

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115369.D
 Acq On : 2 Jul 2019 19:35
 Operator : HP/JU
 Sample : K3158-10MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:51:51 PM

Quant Time: Jul 03 06:55:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	231652	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	886989	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	429502	20.00	ng	0.02
64) Phenanthrene-d10	11.12	188	824769	20.00	ng	0.02
76) Chrysene-d12	13.74	240	439185	20.00	ng	0.02
87) Perylene-d12	15.11	264	513552	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1480605	98.63	ng	0.04
7) Phenol-d6	6.26	99	1709189	93.81	ng	0.02
23) Nitrobenzene-d5	7.18	82	1307124	90.65	ng	0.01
42) 2,4,6-Tribromophenol	10.43	330	592404	130.80	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	2440907	96.53	ng	0.01
79) Terphenyl-d14	12.71	244	2339746	113.27	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	214979	30.344	ng	# 84
3) Pyridine	3.00	79	486863	24.382	ng	96
4) n-Nitrosodimethylamine	2.92	42	241336	30.830	ng	97
6) Aniline	6.27	93	214420	8.563	ng	# 1
8) 2-Chlorophenol	6.40	128	633732	37.544	ng	99
9) Benzaldehyde	6.15	77	316540	26.629	ng	98
10) Phenol	6.27	94	614348	28.785	ng	94
11) bis(2-Chloroethyl)ether	6.35	93	588306	37.394	ng	99
12) 1,3-Dichlorobenzene	6.55	146	713569	38.091	ng	99
13) 1,4-Dichlorobenzene	6.62	146	727013	38.701	ng	99
14) 1,2-Dichlorobenzene	6.78	146	664458	38.195	ng	99
15) Benzyl Alcohol	6.76	79	432867	32.626	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.90	45	810125	35.504	ng	85
17) 2-Methylphenol	6.88	107	563591	40.451	ng	95
18) Hexachloroethane	7.12	117	252954	37.351	ng	99
19) n-Nitroso-di-n-propylamine	7.04	70	424061	36.354	ng	99
20) 3+4-Methylphenols	7.03	107	622978	38.723	ng	# 80
22) Acetophenone	7.02	105	903147	44.477	ng	# 92
24) Nitrobenzene	7.19	77	665427	41.890	ng	98
25) Isophorone	7.44	82	1192603	40.375	ng	99
26) 2-Nitrophenol	7.51	139	365809	46.631	ng	96
27) 2,4-Dimethylphenol	7.56	122	575870	44.835	ng	98
28) bis(2-Chloroethoxy)methane	7.65	93	773350	41.424	ng	99
29) 2,4-Dichlorophenol	7.75	162	568203	42.867	ng	97
30) 1,2,4-Trichlorobenzene	7.84	180	629243	42.977	ng	99
31) Naphthalene	7.91	128	1890604	43.422	ng	99
32) Benzoic acid	7.66	122	117544	12.821	ng	96
33) 4-Chloroaniline	7.96	127	69503	3.493	ng	99
34) Hexachlorobutadiene	8.04	225	342585	42.698	ng	98
35) Caprolactam	8.34	113	134524m	30.186	ng	
36) 4-Chloro-3-methylphenol	8.46	107	574601	42.805	ng	100
37) 2-Methylnaphthalene	8.61	142	1285845	43.800	ng	98
38) 1-Methylnaphthalene	8.70	142	1214460	43.315	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	571832	47.115	ng	99

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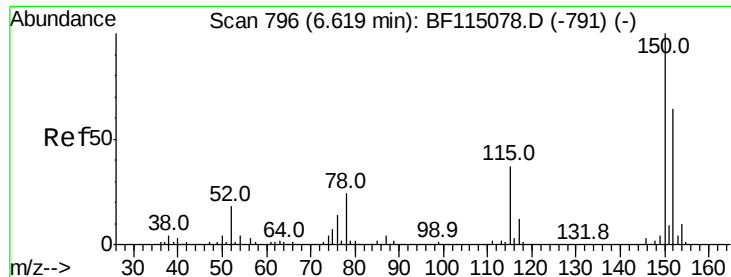
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.77	237	445128	61.851	nq	100
43) 2,4,6-Trichlorophenol	8.89	196	403101	43.020	nq	98
44) 2,4,5-Trichlorophenol	8.93	196	458265	47.491	nq	97
46) 1,1'-Biphenyl	9.07	154	1496788	43.554	nq	98
47) 2-Chloronaphthalene	9.09	162	1201595	43.104	nq	97
48) 2-Nitroaniline	9.19	65	355233	43.710	nq	88
49) Acenaphthylene	9.50	152	1873092	43.127	nq	100
50) Dimethylphthalate	9.38	163	1460632	46.223	nq	100
51) 2,6-Dinitrotoluene	9.44	165	336841	46.172	nq #	83
52) Acenaphthene	9.68	154	1074888	39.550	nq	99
53) 3-Nitroaniline	9.60	138	132980	14.937	nq	94
54) 2,4-Dinitrophenol	9.70	184	65275	23.136	nq	94
55) Dibenzofuran	9.85	168	1616455	41.440	nq	100
56) 4-Nitrophenol	9.77	139	473391	66.326	nq	95
57) 2,4-Dinitrotoluene	9.84	165	425076	45.126	nq	95
58) Fluorene	10.19	166	1138464	43.637	nq	97
59) 2,3,4,6-Tetrachlorophenol	9.97	232	360542	44.559	nq	98
60) Diethylphthalate	10.08	149	1341920	42.247	nq	100
61) 4-Chlorophenyl-phenylether	10.18	204	560511	45.490	nq	96
62) 4-Nitroaniline	10.21	138	357490	40.027	nq	98
63) Azobenzene	10.34	77	1229373	41.437	nq	98
65) 4,6-Dinitro-2-methylphenol	10.24	198	80456	21.399	nq	95
66) n-Nitrosodiphenylamine	10.31	169	1137432	44.266	nq	99
67) 4-Bromophenyl-phenylether	10.67	248	397082	44.406	nq	97
68) Hexachlorobenzene	10.74	284	438751	45.203	nq	96
69) Atrazine	10.84	200	370504	44.824	nq	99
70) Pentachlorophenol	10.93	266	365468	59.103	nq	98
71) Phenanthrene	11.14	178	1840396	41.444	nq	100
72) Anthracene	11.19	178	1898408	42.351	nq	99
73) Carbazole	11.35	167	1698850	42.442	nq	100
74) Di-n-butylphthalate	11.69	149	2064082	44.625	nq	99
75) Fluoranthene	12.32	202	1774494	40.050	nq	99
77) Benzidine	12.45	184	310892	15.942	nq	99
78) Pyrene	12.55	202	1783771	52.850	nq	100
80) Butylbenzylphthalate	13.18	149	785191	52.715	nq	97
81) Benzo(a)anthracene	13.74	228	1411265	44.784	nq	99
82) 3,3'-Dichlorobenzidine	13.70	252	205060	18.020	nq	98
83) Chrysene	13.77	228	1327017	45.971	nq	99
84) Bis(2-ethylhexyl)phthalate	13.75	149	1039209	53.246	nq #	100
85) Di-n-octyl phthalate	14.36	149	1607174	49.011	nq	99
86) Indeno(1,2,3-cd)pyrene	16.40	276	1273580	37.285	nq	99
88) Benzo(b)fluoranthene	14.74	252	1487934	46.434	nq	99
89) Benzo(k)fluoranthene	14.77	252	1260202	43.853	nq	98
90) Benzo(a)pyrene	15.07	252	1326278	45.921	nq #	96
91) Dibenzo(a,h)anthracene	16.41	278	1063775	39.453	nq	98
92) Benzo(g,h,i)perylene	16.78	276	990778	36.306	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

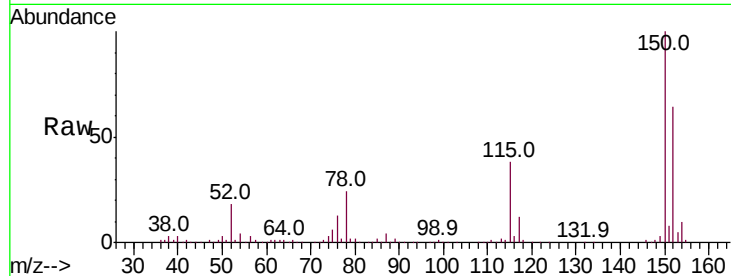
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	59.6	46.1	69.1

Manual Integrations
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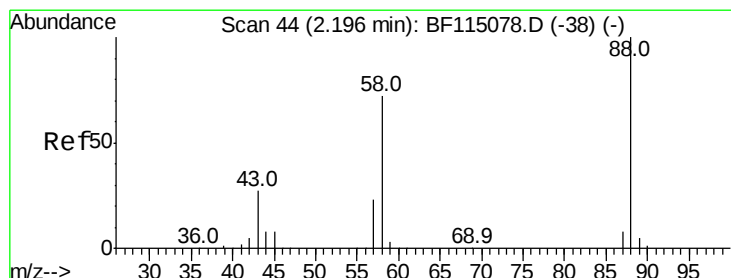
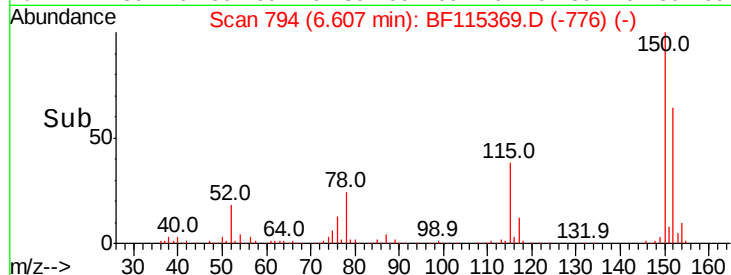
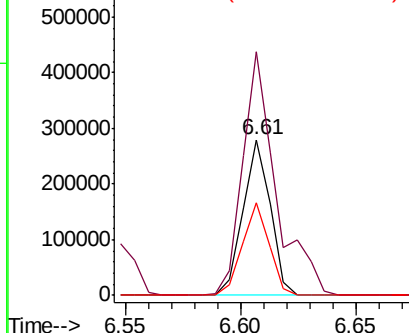


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

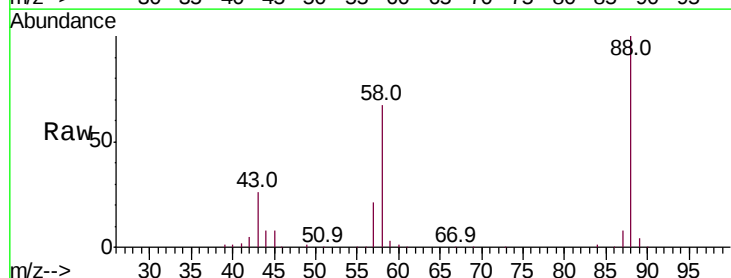
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 30.344 ng
RT: 2.38 min Scan# 76
Delta R.T. 0.23 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.8	56.1	84.1
43	0.0	21.3	31.9#

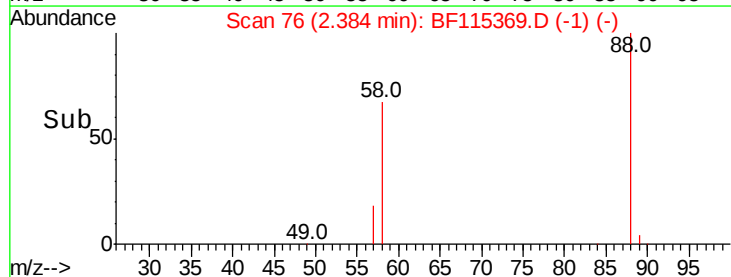
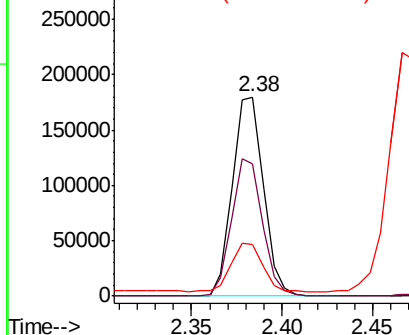


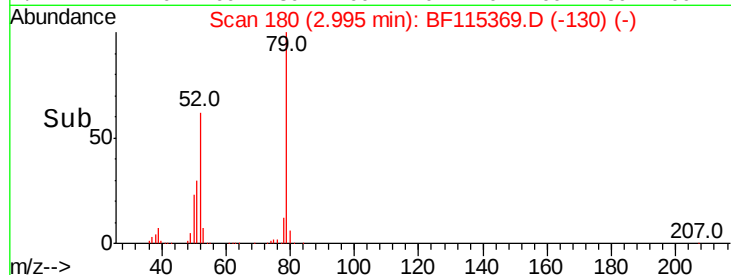
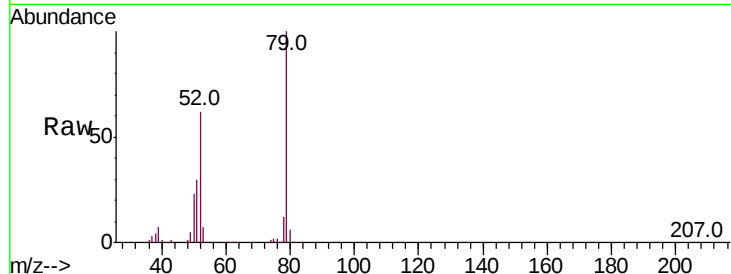
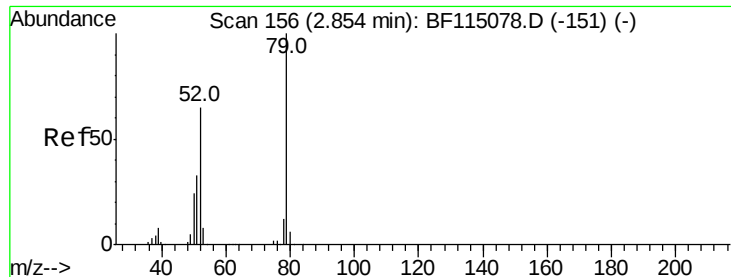
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 24.382 ng

RT: 3.00 min Scan# 180

Delta R.T. 0.19 min

Lab File: BF115369.D

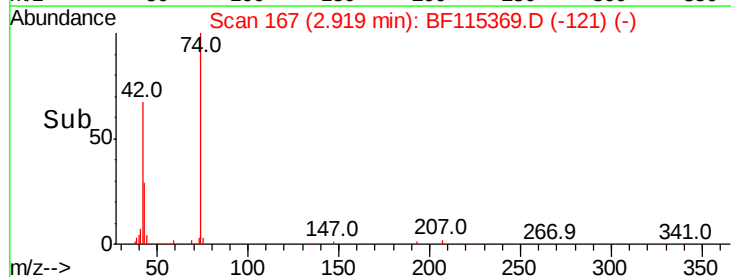
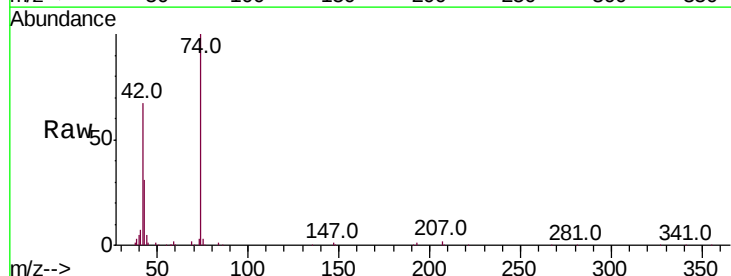
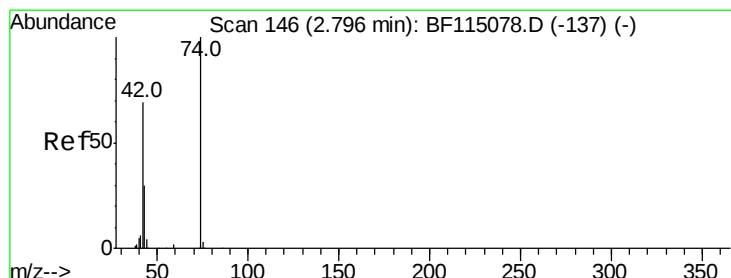
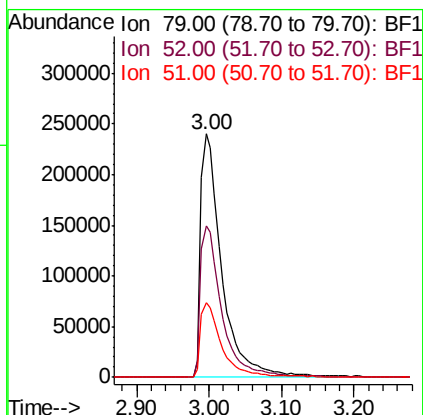
Acq: 2 Jul 2019 19:35

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.5	52.3	78.5
51	30.4	26.1	39.1

Instrument :
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#4

n-Nitrosodimethylamine

Concen: 30.830 ng

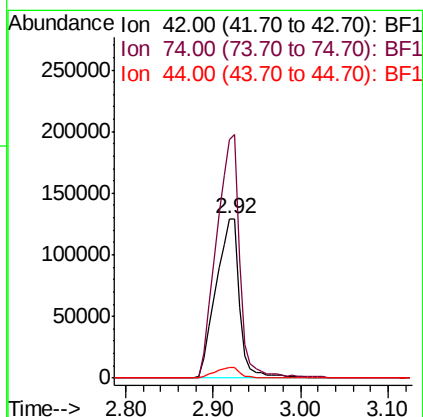
RT: 2.92 min Scan# 167

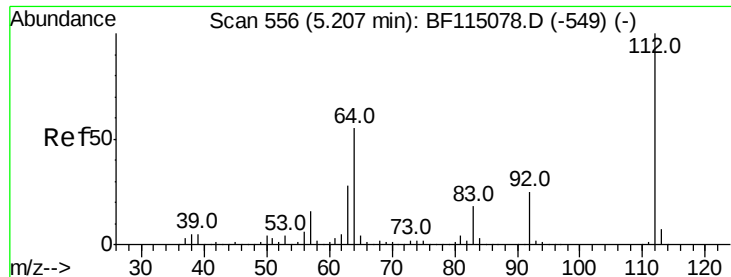
Delta R.T. 0.17 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
42	100		
74	149.1	116.6	175.0
44	6.8	5.3	7.9





#5

2-Fluorophenol

Concen: 98.632 ng

RT: 5.22 min Scan# 559

Delta R.T. 0.04 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion: 112 Resp: 1480605

Ion Ratio Lower Upper

112 100

64 55.6 43.8 65.6

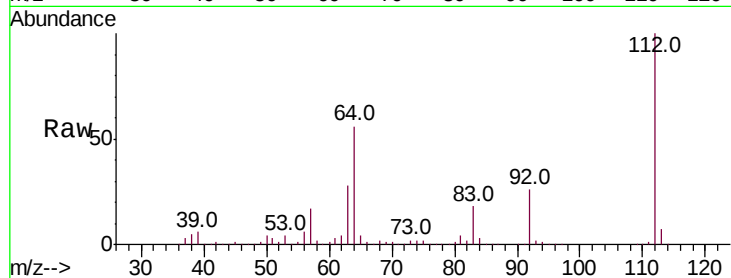
63 28.2 22.2 33.4

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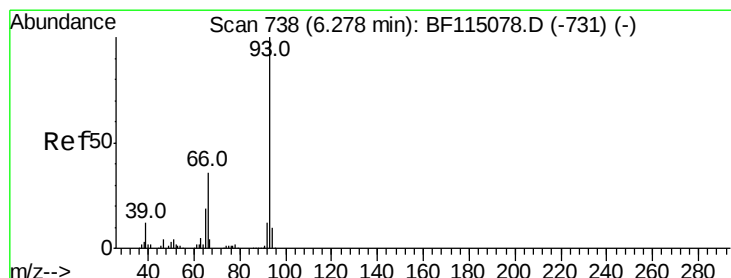
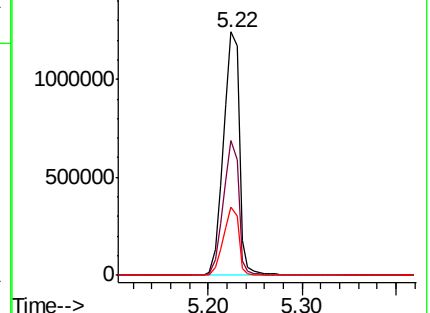
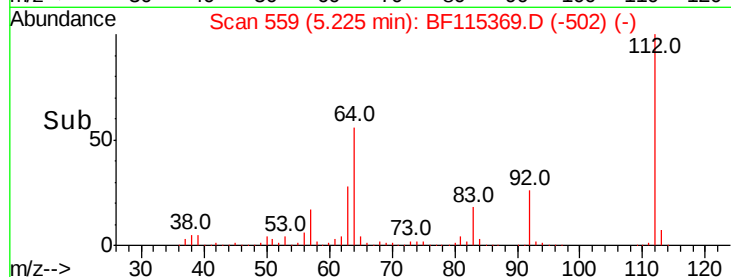
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.563 ng

RT: 6.27 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

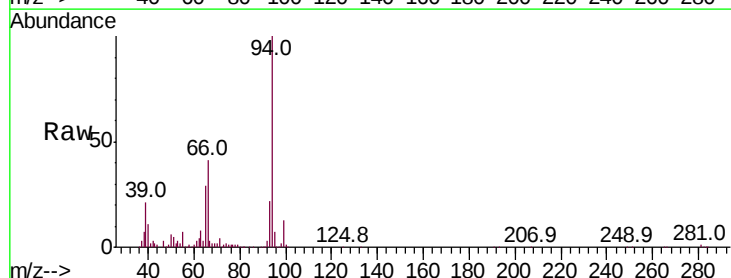
Tgt Ion: 93 Resp: 214420

Ion Ratio Lower Upper

93 100

66 184.5 30.0 45.0#

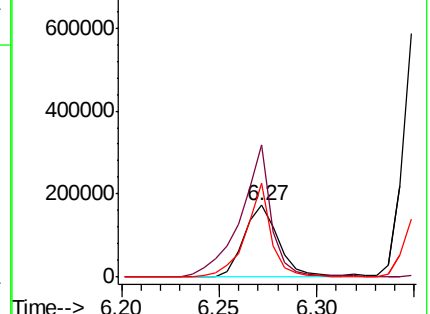
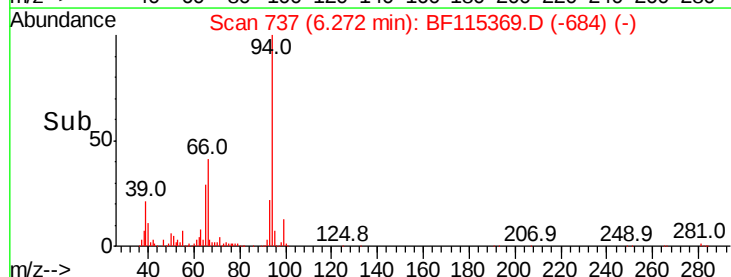
65 131.0 15.6 23.4#

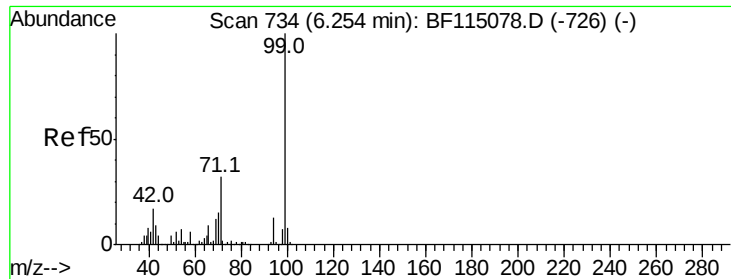


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 93.807 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion: 99 Resp: 1709189

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

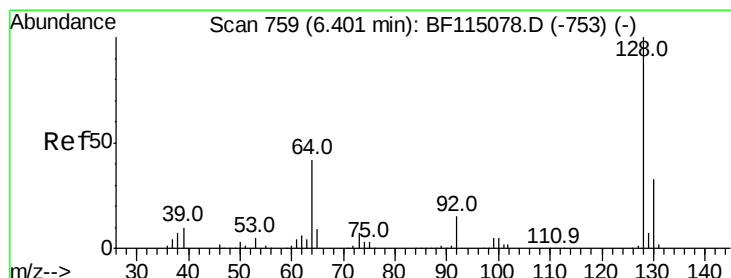
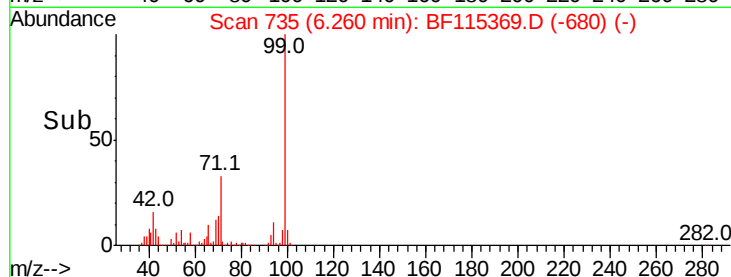
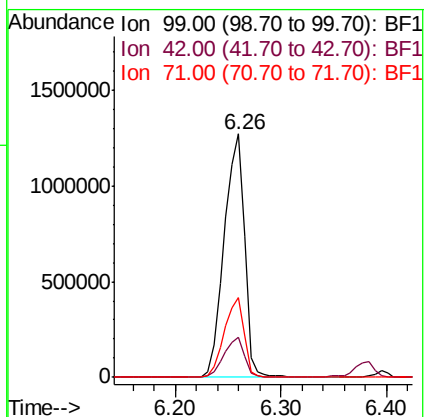
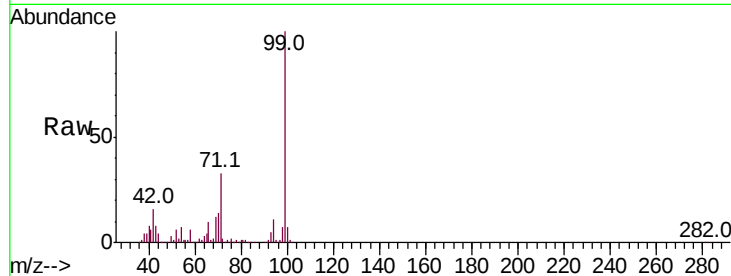
71 32.5 25.5 38.3

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#8

2-Chlorophenol

Concen: 37.544 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

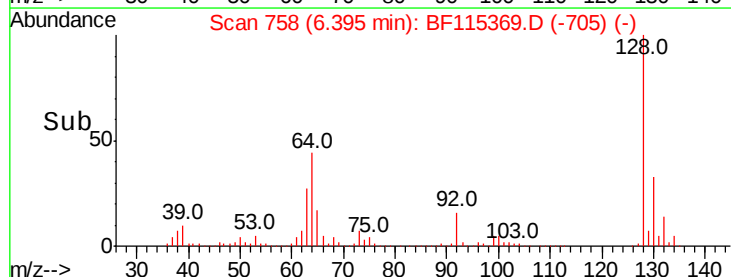
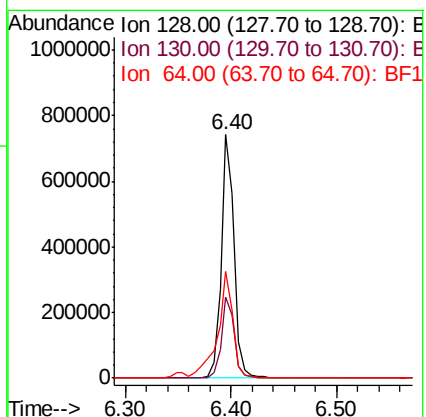
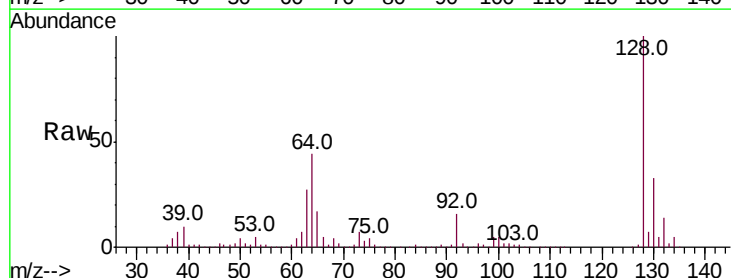
Tgt Ion: 128 Resp: 633732

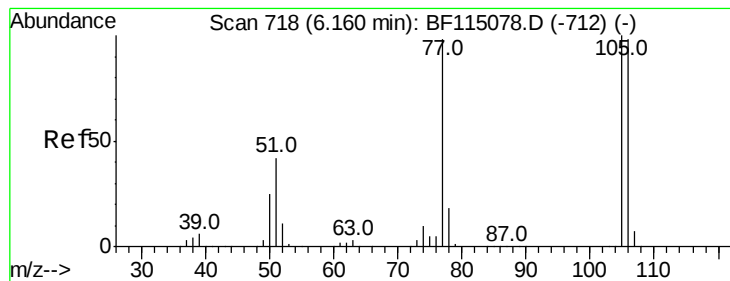
Ion Ratio Lower Upper

128 100

130 33.4 12.9 52.9

64 43.8 22.9 62.9





#9

Benzaldehyde

Concen: 26.629 ng

RT: 6.15 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion: 77 Resp: 316540

Ion Ratio Lower Upper

77 100

105 100.1 81.5 121.5

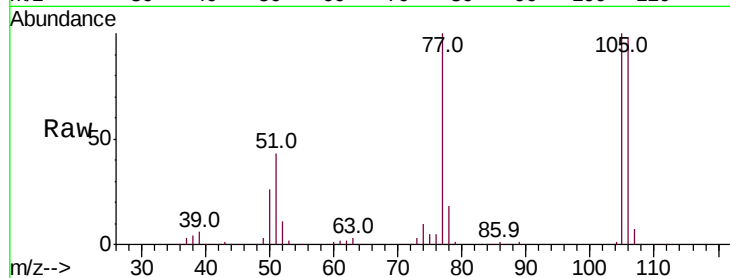
106 97.6 79.7 119.7

Manual Integrations

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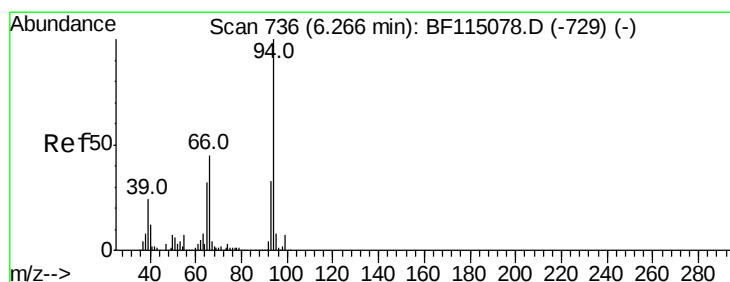
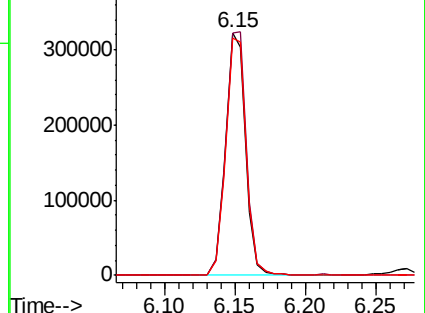
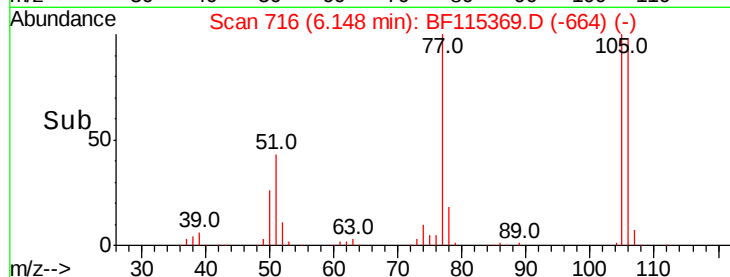
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 28.785 ng

