

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
 Data File : BF115338.D
 Acq On : 1 Jul 2019 15:08
 Operator : HP/JU
 Sample : K3158-08MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Manual Integrations
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 7/2/2019 2:53:36 PM

Quant Time: Jul 02 08:50:26 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	6.60	152	253863	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	967993	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	474171	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	912034	20.00	ng	0.01
76) Chrysene-d12	13.73	240	594751	20.00	ng	0.01
87) Perylene-d12	15.11	264	755588	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1659116	100.85	ng	0.04
7) Phenol-d6	6.25	99	1972554	98.79	ng	0.02
23) Nitrobenzene-d5	7.17	82	1393447	88.55	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	637852	127.56	ng	0.01
45) 2-Fluorobiphenyl	8.97	172	2647114	94.83	ng	0.00
79) Terphenyl-d14	12.69	244	2662070	95.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	240549	30.983	ng	# 85
3) Pyridine	3.00	79	593234	27.110	ng	98
4) n-Nitrosodimethylamine	2.92	42	273579	31.891	ng	94
6) Aniline	6.27	93	192916	7.030	ng	# 1
8) 2-Chlorophenol	6.40	128	672720	36.367	ng	96
9) Benzaldehyde	6.15	77	286159	21.967	ng	96
10) Phenol	6.27	94	682075	29.162	ng	92
11) bis(2-Chloroethyl)ether	6.35	93	622619	36.113	ng	99
12) 1,3-Dichlorobenzene	6.54	146	707263	34.451	ng	98
13) 1,4-Dichlorobenzene	6.62	146	719185	34.935	ng	99
14) 1,2-Dichlorobenzene	6.77	146	666083	34.939	ng	99
15) Benzyl Alcohol	6.75	79	539475	37.104	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.89	45	869703	34.780	ng	97
17) 2-Methylphenol	6.87	107	559682	36.656	ng	97
18) Hexachloroethane	7.11	117	254636	34.310	ng	97
19) n-Nitroso-di-n-propylamine	7.03	70	439426	34.375	ng	99
20) 3+4-Methylphenols	7.02	107	659758	37.421	ng	# 78
22) Acetophenone	7.01	105	932224	42.067	ng	# 94
24) Nitrobenzene	7.18	77	695789	40.136	ng	99
25) Isophorone	7.43	82	1258497	39.041	ng	99
26) 2-Nitrophenol	7.50	139	393034	45.909	ng	98
27) 2,4-Dimethylphenol	7.55	122	614547	43.842	ng	100
28) bis(2-Chloroethoxy)methane	7.64	93	819135	40.205	ng	100
29) 2,4-Dichlorophenol	7.75	162	604583	41.795	ng	98
30) 1,2,4-Trichlorobenzene	7.83	180	642543	40.213	ng	99
31) Naphthalene	7.91	128	1958767	41.223	ng	99
32) Benzoic acid	7.66	122	190442	19.034	ng	98
33) 4-Chloroaniline	7.95	127	111309	5.126	ng	98
34) Hexachlorobutadiene	8.03	225	350557	40.035	ng	99
35) Caprolactam	8.33	113	165366m	34.002	ng	
36) 4-Chloro-3-methylphenol	8.45	107	604010	41.230	ng	97
37) 2-Methylnaphthalene	8.60	142	1371727	42.816	ng	99
38) 1-Methylnaphthalene	8.70	142	1281974	41.897	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	587823	43.870	ng	99

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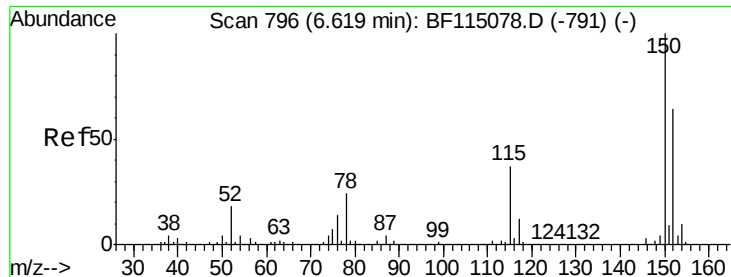
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	624256	78.569	nq	100
43) 2,4,6-Trichlorophenol	8.88	196	446953	43.206	nq	98
44) 2,4,5-Trichlorophenol	8.92	196	462599	43.424	nq	99
46) 1,1'-Biphenyl	9.06	154	1615712	42.586	nq	99
47) 2-Chloronaphthalene	9.08	162	1260365	40.953	nq	98
48) 2-Nitroaniline	9.18	65	367257	40.932	nq	93
49) Acenaphthylene	9.49	152	2006262	41.841	nq	99
50) Dimethylphthalate	9.37	163	1454786	41.701	nq	99
51) 2,6-Dinitrotoluene	9.42	165	342445	42.518	nq	92
52) Acenaphthene	9.67	154	1169676	38.984	nq	99
53) 3-Nitroaniline	9.58	138	131465	13.376	nq	95
54) 2,4-Dinitrophenol	9.69	184	103510	30.027	nq	97
55) Dibenzofuran	9.84	168	1724051	40.034	nq	99
56) 4-Nitrophenol	9.76	139	556530	70.629	nq	97
57) 2,4-Dinitrotoluene	9.82	165	446373	42.923	nq	# 91
58) Fluorene	10.18	166	1250239	43.366	nq	98
59) 2,3,4,6-Tetrachlorophenol	9.96	232	378311	42.351	nq	98
60) Diethylphthalate	10.07	149	1402858	40.005	nq	99
61) 4-Chlorophenyl-phenylether	10.17	204	598207	43.709	nq	96
62) 4-Nitroaniline	10.19	138	373094	37.839	nq	96
63) Azobenzene	10.34	77	1293146	39.480	nq	99
65) 4,6-Dinitro-2-methylphenol	10.23	198	119341	27.011	nq	86
66) n-Nitrosodiphenylamine	10.29	169	1197455	42.143	nq	99
67) 4-Bromophenyl-phenylether	10.66	248	415886	42.058	nq	97
68) Hexachlorobenzene	10.72	284	451224	42.040	nq	93
69) Atrazine	10.82	200	367886	40.249	nq	98
70) Pentachlorophenol	10.92	266	473020	69.177	nq	96
71) Phenanthrene	11.13	178	1954331	39.799	nq	100
72) Anthracene	11.18	178	1977308	39.891	nq	99
73) Carbazole	11.34	167	1815095	41.007	nq	99
74) Di-n-butylphthalate	11.68	149	2103695	41.130	nq	99
75) Fluoranthene	12.31	202	1994429	40.707	nq	99
77) Benzidine	12.44	184	618386	23.415	nq	# 95
78) Pyrene	12.54	202	2032469	44.467	nq	99
80) Butylbenzylphthalate	13.17	149	928175	46.015	nq	90
81) Benzo(a)anthracene	13.72	228	1842272	43.169	nq	100
82) 3,3'-Dichlorobenzidine	13.68	252	280056	18.173	nq	100
83) Chrysene	13.76	228	1764240	45.131	nq	99
84) Bis(2-ethylhexyl)phthalate	13.74	149	1182402	44.737	nq	100
85) Di-n-octyl phthalate	14.35	149	2124309	47.837	nq	99
86) Indeno(1,2,3-cd)pyrene	16.39	276	1889147	40.840	nq	98
88) Benzo(b)fluoranthene	14.74	252	1981469	42.028	nq	99
89) Benzo(k)fluoranthene	14.77	252	1704166m	40.306	nq	
90) Benzo(a)pyrene	15.05	252	1820228	42.835	nq	100
91) Dibenzo(a,h)anthracene	16.41	278	1550464	39.083	nq	98
92) Benzo(g,h,i)perylene	16.77	276	1562875	38.925	nq	99

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



#1

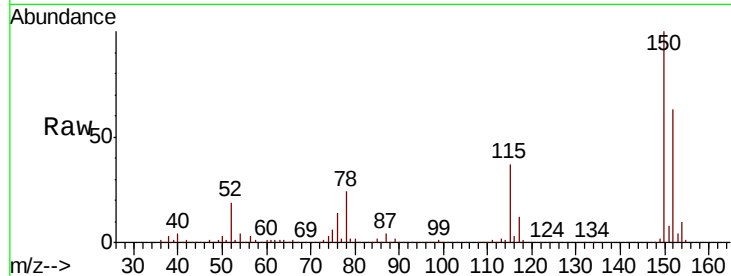
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.2	186.2
115	59.1	46.1	69.1

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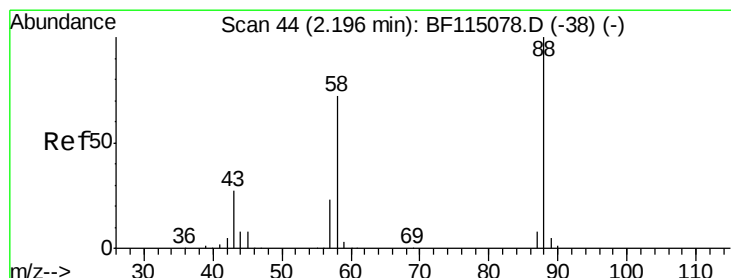
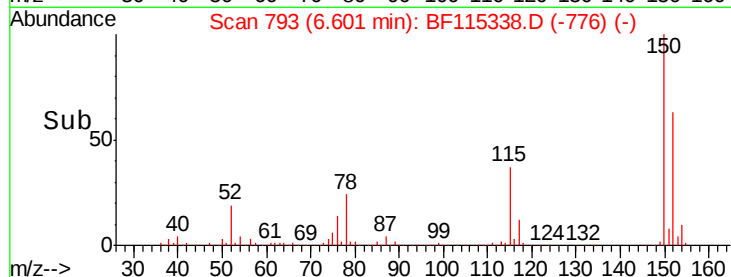
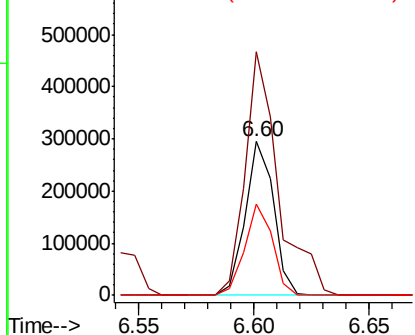


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

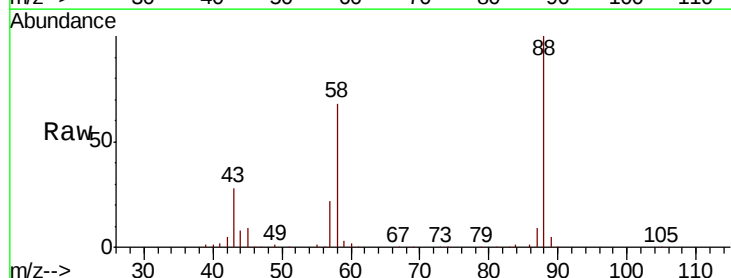
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 30.983 ng
RT: 2.38 min Scan# 76
Delta R.T. 0.23 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.4	56.1	84.1
43	0.0	21.3	31.9#

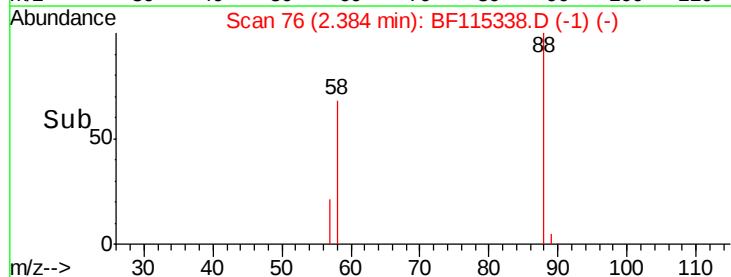
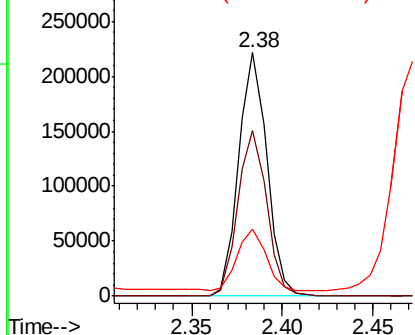


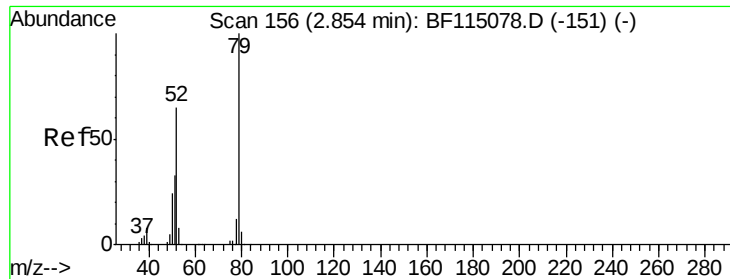
Abundance

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: 27.110 ng

RT: 3.00 min Scan# 181

Delta R.T. 0.20 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

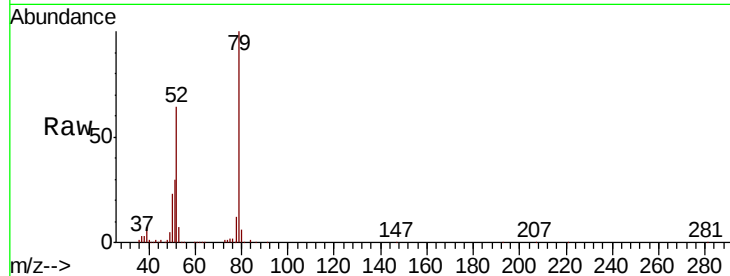
ClientSampleId :

OK-02-062719MSD

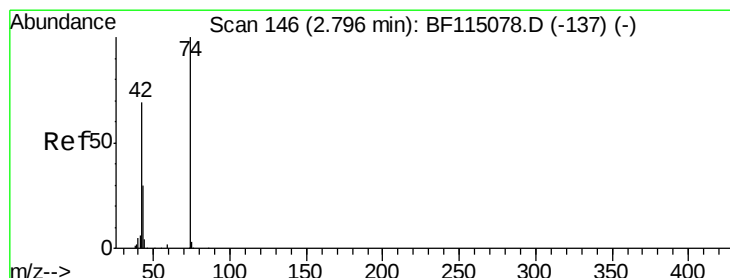
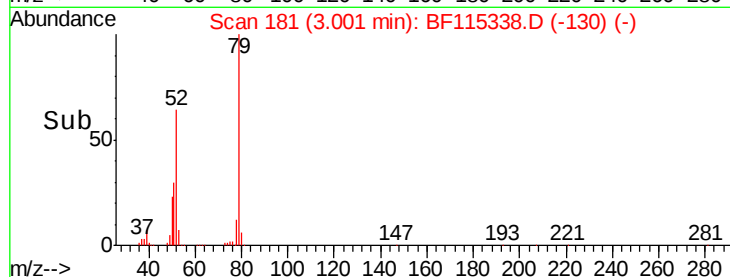
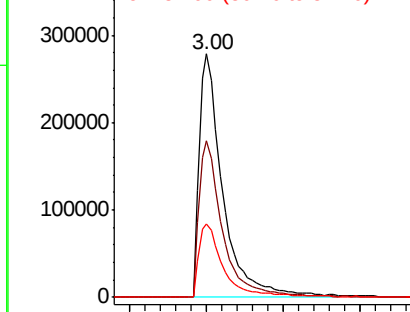
Tot Ion:	79	Resp:	593234
Ion Ratio	Lower	Upper	
79	100		
52	64.2	52.3	78.5
51	30.2	26.1	39.1

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 31.891 ng

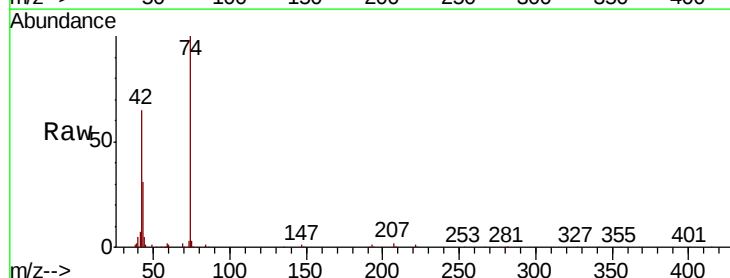
RT: 2.92 min Scan# 167

Delta R.T. 0.17 min

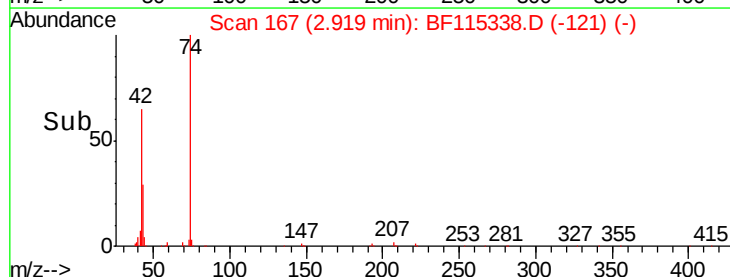
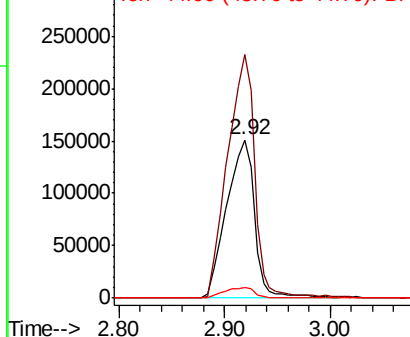
Lab File: BF115338.D

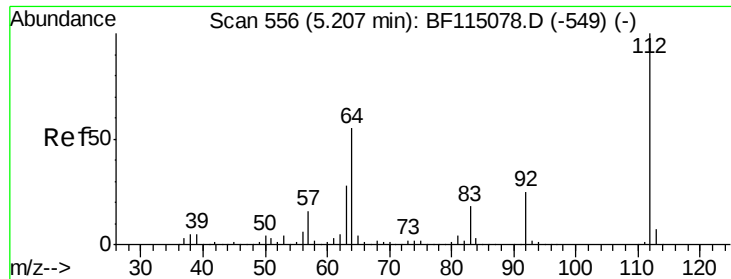
Acq: 1 Jul 2019 15:08

Tgt Ion:	42	Resp:	273579
Ion Ratio	Lower	Upper	
42	100		
74	153.7	116.6	175.0
44	7.0	5.3	7.9



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 100.853 ng

RT: 5.22 min Scan# 559

Delta R.T. 0.04 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:112 Resp: 1659116

Ion Ratio Lower Upper

112 100

64 53.7 43.8 65.6

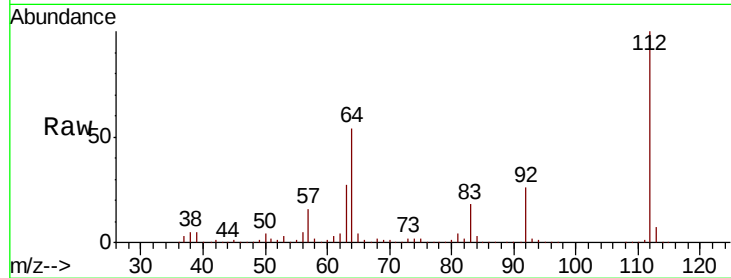
63 27.2 22.2 33.4

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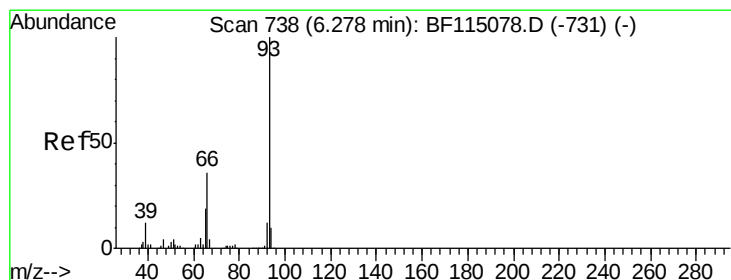
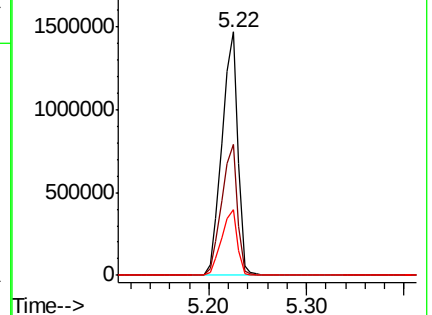
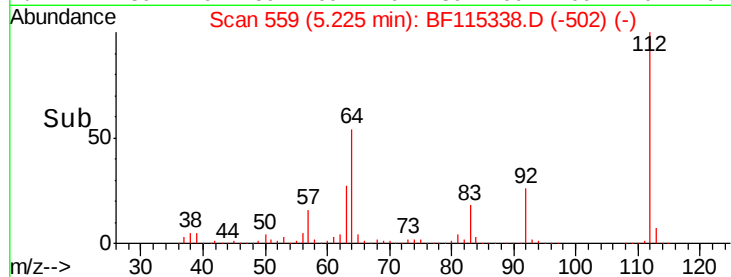
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.030 ng

RT: 6.27 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

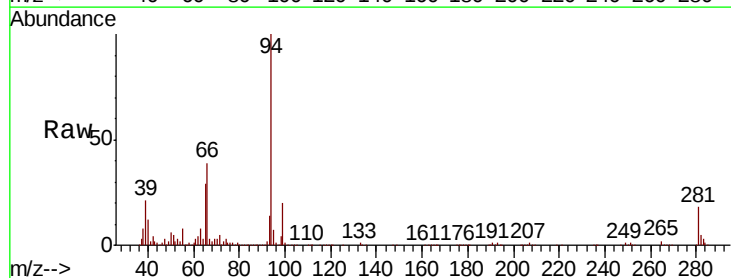
Tgt Ion: 93 Resp: 192916

Ion Ratio Lower Upper

93 100

66 278.4 30.0 45.0#

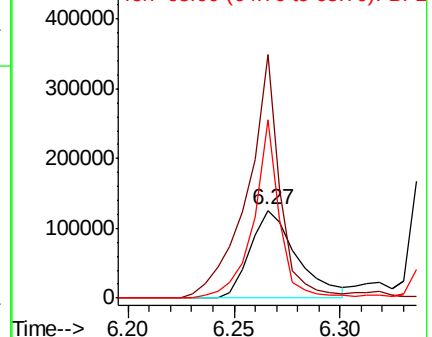
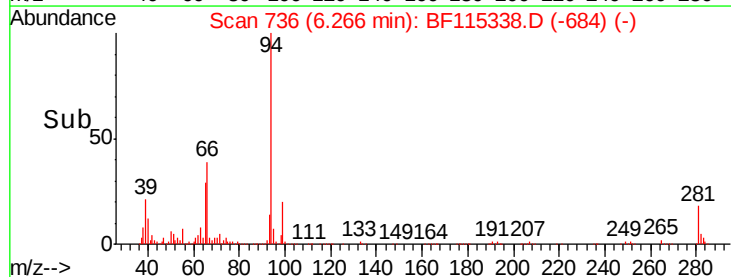
65 203.3 15.6 23.4#

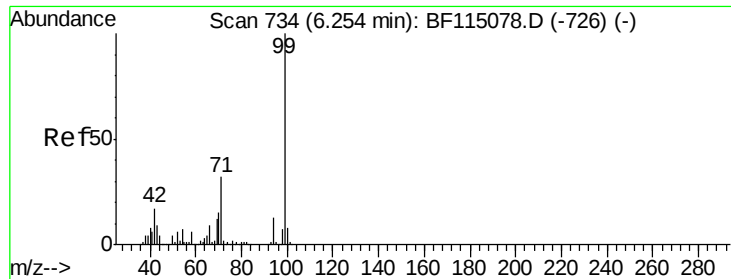


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 98.790 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion: 99 Resp: 1972554

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

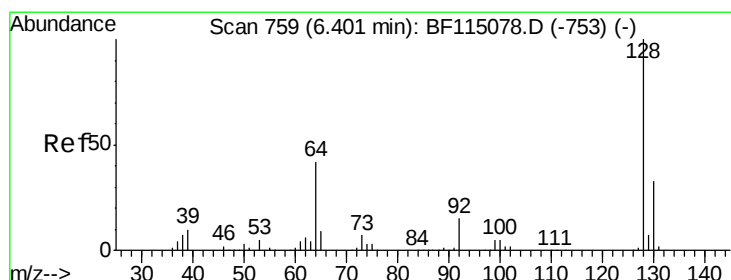
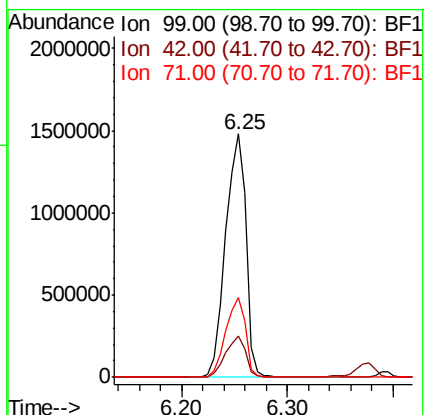
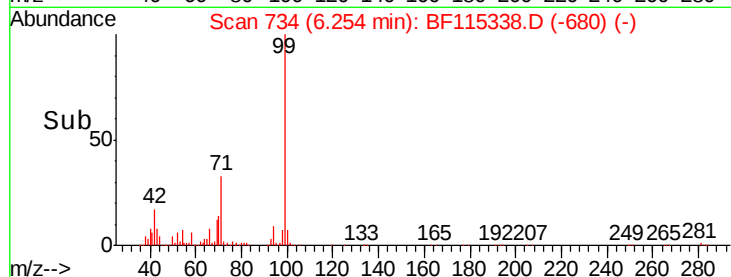
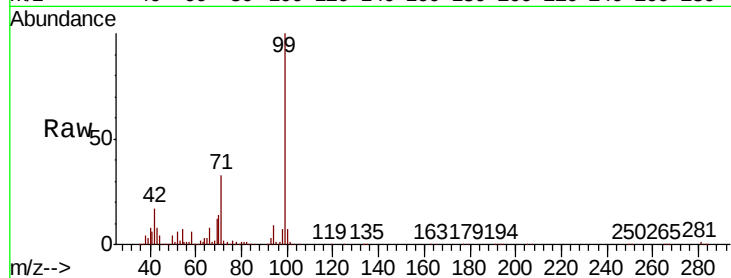
71 32.7 25.5 38.3

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#8

2-Chlorophenol

Concen: 36.367 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

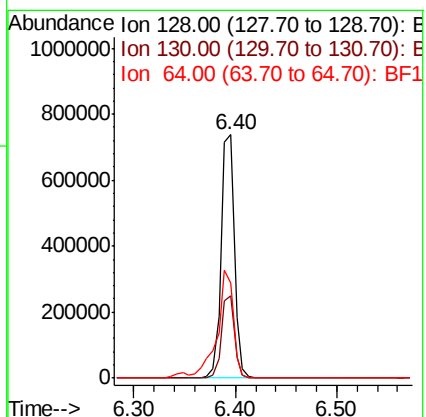
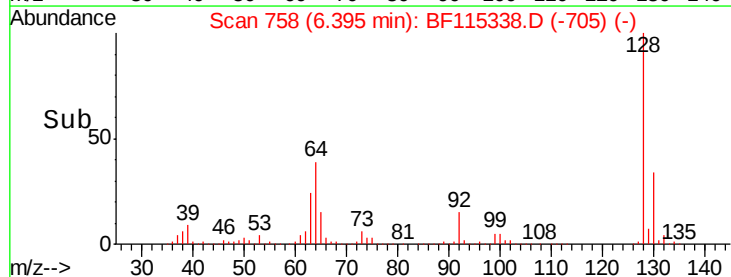
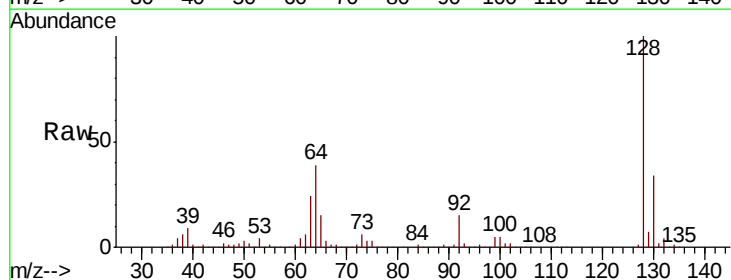
Tgt Ion: 128 Resp: 672720

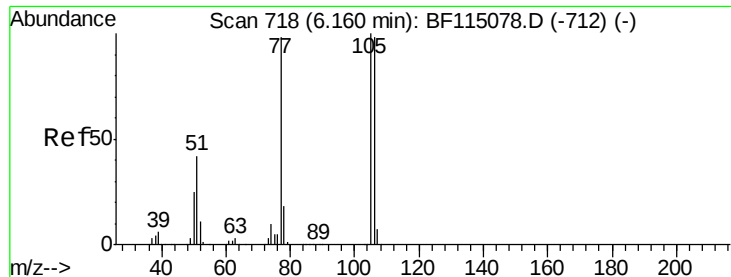
Ion Ratio Lower Upper

128 100

130 33.7 12.9 52.9

64 39.0 22.9 62.9





#9

Benzaldehyde

Concen: 21.967 ng

RT: 6.15 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

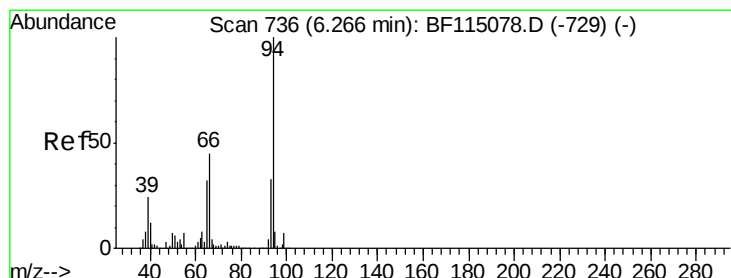
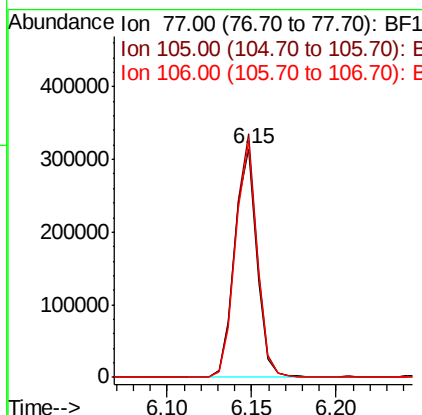
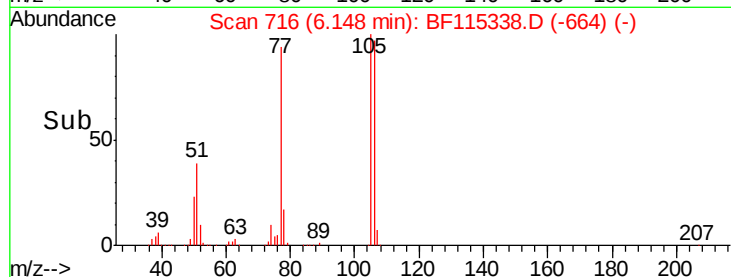
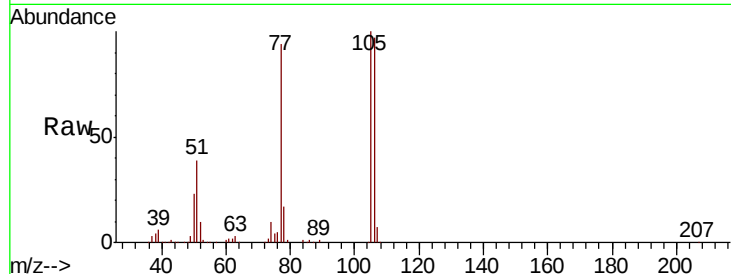
ClientSampleId :

OK-02-062719MSD

Tot Ion:	77	Resp:	286159
Ion Ratio	Lower	Upper	
77	100		
105	106.5	81.5	121.5
106	103.0	79.7	119.7

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#10

Phenol

Concen: 29.162 ng

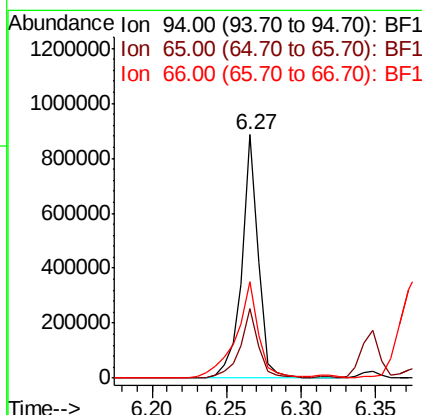
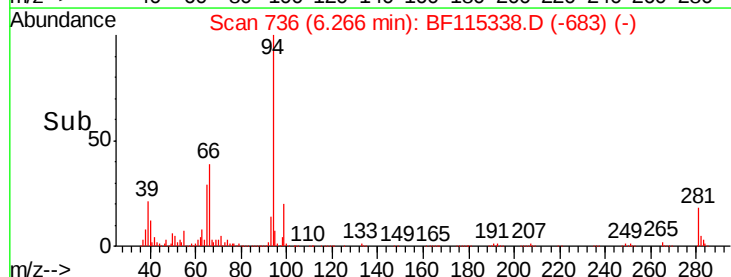
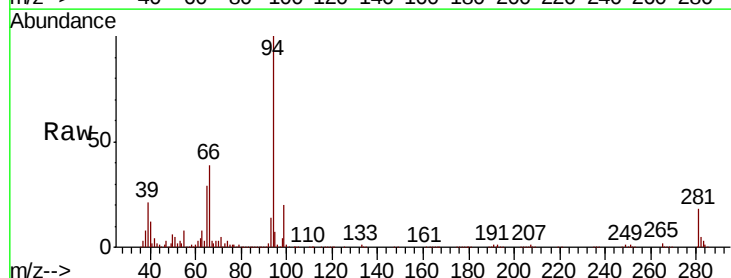
RT: 6.27 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:	94	Resp:	682075
Ion Ratio	Lower	Upper	
94	100		
65	28.8	11.9	51.9
66	39.4	25.2	65.2





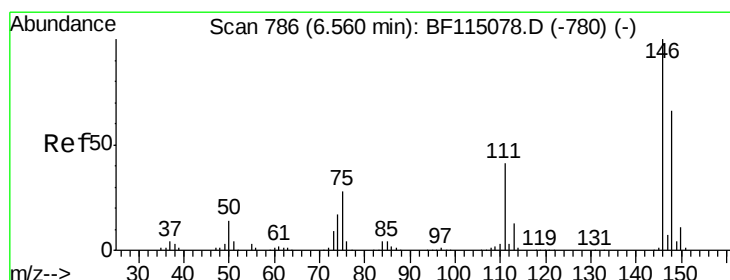
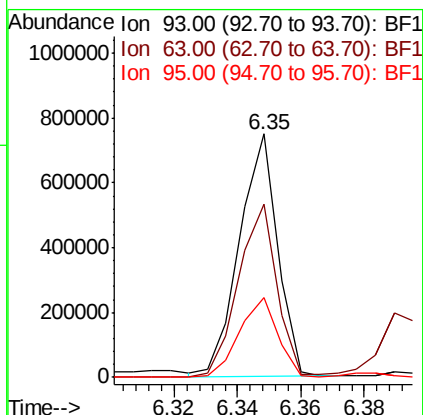
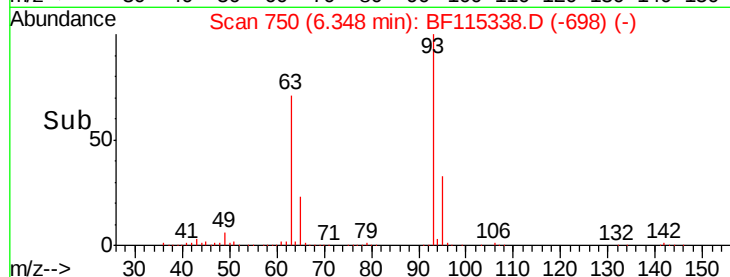
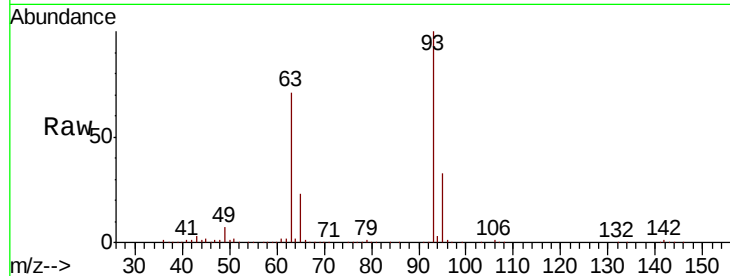
#11
bis(2-Chloroethyl)ether
Concen: 36.113 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.5	91.5
95	32.6	13.4	53.4