RT: 6.27 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

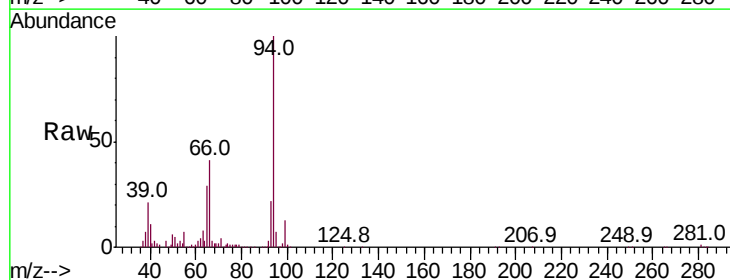
Tgt Ion: 94 Resp: 614348

Ion Ratio Lower Upper

94 100

65 29.2 11.9 51.9

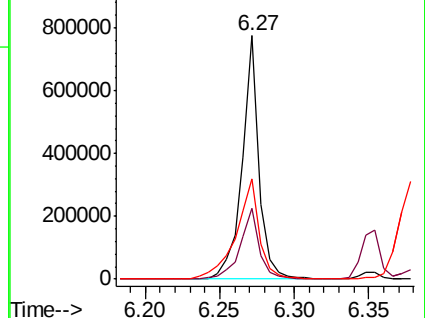
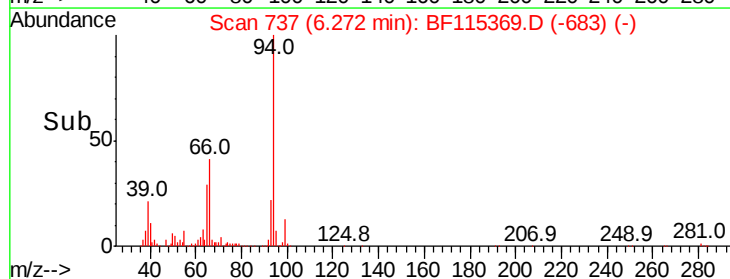
66 41.1 25.2 65.2

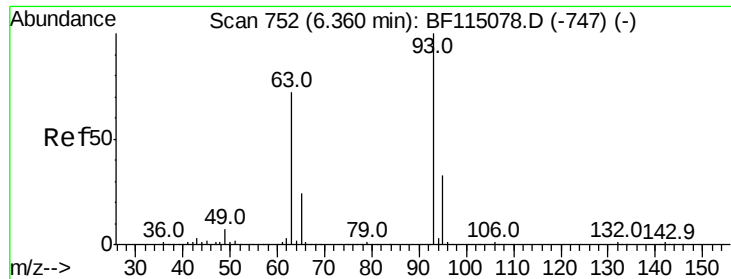


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





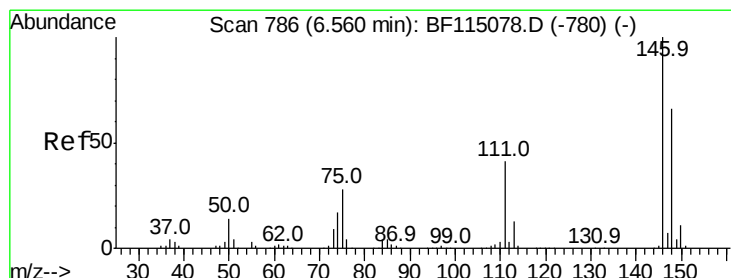
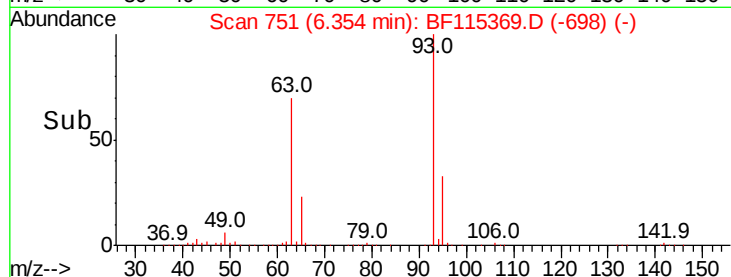
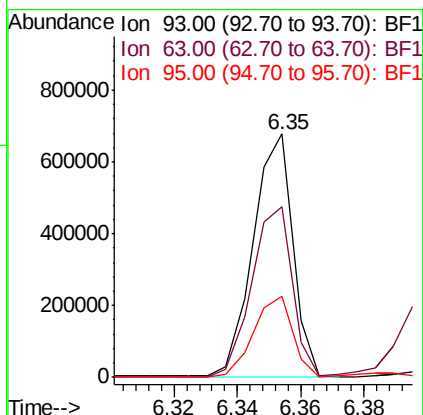
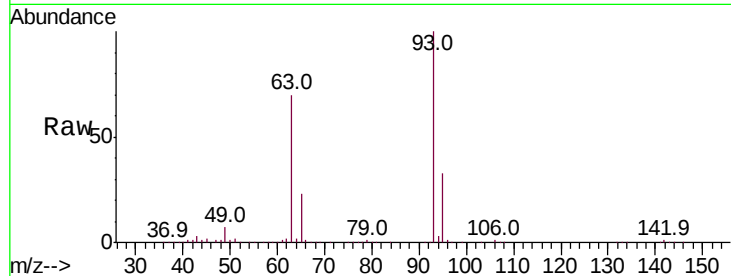
#11
bis(2-Chloroethyl)ether
Concen: 37.394 ng
RT: 6.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	588306		
63	70.0		51.5	91.5
95	33.4		13.4	53.4

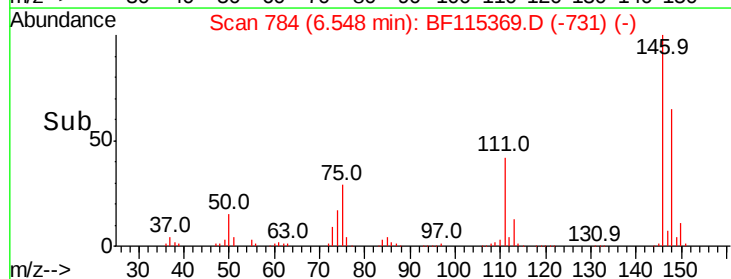
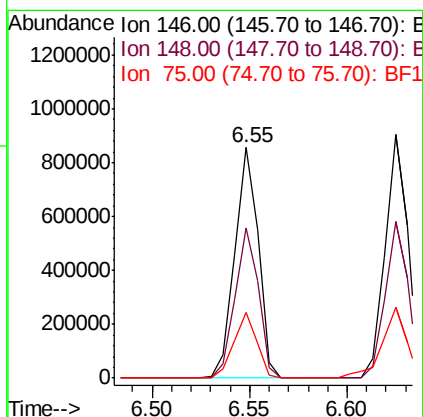
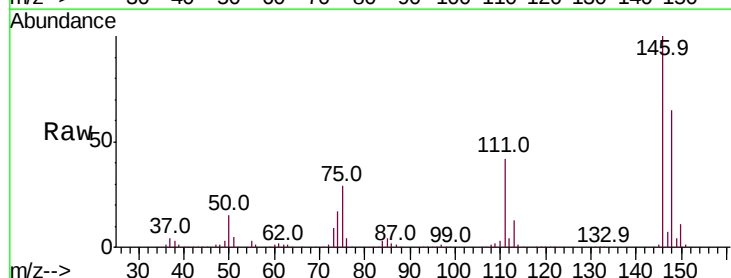
Manual Integrations
APPROVED

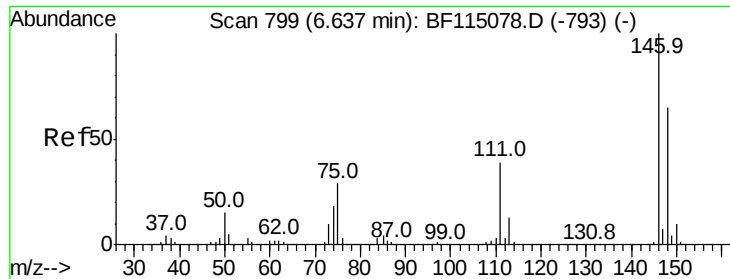
mohammad
7/3/2019 10:51:51 PM



#12
1,3-Dichlorobenzene
Concen: 38.091 ng
RT: 6.55 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	713569		
148	65.0		52.6	78.8
75	28.8		22.6	34.0





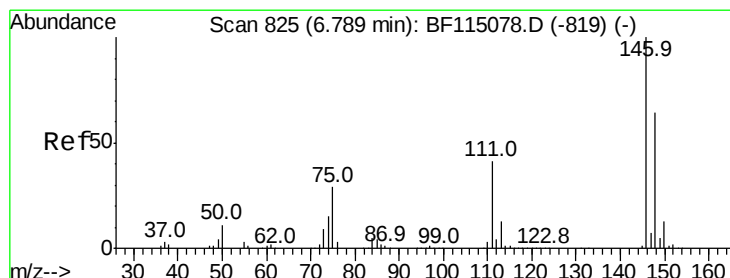
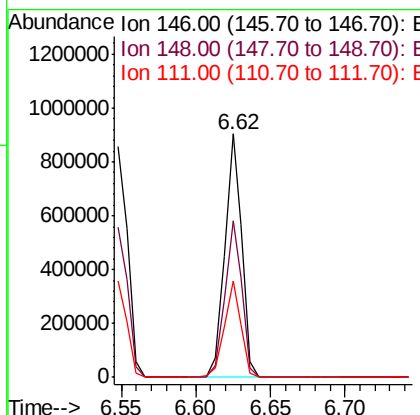
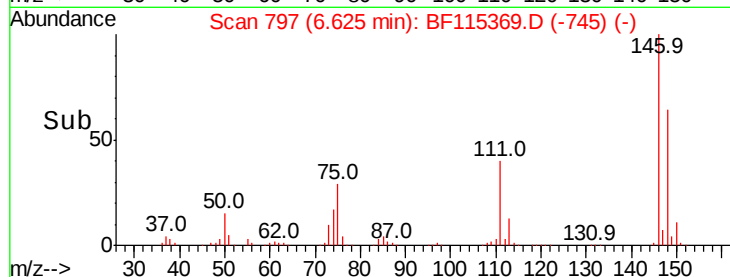
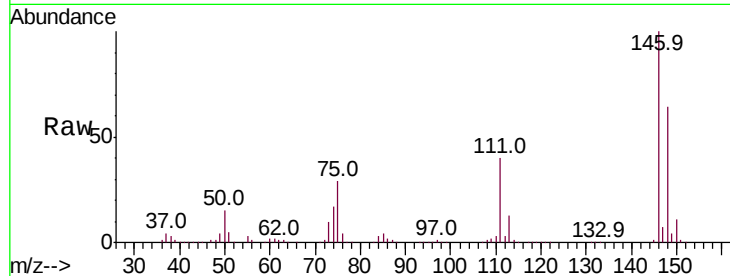
#13
 1,4-Dichlorobenzene
 Concen: 38.701 ng
 RT: 6.62 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
111	39.7	31.4	47.0

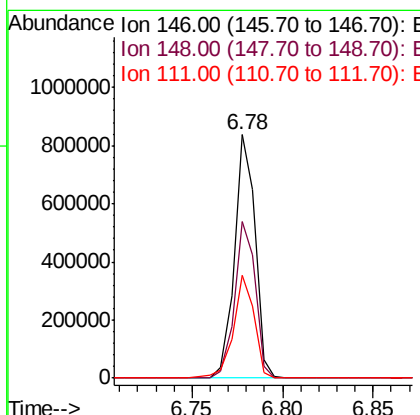
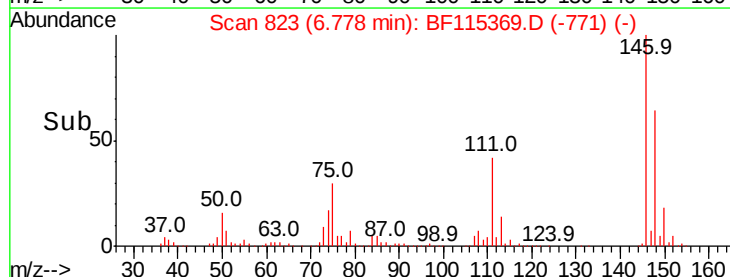
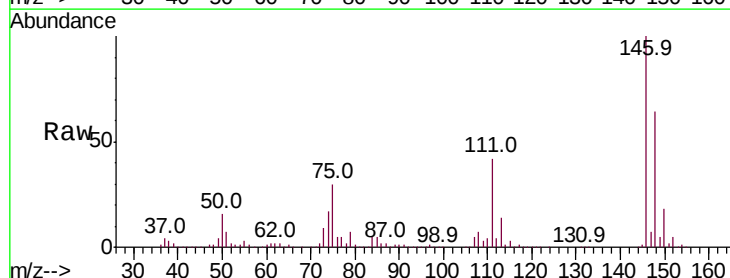
Manual Integrations
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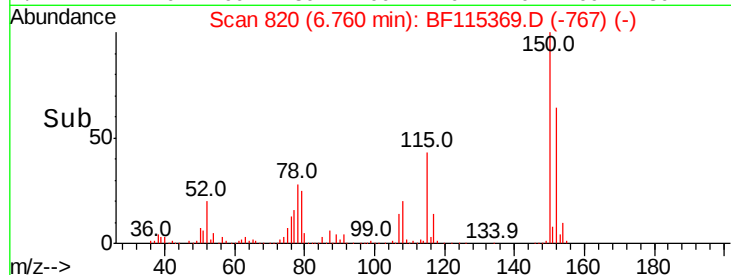
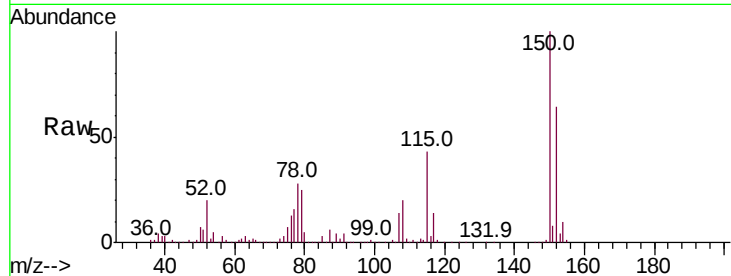
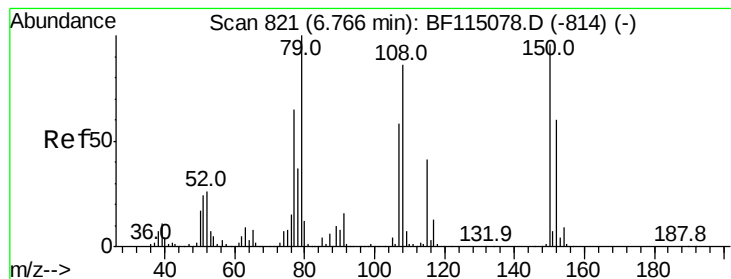
mohammad
 7/3/2019 10:51:51 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.195 ng
 RT: 6.78 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	42.4	33.2	49.8





#15

Benzyl Alcohol

Concen: 32.626 ng

RT: 6.76 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tot Ion:	79	Resp:	432867
Ion Ratio	Lower	Upper	
79	100		
108	80.9	68.7	103.1
77	64.7	51.7	77.5

Instrument :

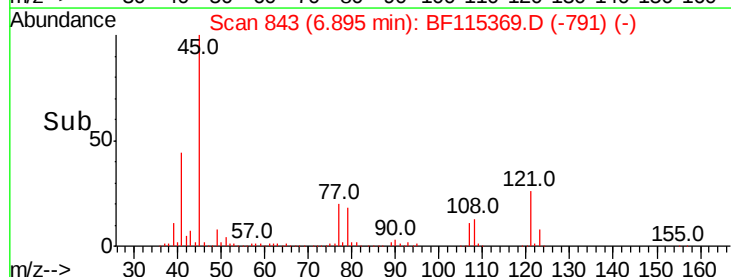
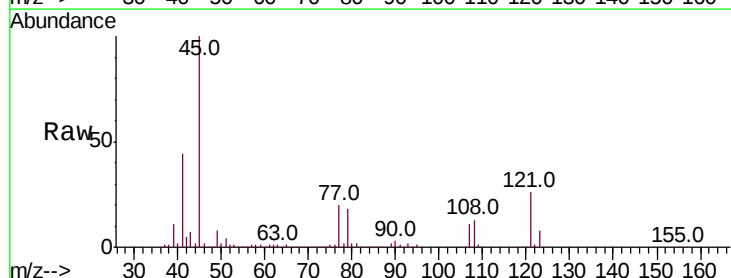
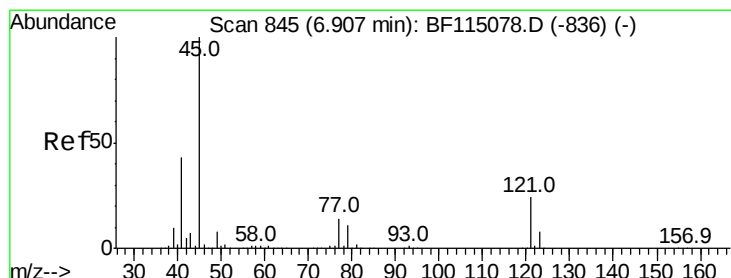
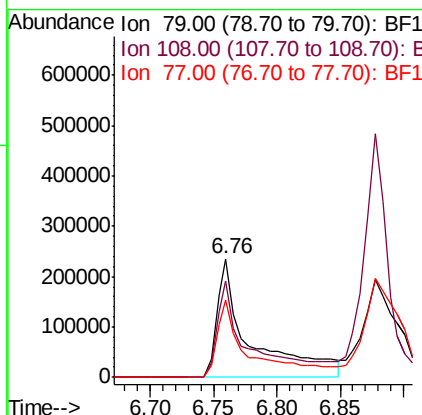
BNA_F

ClientSampleId :

OK-01-062819MSD

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.504 ng

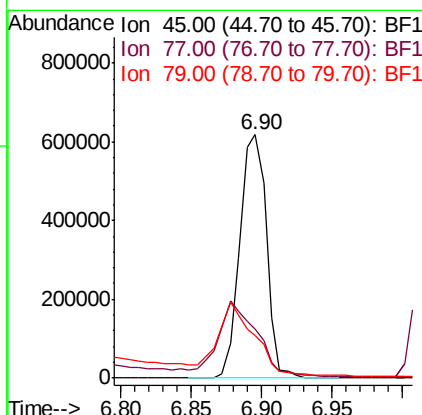
RT: 6.90 min Scan# 843

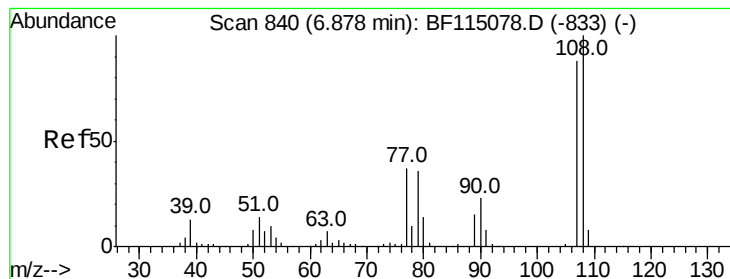
Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tgt Ion:	45	Resp:	810125
Ion Ratio	Lower	Upper	
45	100		
77	20.3	0.0	34.6
79	17.6	0.0	31.2





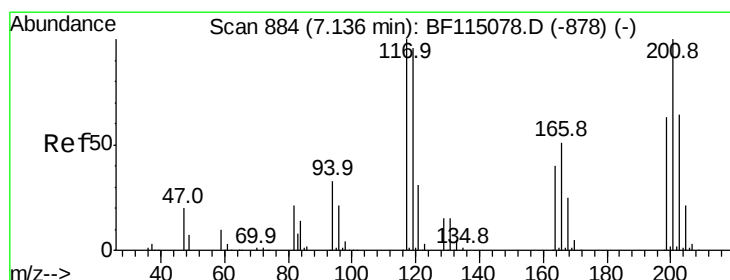
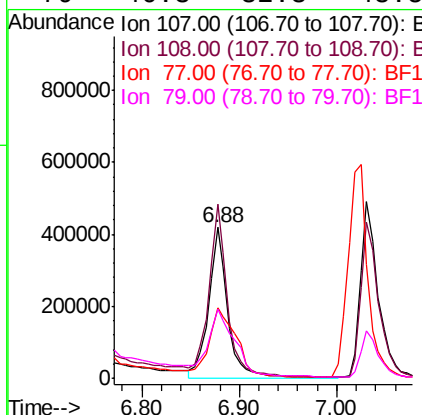
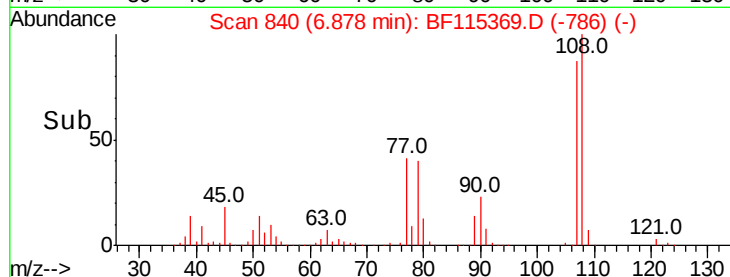
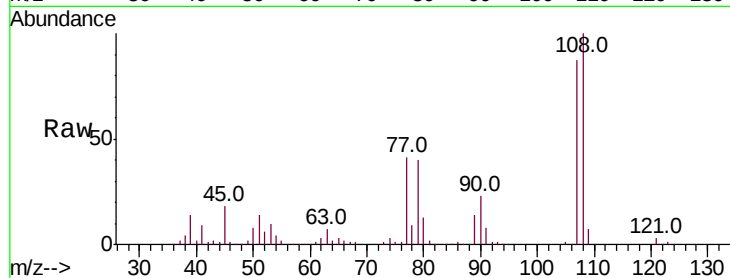
#17
2-Methylphenol
Concen: 40.451 ng
RT: 6.88 min Scan# 840
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.5	90.9	136.3
77	47.0	33.4	50.2
79	46.3	32.3	48.5

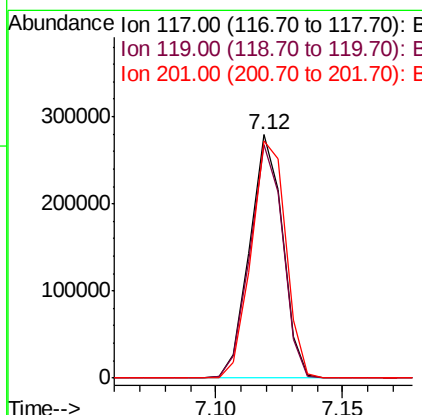
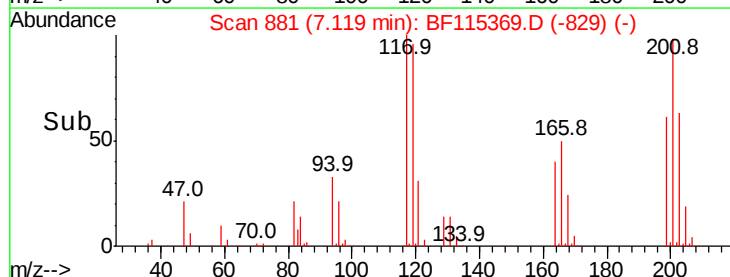
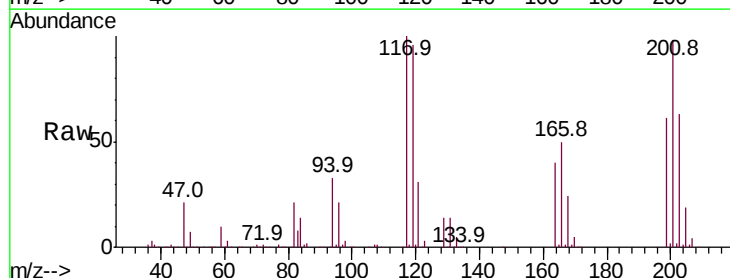
Manual Integrations
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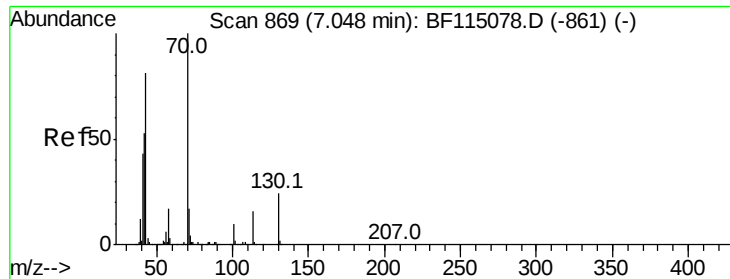
mohammad
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#18
Hexachloroethane
Concen: 37.351 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	97.5	80.2	120.2





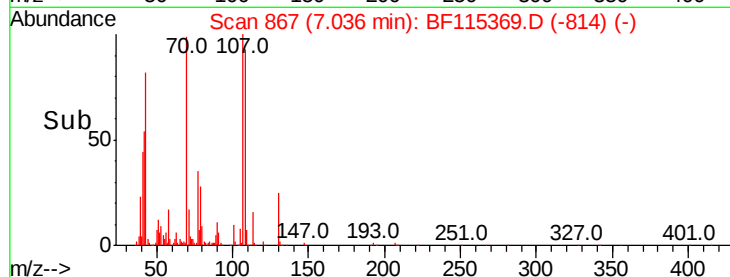
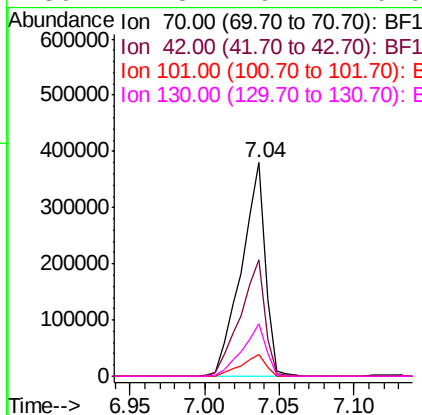
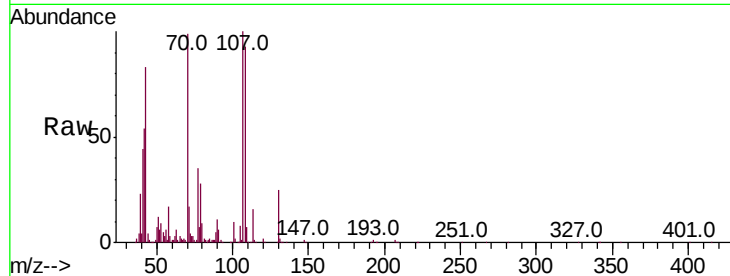
#19
n-Nitroso-di-n-propylamine
Concen: 36.354 ng
RT: 7.04 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.3	42.6	63.8
101	10.2	8.0	12.0
130	24.8	19.4	29.0

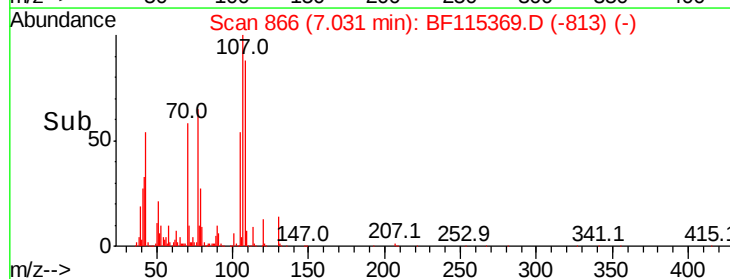
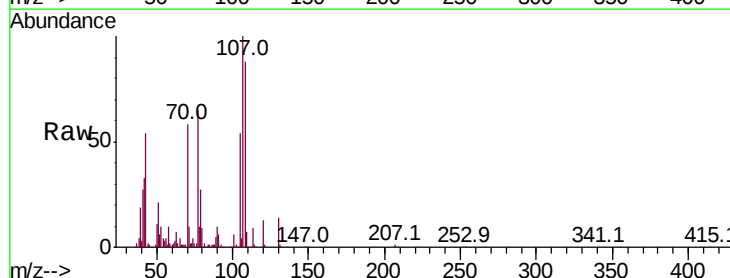
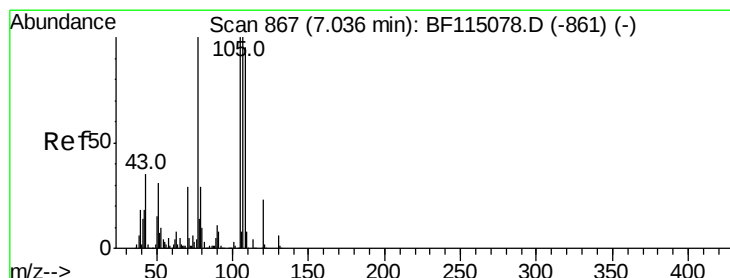
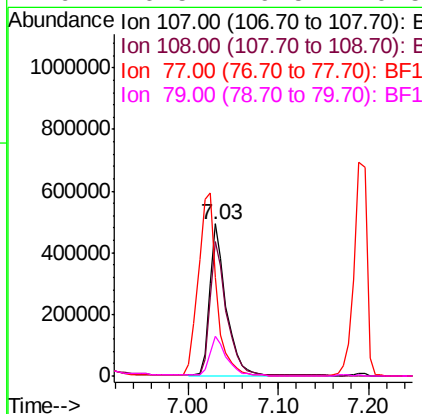
Manual Integrations
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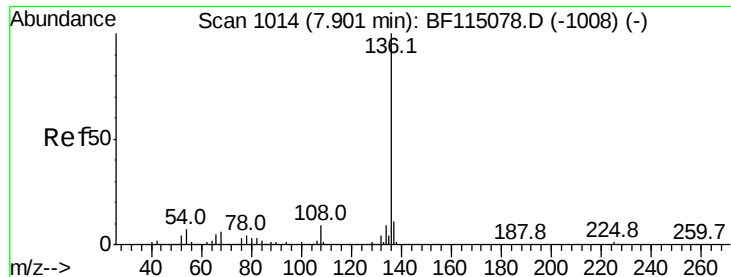
mohammad
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#20
3+4-Methylphenols
Concen: 38.723 ng
RT: 7.03 min Scan# 866
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.4	75.5	115.5
77	64.6	80.2	120.2#
79	26.5	9.5	49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

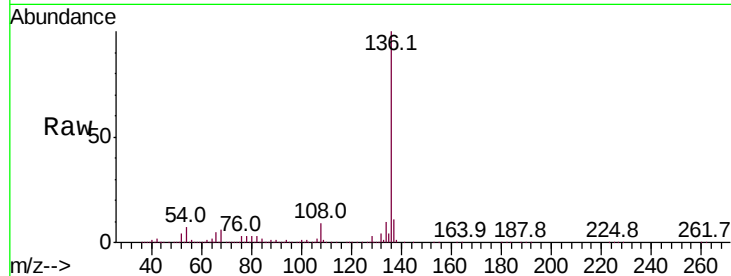
ClientSampleId :

OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	7.1	5.6	8.4	
68	5.9	4.8	7.2	