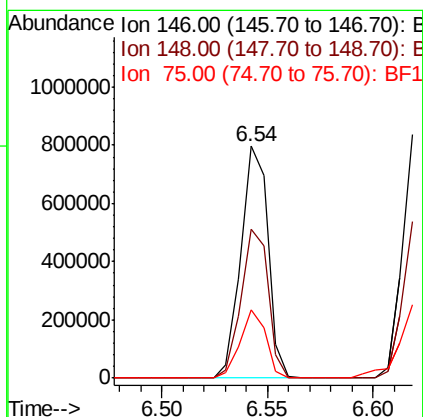
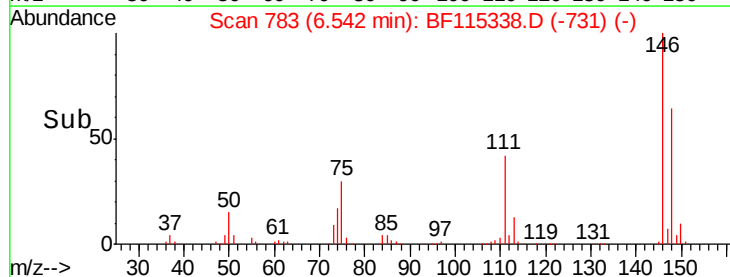
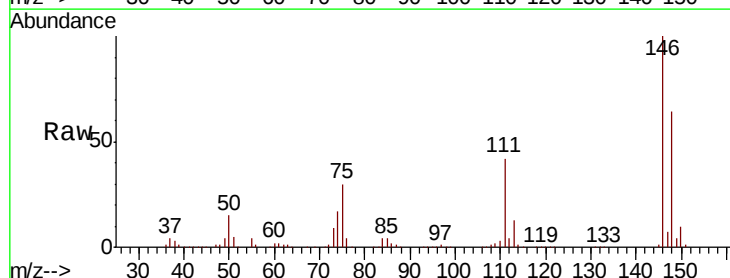
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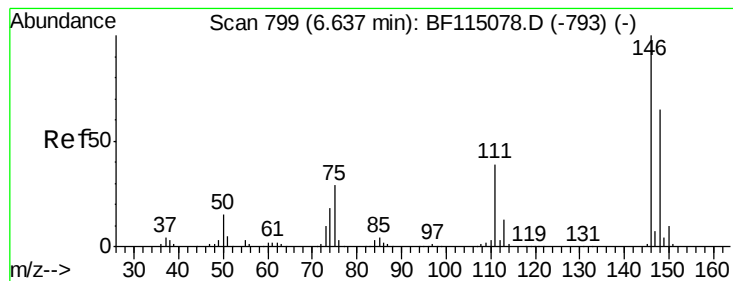
mohammad
7/2/2019 2:53:36 PM



#12
1,3-Dichlorobenzene
Concen: 34.451 ng
RT: 6.54 min Scan# 783
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.6	78.8
75	29.7	22.6	34.0





#13

1,4-Dichlorobenzene

Concen: 34.935 ng

RT: 6.62 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

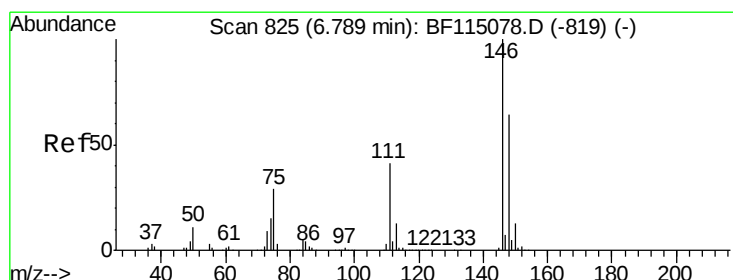
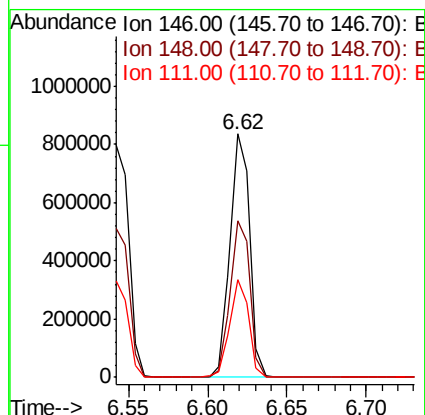
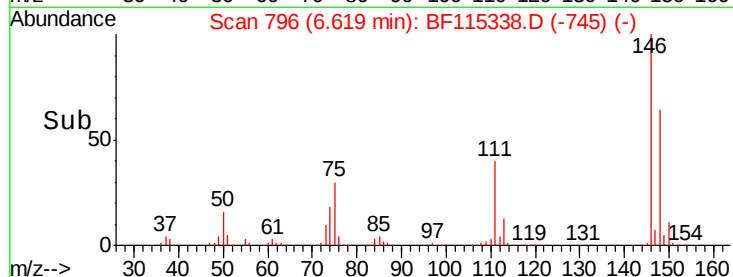
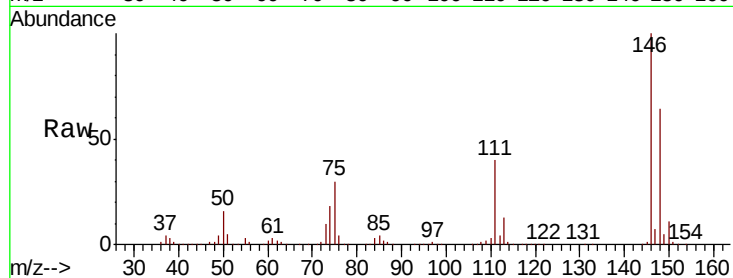
ClientSampleId :

OK-02-062719MSD

Tot Ion:	146	Resp:	719185
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.9	77.9
111	40.1	31.4	47.0

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 34.939 ng

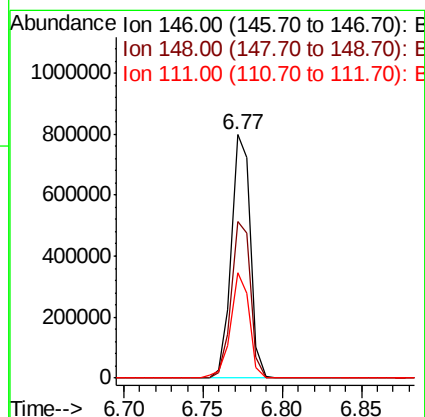
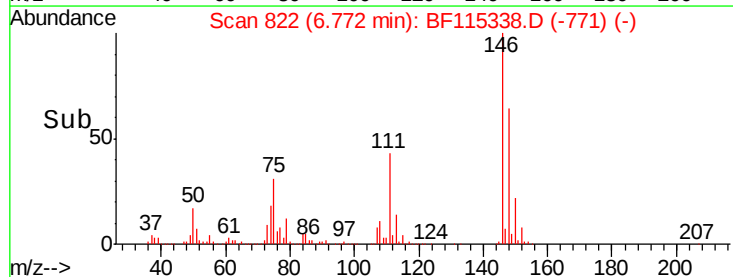
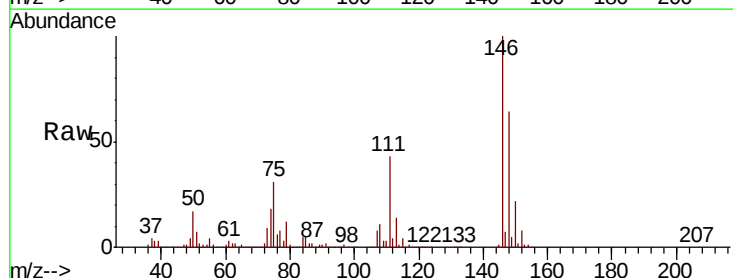
RT: 6.77 min Scan# 822

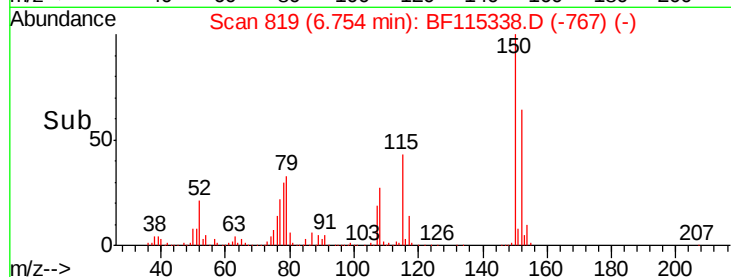
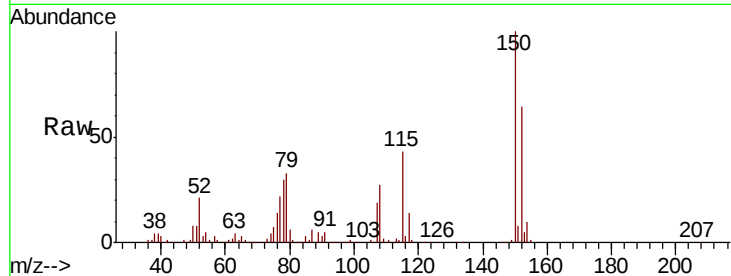
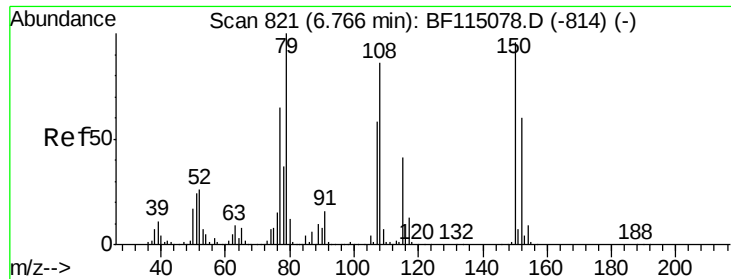
Delta R.T. -0.00 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:	146	Resp:	666083
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.1	76.7
111	43.1	33.2	49.8





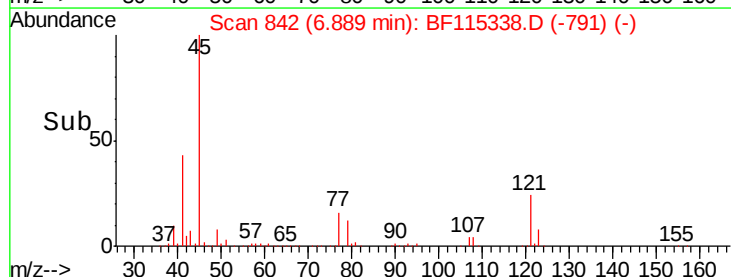
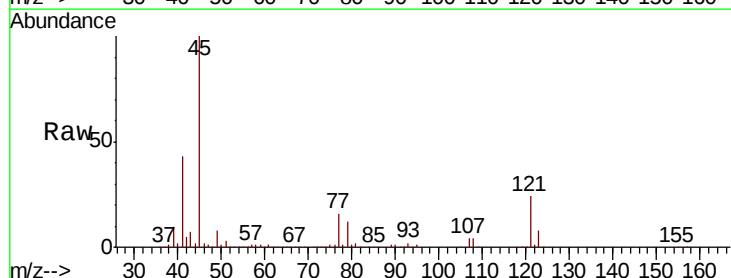
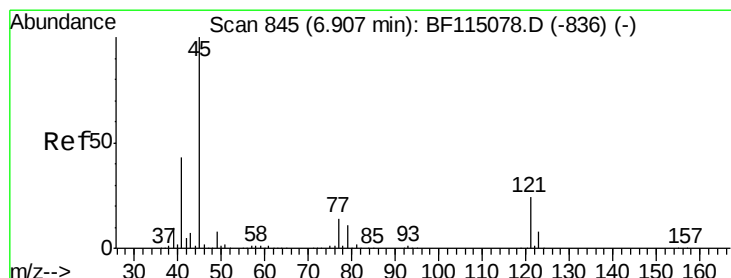
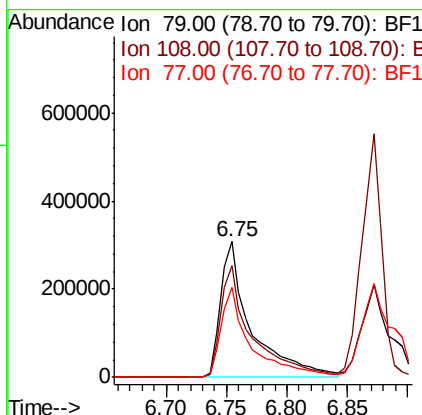
#15
Benzyl Alcohol
Concen: 37.104 ng
RT: 6.75 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tot Ion	Ratio	Lower	Upper
79	100		
108	82.4	68.7	103.1
77	65.8	51.7	77.5

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

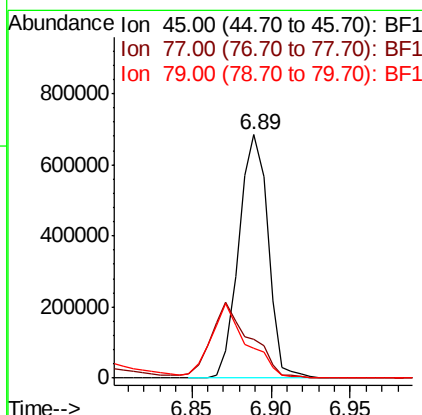
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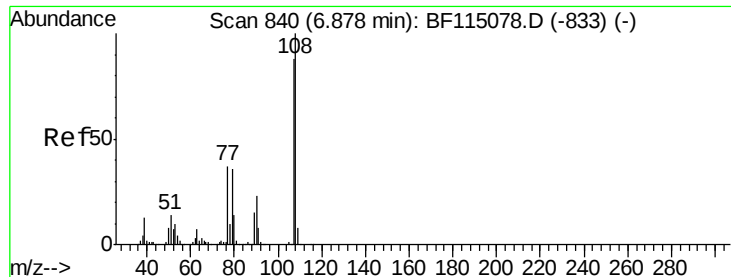
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.780 ng
RT: 6.89 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	34.6
79	12.5	0.0	31.2





#17

2-Methylphenol

Concen: 36.656 ng

RT: 6.87 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

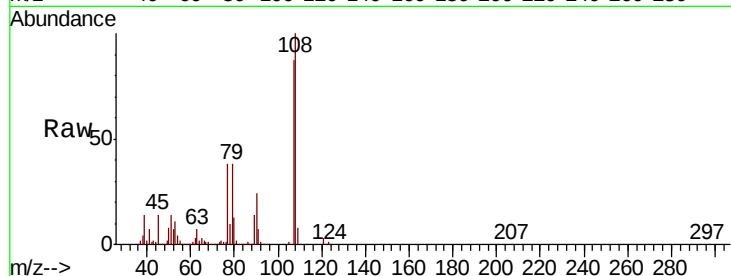
ClientSampleId :

OK-02-062719MSD

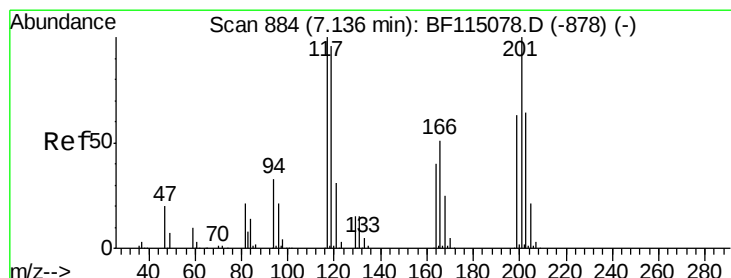
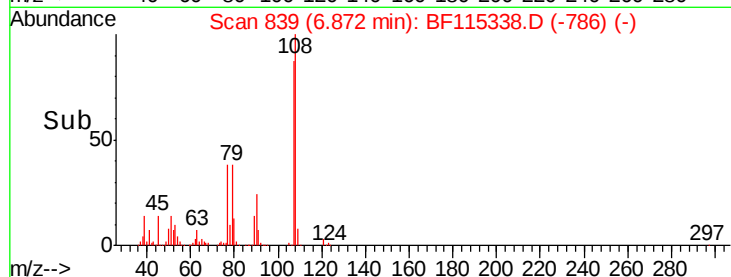
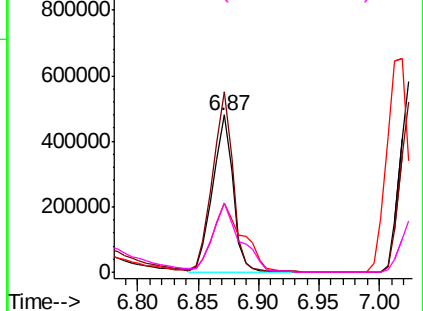
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.2	90.9	136.3	
77	44.3	33.4	50.2	
79	43.7	32.3	48.5	

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 34.310 ng

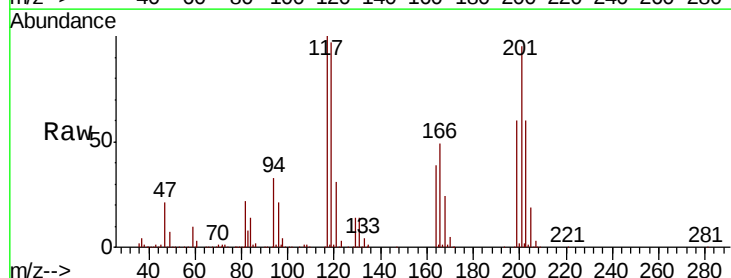
RT: 7.11 min Scan# 880

Delta R.T. -0.00 min

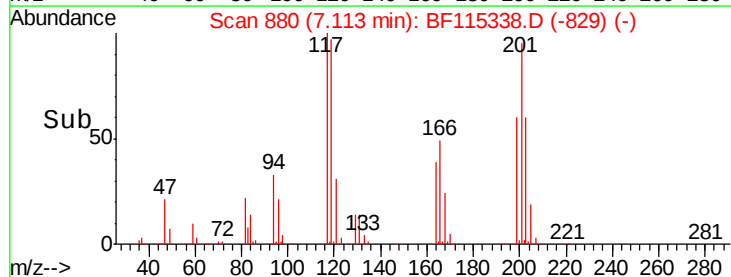
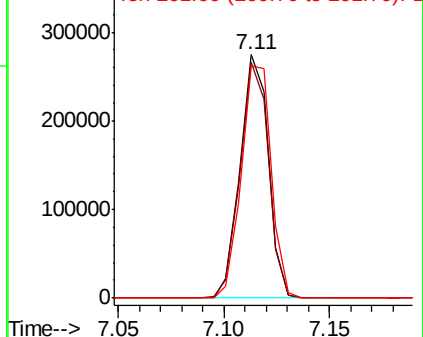
Lab File: BF115338.D

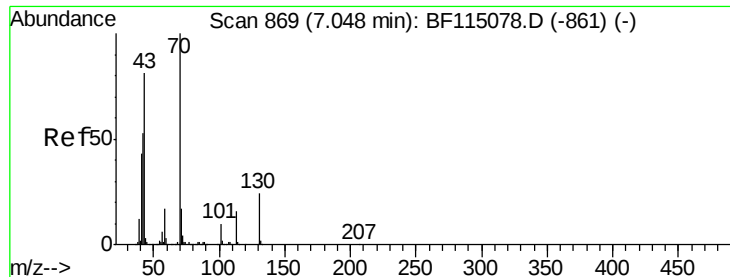
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	76.6	114.8	
201	95.5	80.2	120.2	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





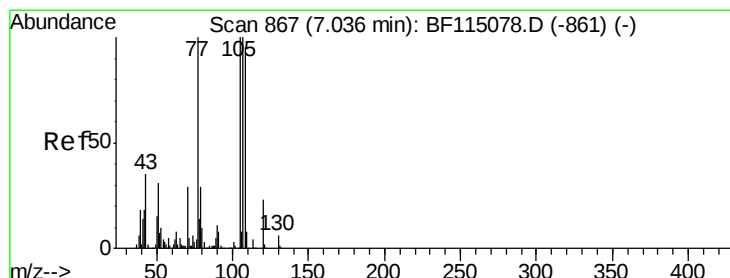
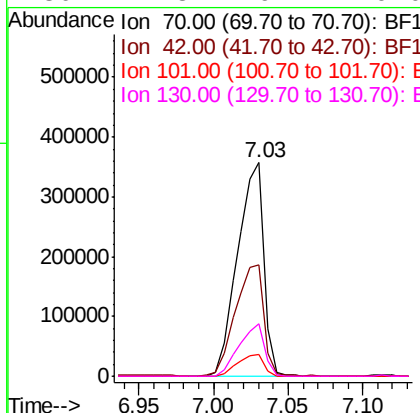
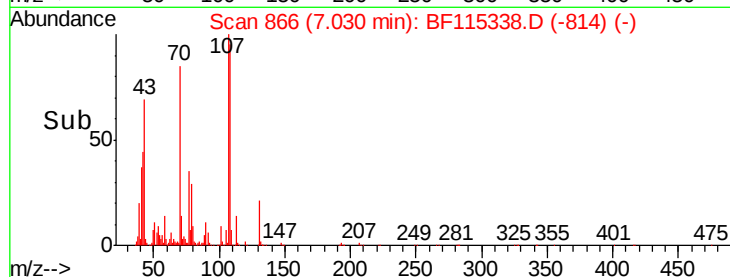
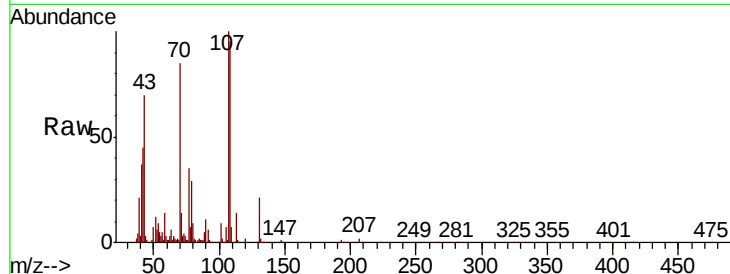
#19
n-Nitroso-di-n-propylamine
Concen: 34.375 ng
RT: 7.03 min Scan# 866
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.2	42.6	63.8	
101	10.4	8.0	12.0	
130	24.8	19.4	29.0	

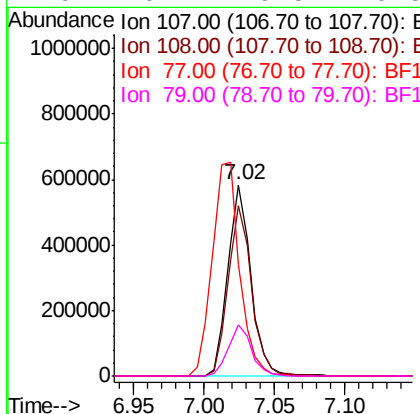
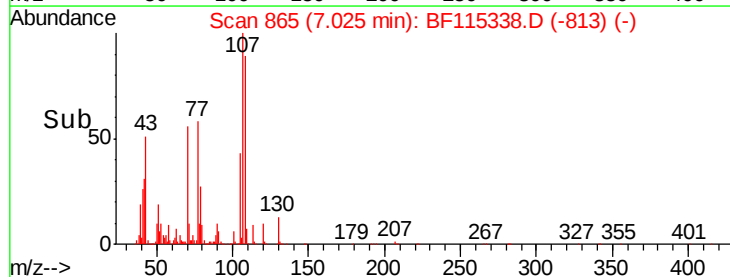
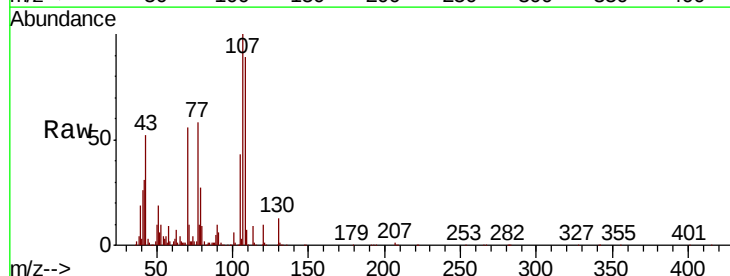
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#20
3+4-Methylphenols
Concen: 37.421 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.4	75.5	115.5	
77	58.3	80.2	120.2	
79	26.7	9.5	49.5	





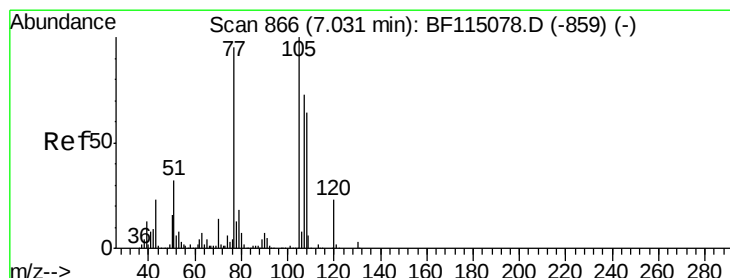
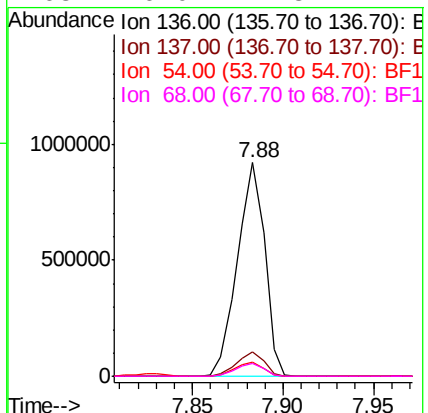
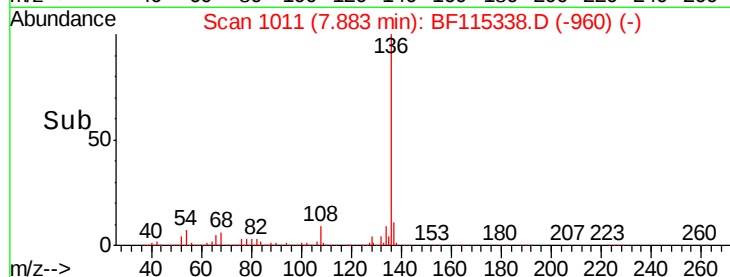
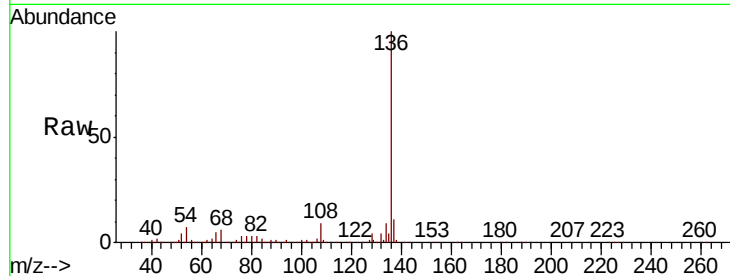
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	967993		
137	11.2		8.9	13.3
54	6.7		5.6	8.4
68	6.0		4.8	7.2

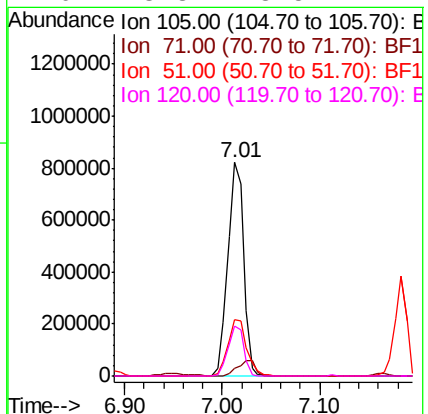
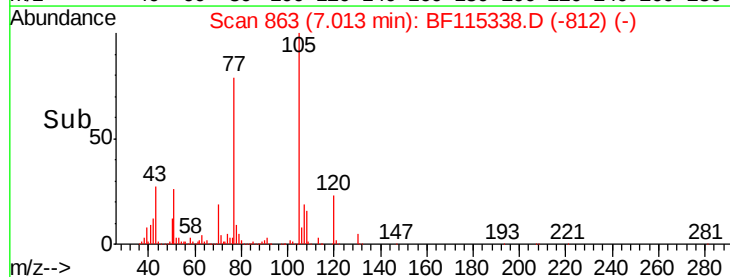
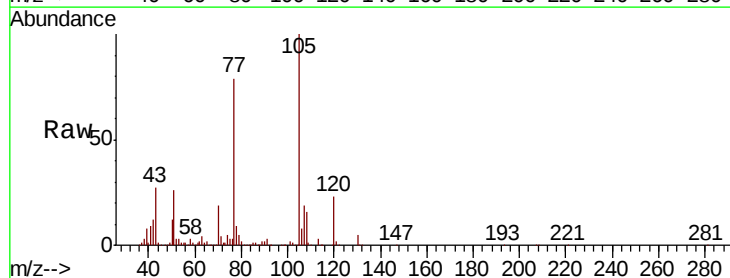
Manual Integrations
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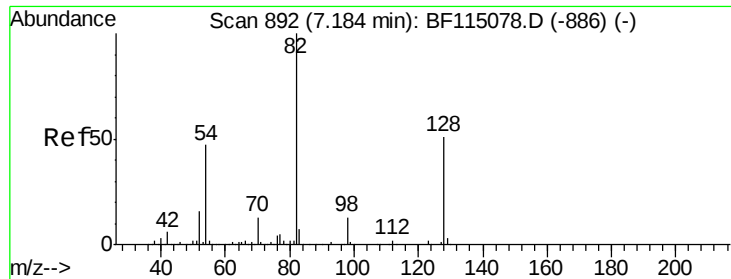
mohammad
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#22
Acetophenone
Concen: 42.067 ng
RT: 7.01 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	932224		
71	3.5		1.9	2.9#
51	26.3		25.8	38.8
120	23.3		18.5	27.7





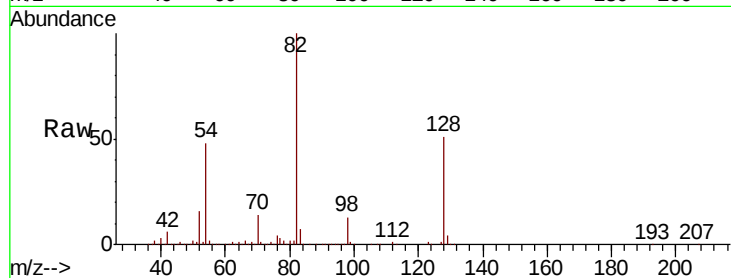
#23
Nitrobenzene-d5
Concen: 88.553 ng
RT: 7.17 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	40.4	60.6
54	47.6	37.5	56.3

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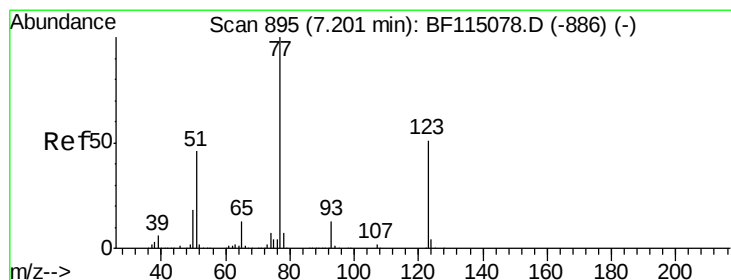
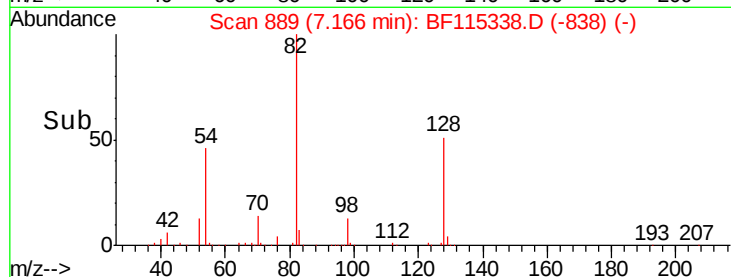
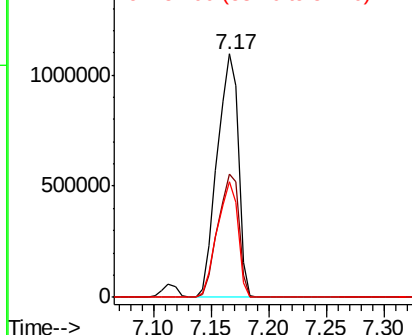


Abundance

Ion 82.00 (81.70 to 82.70): BF1

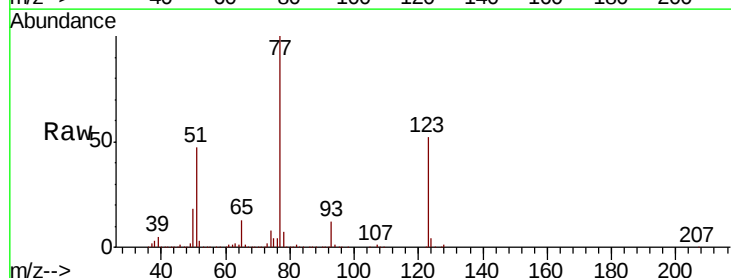
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 40.136 ng
RT: 7.18 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.7	41.0	61.6
65	13.3	10.5	15.7

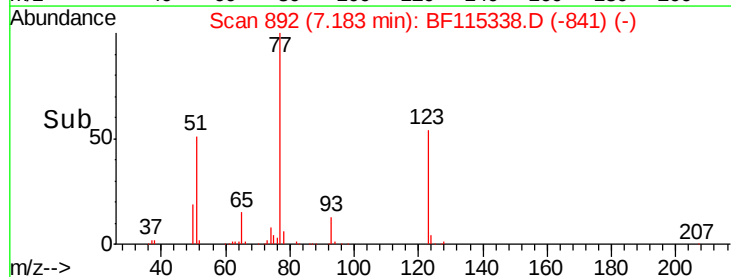
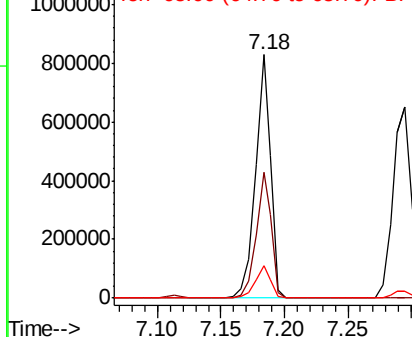


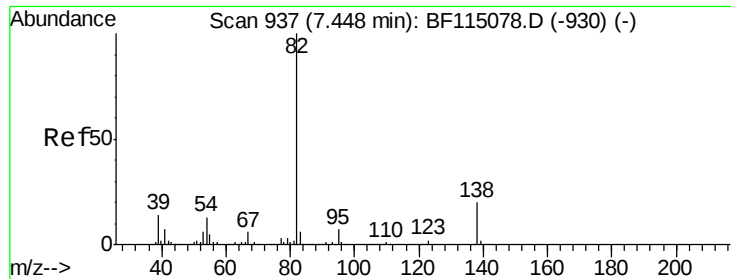
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





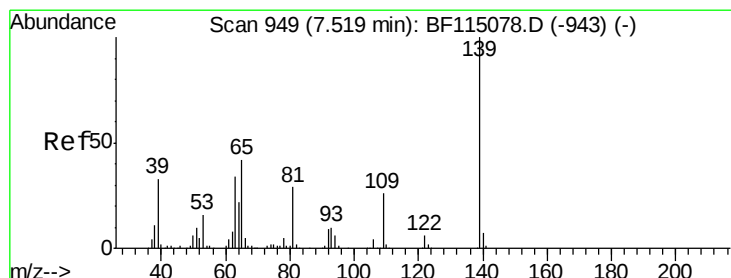
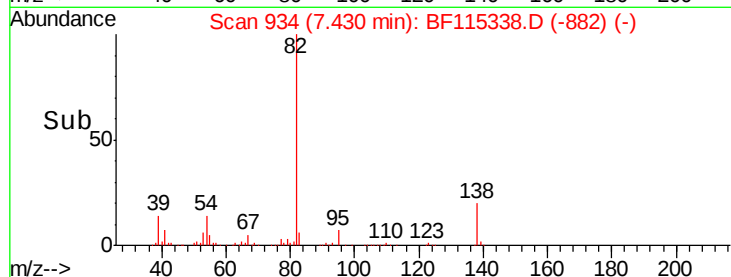
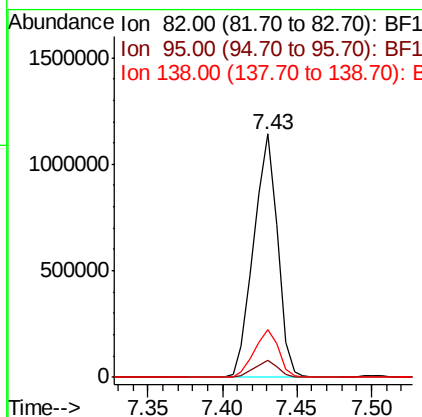
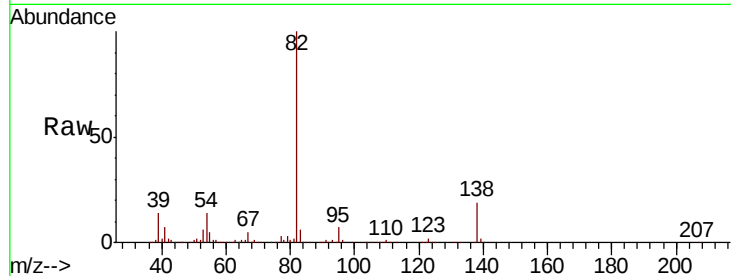
#25
Isophorone
Concen: 39.041 ng
RT: 7.43 min Scan# 934
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	82	Resp	1258497
Ion Ratio	100	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.5	15.9	23.9