Manual Integrations
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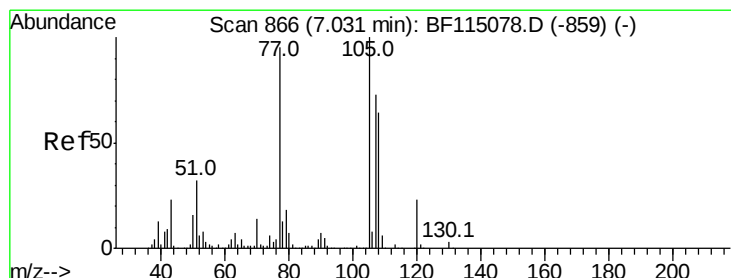
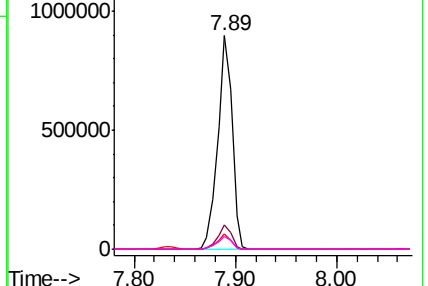
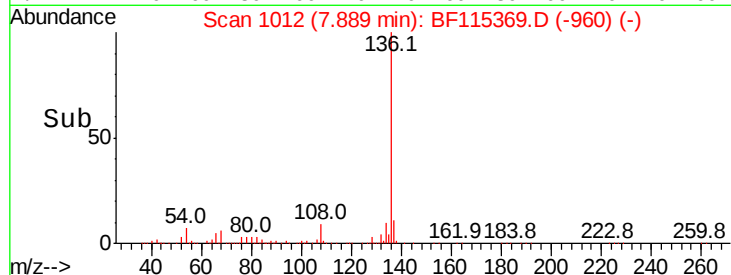
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 44.477 ng

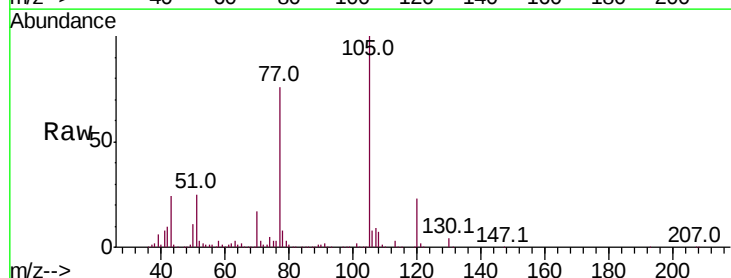
RT: 7.02 min Scan# 864

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.9	1.9	2.9#	
51	24.5	25.8	38.8#	
120	23.3	18.5	27.7	



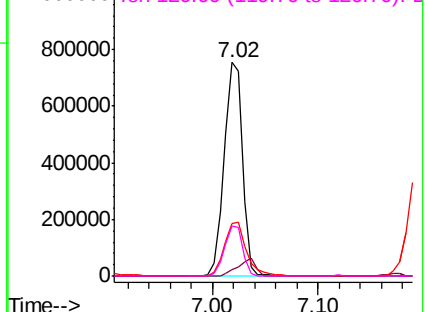
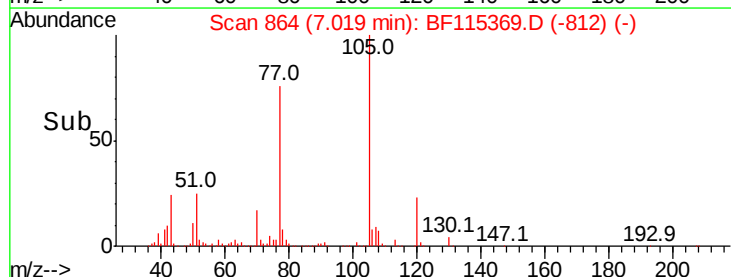
Abundance

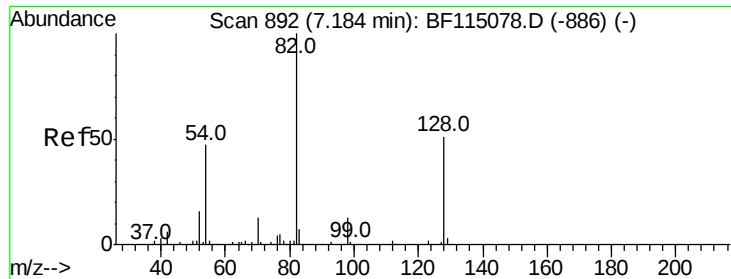
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





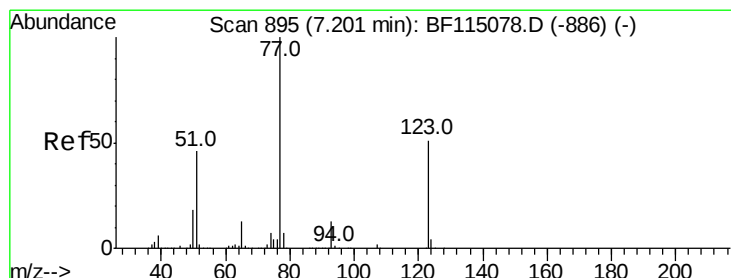
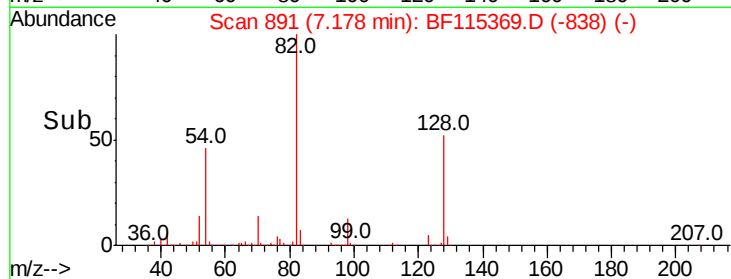
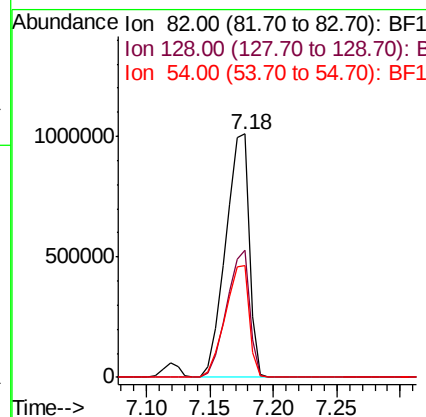
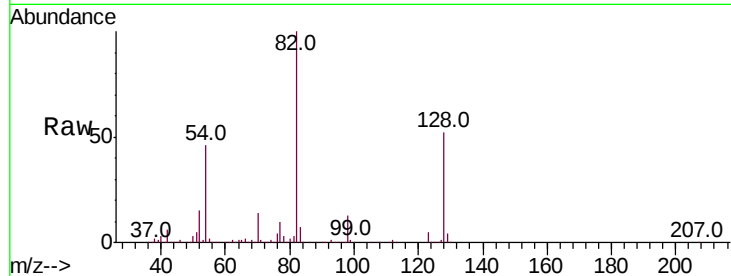
#23
Nitrobenzene-d5
Concen: 90.653 ng
RT: 7.18 min Scan# 891
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion: 82 Resp: 1307124
Ion Ratio Lower Upper
82 100
128 52.4 40.4 60.6
54 46.1 37.5 56.3

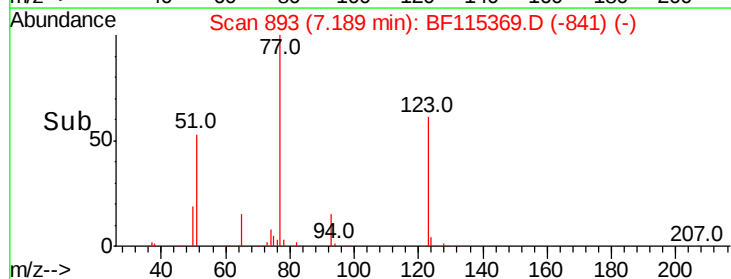
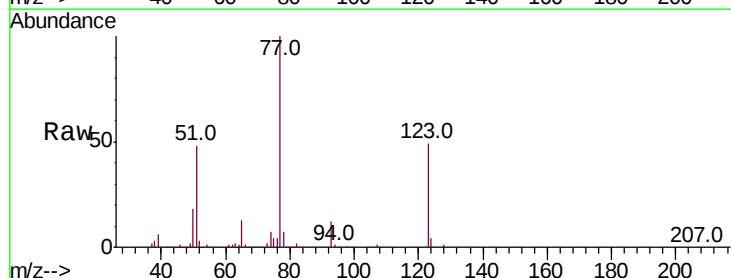
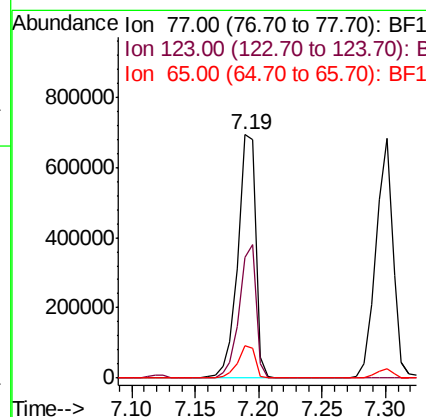
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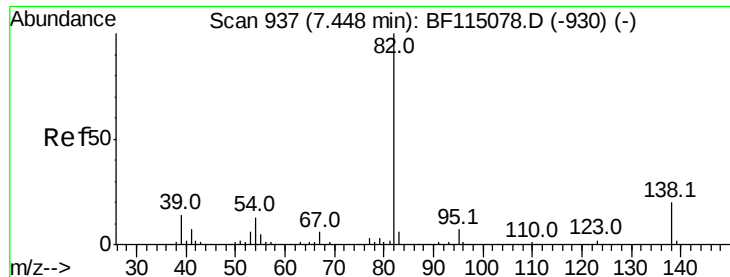
mohammad
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#24
Nitrobenzene
Concen: 41.890 ng
RT: 7.19 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion: 77 Resp: 665427
Ion Ratio Lower Upper
77 100
123 49.4 41.0 61.6
65 13.2 10.5 15.7





#25

Isophorone

Concen: 40.375 ng

RT: 7.44 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion: 82 Resp: 1192603

Ion Ratio Lower Upper

82 100

95 7.1 5.4 8.2

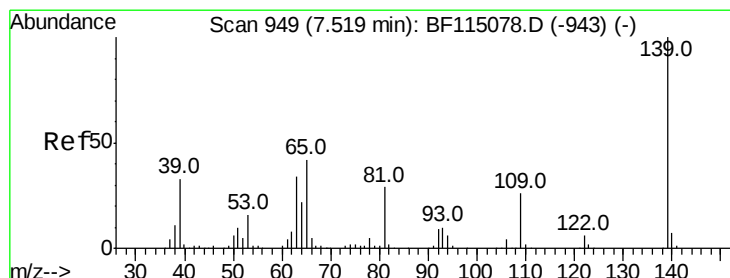
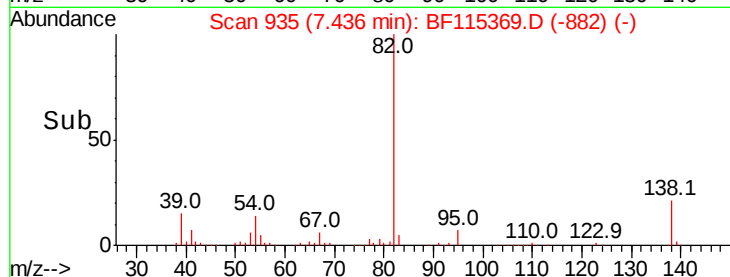
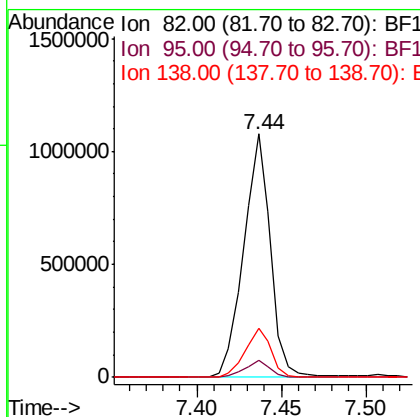
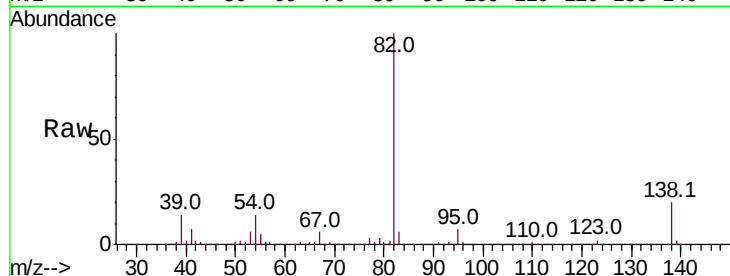
138 20.2 15.9 23.9

Manual Integrations

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#26

2-Nitrophenol

Concen: 46.631 ng

RT: 7.51 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

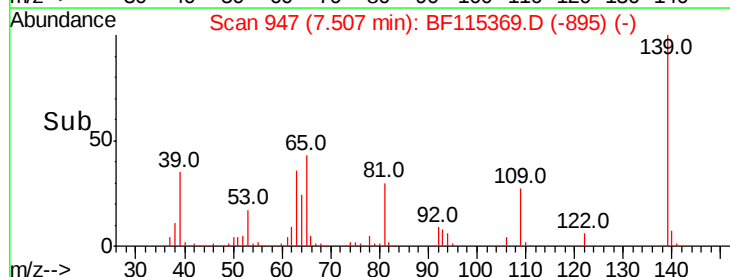
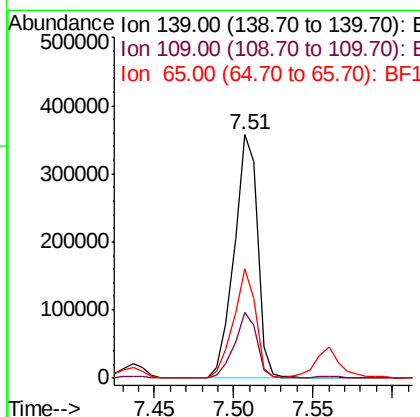
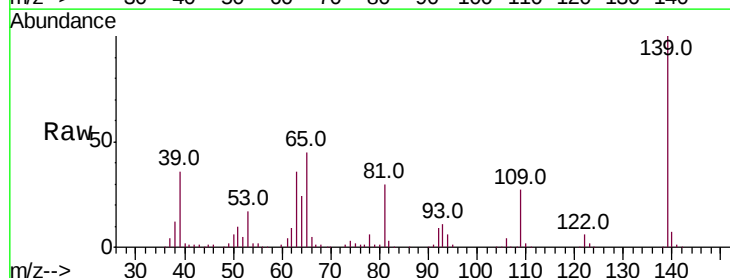
Tgt Ion: 139 Resp: 365809

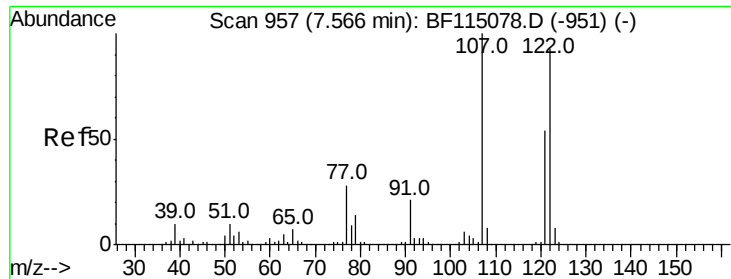
Ion Ratio Lower Upper

139 100

109 26.9 20.4 30.6

65 44.8 33.6 50.4





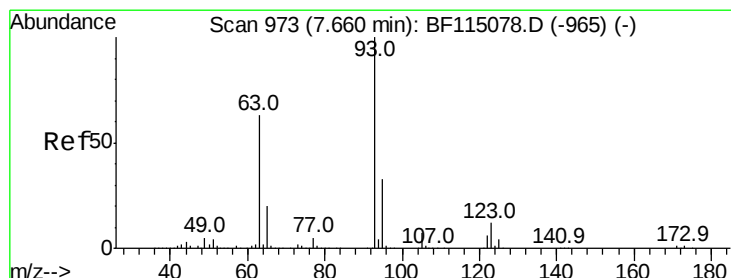
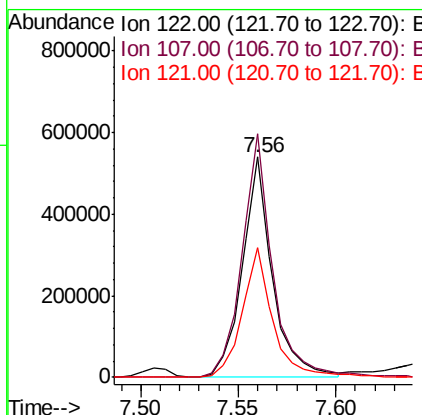
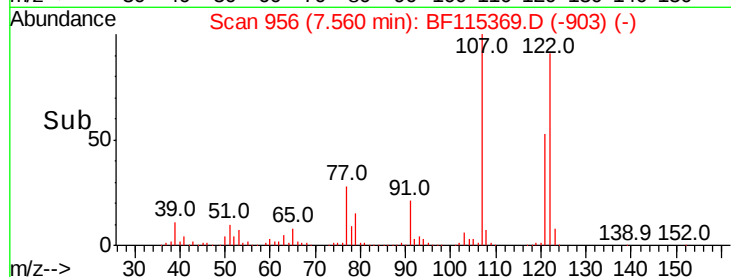
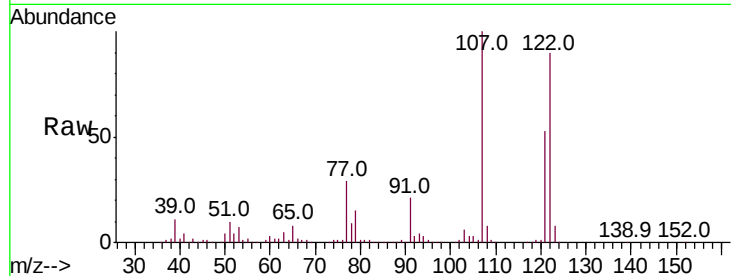
#27
2,4-Dimethylphenol
Concen: 44.835 ng
RT: 7.56 min Scan# 956
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.5	85.8	128.6
121	58.7	46.3	69.5

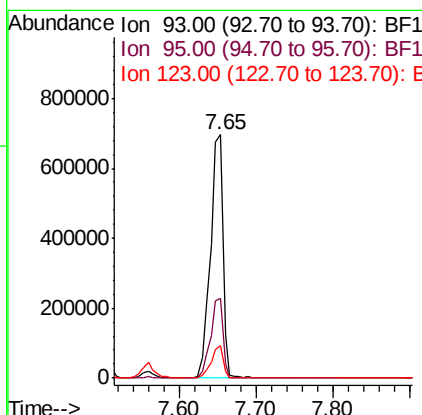
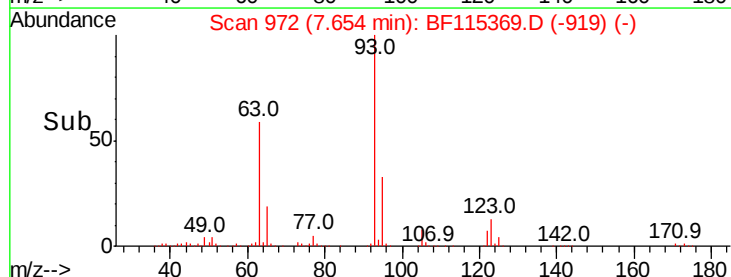
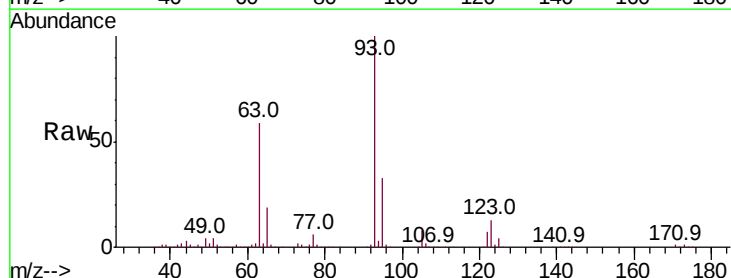
Manual Integrations
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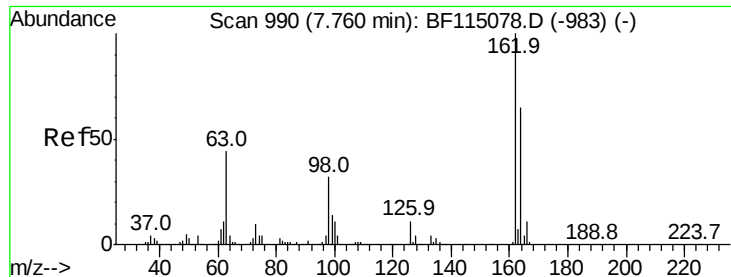
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 41.424 ng
RT: 7.65 min Scan# 972
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	13.1	9.7	14.5





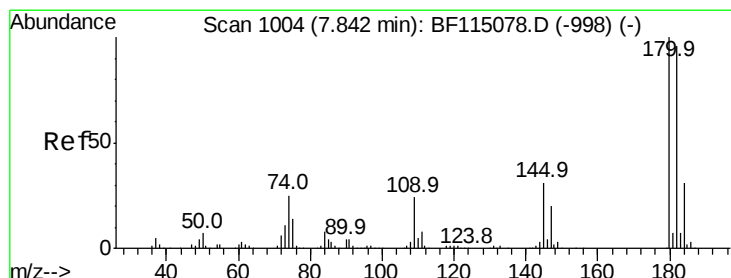
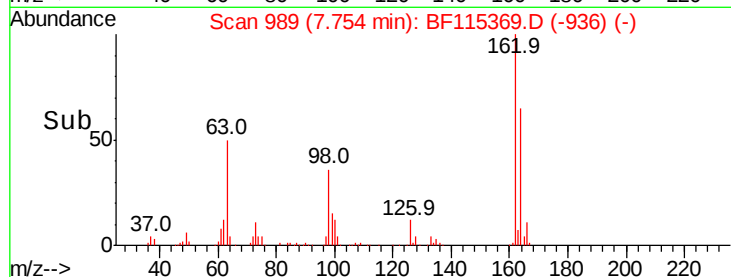
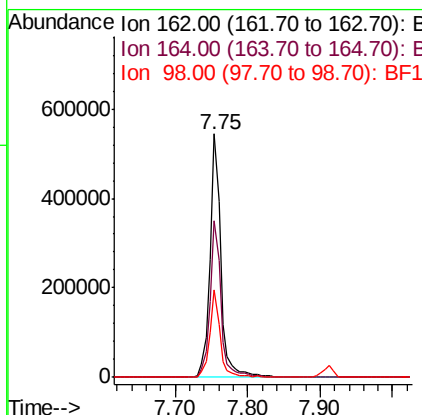
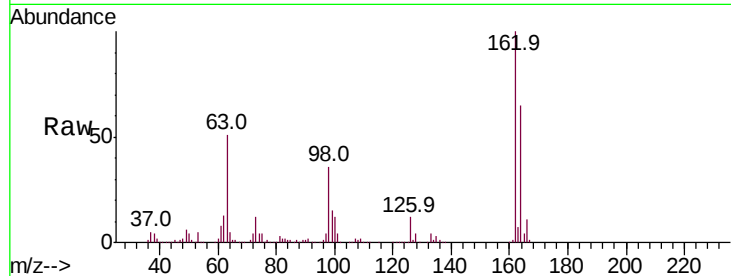
#29
2,4-Dichlorophenol
Concen: 42.867 ng
RT: 7.75 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	568203		
164	64.6	45.3	85.3	
98	35.7	12.5	52.5	

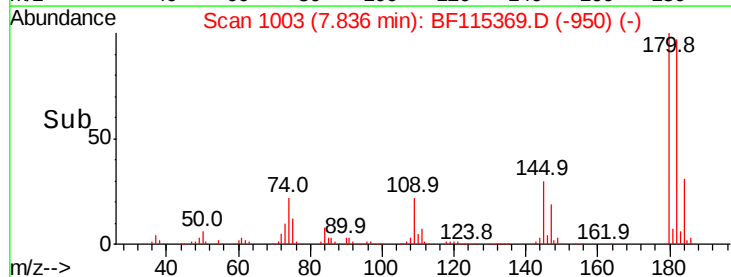
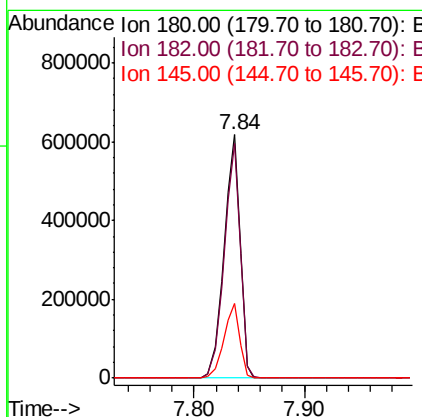
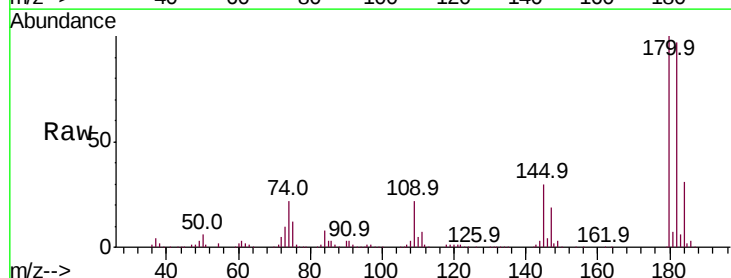
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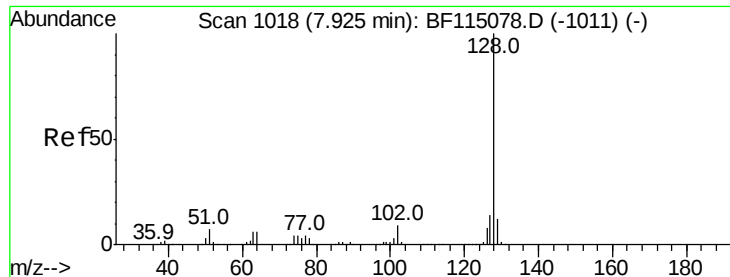
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 42.977 ng
RT: 7.84 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	629243		
182	96.6	76.4	114.6	
145	30.5	24.8	37.2	





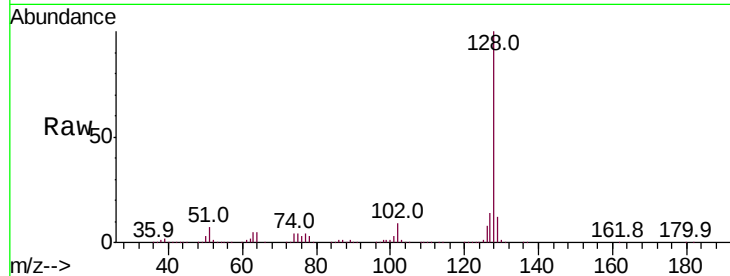
#31
Naphthalene
Concen: 43.422 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

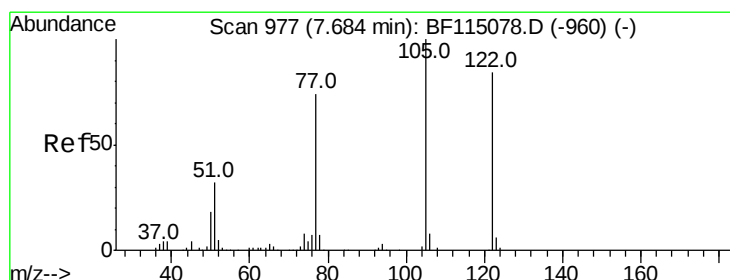
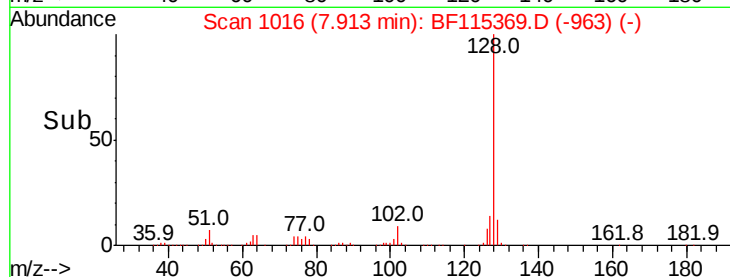
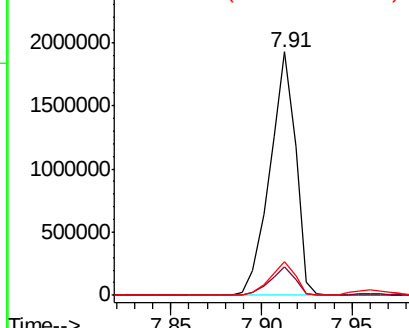
Tot Ion:128 Resp: 1890604
Ion Ratio Lower Upper
128 100
129 11.8 9.6 14.4
127 13.9 11.4 17.0

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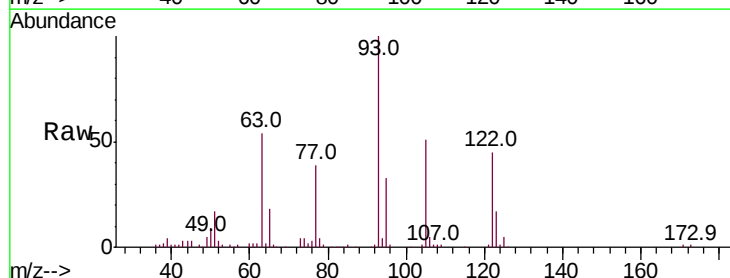


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

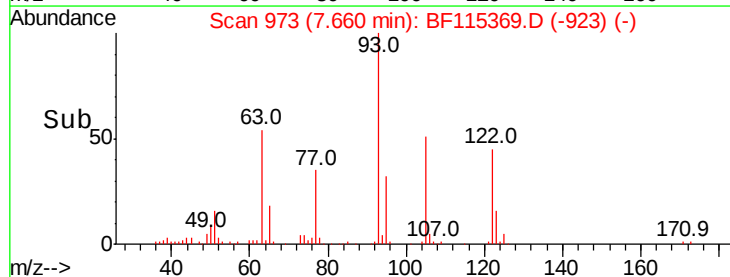
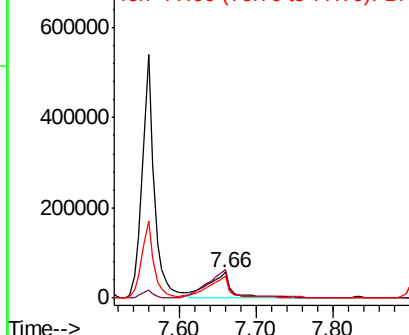


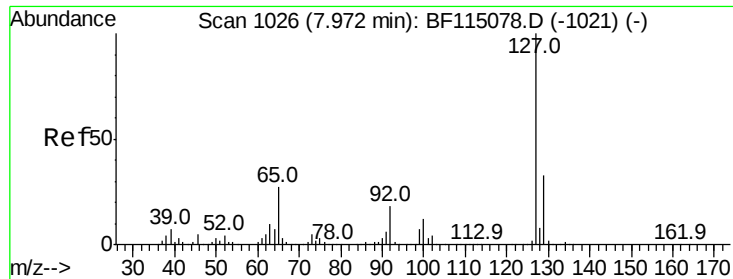
#32
Benzoic acid
Concen: 12.821 ng
RT: 7.66 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion:122 Resp: 117544
Ion Ratio Lower Upper
122 100
105 112.2 98.2 138.2
77 85.0 67.0 107.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