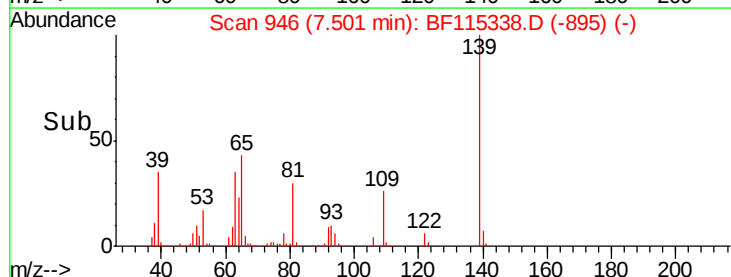
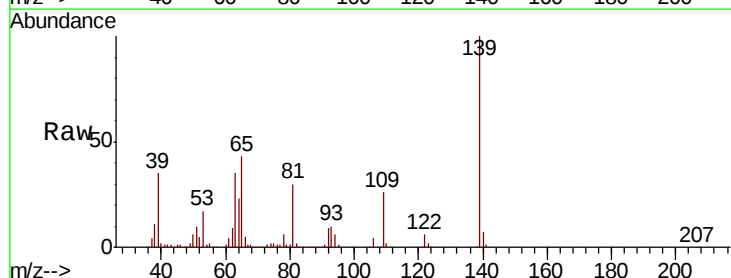
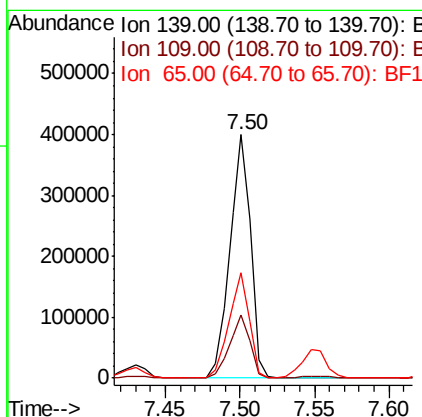
Manual Integrations
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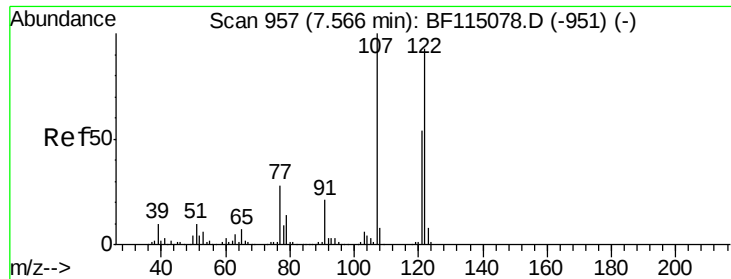
mohammad
7/2/2019 2:53:36 PM



#26
2-Nitrophenol
Concen: 45.909 ng
RT: 7.50 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	139	Resp	393034
Ion Ratio	100	Lower	Upper
139	100		
109	25.8	20.4	30.6
65	43.3	33.6	50.4





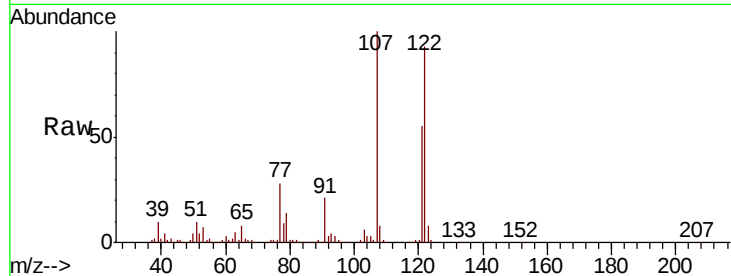
#27
 2,4-Dimethylphenol
 Concen: 43.842 ng
 RT: 7.55 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	614547		
107	107.0	85.8	128.6	
121	58.6	46.3	69.5	

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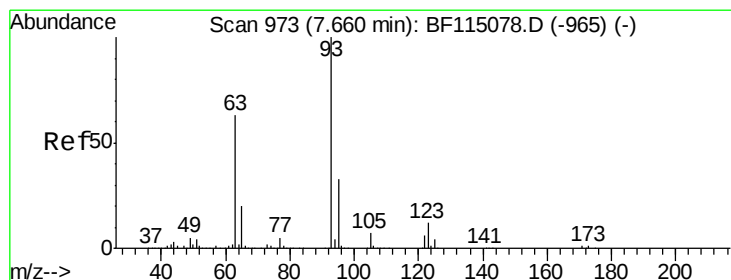
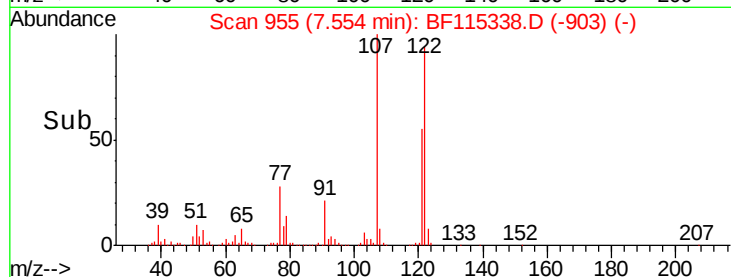
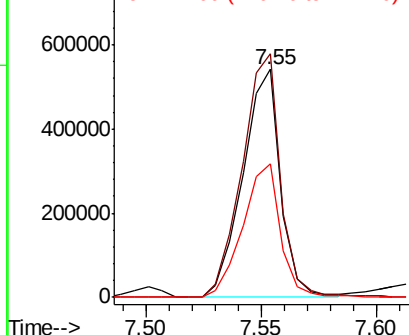


Abundance

Ion 122.00 (121.70 to 122.70): E

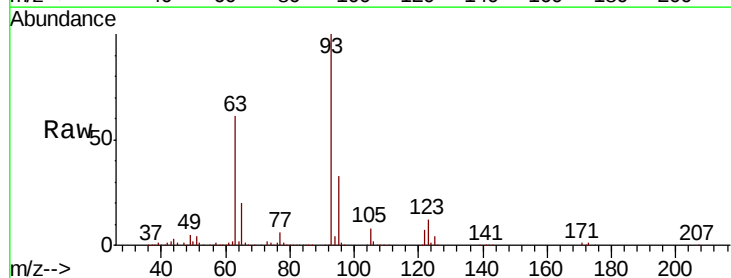
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.205 ng
 RT: 7.64 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	819135		
95	32.7	26.2	39.4	
123	12.4	9.7	14.5	

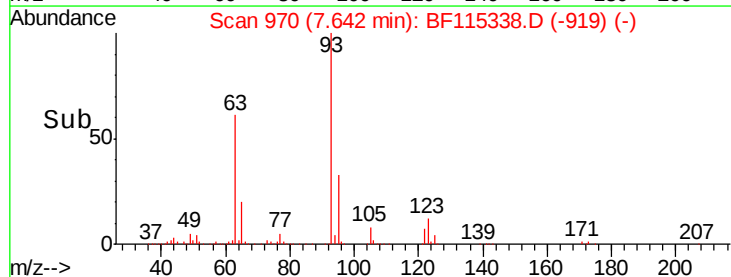
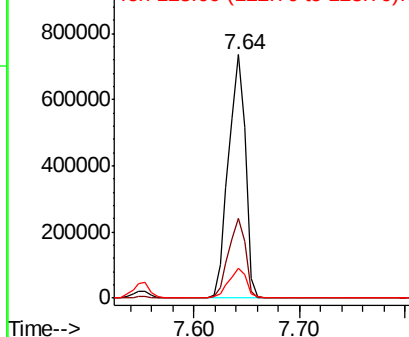


Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





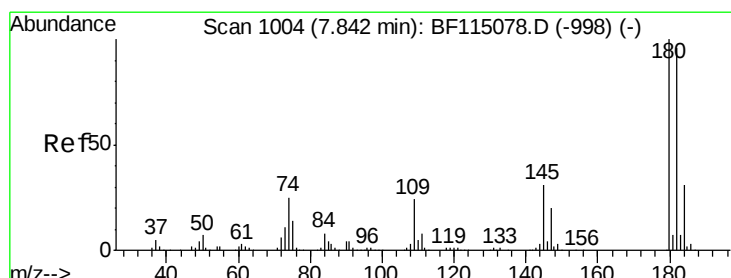
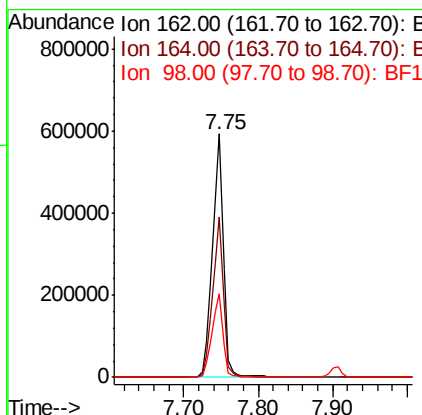
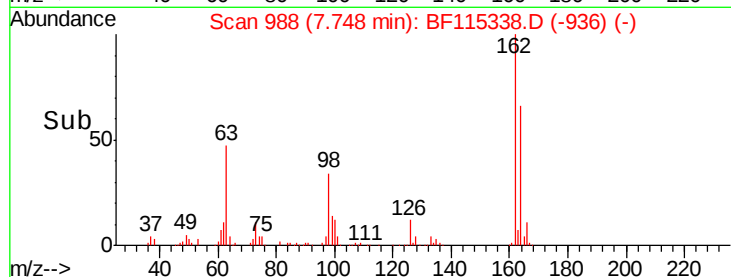
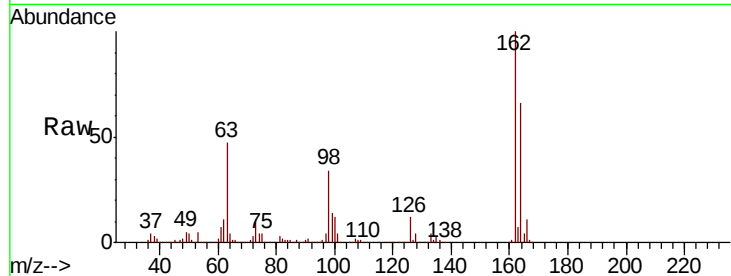
#29
2,4-Dichlorophenol
Concen: 41.795 ng
RT: 7.75 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	604583		
164	66.0	45.3	85.3	
98	34.2	12.5	52.5	

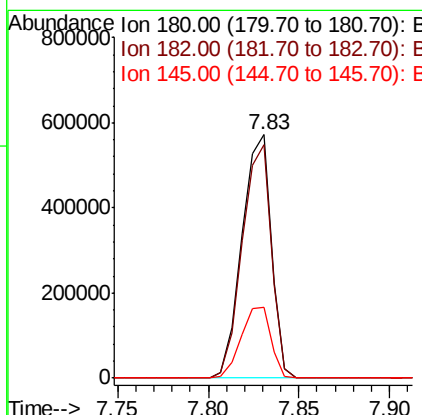
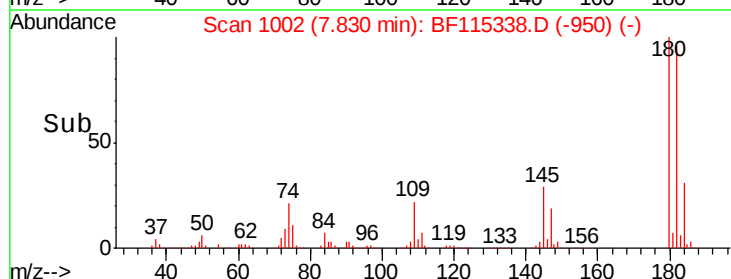
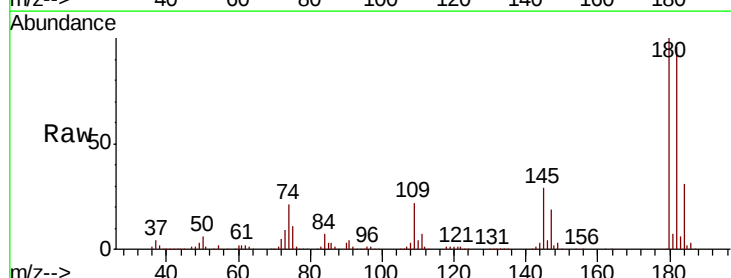
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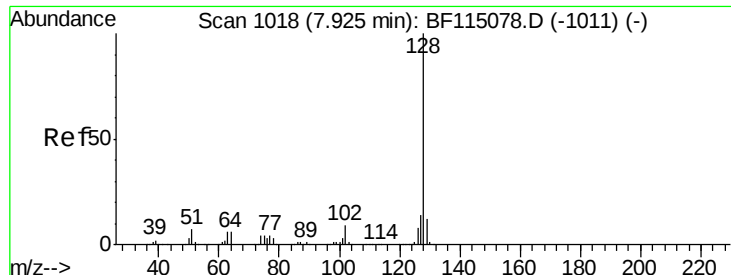
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 40.213 ng
RT: 7.83 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	642543		
182	95.9	76.4	114.6	
145	29.3	24.8	37.2	





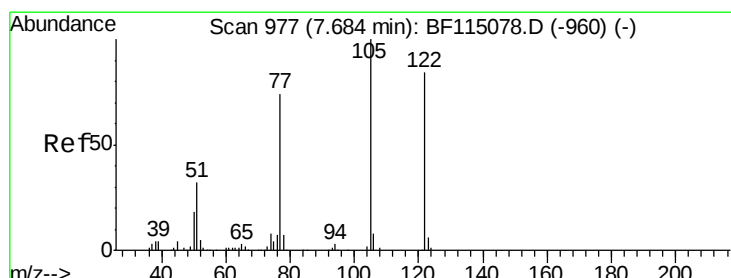
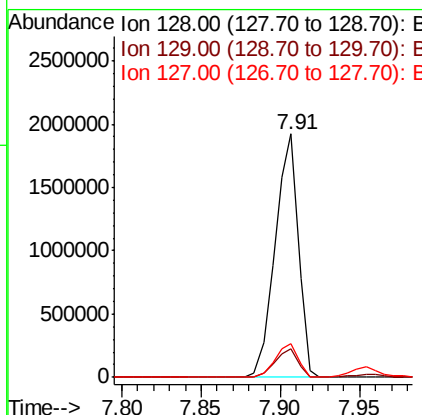
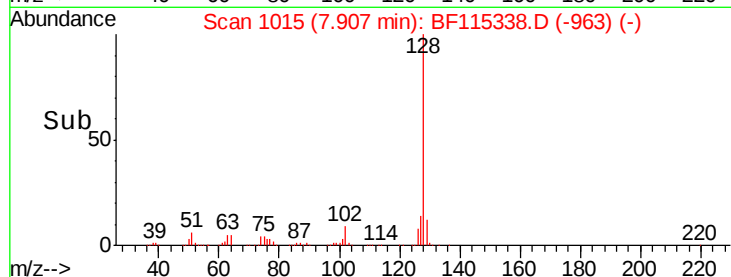
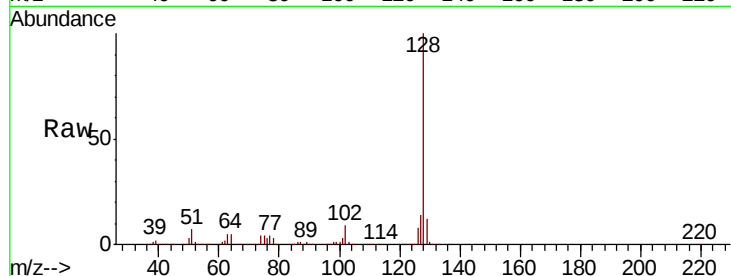
#31
Naphthalene
Concen: 41.223 ng
RT: 7.91 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

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

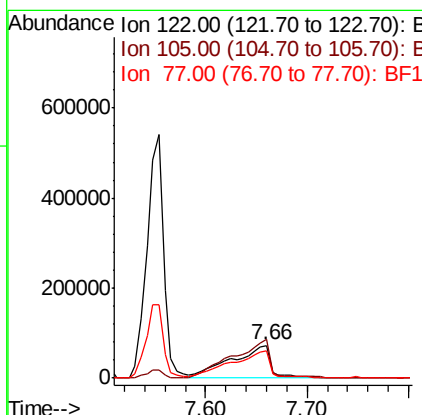
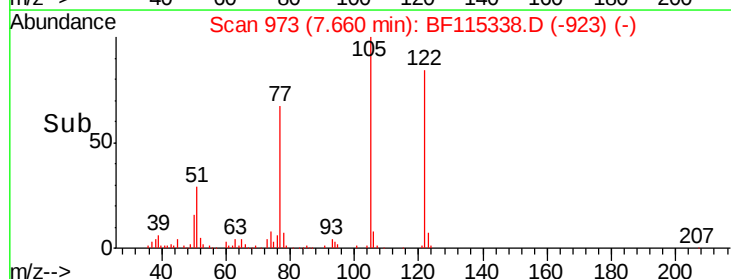
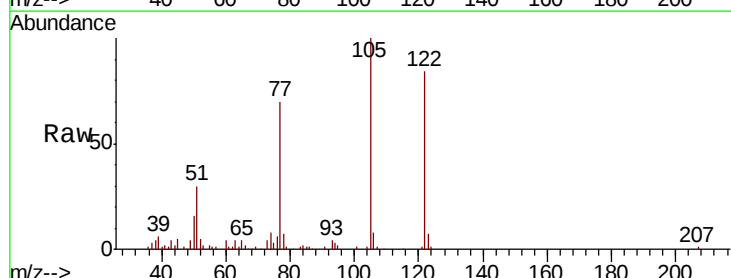
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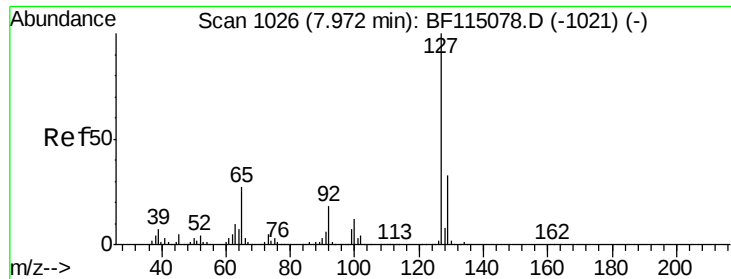
mohammad
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#32
Benzoic acid
Concen: 19.034 ng
RT: 7.66 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.5	98.2	138.2
77	82.6	67.0	107.0