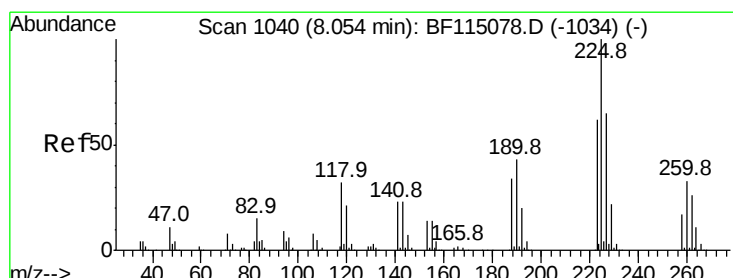
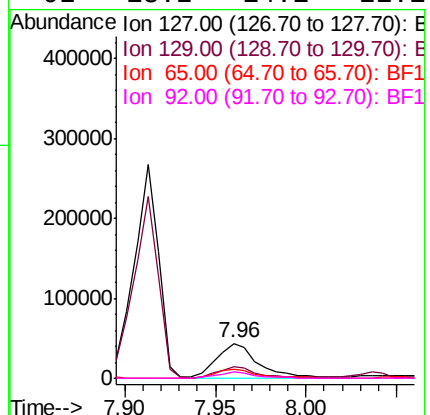
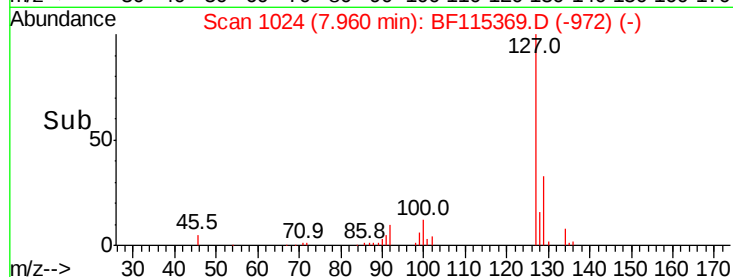
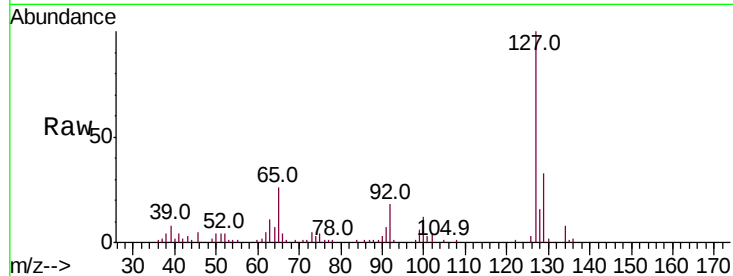
#33
4-Chloroaniline
Concen: 3.493 ng
RT: 7.96 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.1	26.1	39.1		
65	26.1	21.4	32.2		
92	18.2	14.1	21.1		

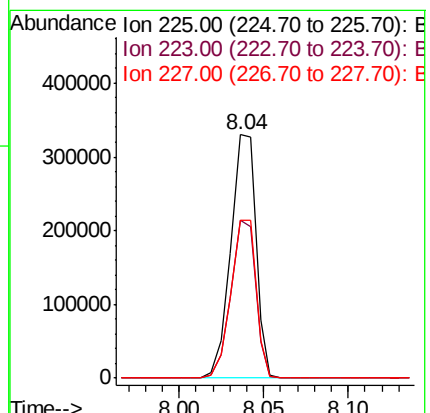
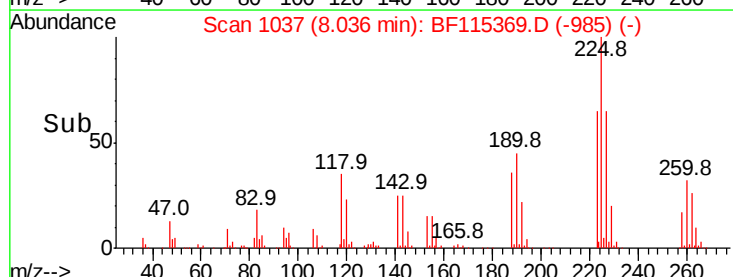
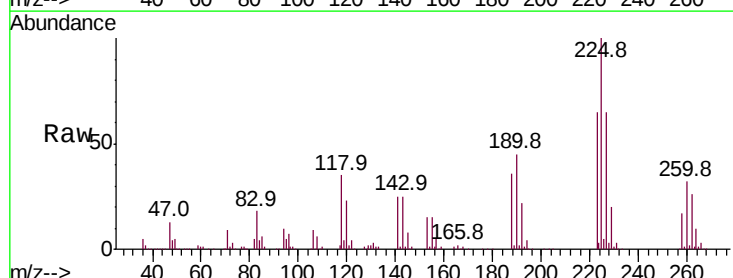
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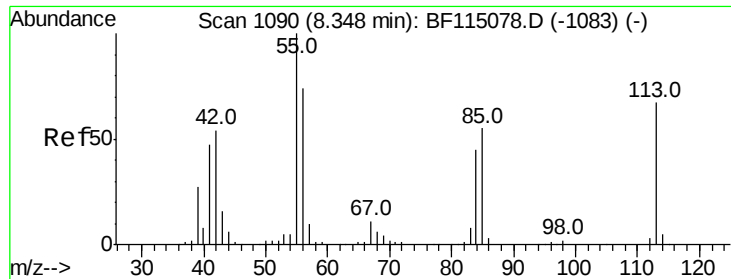
mohammad
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#34
Hexachlorobutadiene
Concen: 42.698 ng
RT: 8.04 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.6	49.4	74.2		
227	64.6	51.8	77.8		





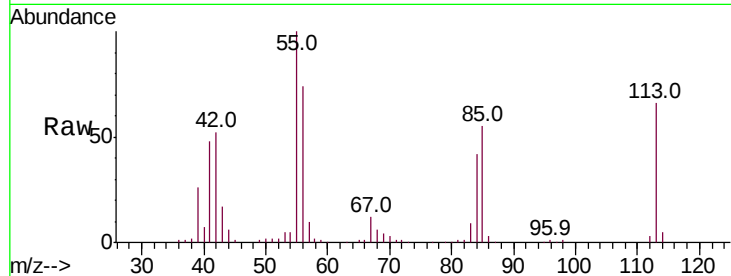
#35
Caprolactam
Concen: 30.186 ng/ml
RT: 8.34 min Scan# 1088
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	151.7	130.2	170.2
56	112.2	91.6	131.6

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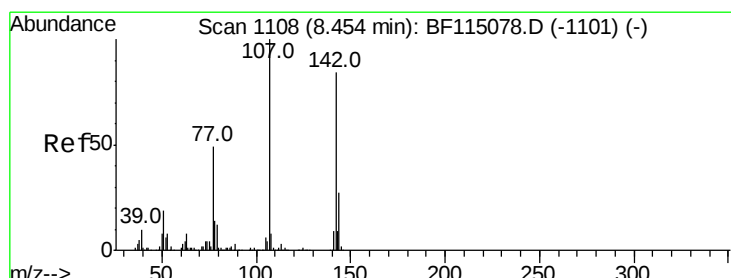
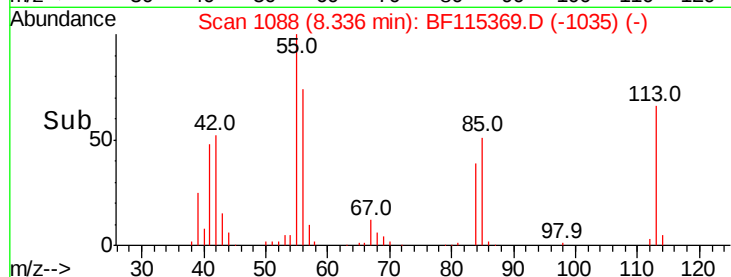
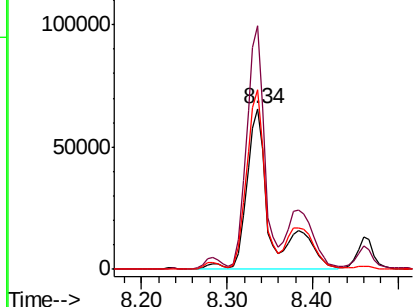


Abundance

Ion 113.00 (112.70 to 113.70): E

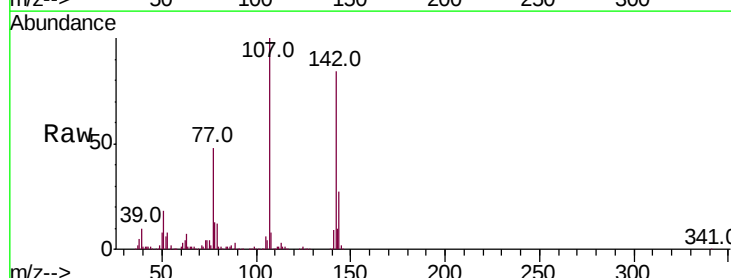
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 42.805 ng
RT: 8.46 min Scan# 1109
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.7	32.5
142	83.9	67.0	100.4

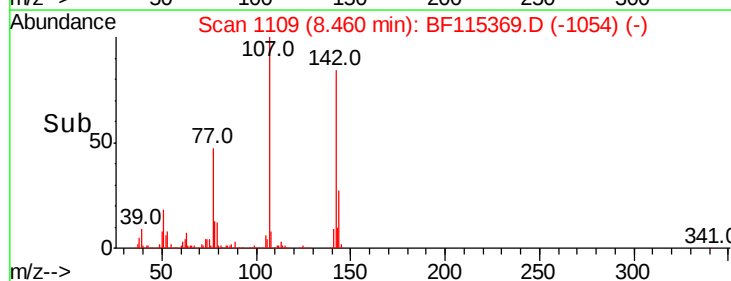
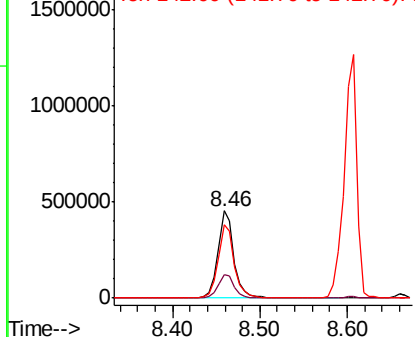


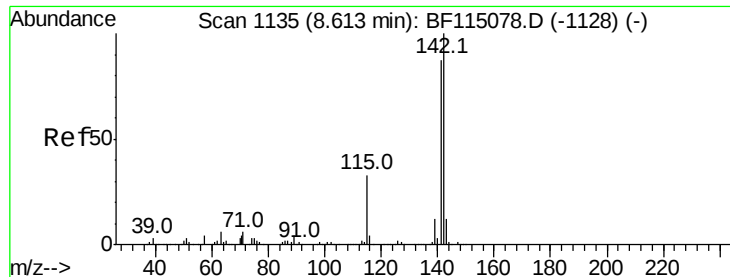
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 43.800 ng

RT: 8.61 min Scan# 1134

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion:142 Resp: 1285845

Ion Ratio Lower Upper

142 100

141 88.7 69.8 104.6

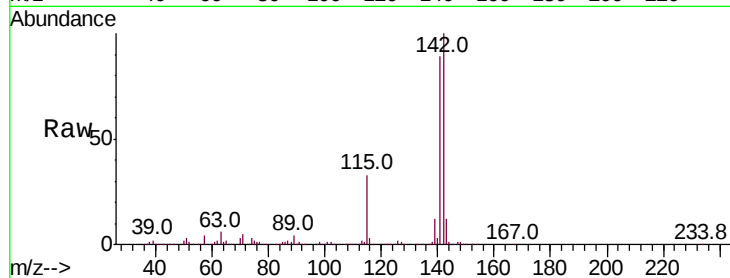
115 32.5 26.7 40.1

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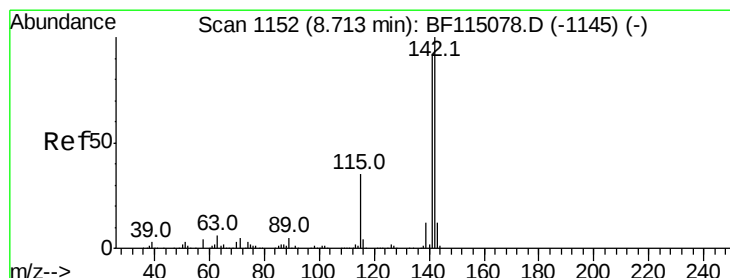
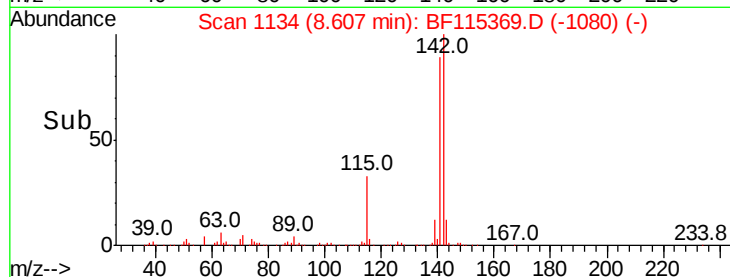
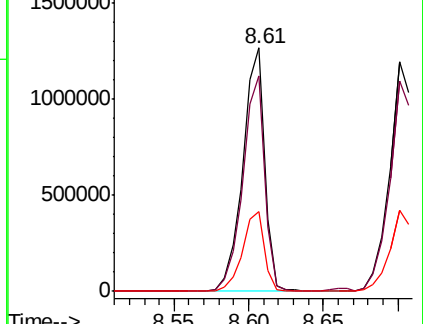
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 43.315 ng

RT: 8.70 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

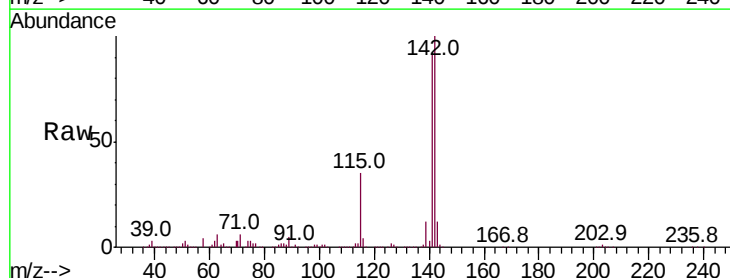
Tgt Ion:142 Resp: 1214460

Ion Ratio Lower Upper

142 100

141 91.6 73.8 110.8

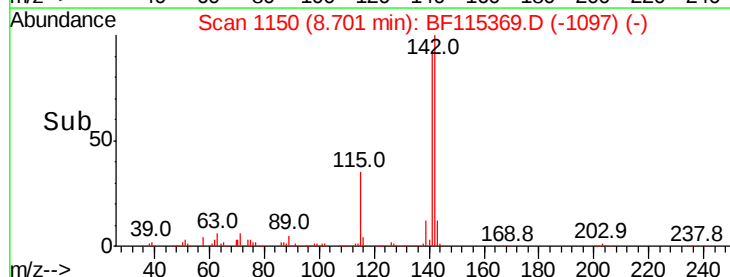
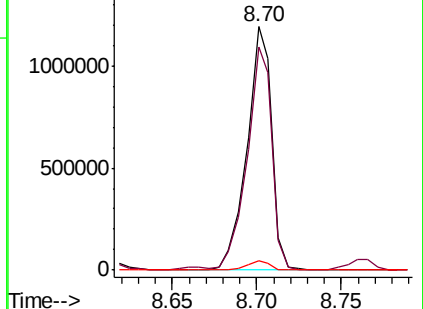
116 3.7 2.8 4.2

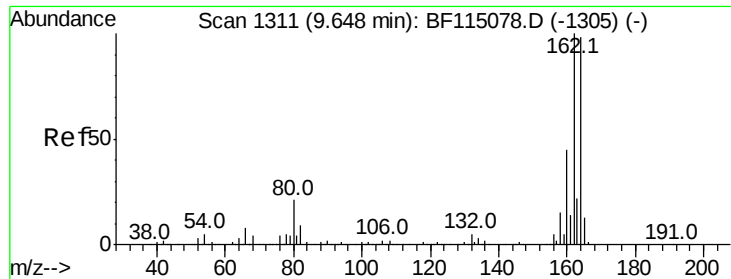


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





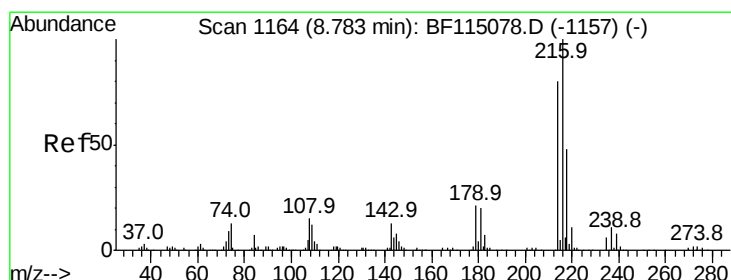
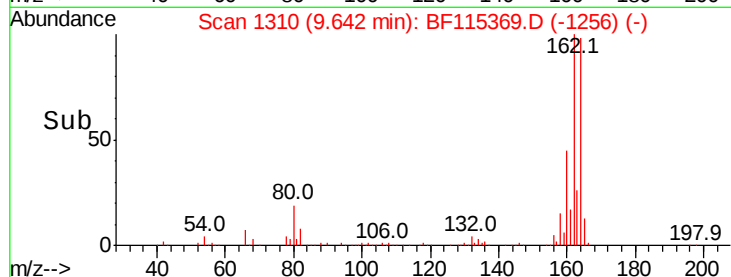
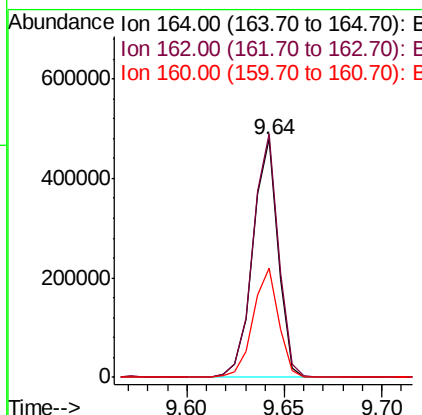
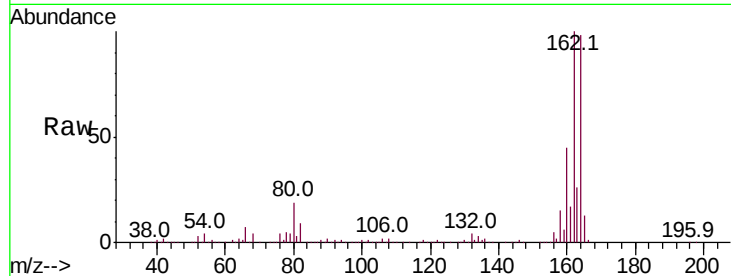
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	81.7	122.5	
160	46.0	37.0	55.4	

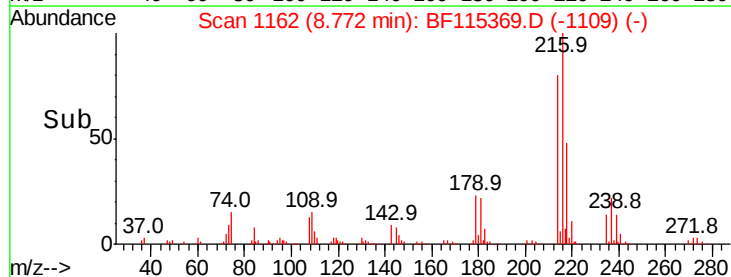
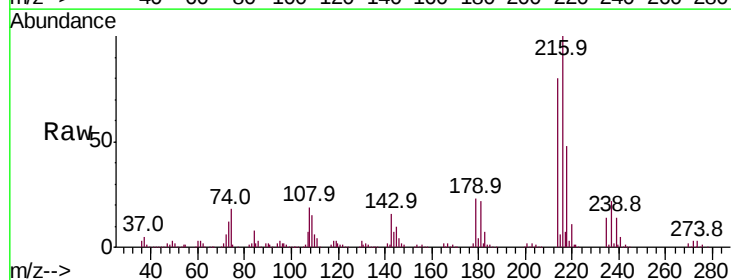
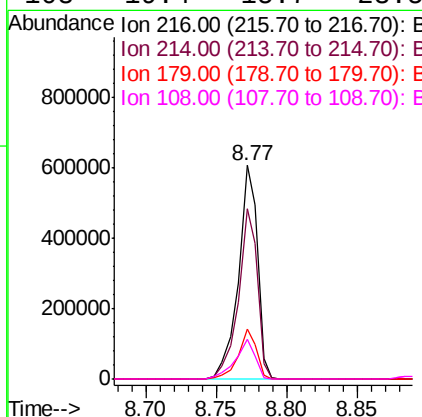
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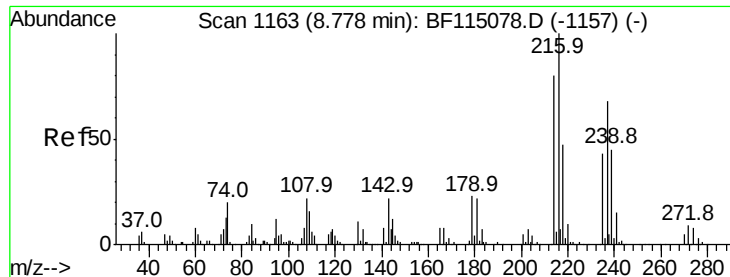
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.115 ng
RT: 8.77 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.9	63.8	95.6	
179	21.9	17.6	26.4	
108	19.4	15.7	23.5	





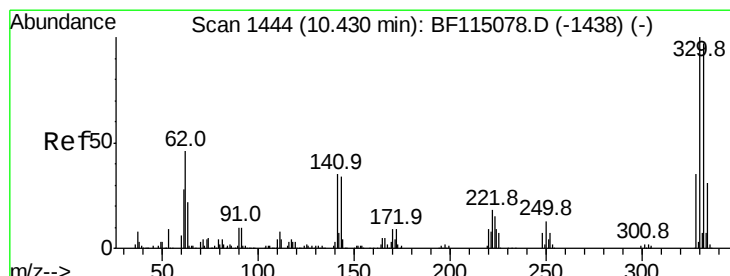
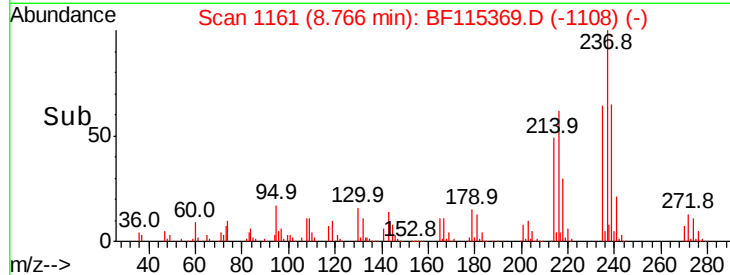
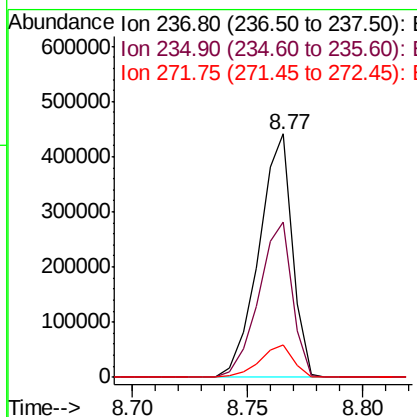
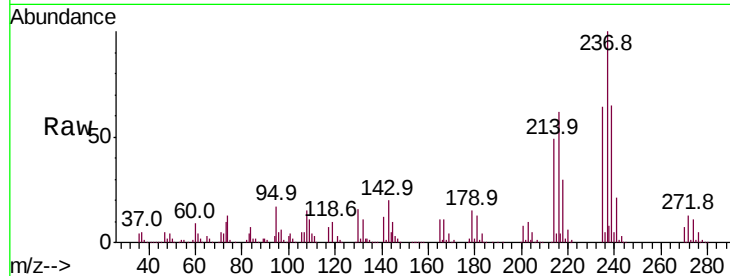
#41
 Hexachlorocyclopentadiene
 Concen: 61.851 ng
 RT: 8.77 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion:	237	Resp:	445128
Ion Ratio	Lower	Upper	
237	100		
235	63.6	43.9	83.9
272	13.5	0.0	33.8

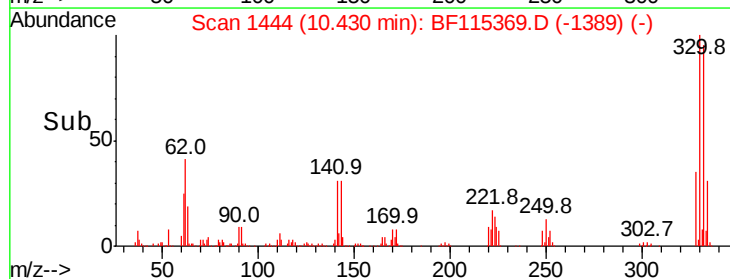
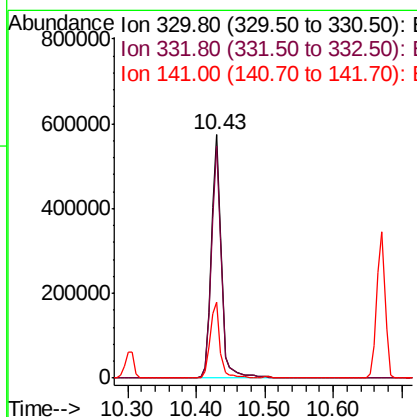
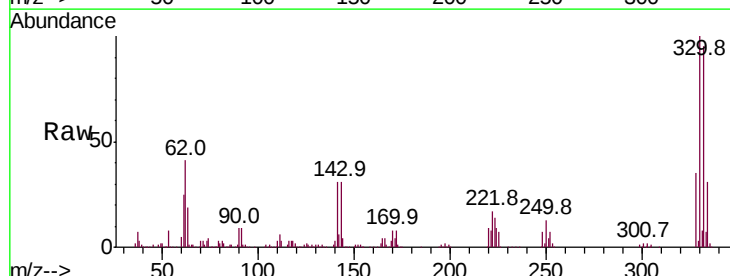
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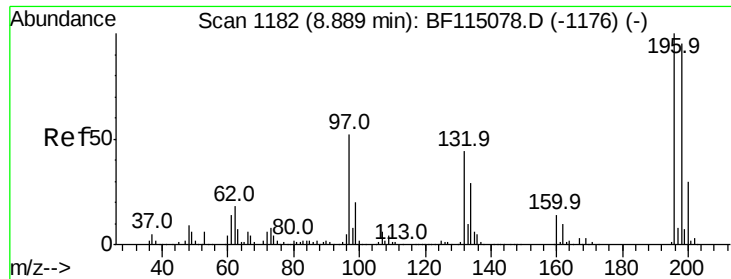
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#42
 2,4,6-Tribromophenol
 Concen: 130.795 ng
 RT: 10.43 min Scan# 1444
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion:	330	Resp:	592404
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.3	115.9
141	31.2	28.2	42.2





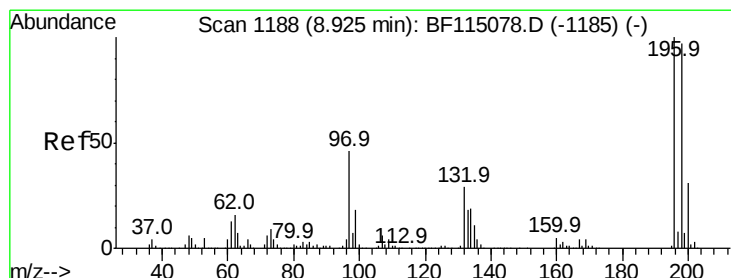
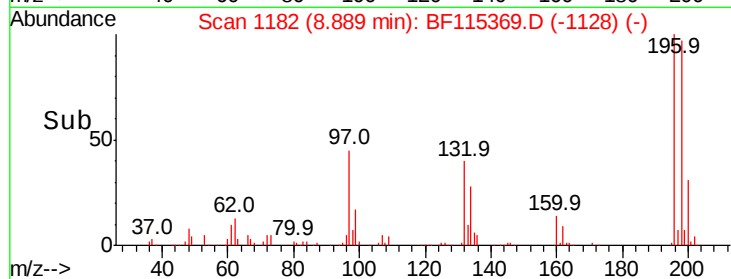
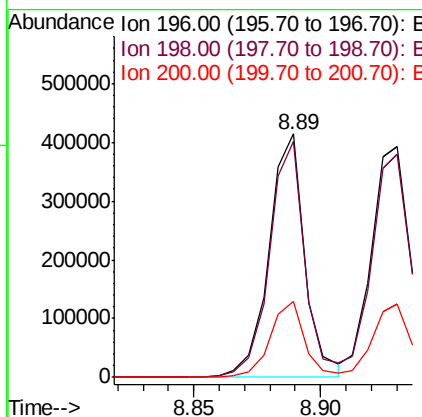
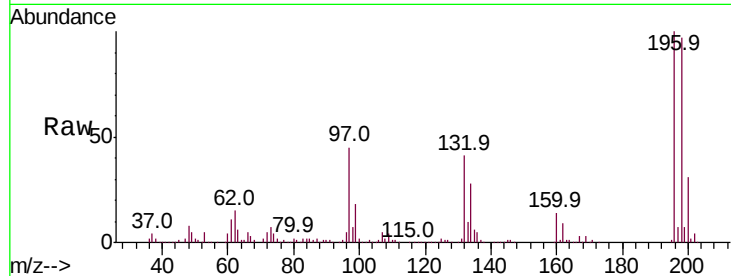
#43
 2,4,6-Trichlorophenol
 Concen: 43.020 ng
 RT: 8.89 min Scan# 1182
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	403101		
198	97.0	76.3	114.5	
200	31.0	24.2	36.4	

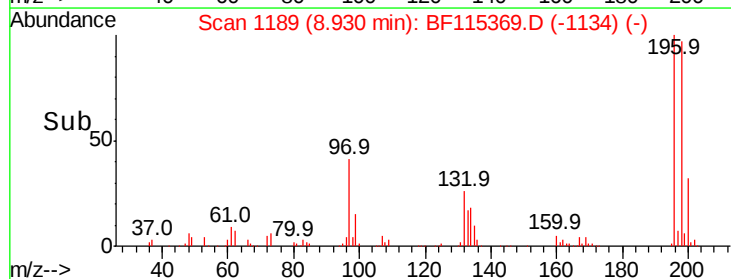
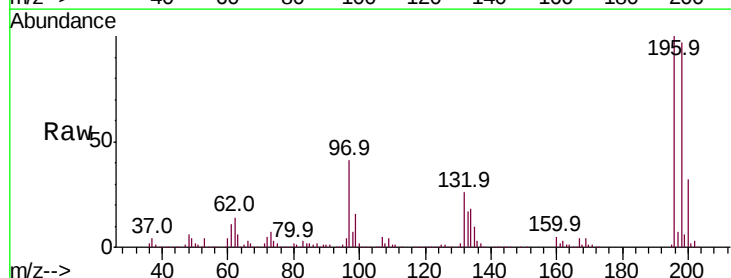
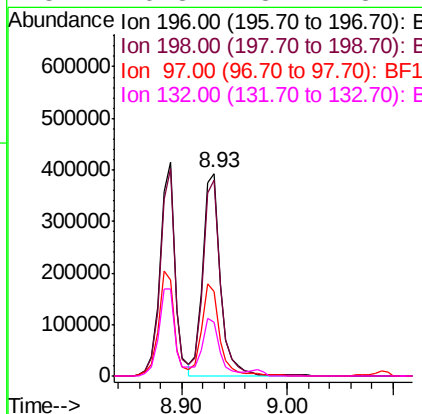
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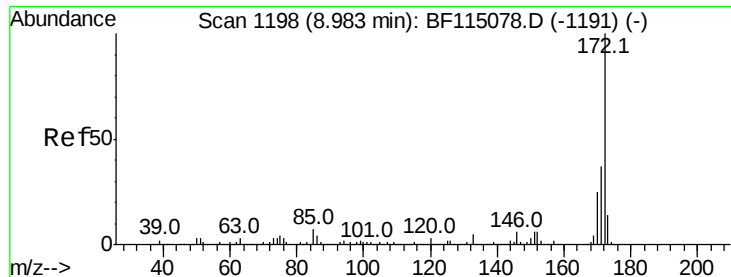
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#44
 2,4,5-Trichlorophenol
 Concen: 47.491 ng
 RT: 8.93 min Scan# 1189
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	458265		
198	96.7	77.1	115.7	
97	41.5	37.7	56.5	
132	26.3	23.1	34.7	





#45

2-Fluorobiphenyl

Concen: 96.535 ng

RT: 8.97 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion:172 Resp: 2440907