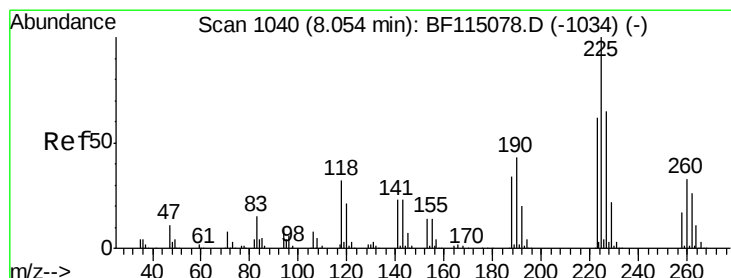
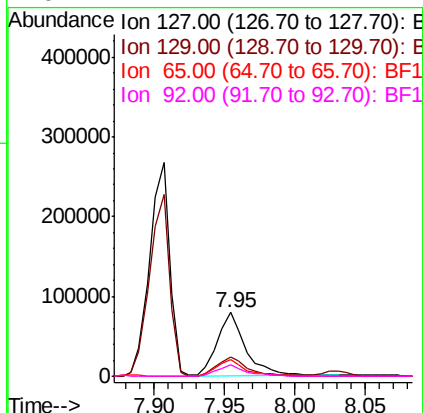
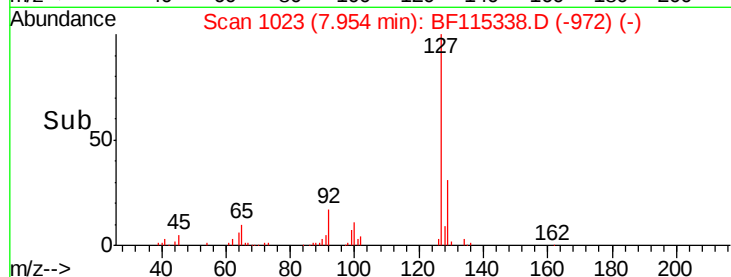
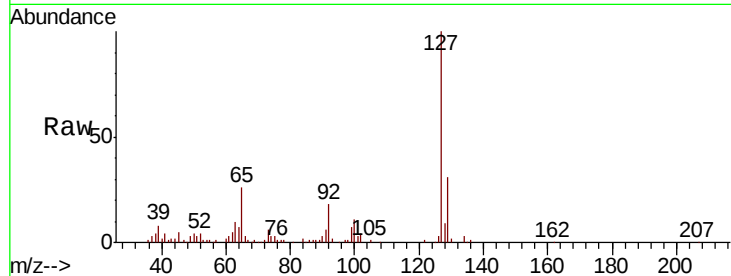
#33
4-Chloroaniline
Concen: 5.126 ng
RT: 7.95 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.6	26.1	39.1		
65	25.7	21.4	32.2		
92	17.7	14.1	21.1		

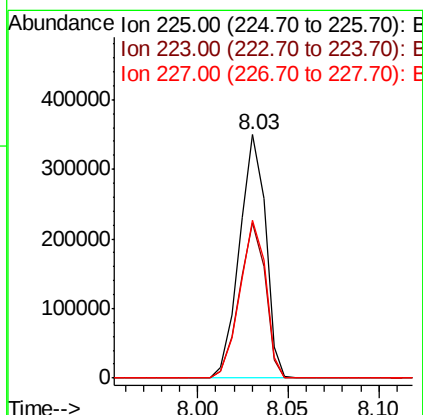
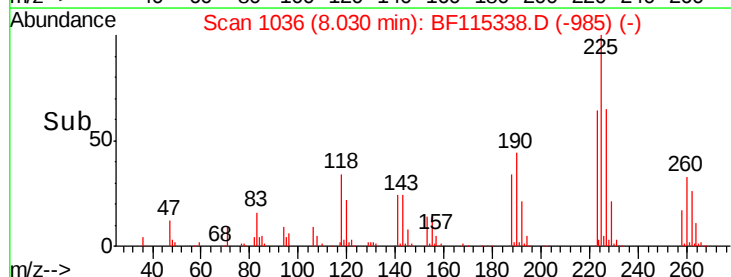
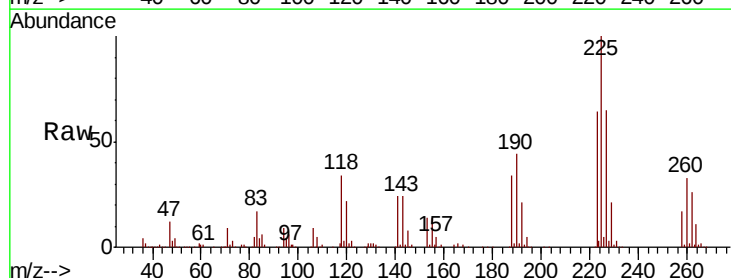
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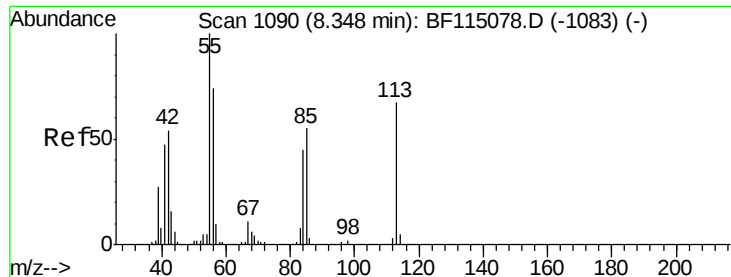
mohammad
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#34
Hexachlorobutadiene
Concen: 40.035 ng
RT: 8.03 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.6	49.4	74.2		
227	64.7	51.8	77.8		





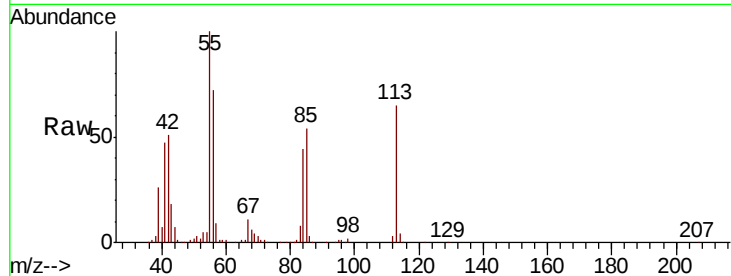
#35
Caprolactam
Concen: 34.002 ng/ml
RT: 8.33 min Scan# 1087
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.9	130.2	170.2
56	111.3	91.6	131.6

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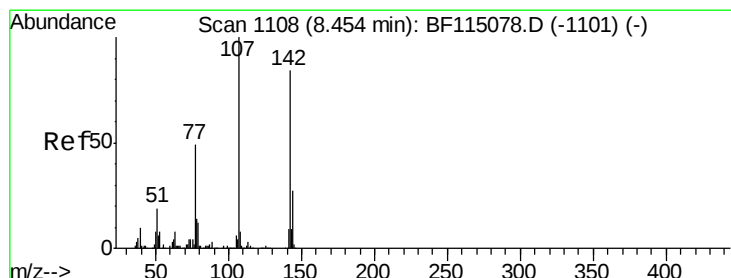
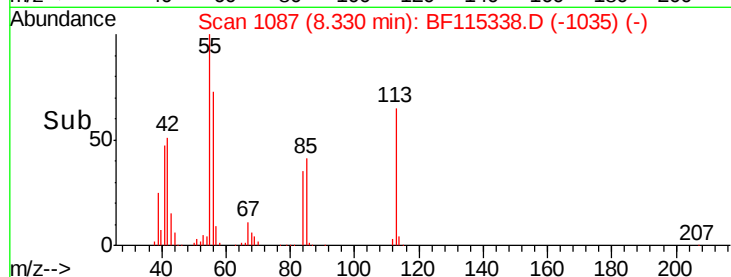
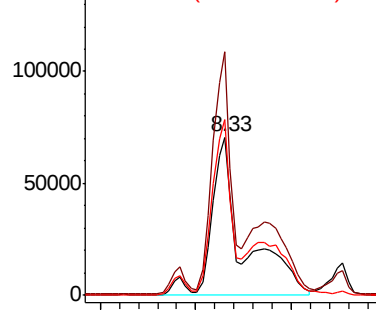


Abundance

Ion 113.00 (112.70 to 113.70): E

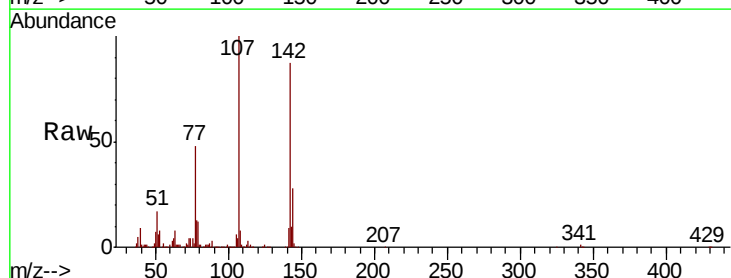
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 41.230 ng/ml
RT: 8.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.1	21.7	32.5
142	86.8	67.0	100.4

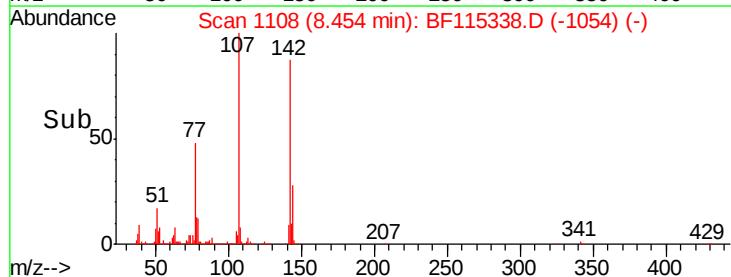
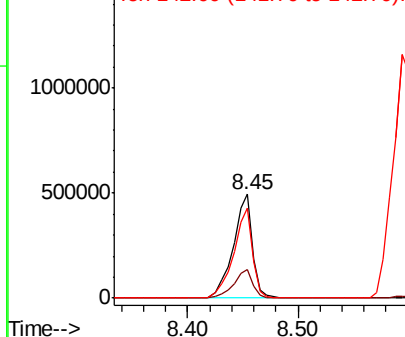


Abundance

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





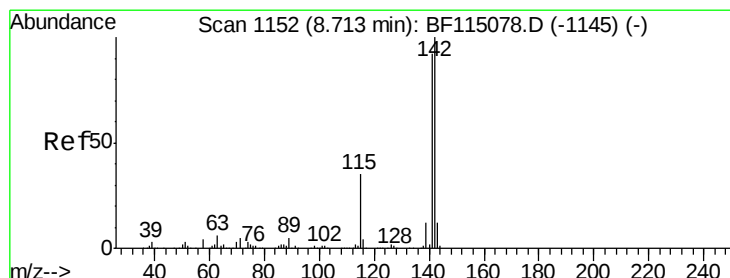
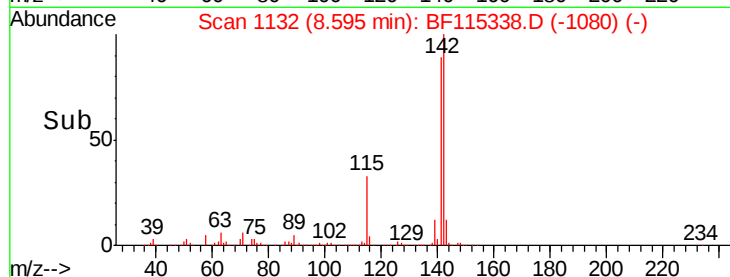
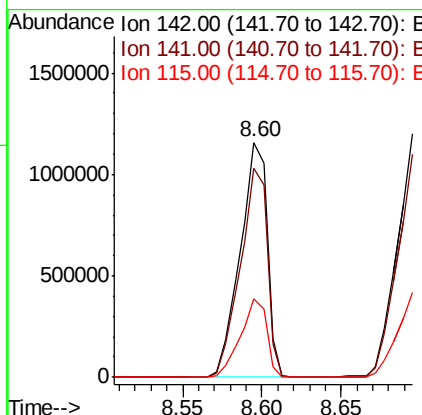
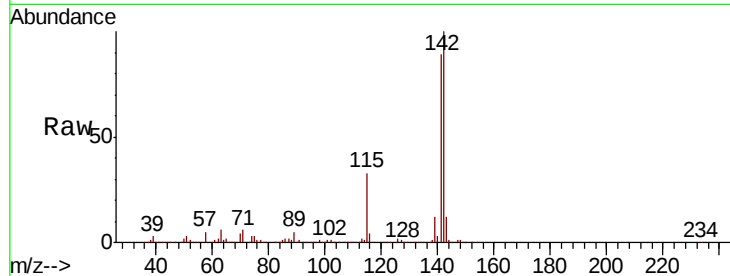
#37
2-Methylnaphthalene
Concen: 42.816 ng
RT: 8.60 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.8	104.6
115	33.4	26.7	40.1

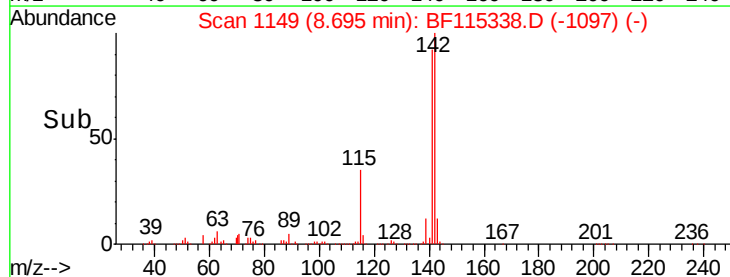
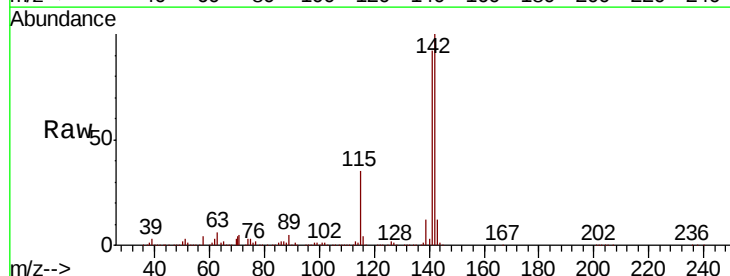
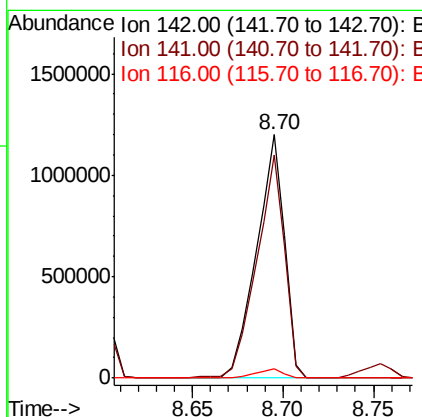
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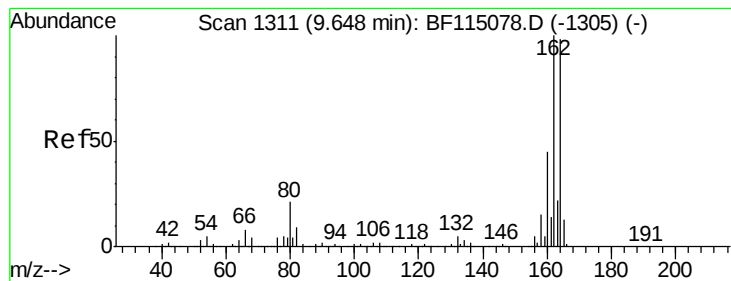
mohammad
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#38
1-Methylnaphthalene
Concen: 41.897 ng
RT: 8.70 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.8	110.8
116	3.7	2.8	4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

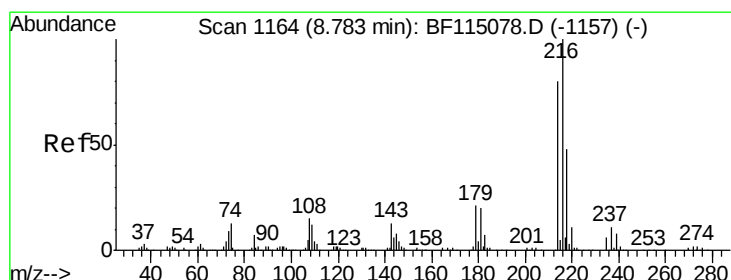
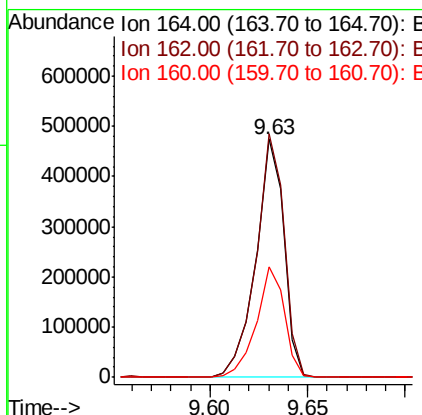
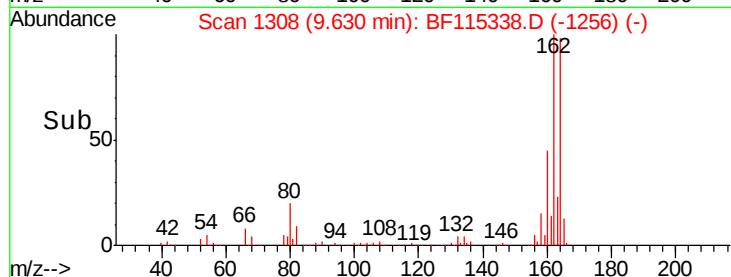
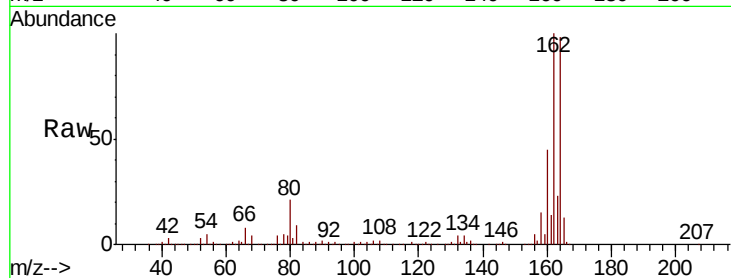
ClientSampleId :

OK-02-062719MSD

Tot Ion:	164	Resp:	474171
Ion Ratio	Lower	Upper	
164	100		
162	102.3	81.7	122.5
160	46.3	37.0	55.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.870 ng

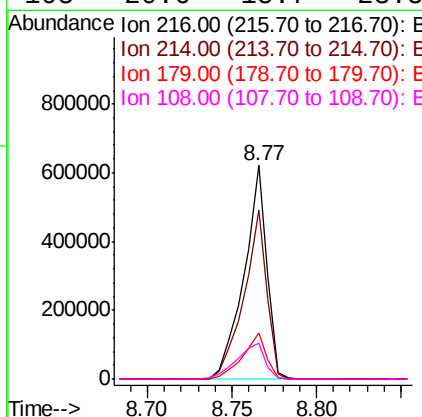
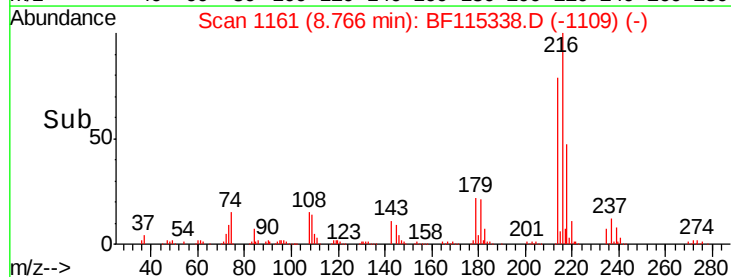
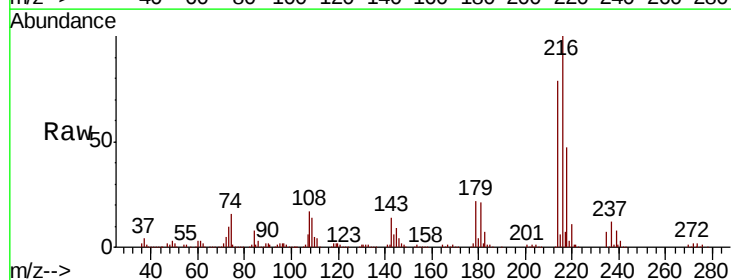
RT: 8.77 min Scan# 1161