Ion Ratio Lower Upper

172 100

171 37.7 29.8 44.6

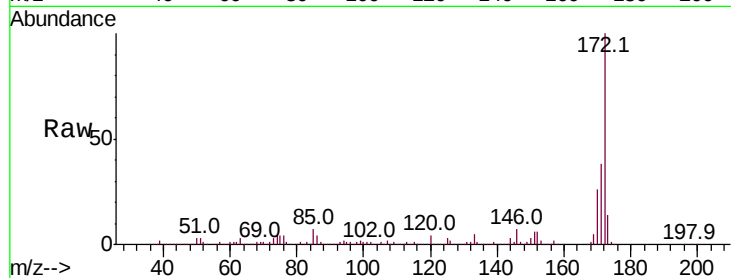
170 25.6 20.3 30.5

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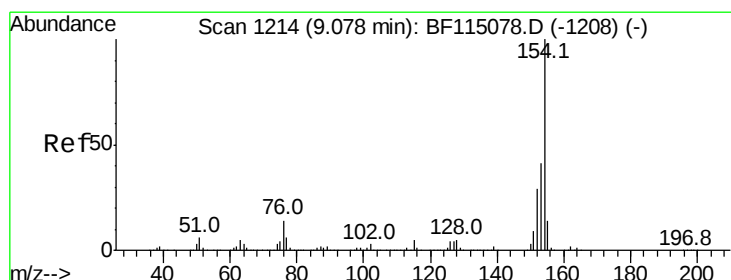
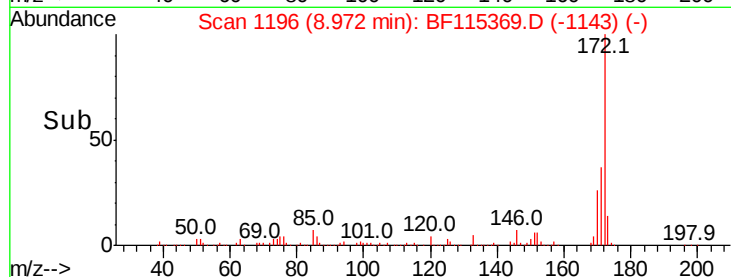
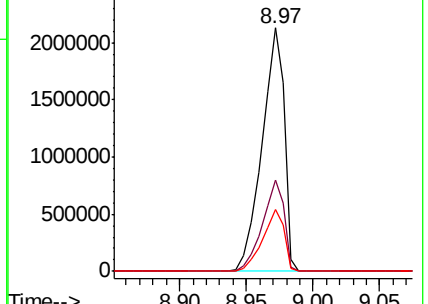
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 43.554 ng

RT: 9.07 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

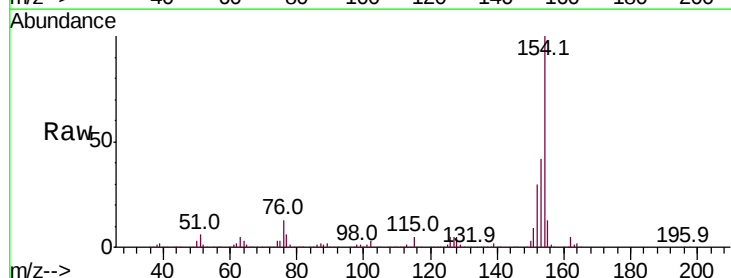
Tgt Ion:154 Resp: 1496788

Ion Ratio Lower Upper

154 100

153 41.6 20.9 60.9

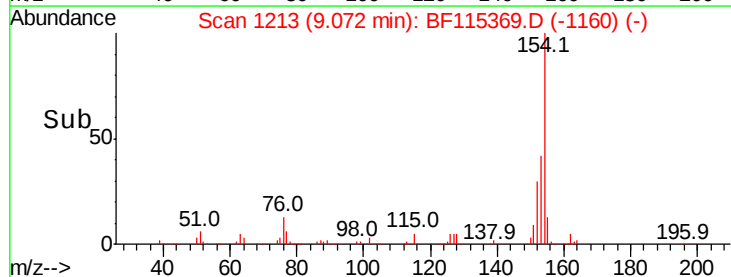
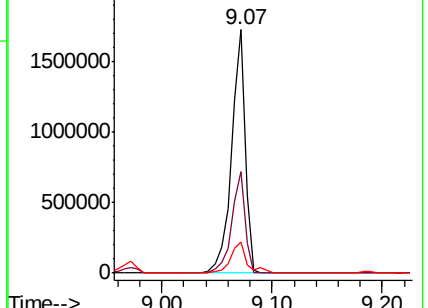
76 12.8 0.0 34.1

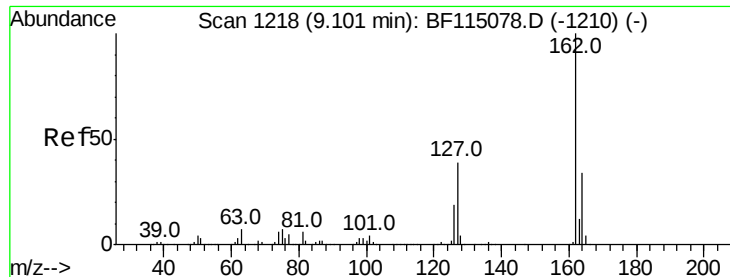


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





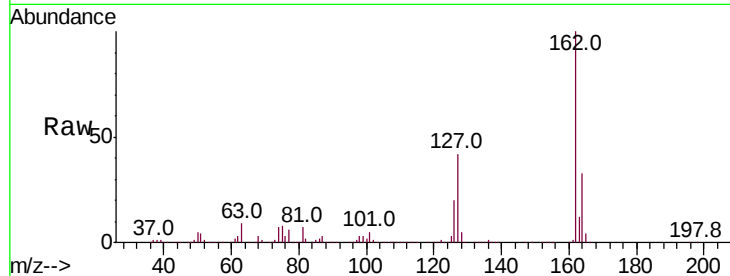
#47
2-Chloronaphthalene
Concen: 43.104 ng
RT: 9.09 min Scan# 1216
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

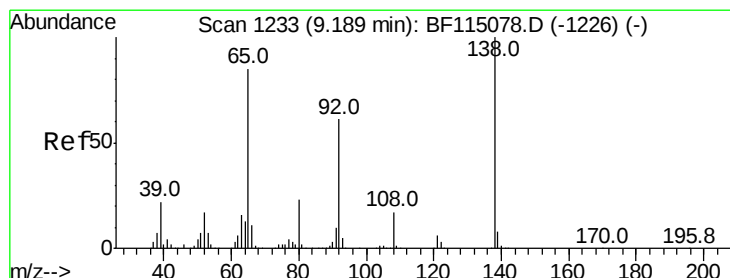
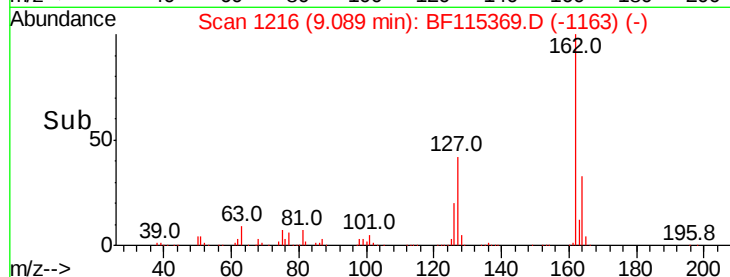
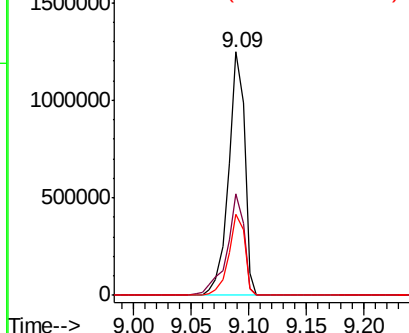
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	30.8	46.2
164	33.4	27.0	40.4

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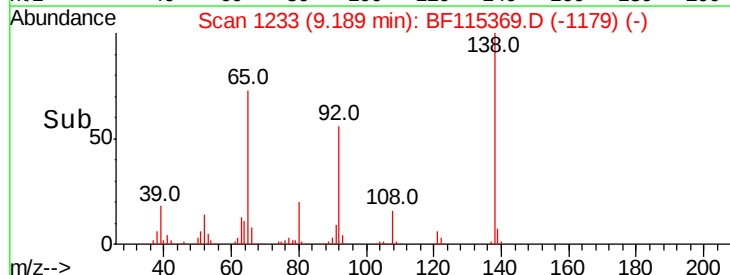
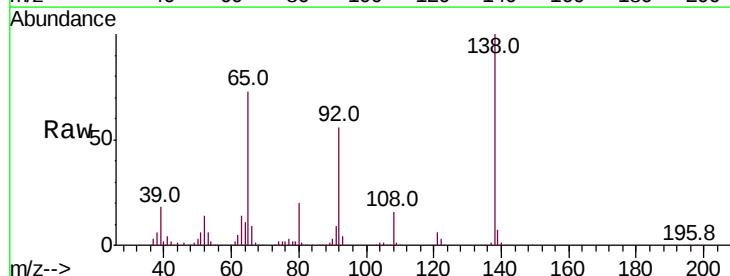
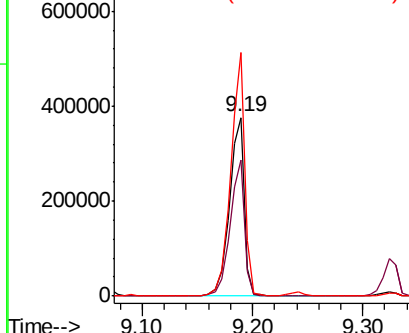
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

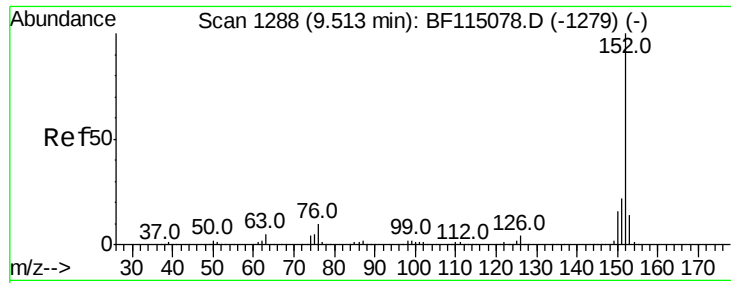


#48
2-Nitroaniline
Concen: 43.710 ng
RT: 9.19 min Scan# 1233
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	57.4	86.2
138	136.1	94.1	141.1

Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





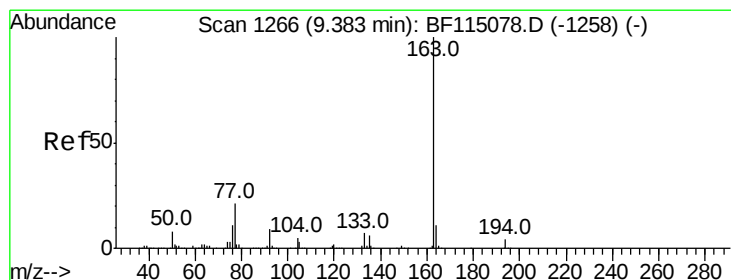
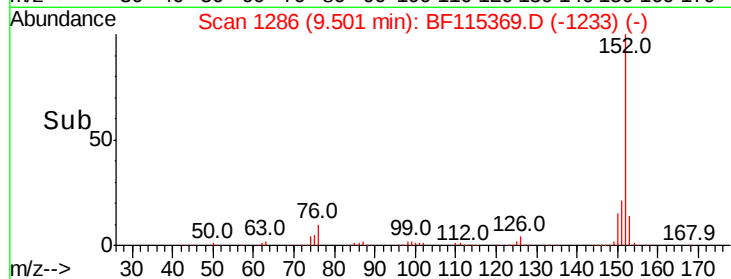
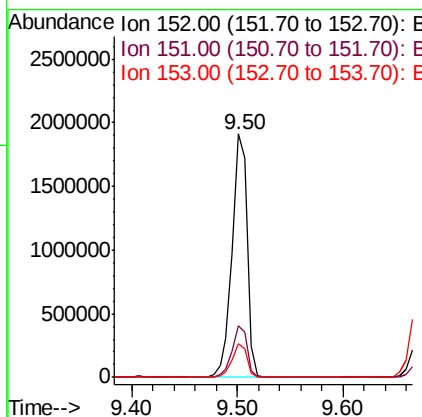
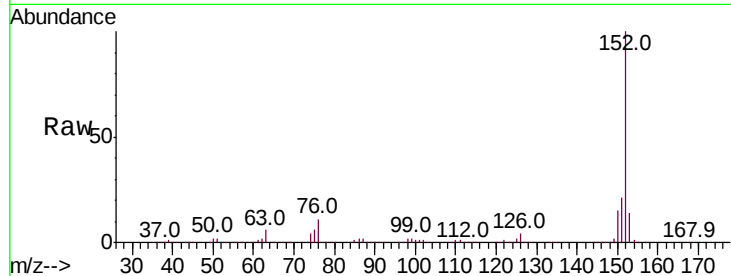
#49
Acenaphthylene
Concen: 43.127 ng
RT: 9.50 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.2	25.8
153	14.1	11.0	16.6

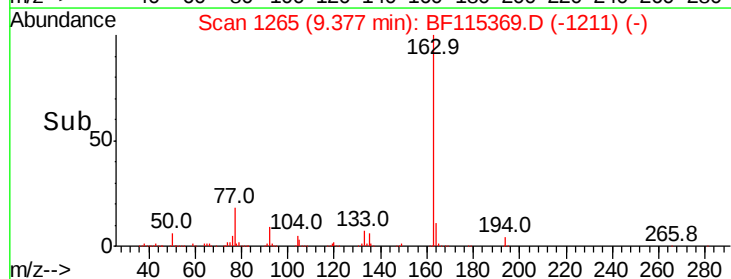
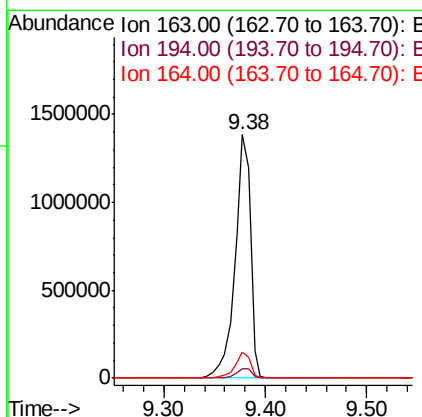
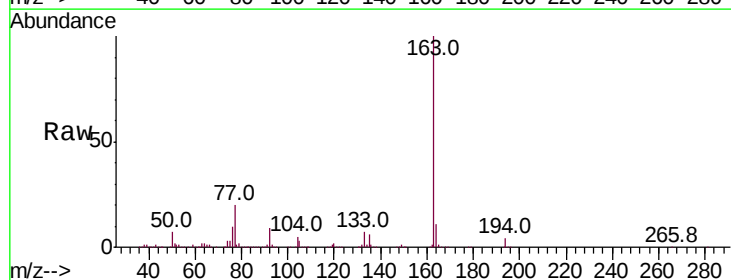
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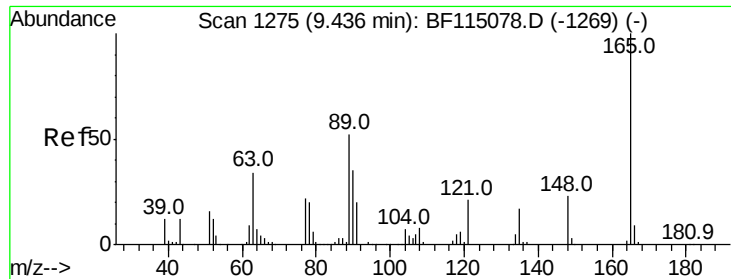
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#50
Dimethylphthalate
Concen: 46.223 ng
RT: 9.38 min Scan# 1265
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.8	8.6	13.0





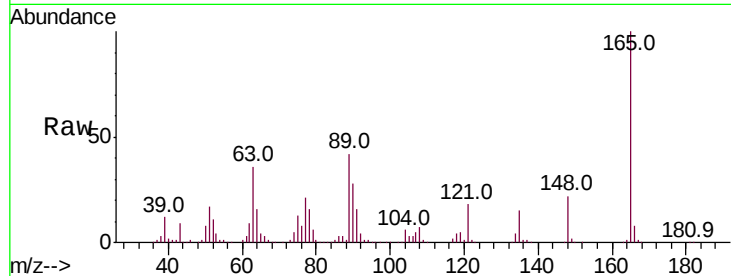
#51
 2,6-Dinitrotoluene
 Concen: 46.172 ng
 RT: 9.44 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

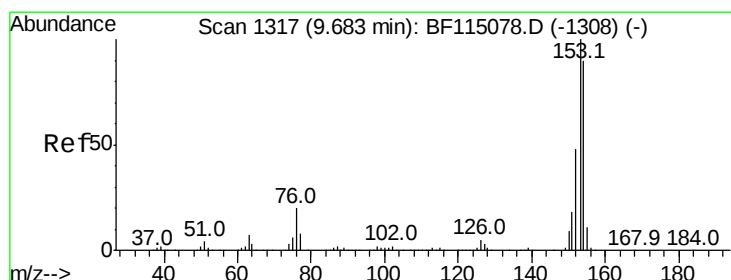
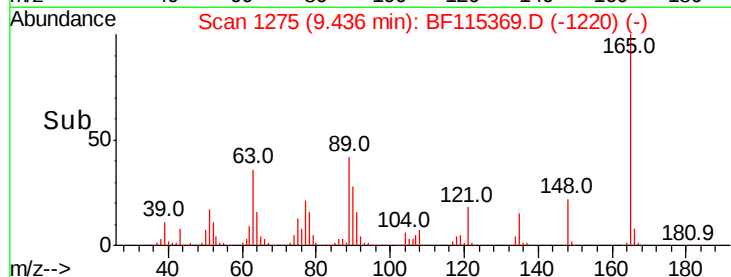
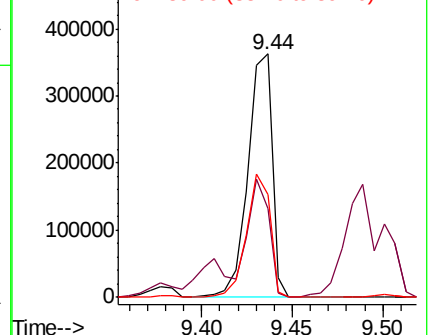
Tot Ion	Ratio	Lower	Upper
165	100		
63	36.5	39.4	59.2#
89	42.3	42.0	63.0

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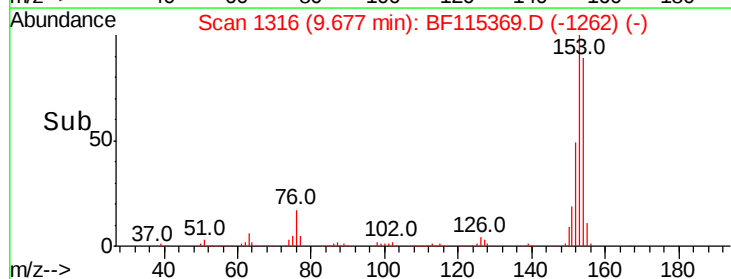
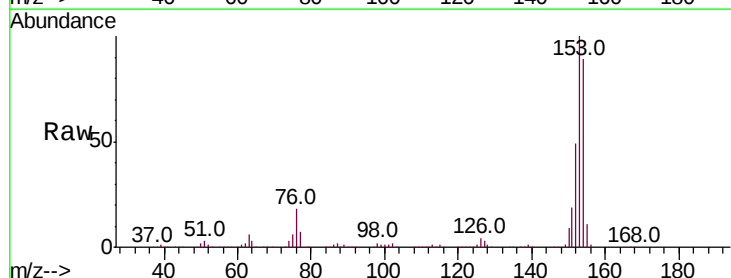
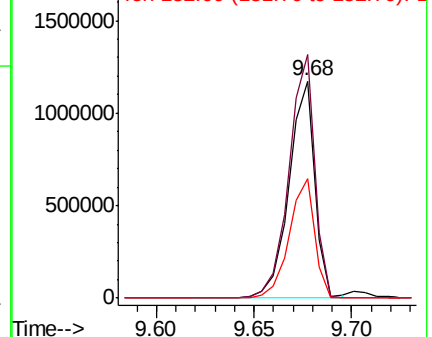
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

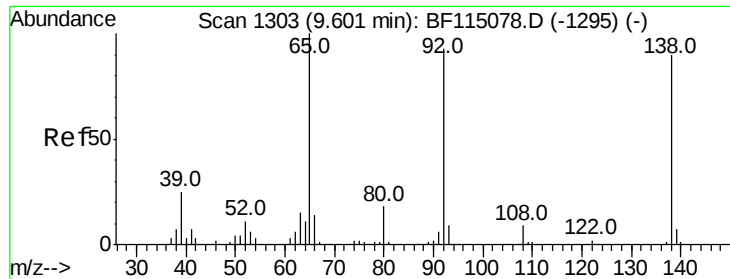


#52
 Acenaphthene
 Concen: 39.550 ng
 RT: 9.68 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	88.7	133.1
152	54.9	42.6	64.0

Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





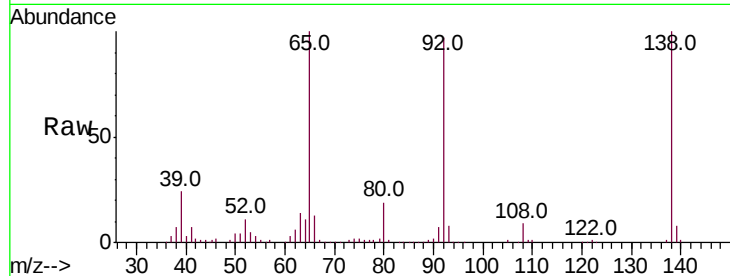
#53
3-Nitroaniline
Concen: 14.937 ng
RT: 9.60 min Scan# 1302
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

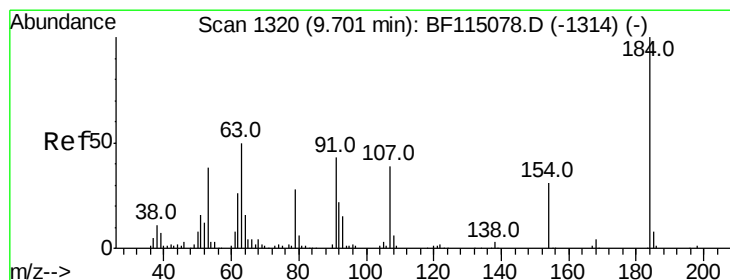
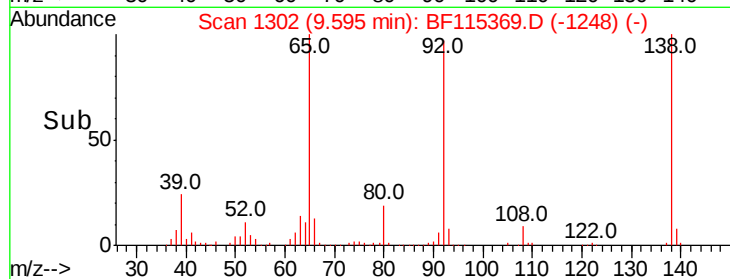
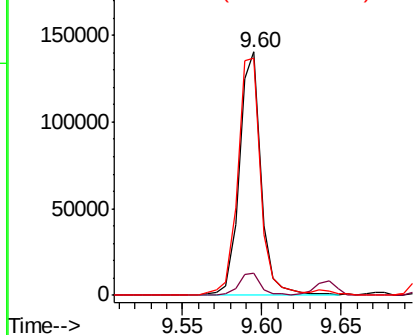
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.8	11.6
92	97.4	82.9	124.3

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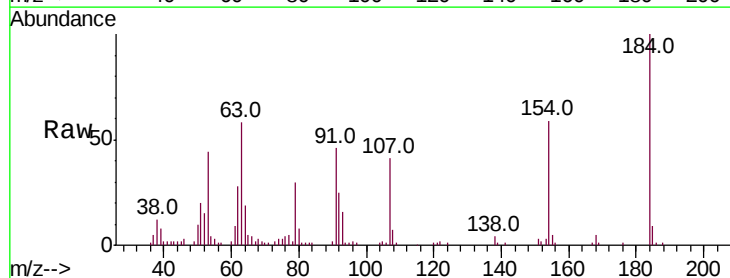


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

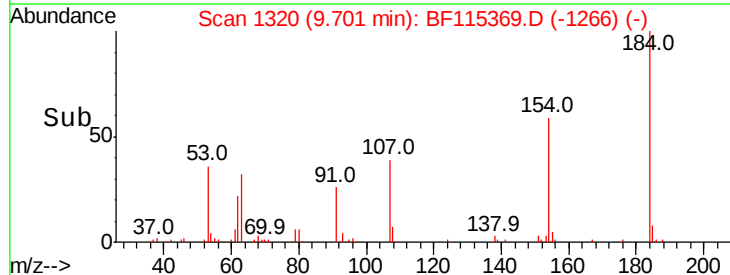
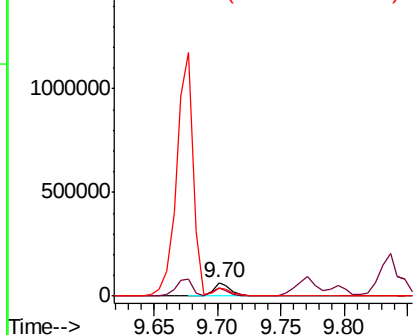


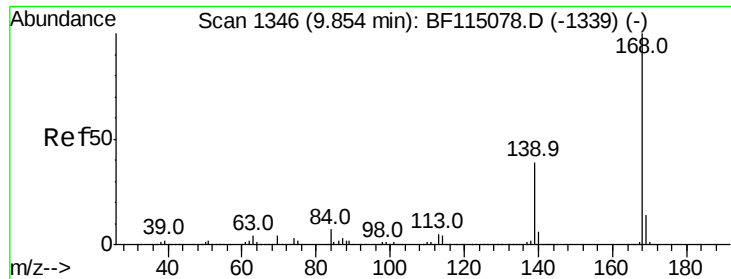
#54
2,4-Dinitrophenol
Concen: 23.136 ng
RT: 9.70 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.6	41.9	62.9
154	59.4	44.7	67.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





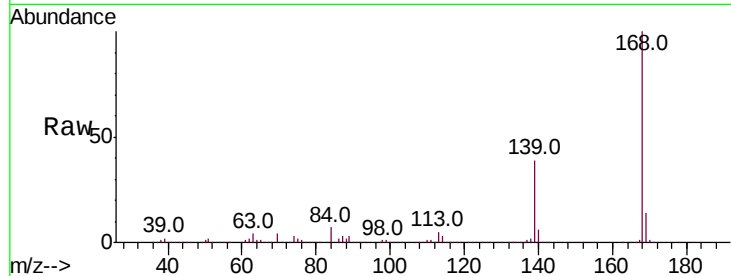
#55
Dibenzofuran
Concen: 41.440 ng
RT: 9.85 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

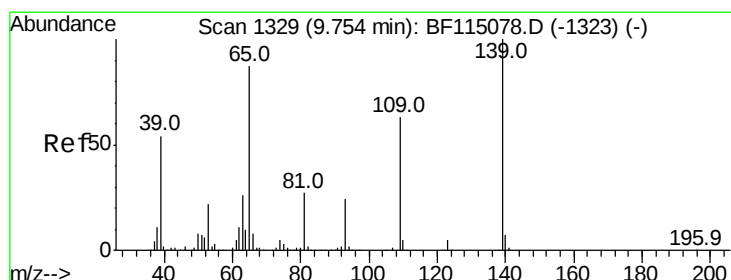
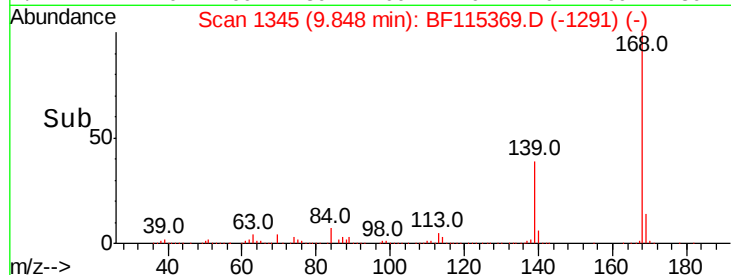
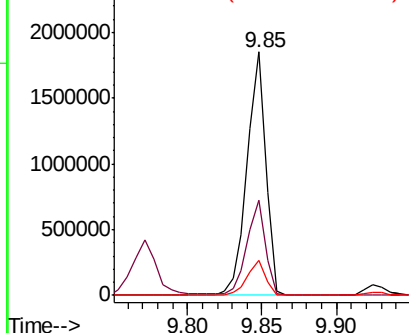
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.1	46.7
169	14.2	11.3	16.9

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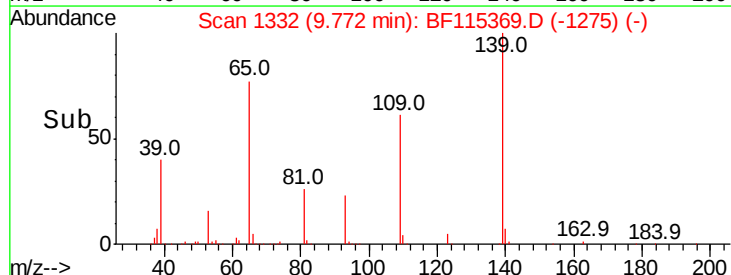
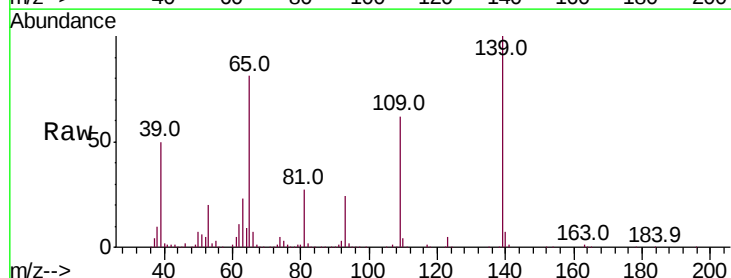
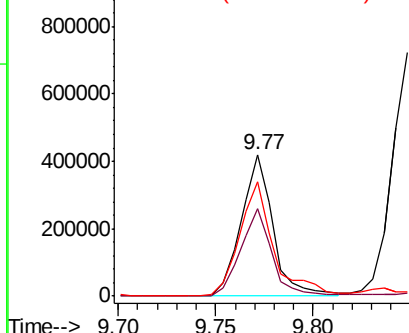
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

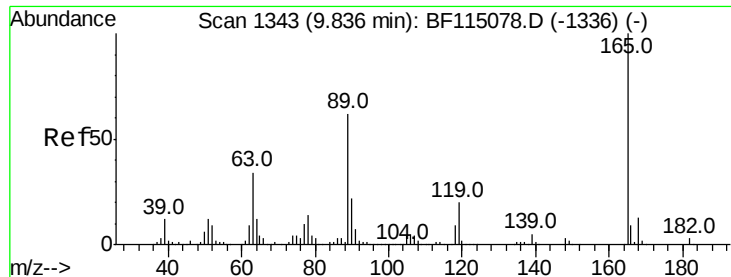


#56
4-Nitrophenol
Concen: 66.326 ng
RT: 9.77 min Scan# 1332
Delta R.T. 0.04 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.6	43.0	83.0
65	80.9	67.0	107.0

Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





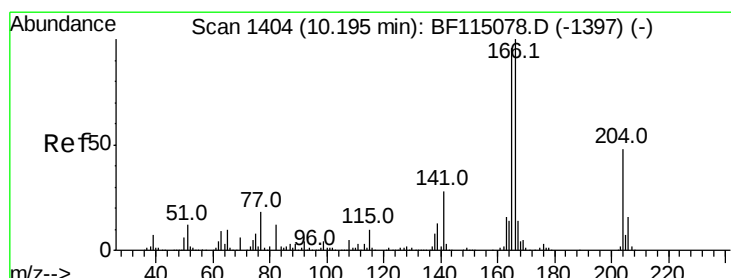
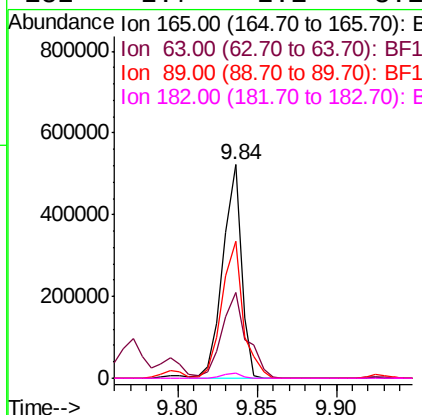
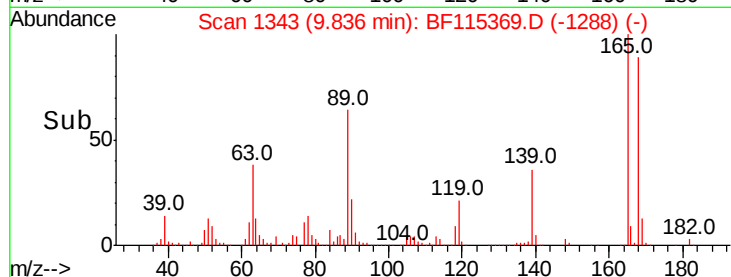
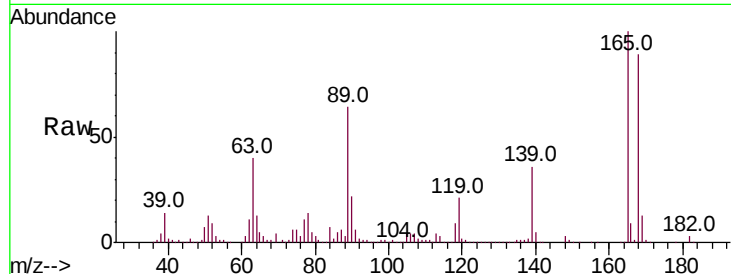
#57
2,4-Dinitrotoluene
Concen: 45.126 ng
RT: 9.84 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	40.0	27.5	41.3
89	64.1	49.9	74.9
182	2.7	2.1	3.1

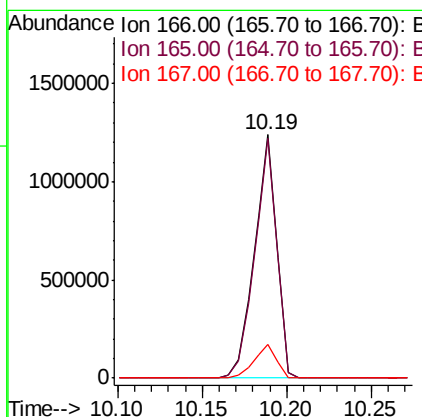
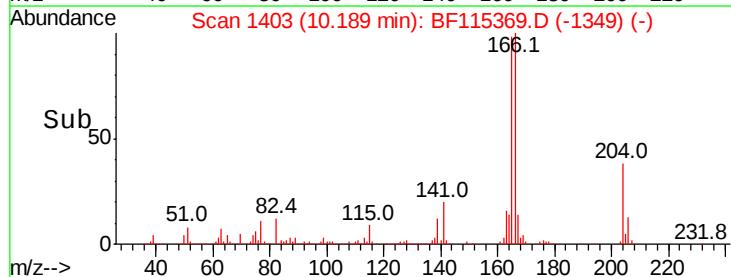
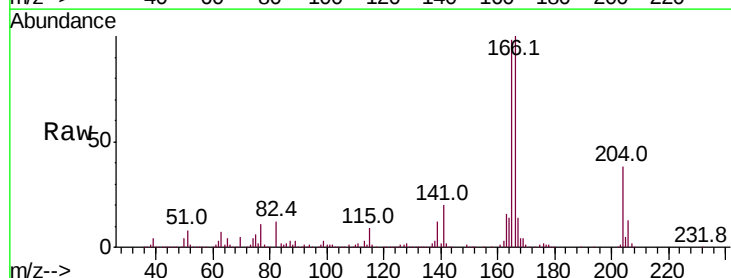
Manual Integrations
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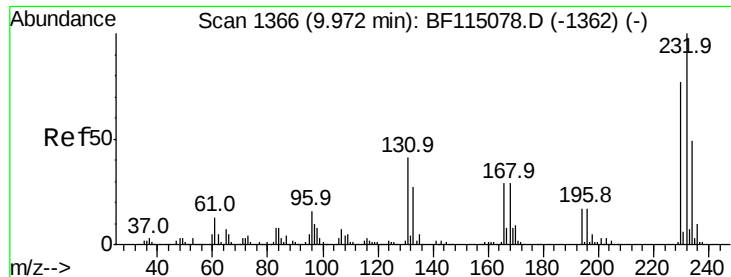
mohammad
7/3/2019 10:51:51 PM



#58
Fluorene
Concen: 43.637 ng
RT: 10.19 min Scan# 1403
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	76.5	114.7
167	13.9	11.0	16.4





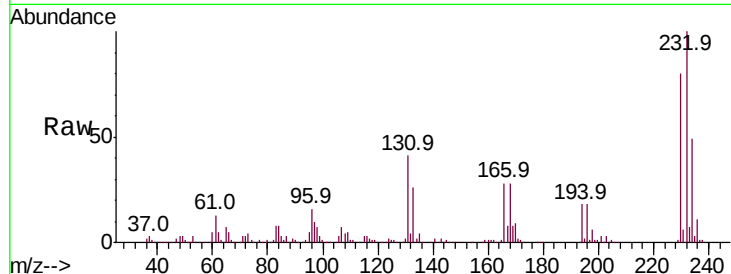
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.559 ng
 RT: 9.97 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.1	37.4	56.0
130	2.2	1.8	2.6
166	29.8	24.6	36.8

Manual Integrations
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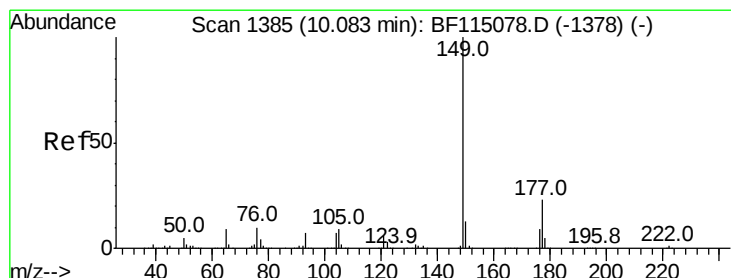
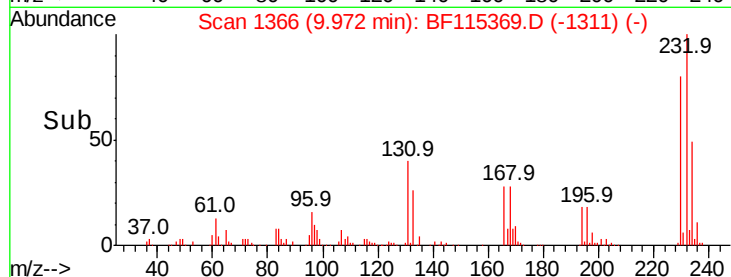
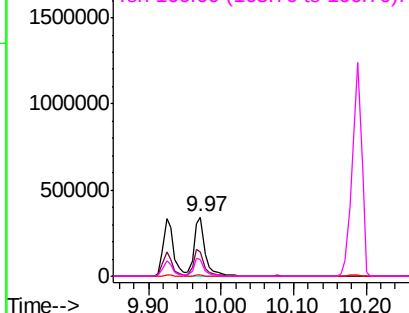
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

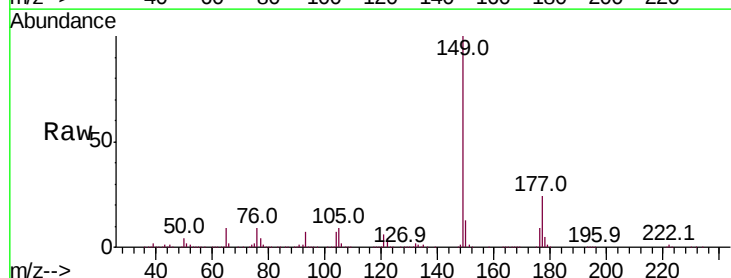
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 42.247 ng
 RT: 10.08 min Scan# 1384
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.7	28.1
150	13.0	10.4	15.6

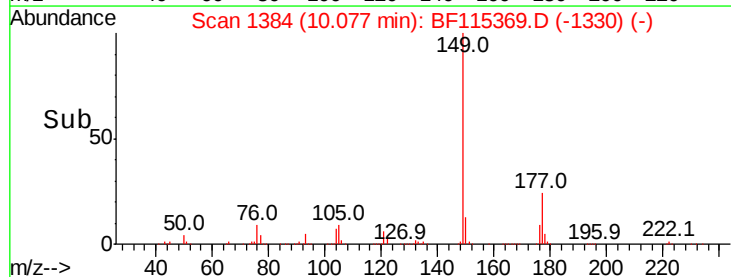
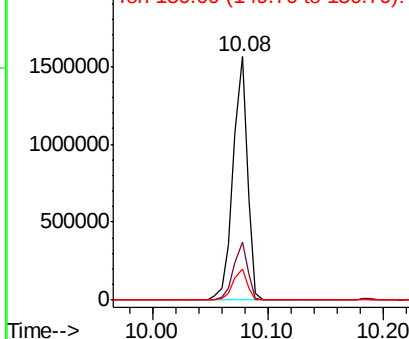


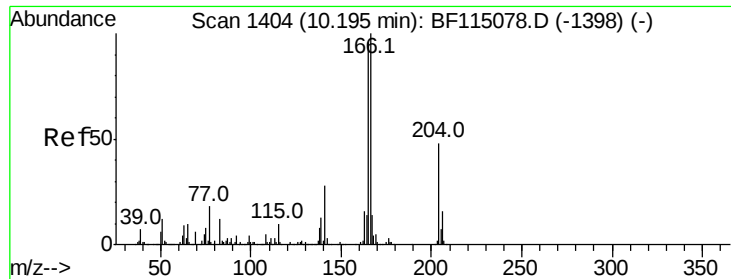
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





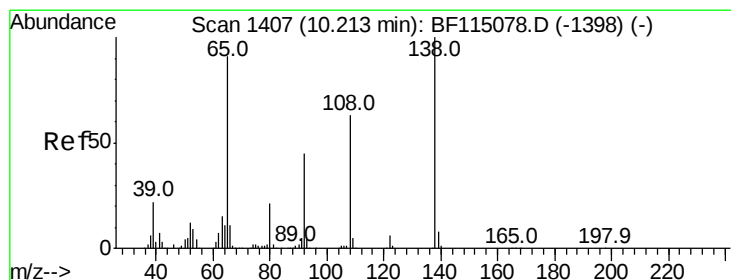
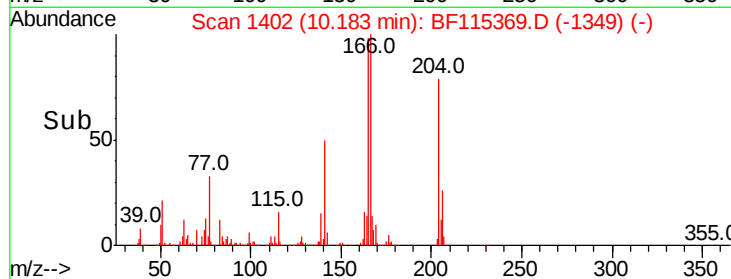
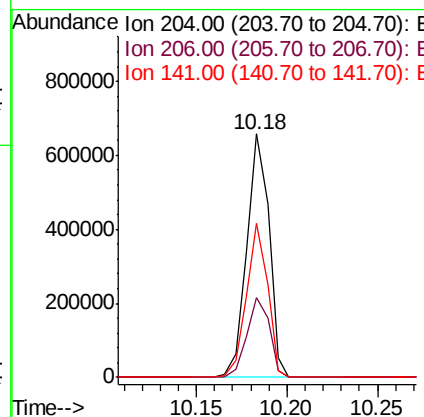
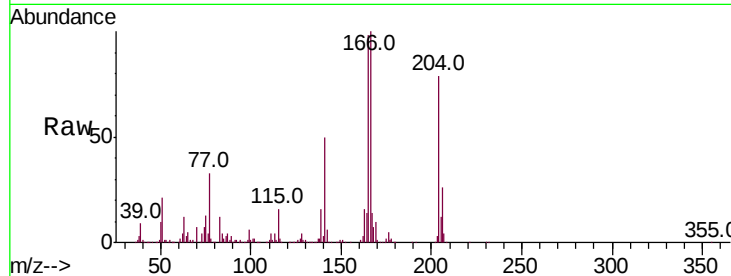
#61
4-Chlorophenyl-phenylether
Concen: 45.490 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	560511		
206	33.0	26.6	40.0	
141	63.2	46.7	70.1	

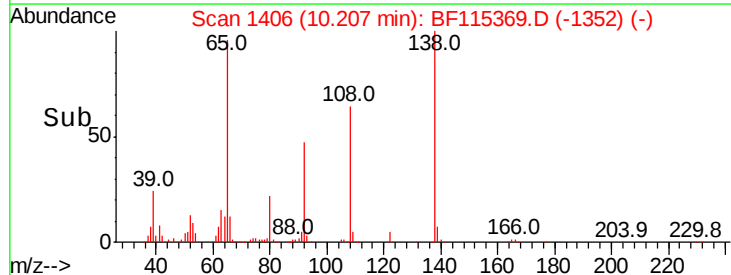
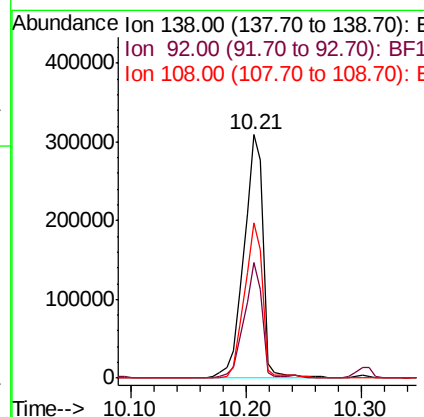
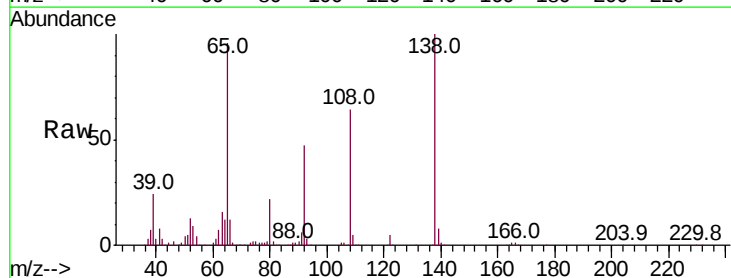
Manual Integrations
APPROVED

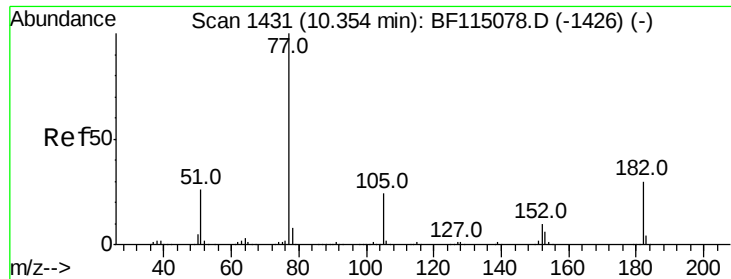
mohammad
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#62
4-Nitroaniline
Concen: 40.027 ng
RT: 10.21 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	357490		
92	47.4	24.8	64.8	
108	64.0	43.3	83.3	





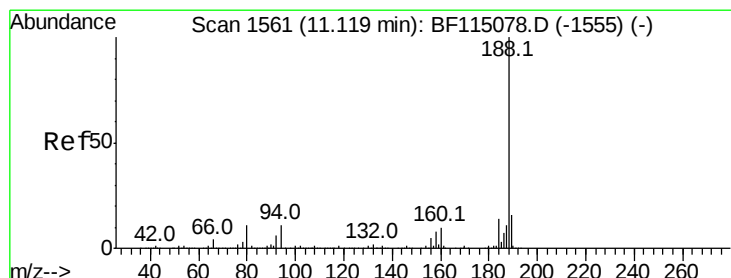
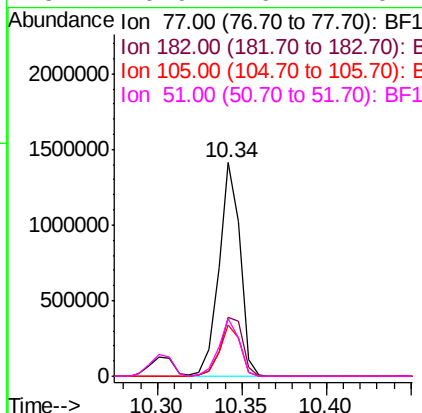
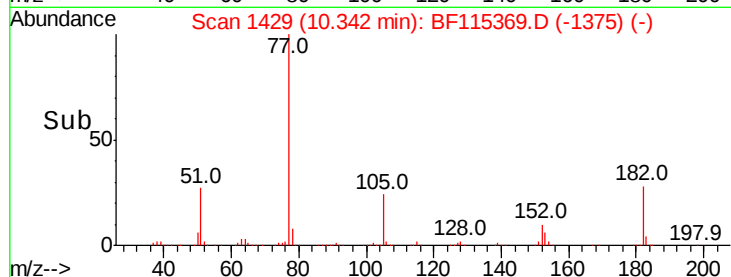
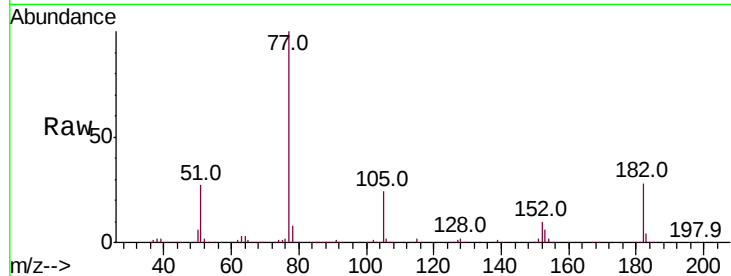
#63
Azobenzene
Concen: 41.437 ng
RT: 10.34 min Scan# 1429
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion: 77 Resp: 1229373
Ion Ratio Lower Upper
77 100
182 27.6 10.1 50.1
105 23.9 4.5 44.5
51 26.9 6.4 46.4

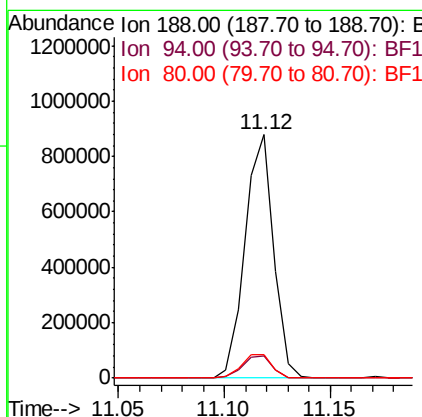
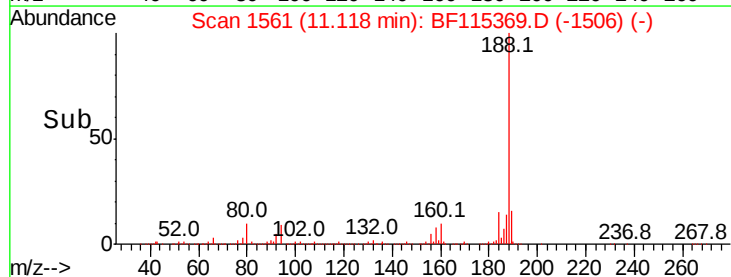
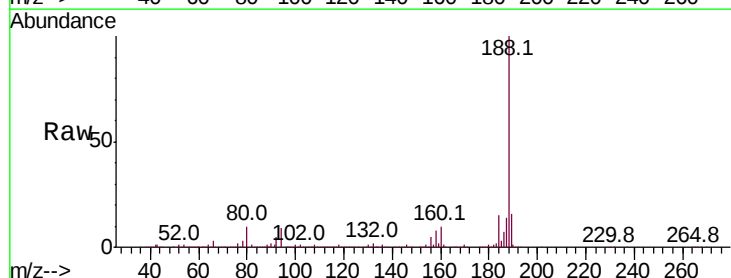
Manual Integrations
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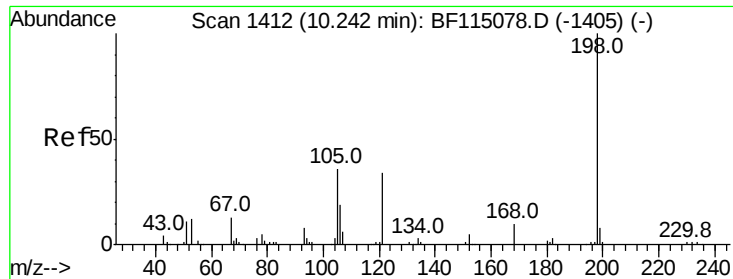
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.12 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion: 188 Resp: 824769
Ion Ratio Lower Upper
188 100
94 9.1 8.6 12.8
80 9.5 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 21.399 ng

RT: 10.24 min Scan# 1412

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

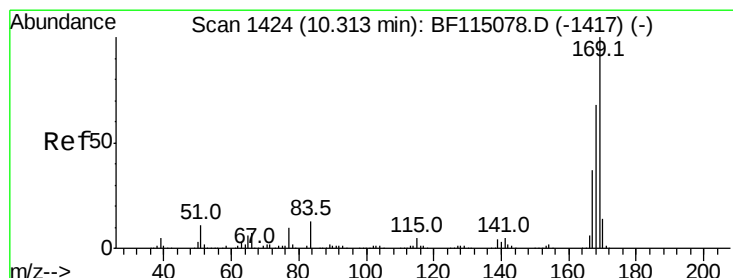
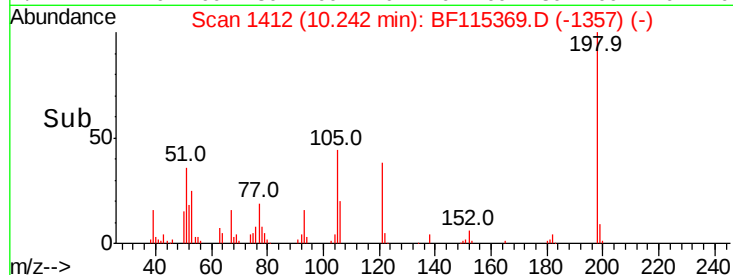
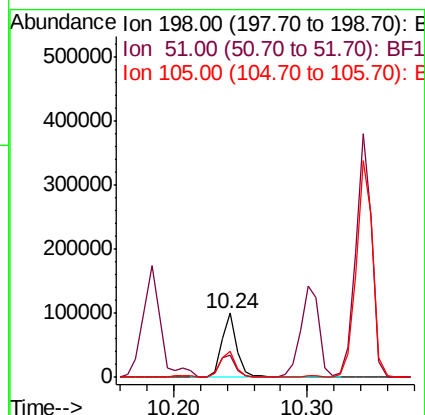
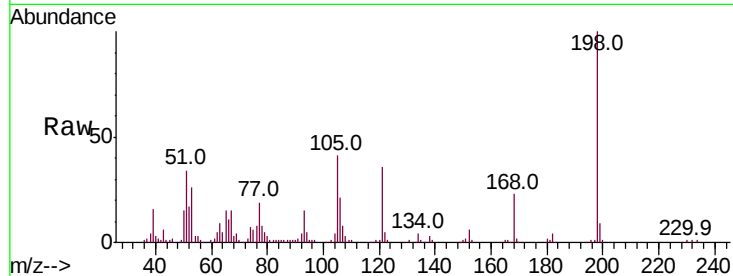
ClientSampleId :

OK-01-062819MSD

Tot Ion:	198	Resp:	80456
Ion Ratio	Lower	Upper	
198	100		
51	33.9	11.0	51.0
105	40.7	17.3	57.3

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 44.266 ng

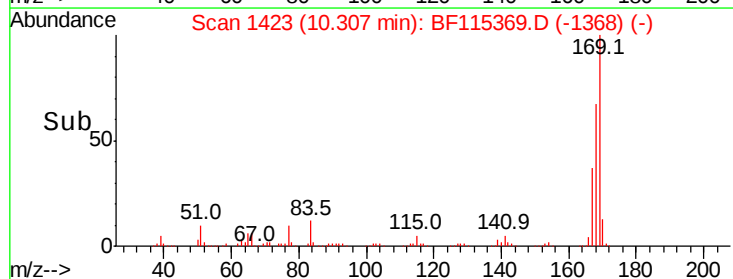
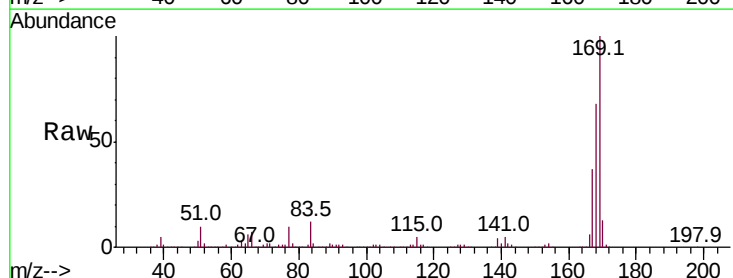
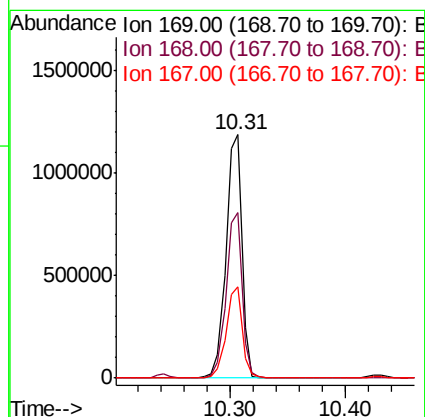
RT: 10.31 min Scan# 1423

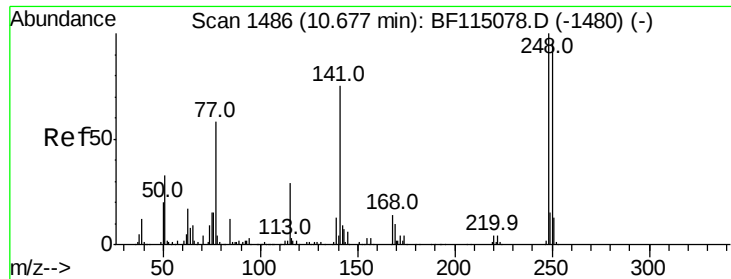
Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tgt Ion:	169	Resp:	1137432
Ion Ratio	Lower	Upper	
169	100		
168	68.0	54.2	81.4
167	37.4	29.4	44.0





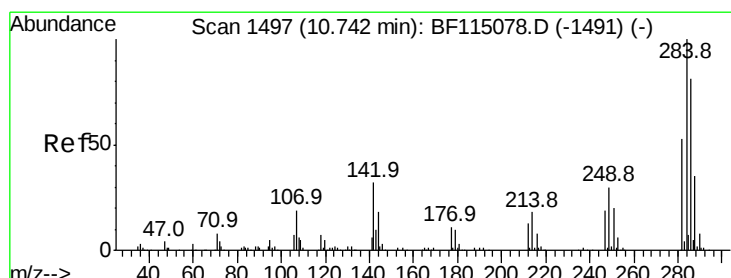
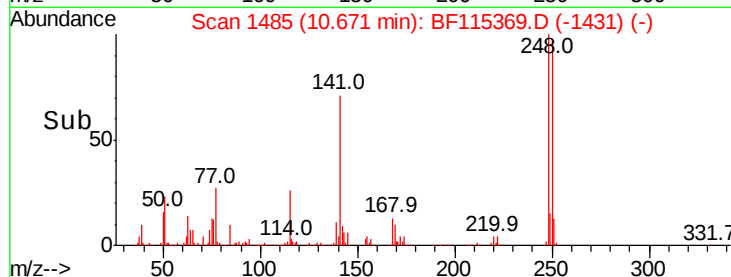
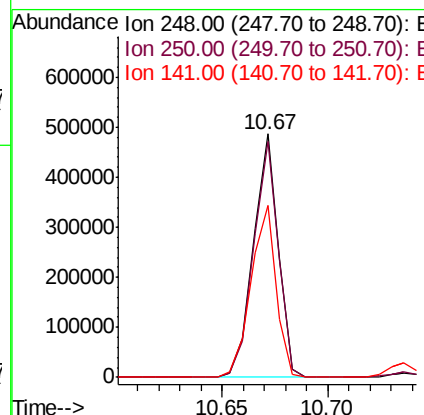
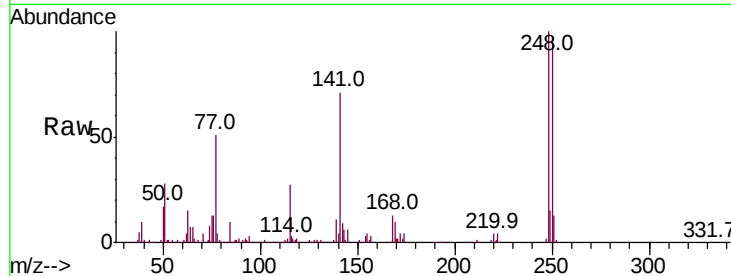
#67
4-Bromophenyl-phenylether
Concen: 44.406 ng
RT: 10.67 min Scan# 1485
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.2	114.2
141	70.7	59.6	89.4

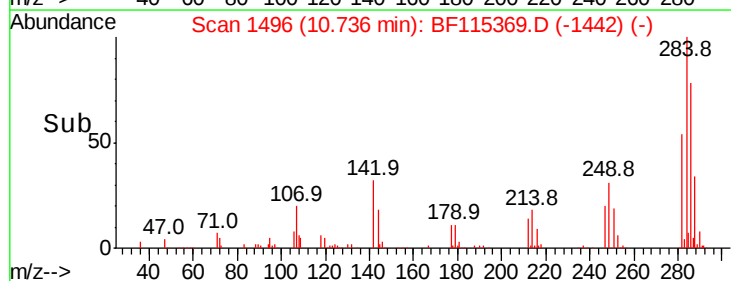
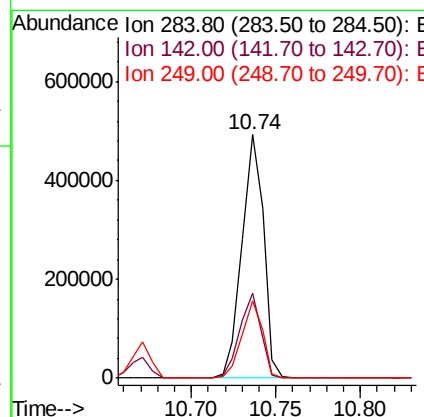
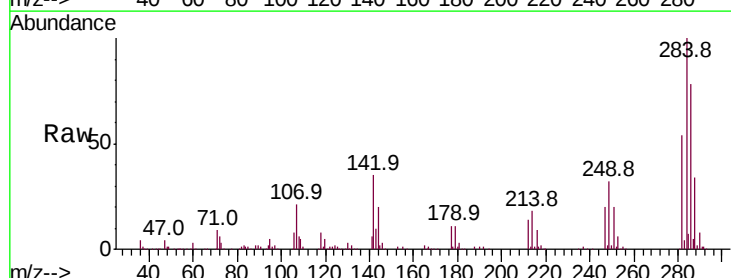
Manual Integrations
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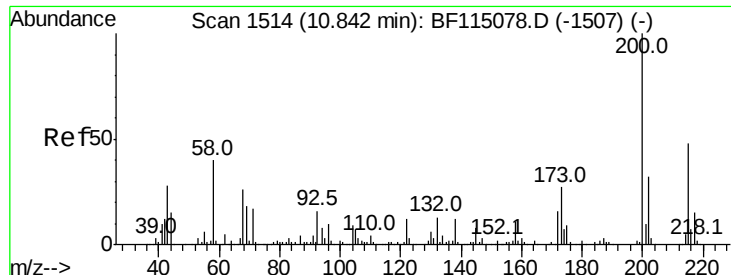
mohammad
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#68
Hexachlorobenzene
Concen: 45.203 ng
RT: 10.74 min Scan# 1496
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.9	25.8	38.8
249	31.9	24.2	36.4





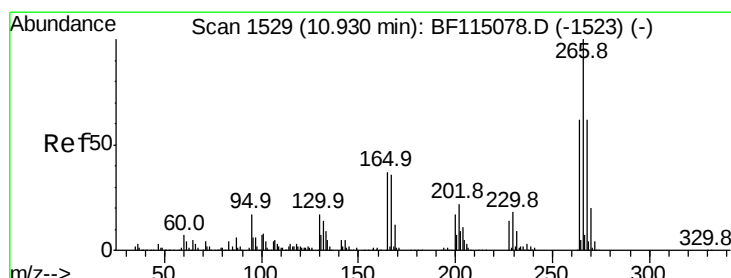
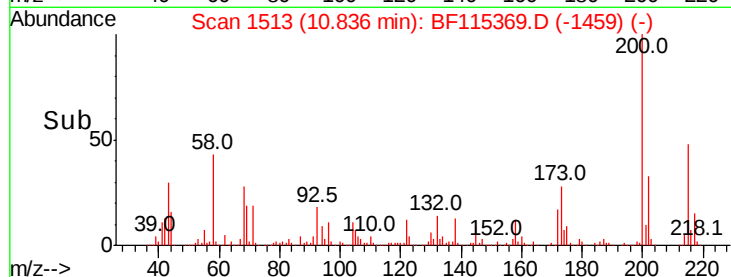
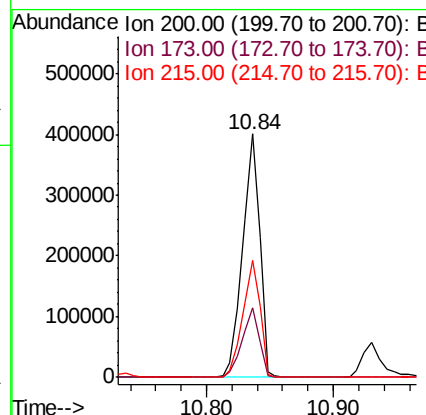
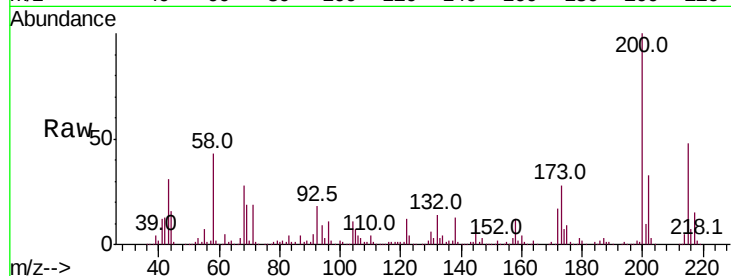
#69
Atrazine
Concen: 44.824 ng
RT: 10.84 min Scan# 1513
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	47.8	27.8	67.8

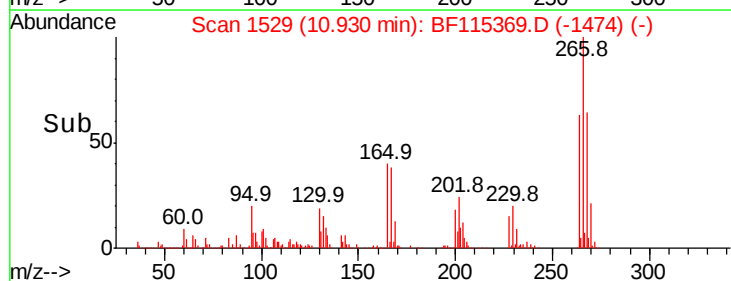
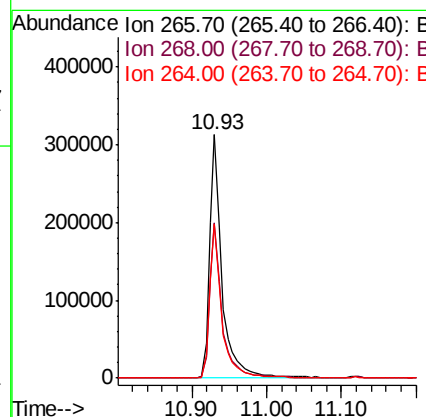
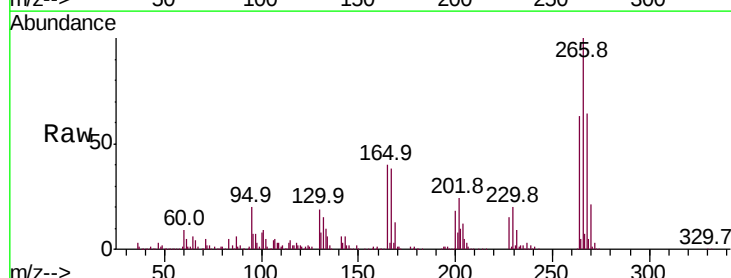
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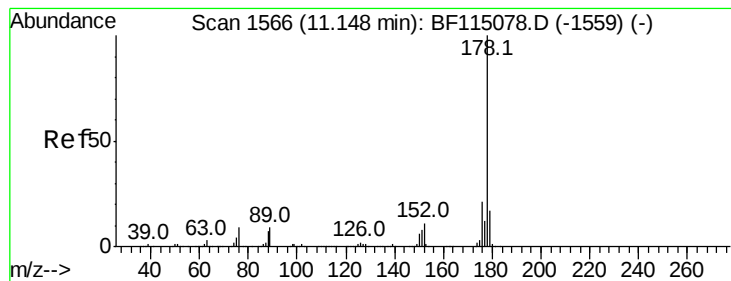
mohammad
7/3/2019 10:51:51 PM



#70
Pentachlorophenol
Concen: 59.103 ng
RT: 10.93 min Scan# 1529
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.5	74.3
264	63.3	49.3	73.9





#71

Phenanthrene

Concen: 41.444 ng

RT: 11.14 min Scan# 1565

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion:178 Resp: 1840396

Ion Ratio Lower Upper

178 100

176 21.1 16.9 25.3

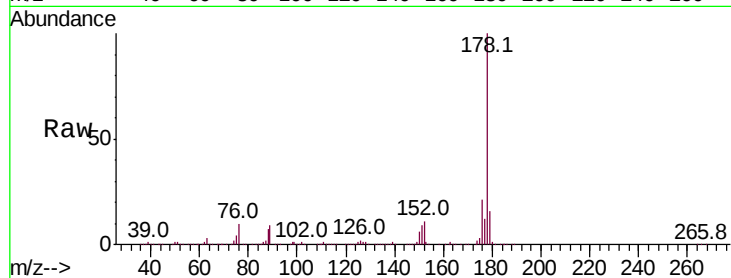
179 16.4 13.2 19.8

Manual Integrations

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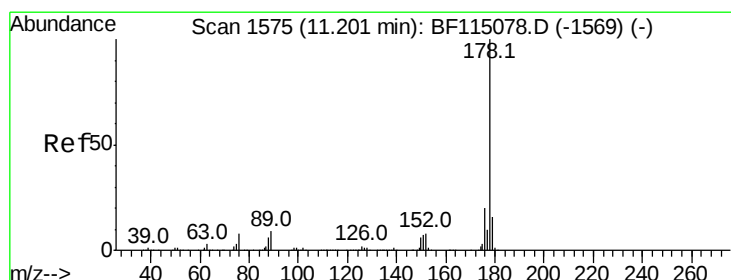
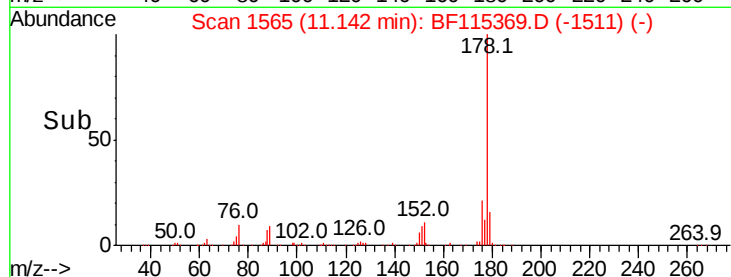
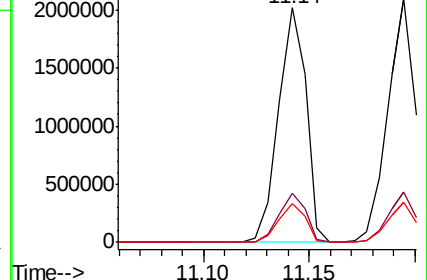
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.351 ng

RT: 11.19 min Scan# 1574

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Tgt Ion:178 Resp: 1898408

Ion Ratio Lower Upper

178 100

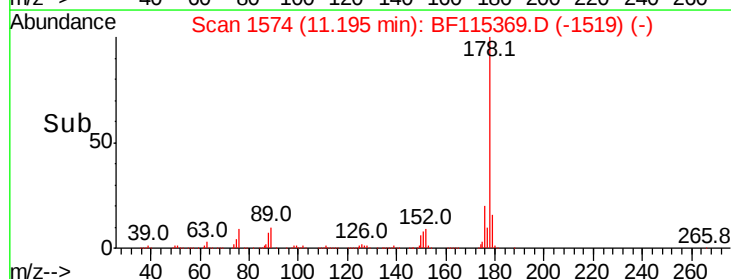
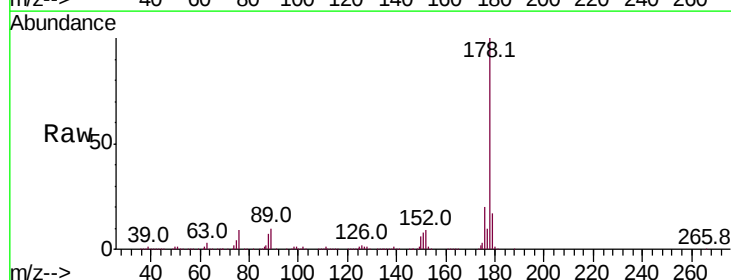
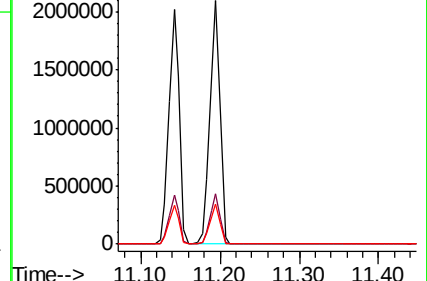
176 20.4 16.1 24.1

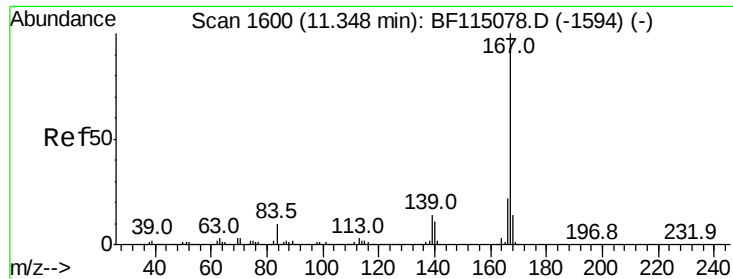
179 16.6 12.9 19.3

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





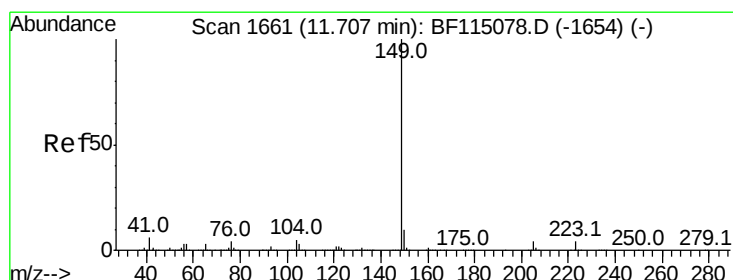
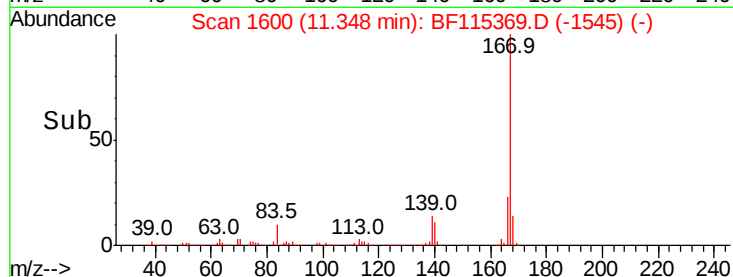
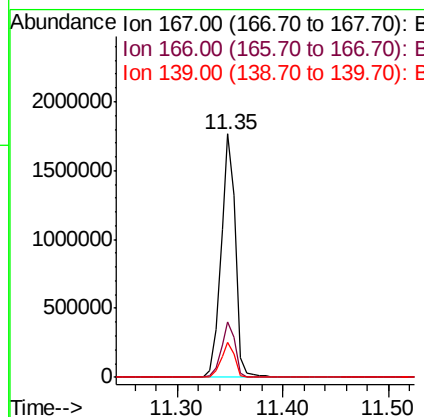
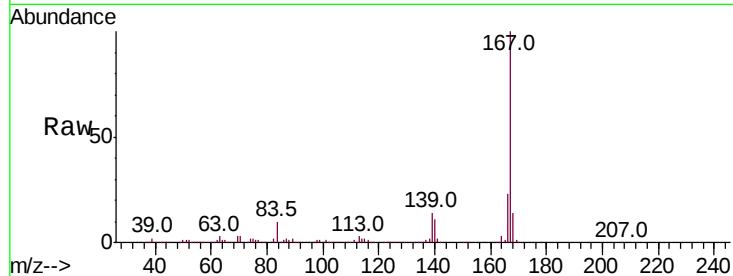
#73
 Carbazole
 Concen: 42.442 ng
 RT: 11.35 min Scan# 1600
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	14.3	11.1	16.7

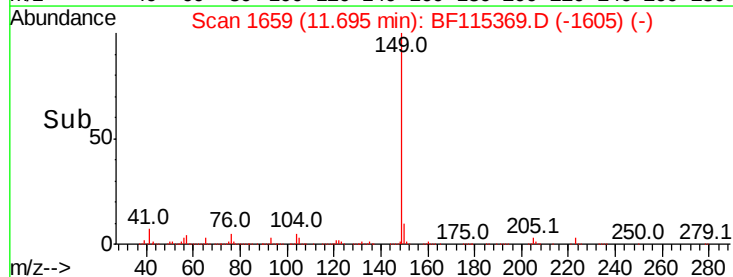
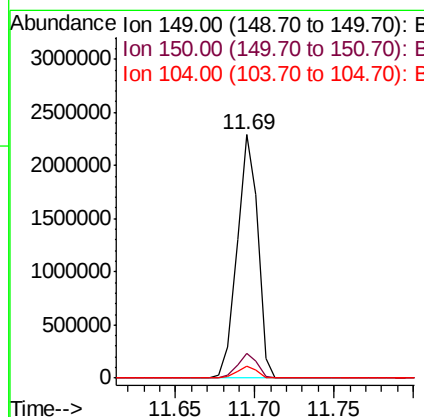
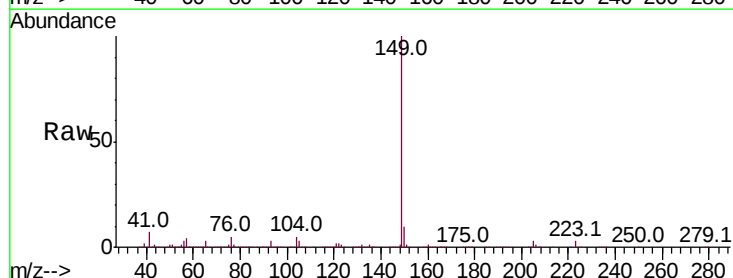
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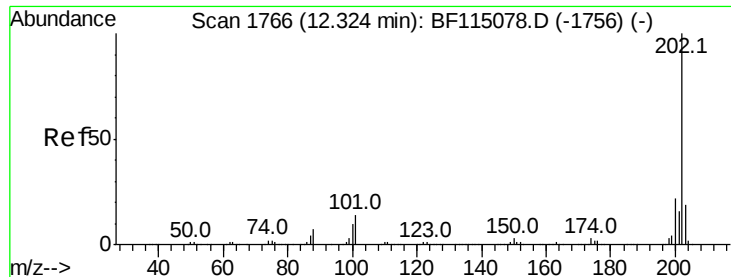
mohammad
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#74
 Di-n-butylphthalate
 Concen: 44.625 ng
 RT: 11.69 min Scan# 1659
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.8	11.8
104	4.9	3.7	5.5





#75

Fluoranthene

Concen: 40.050 ng

RT: 12.32 min Scan# 1766

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion:202 Resp: 1774494

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.0

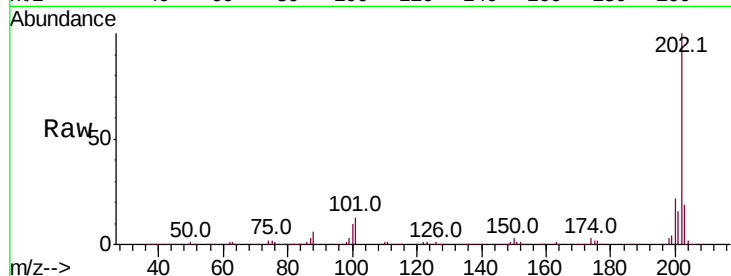
203 18.7 0.0 38.8

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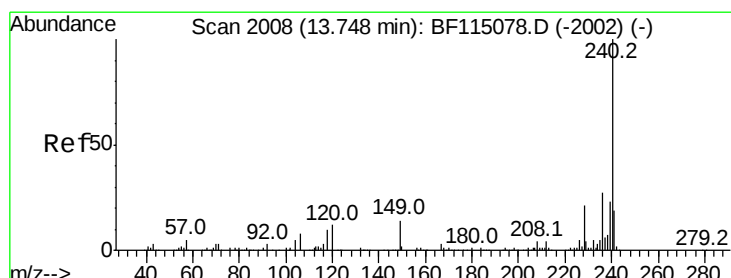
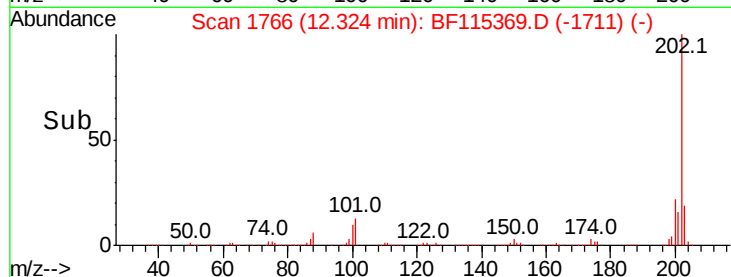
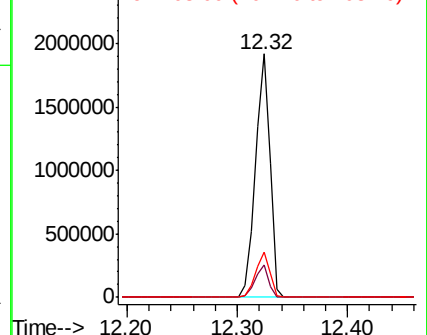


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

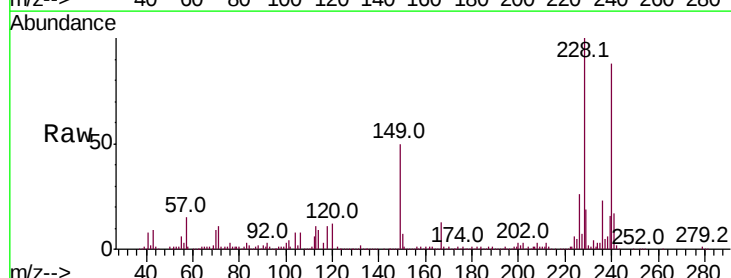
Tgt Ion:240 Resp: 439185

Ion Ratio Lower Upper

240 100

120 13.6 9.4 14.2

236 26.4 21.7 32.5

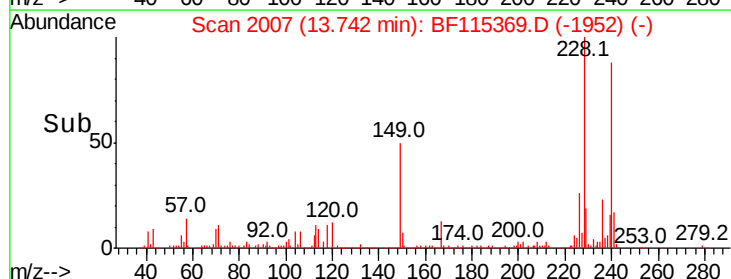
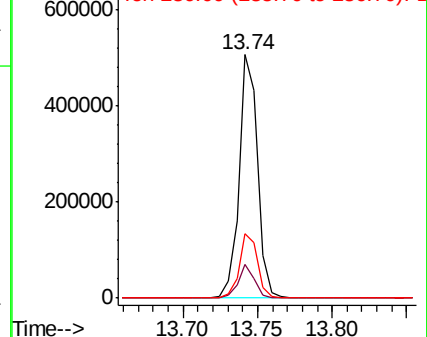


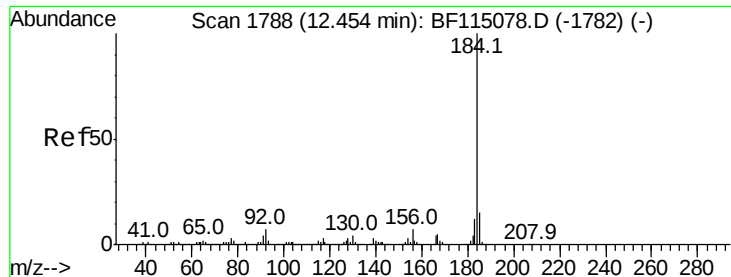
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 15.942 ng

RT: 12.45 min Scan# 1787

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

Instrument :

BNA_F

ClientSampleId :

OK-01-062819MSD

Tot Ion:184 Resp: 310892

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.2

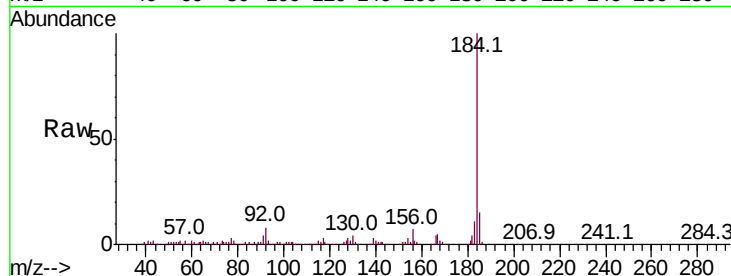
183 11.4 9.6 14.4

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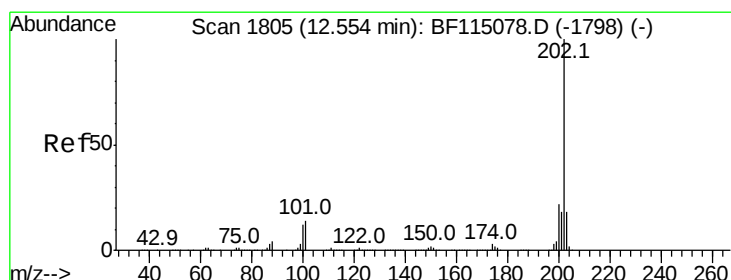
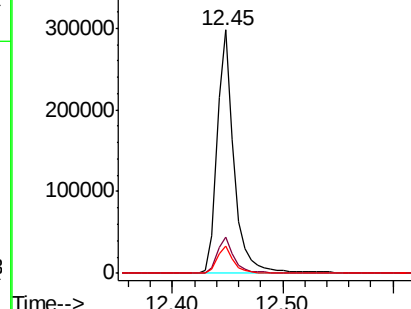
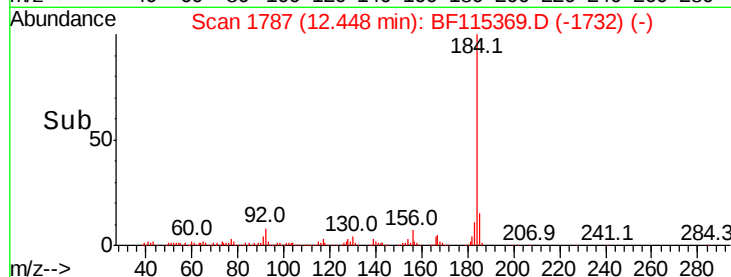
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.850 ng

RT: 12.55 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF115369.D

Acq: 2 Jul 2019 19:35

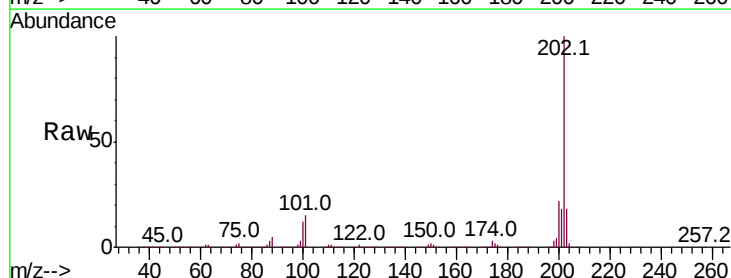
Tgt Ion:202 Resp: 1783771

Ion Ratio Lower Upper

202 100

200 22.4 17.9 26.9

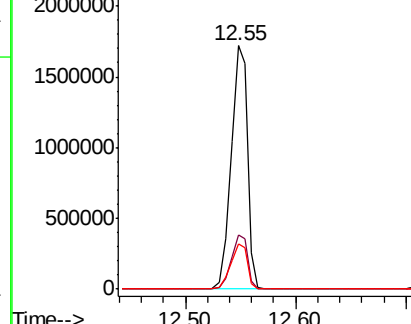
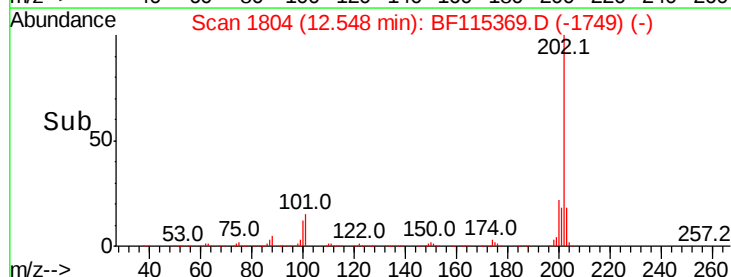
203 18.4 14.6 21.8

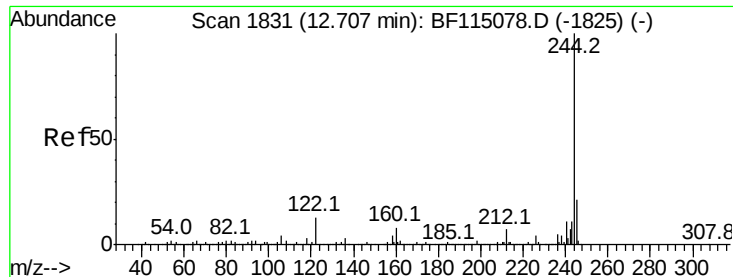


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





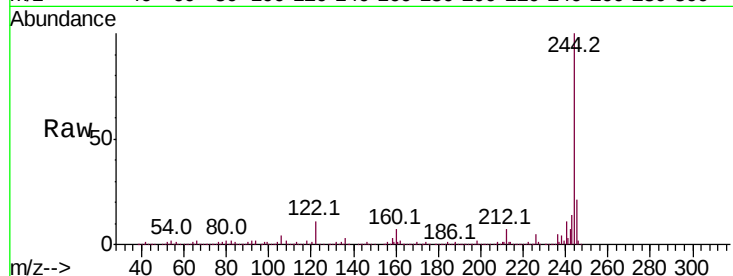
#79
 Terphenyl-d14
 Concen: 113.270 ng
 RT: 12.71 min Scan# 1831
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

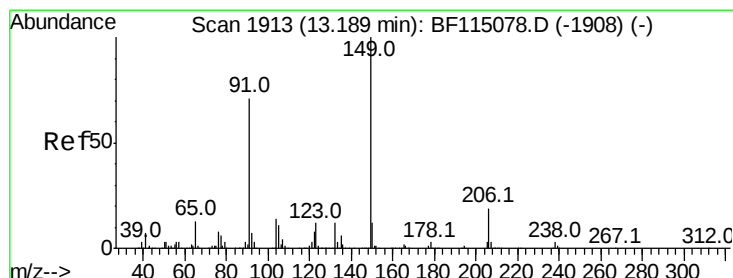
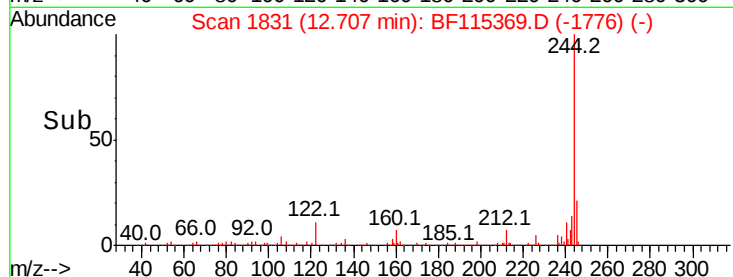
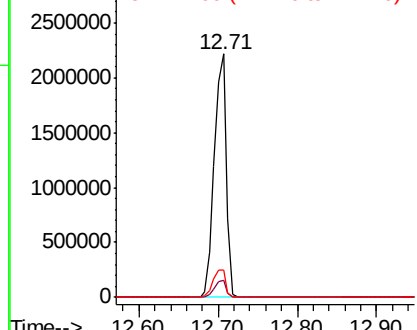
Tot Ion:244 Resp: 2339746
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 11.4 10.4 15.6

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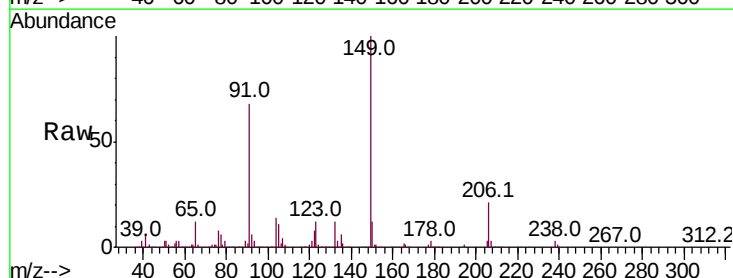


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

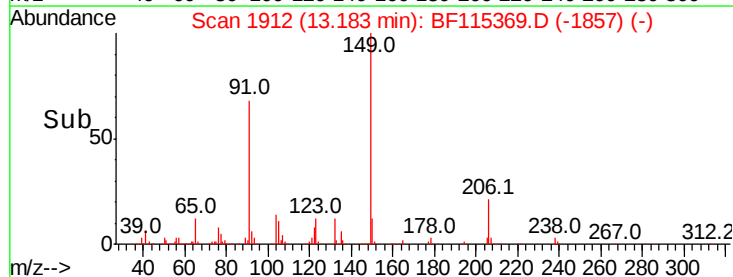
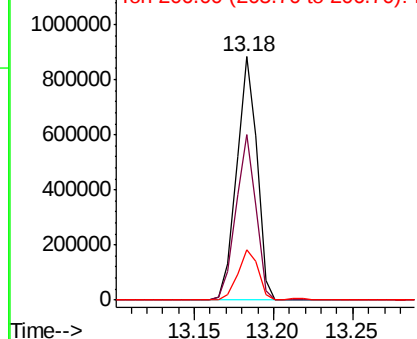