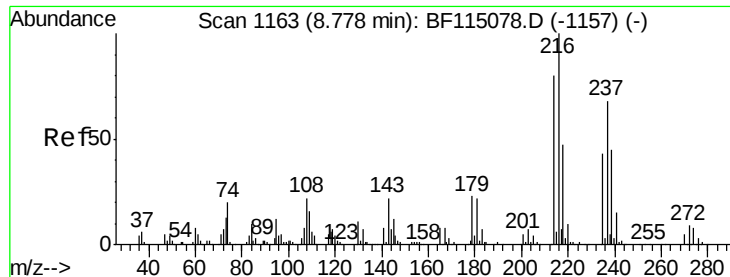
Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:	216	Resp:	587823
Ion Ratio	Lower	Upper	
216	100		
214	78.7	63.8	95.6
179	21.8	17.6	26.4
108	20.6	15.7	23.5





#41

Hexachlorocyclopentadiene

Concen: 78.569 ng

RT: 8.75 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

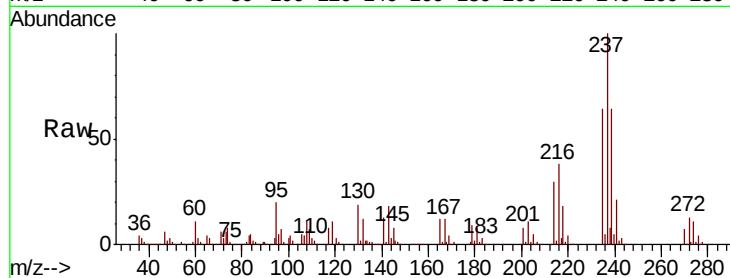
ClientSampleId :

OK-02-062719MSD

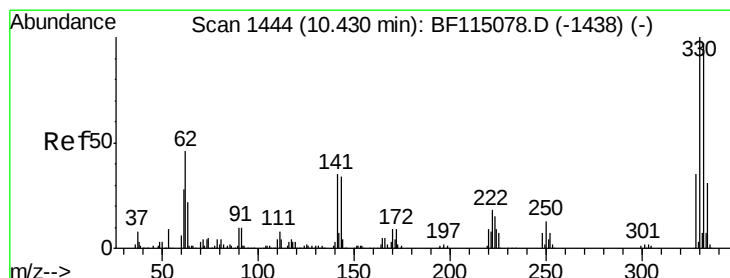
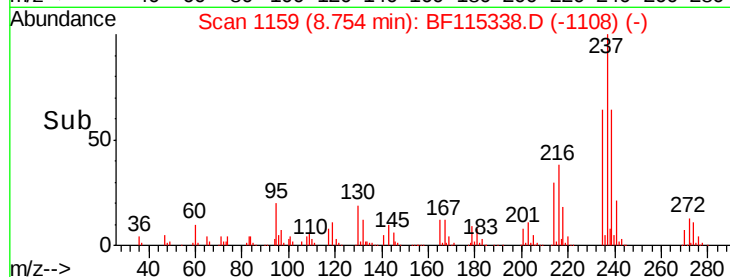
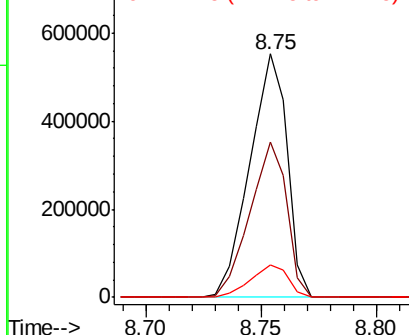
Tot Ion:	237	Resp:	624256
Ion Ratio	Lower	Upper	
237	100		
235	63.9	43.9	83.9
272	13.1	0.0	33.8

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 127.563 ng

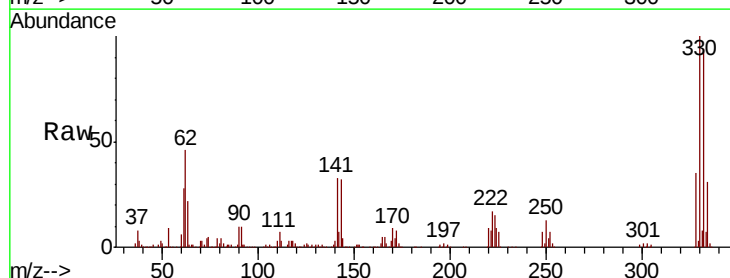
RT: 10.42 min Scan# 1442

Delta R.T. 0.01 min

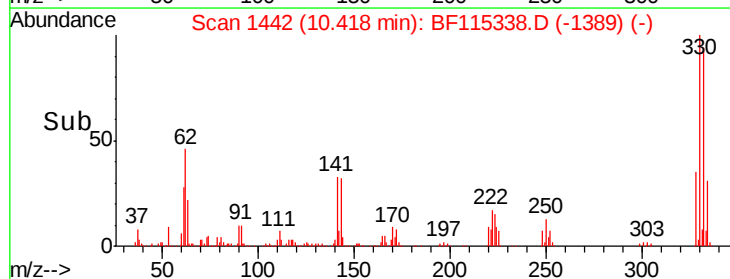
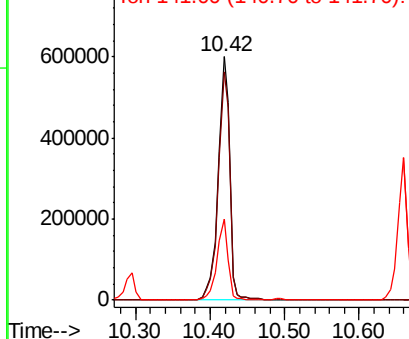
Lab File: BF115338.D

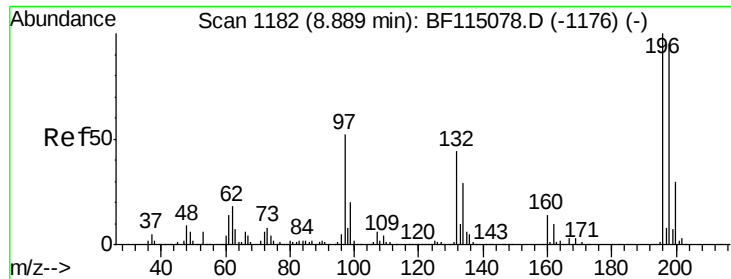
Acq: 1 Jul 2019 15:08

Tgt Ion:	330	Resp:	637852
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.3	115.9
141	31.9	28.2	42.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





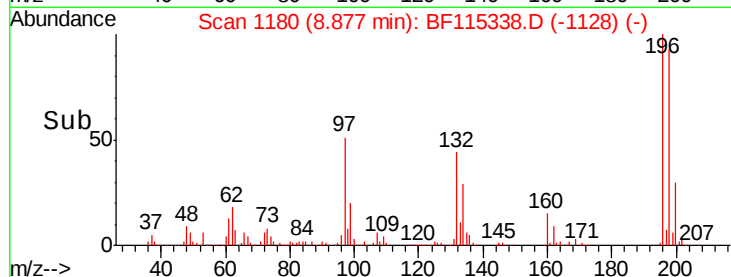
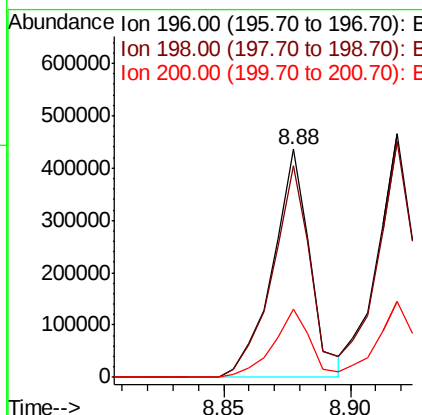
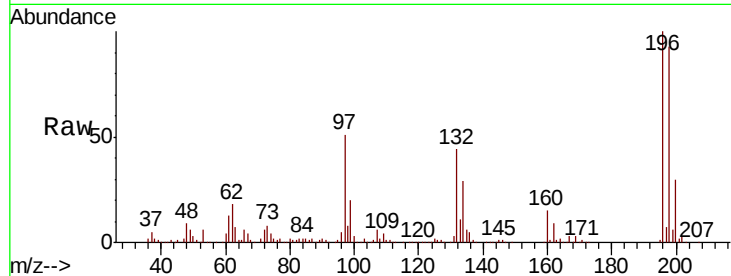
#43
 2,4,6-Trichlorophenol
 Concen: 43.206 ng
 RT: 8.88 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	446953		
198	92.6	76.3	114.5	
200	29.8	24.2	36.4	

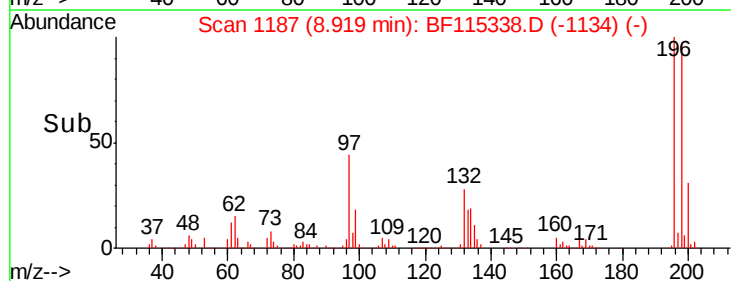
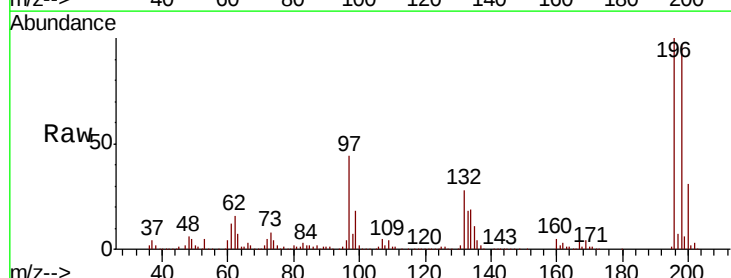
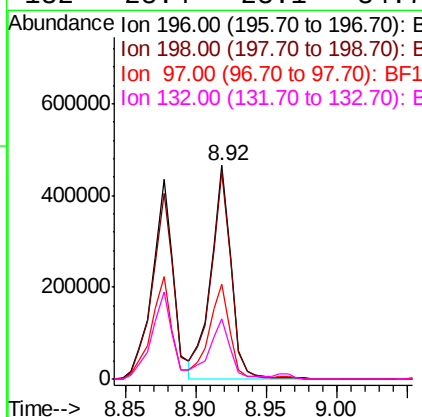
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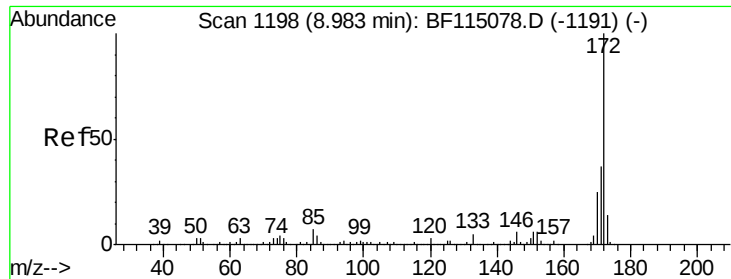
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 43.424 ng
 RT: 8.92 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	462599		
198	96.8	77.1	115.7	
97	44.4	37.7	56.5	
132	28.4	23.1	34.7	





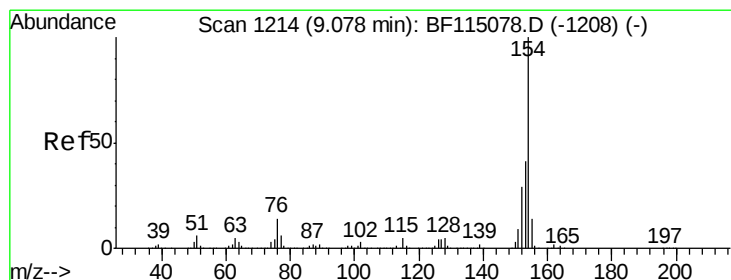
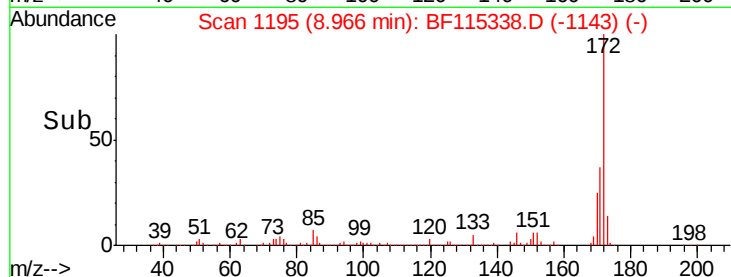
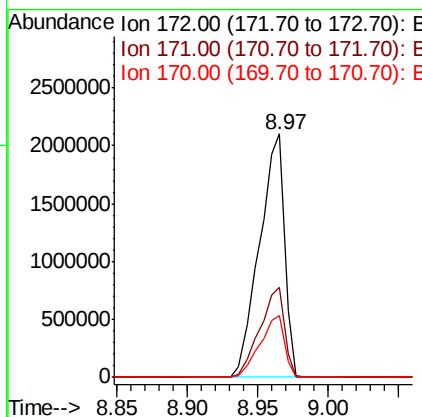
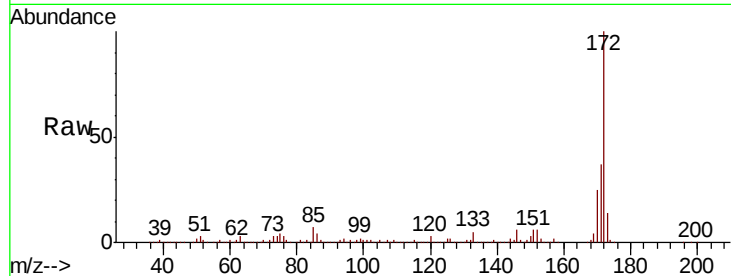
#45
2-Fluorobiphenyl
Concen: 94.828 ng
RT: 8.97 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	25.5	20.3	30.5

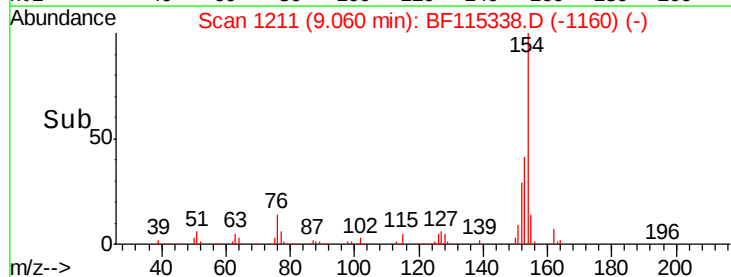
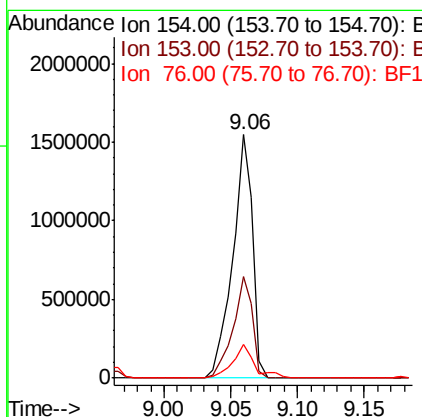
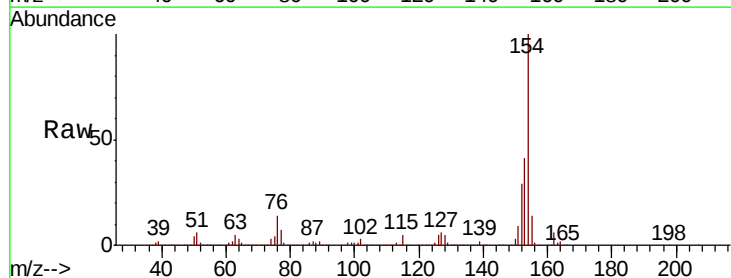
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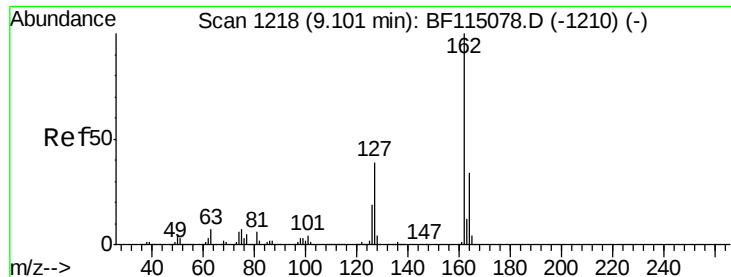
mohammad
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#46
1,1'-Biphenyl
Concen: 42.586 ng
RT: 9.06 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.9	60.9
76	13.8	0.0	34.1





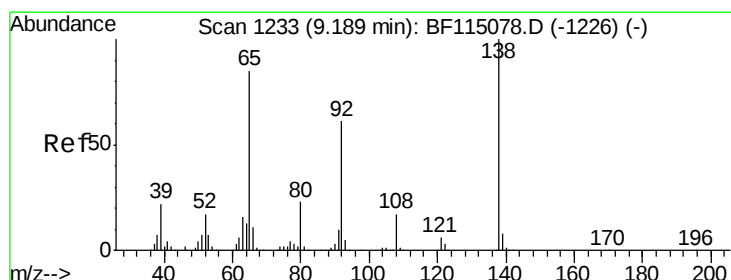
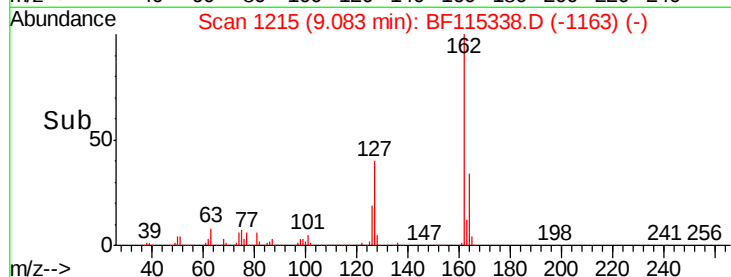
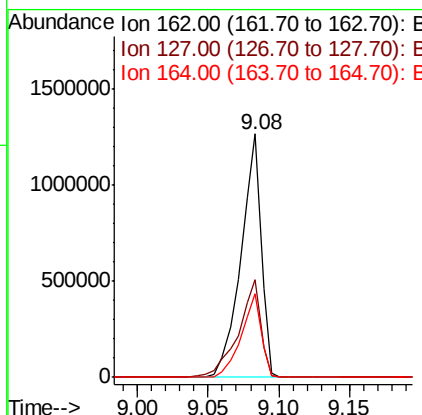
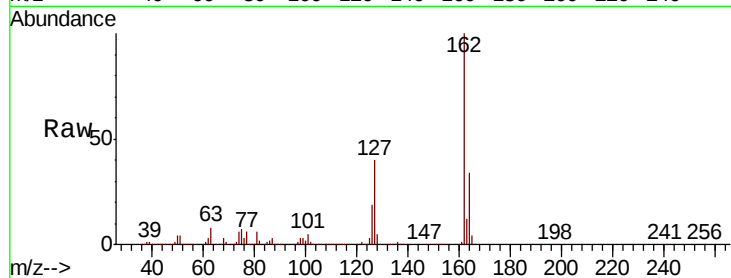
#47
2-Chloronaphthalene
Concen: 40.953 ng
RT: 9.08 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	30.8	46.2
164	34.3	27.0	40.4