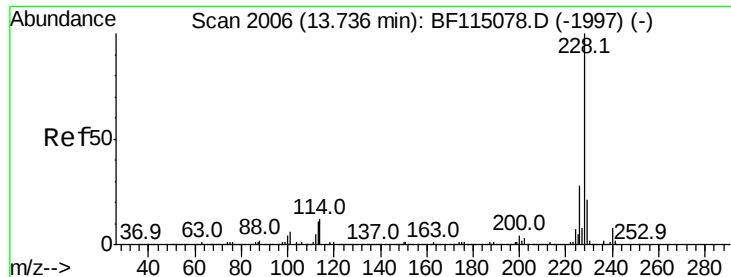
#80
 Butylbenzylphthalate
 Concen: 52.715 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion:149 Resp: 785191
 Ion Ratio Lower Upper
 149 100
 91 67.8 56.5 84.7
 206 20.5 15.3 22.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





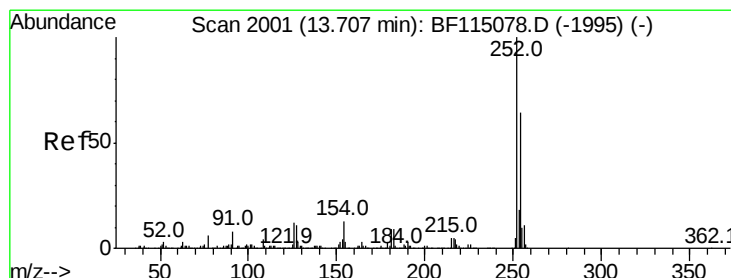
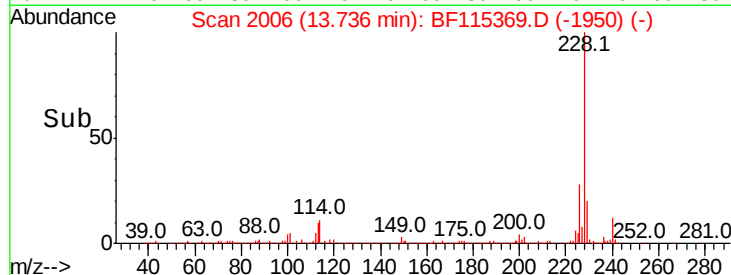
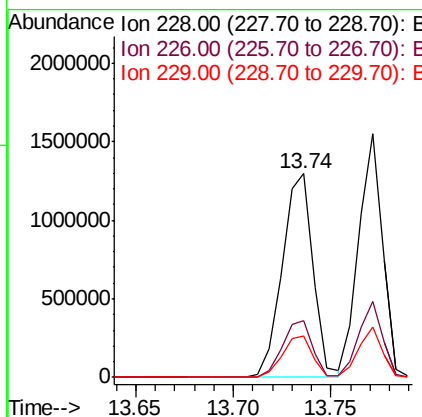
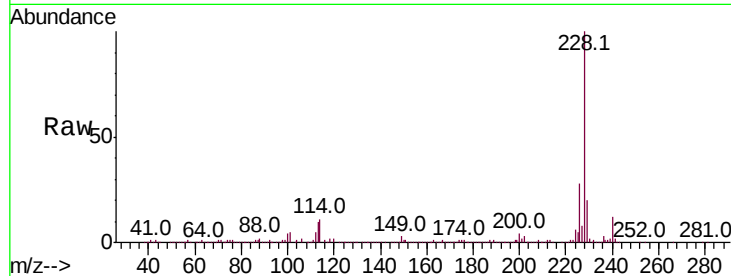
#81
Benzo(a)anthracene
Concen: 44.784 ng
RT: 13.74 min Scan# 2006
Delta R.T. 0.03 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.2	16.6	24.8

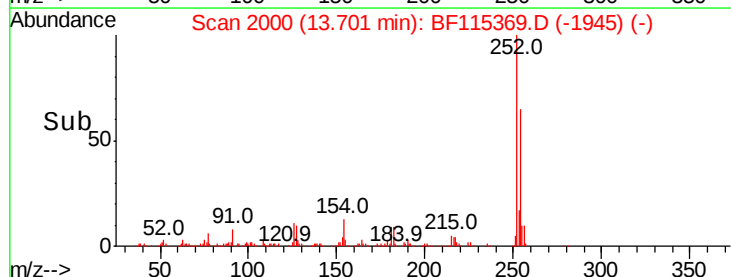
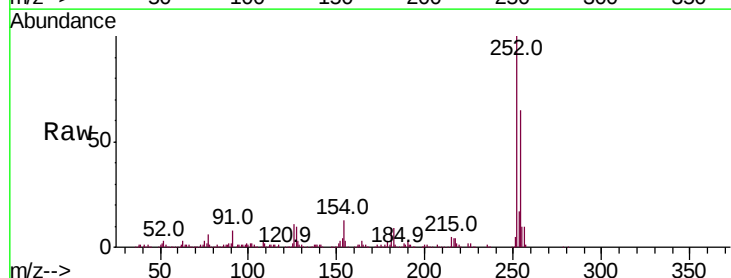
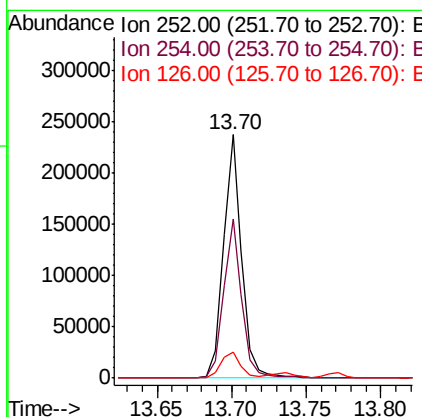
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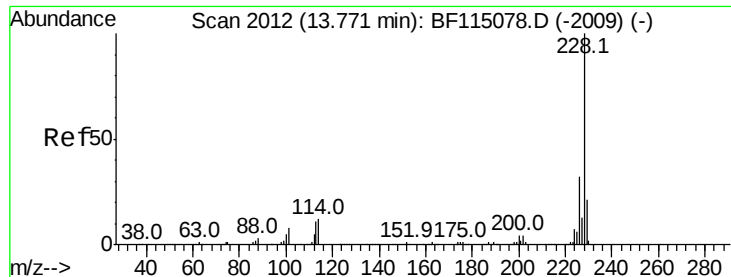
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 18.020 ng
RT: 13.70 min Scan# 2000
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.1	76.7
126	10.7	9.4	14.0





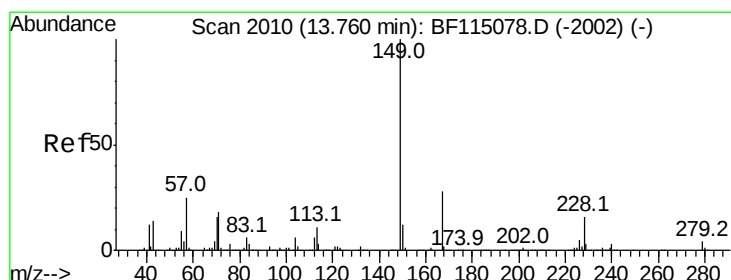
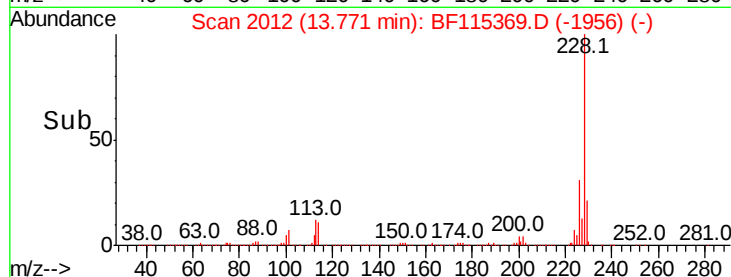
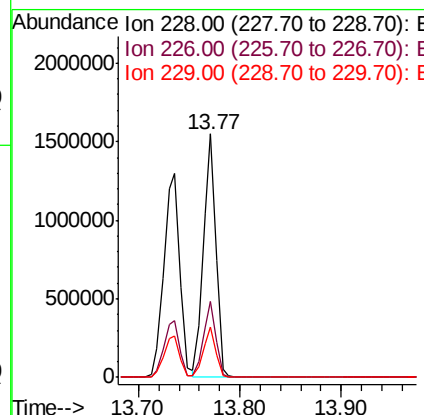
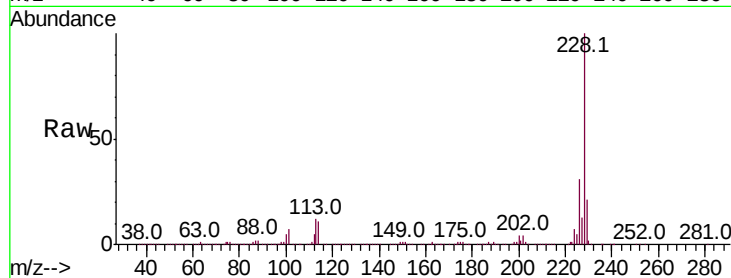
#83
 Chrvsene
 Concen: 45.971 ng
 RT: 13.77 min Scan# 2012
 Delta R.T. 0.03 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819MSD

Tot Ion:228 Resp: 1327017
 Ion Ratio Lower Upper
 228 100
 226 30.9 25.4 38.0
 229 20.7 16.5 24.7

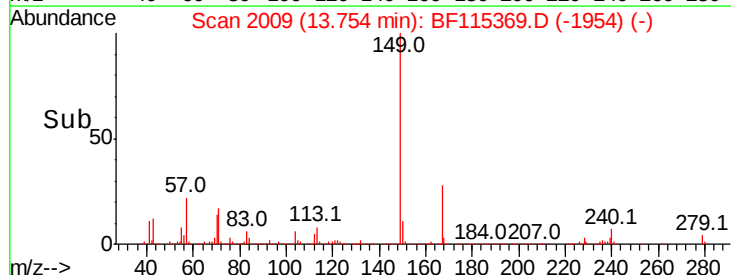
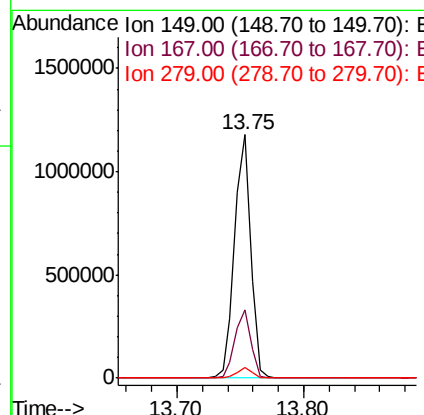
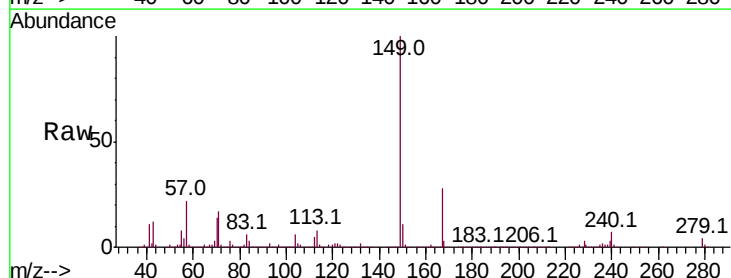
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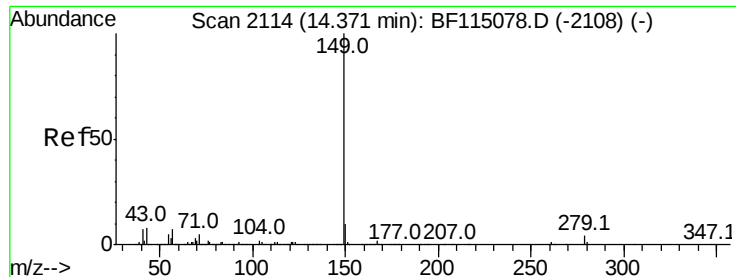
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.246 ng
 RT: 13.75 min Scan# 2009
 Delta R.T. 0.02 min
 Lab File: BF115369.D
 Acq: 2 Jul 2019 19:35

Tgt Ion:149 Resp: 1039209
 Ion Ratio Lower Upper
 149 100
 167 27.9 22.2 33.4
 279 4.4 2.9 4.3#





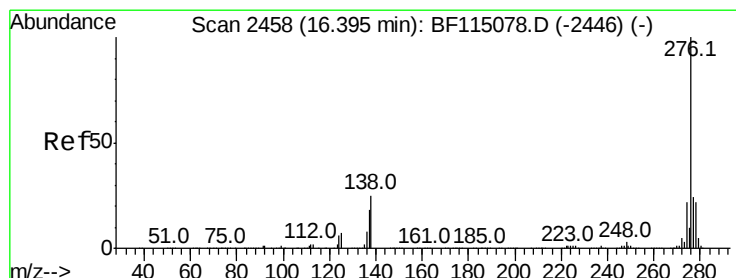
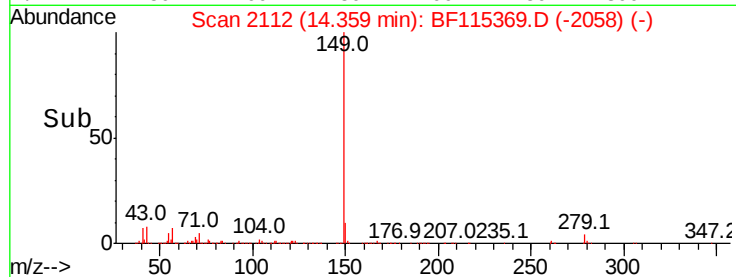
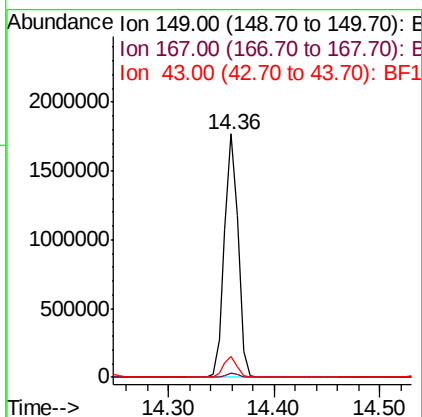
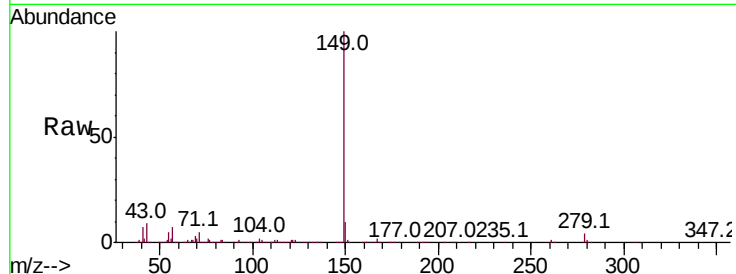
#85
Di-n-octyl phthalate
Concen: 49.011 ng
RT: 14.36 min Scan# 2112
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.4	7.0	10.6

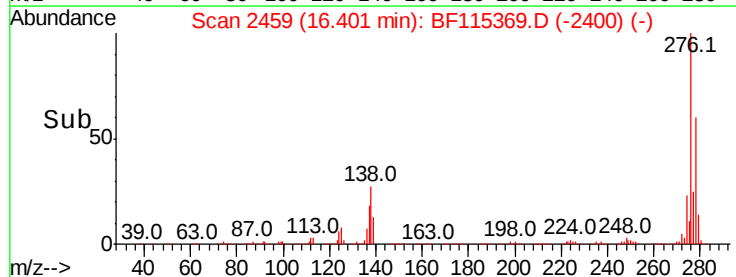
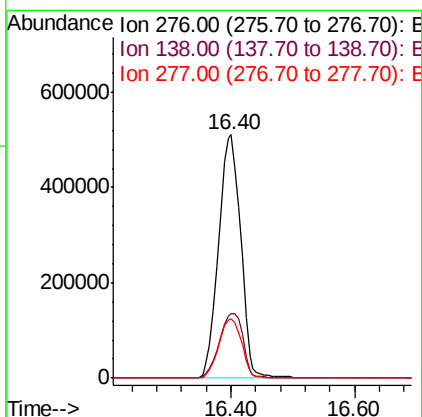
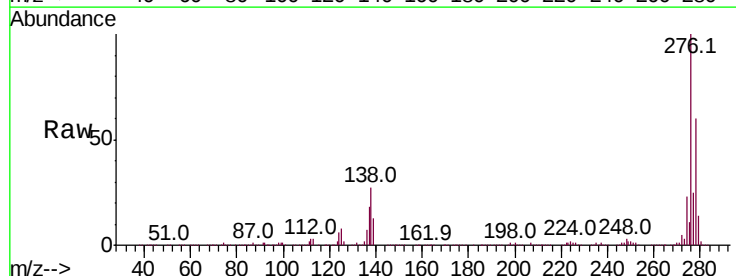
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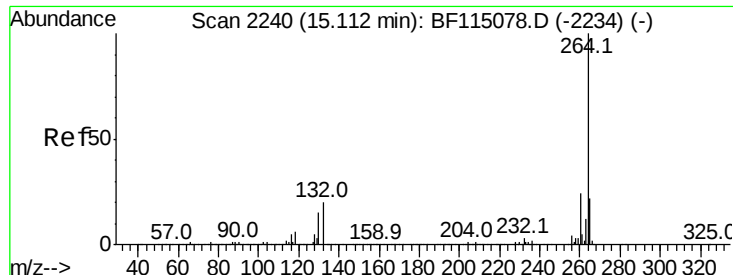
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 37.285 ng
RT: 16.40 min Scan# 2459
Delta R.T. 0.05 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	23.2	34.8
277	25.2	20.1	30.1





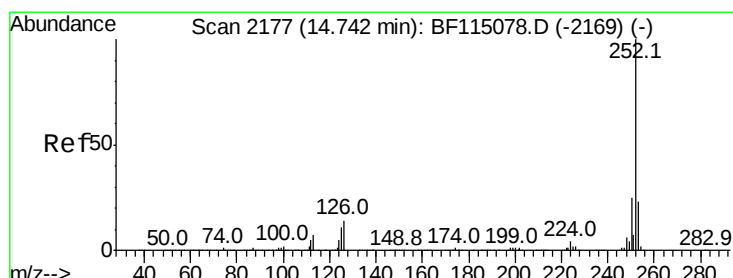
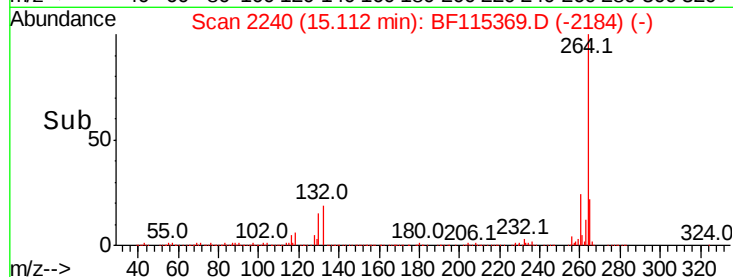
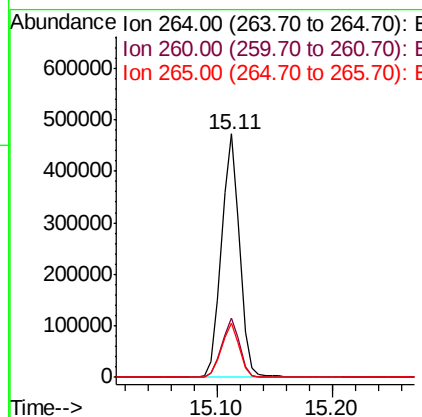
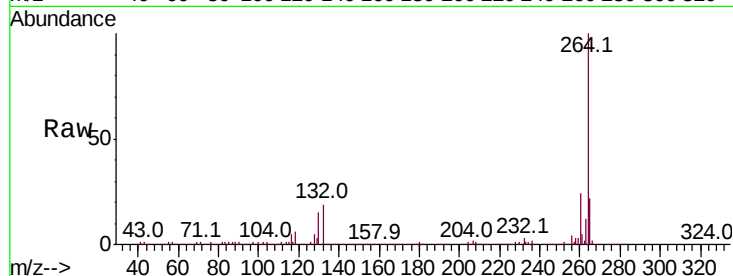
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	22.2	17.3	25.9

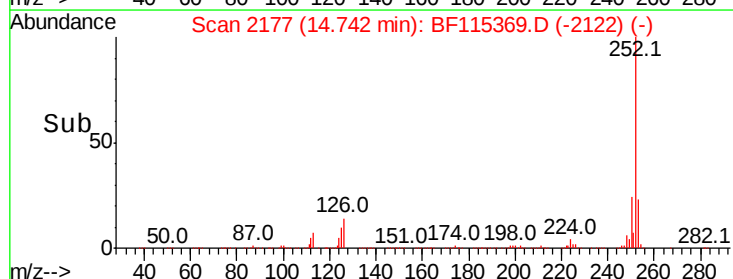
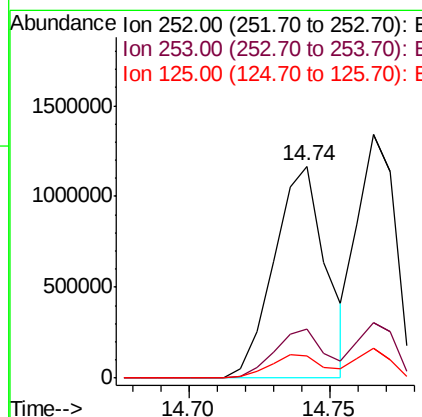
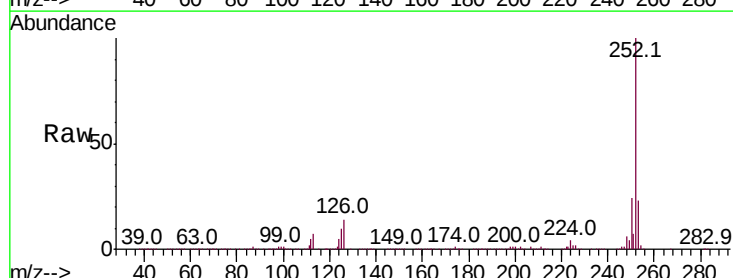
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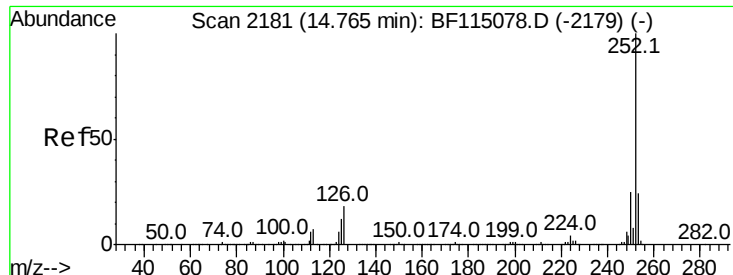
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#88
Benzo(b)fluoranthene
Concen: 46.434 ng
RT: 14.74 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	10.4	8.7	13.1





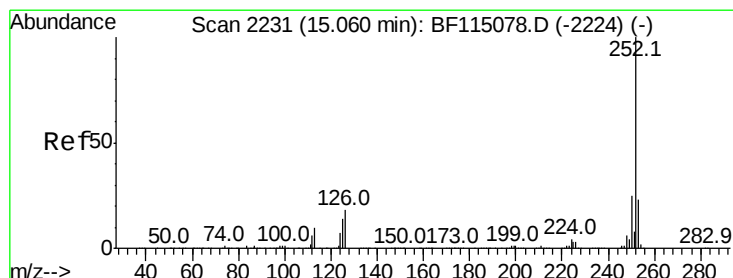
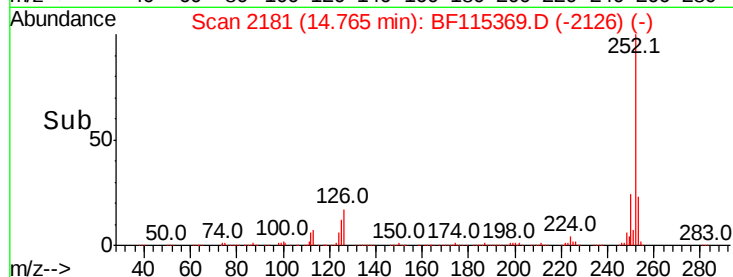
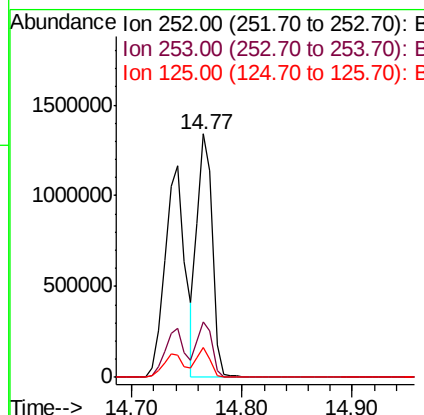
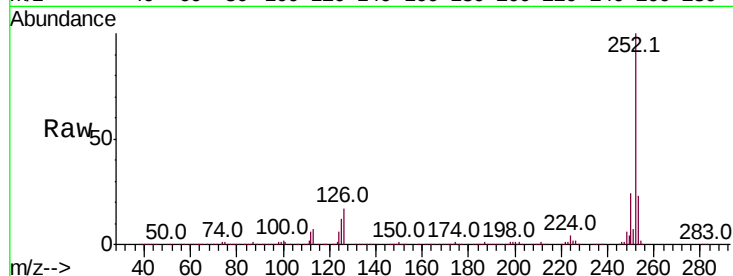
#89
Benzo(k)fluoranthene
Concen: 43.853 ng
RT: 14.77 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	12.0	10.2	15.2

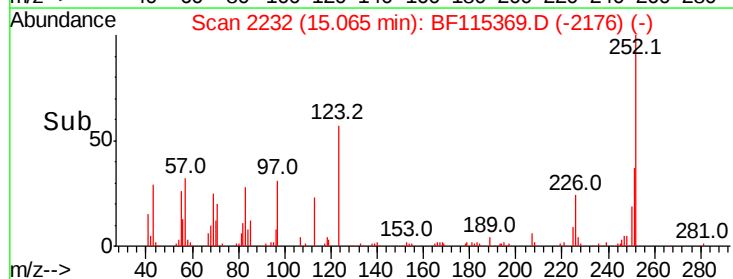
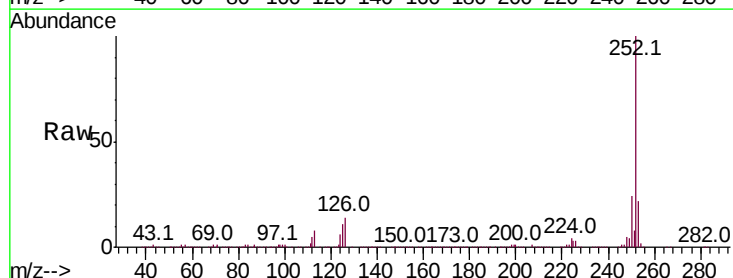
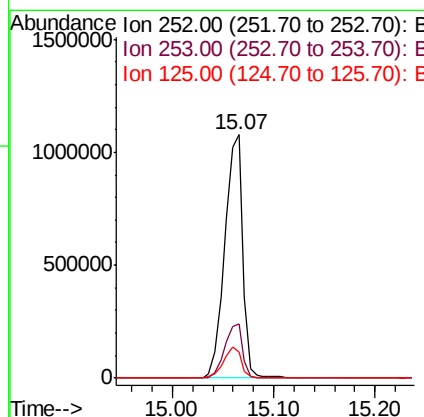
Manual Integrations
APPROVED

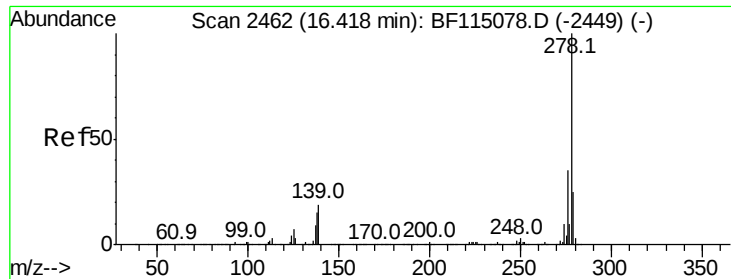
mohammad
7/3/2019 10:51:51 PM



#90
Benzo(a)pyrene
Concen: 45.921 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.03 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.3	27.5
125	10.9	10.9	16.3





#91
Dibenzo(a,h)anthracene
Concen: 39.453 ng
RT: 16.41 min Scan# 2461
Delta R.T. 0.04 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

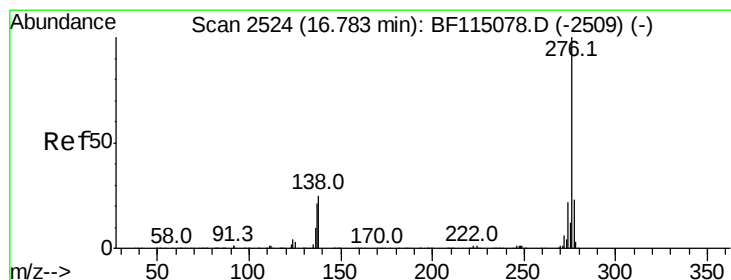
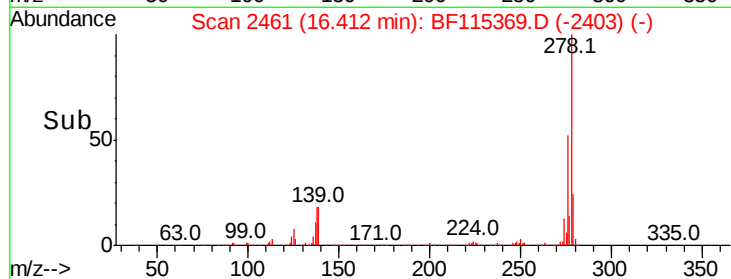
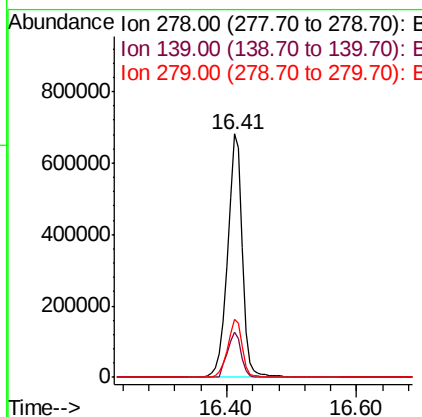
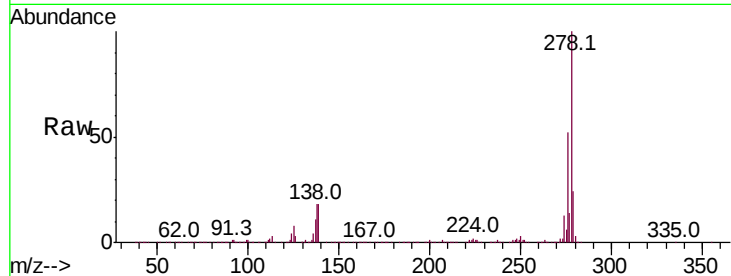
Instrument :
BNA_F
ClientSampleId :
OK-01-062819MSD

Tot Ion:278 Resp: 1063775

Ion	Ratio	Lower	Upper
278	100		
139	18.4	15.4	23.2
279	24.0	19.9	29.9

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:51 PM



#92
Benzo(g,h,i)perylene
Concen: 36.306 ng
RT: 16.78 min Scan# 2523
Delta R.T. 0.04 min
Lab File: BF115369.D
Acq: 2 Jul 2019 19:35

Tgt Ion:276 Resp: 990778

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	25.3	19.8	29.6