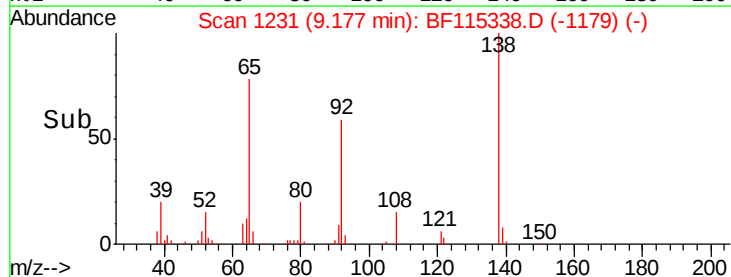
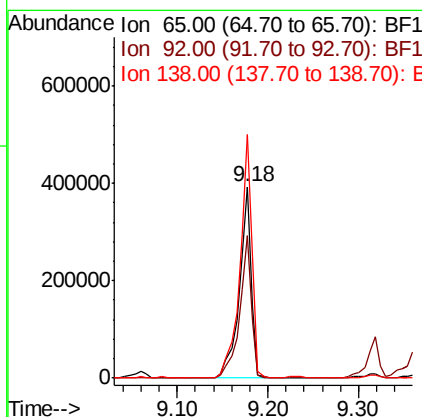
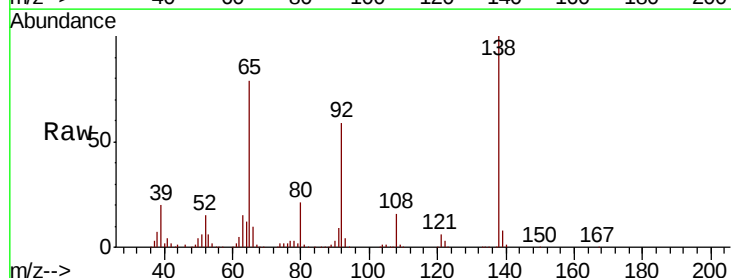
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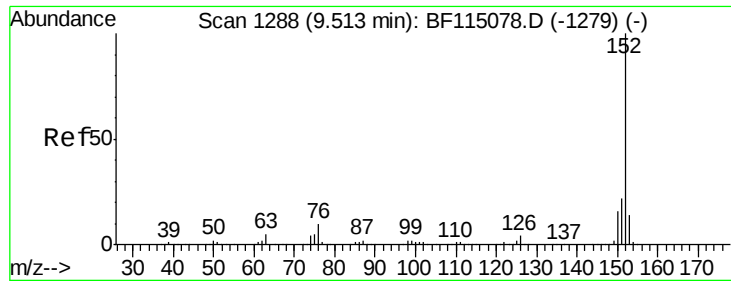
mohammad
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#48
2-Nitroaniline
Concen: 40.932 ng
RT: 9.18 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.5	57.4	86.2
138	127.1	94.1	141.1





#49

Acenaphthylene

Concen: 41.841 ng

RT: 9.49 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:152 Resp: 2006262

Ion Ratio Lower Upper

152 100

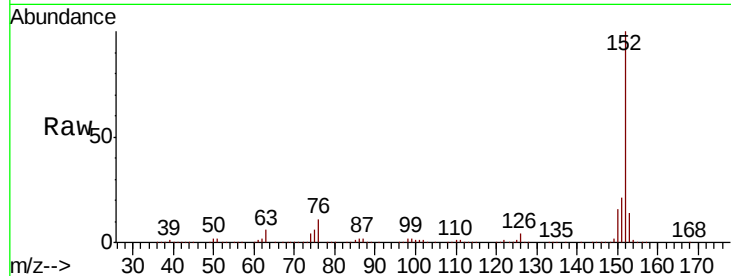
151 21.2 17.2 25.8

153 14.0 11.0 16.6

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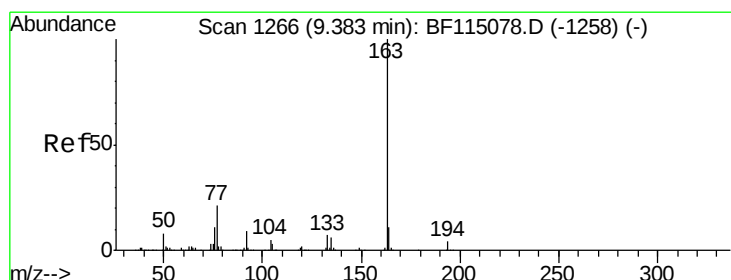
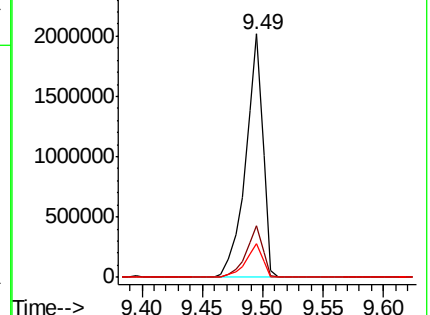
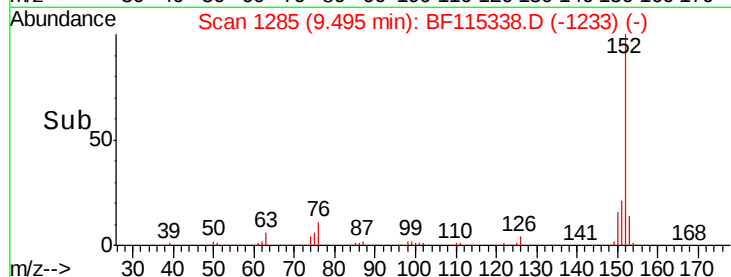
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.701 ng

RT: 9.37 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

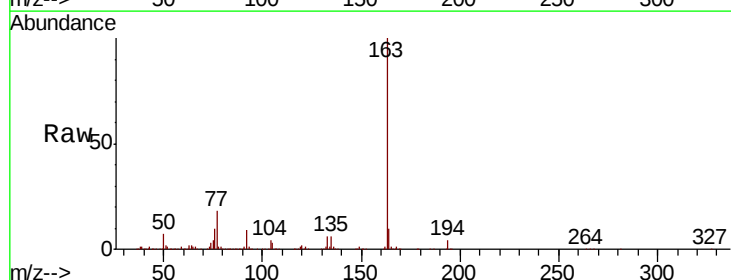
Tgt Ion:163 Resp: 1454786

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

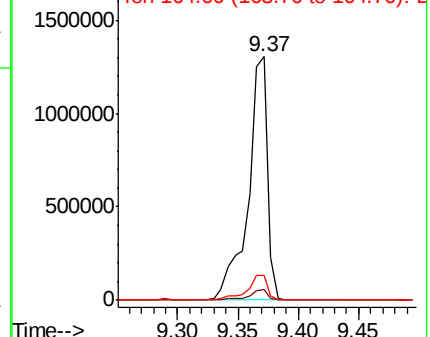
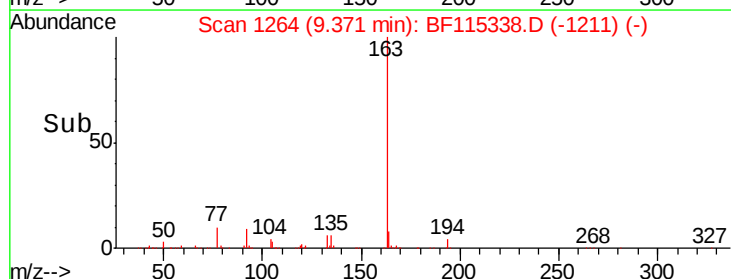
164 10.2 8.6 13.0

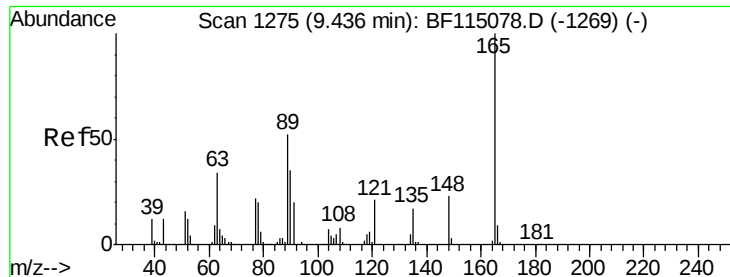


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 42.518 ng

RT: 9.42 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:165 Resp: 342445

Ion Ratio Lower Upper

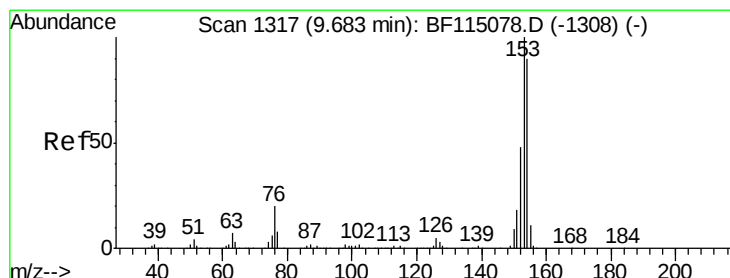
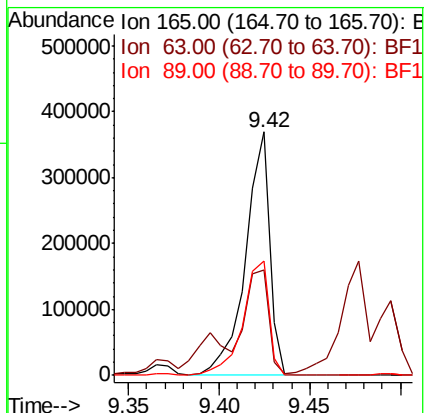
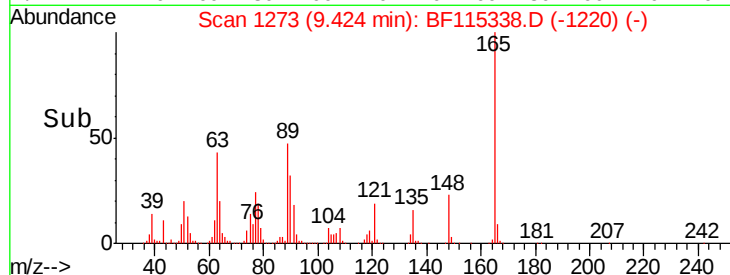
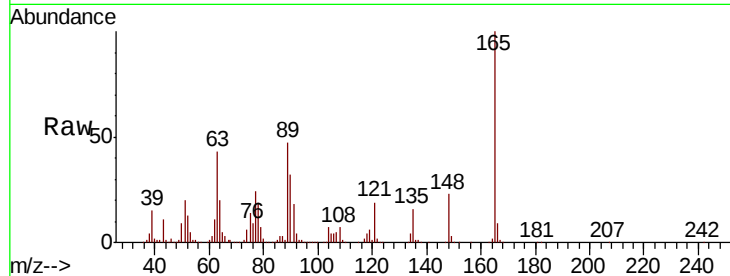
165 100

63 43.0 39.4 59.2

89 47.2 42.0 63.0

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#52

Acenaphthene

Concen: 38.984 ng

RT: 9.67 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

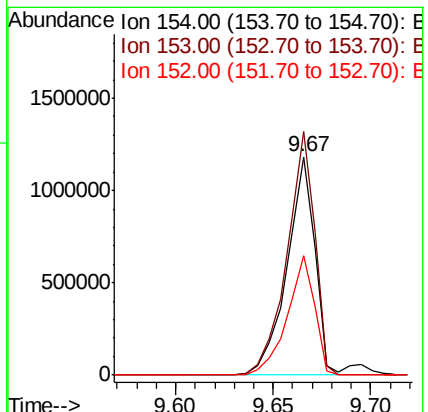
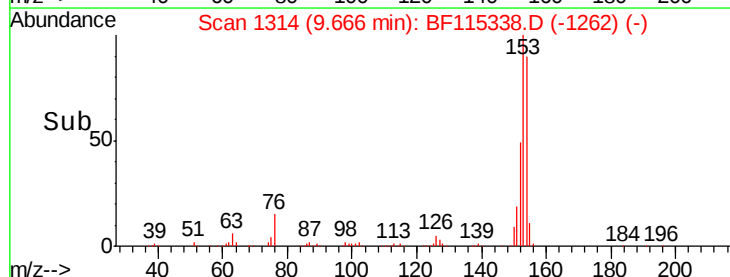
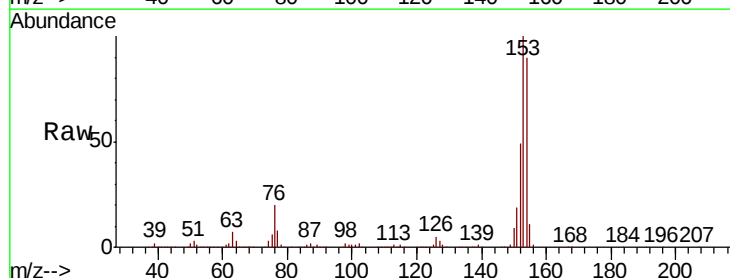
Tgt Ion:154 Resp: 1169676

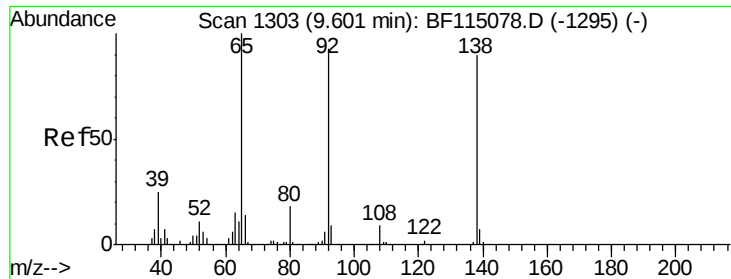
Ion Ratio Lower Upper

154 100

153 111.7 88.7 133.1

152 54.7 42.6 64.0





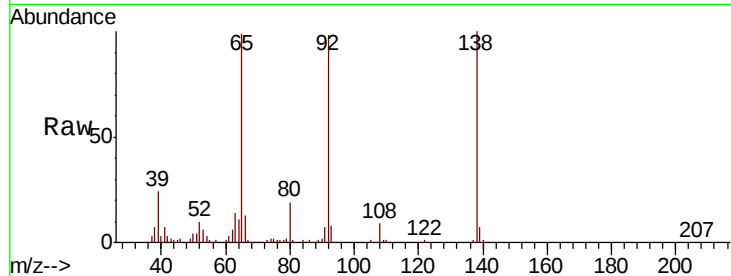
#53
3-Nitroaniline
Concen: 13.376 ng
RT: 9.58 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

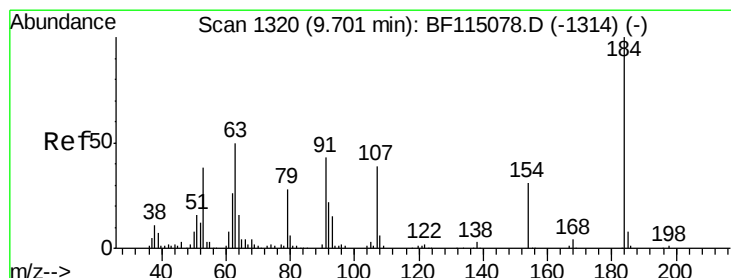
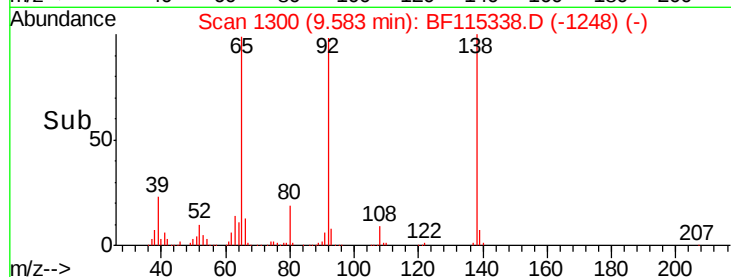
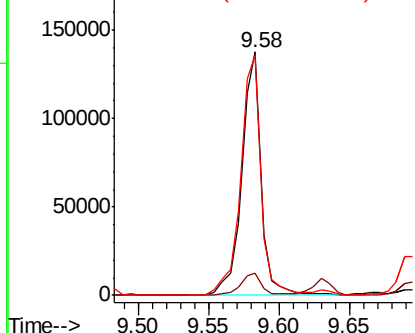
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.8	11.6
92	98.4	82.9	124.3

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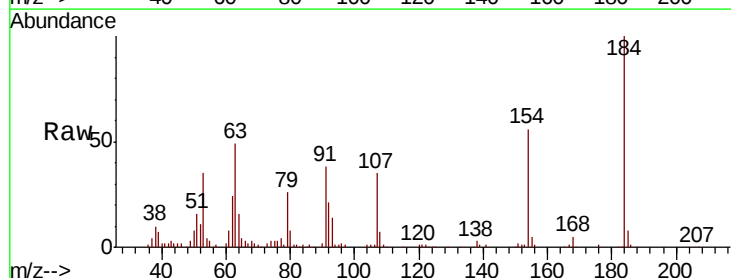


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

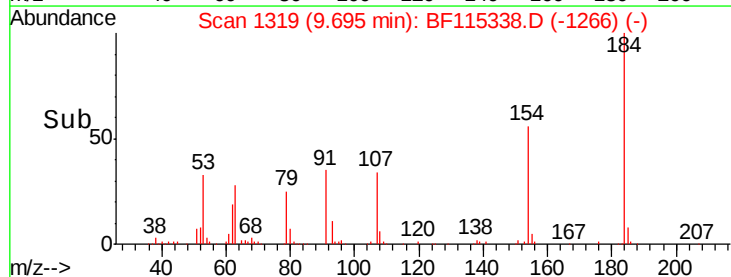
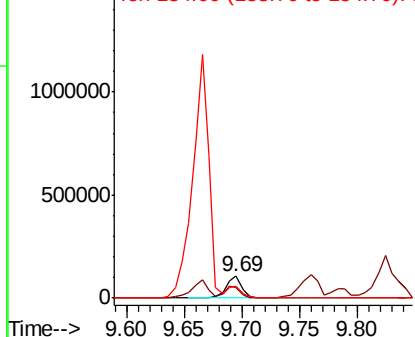


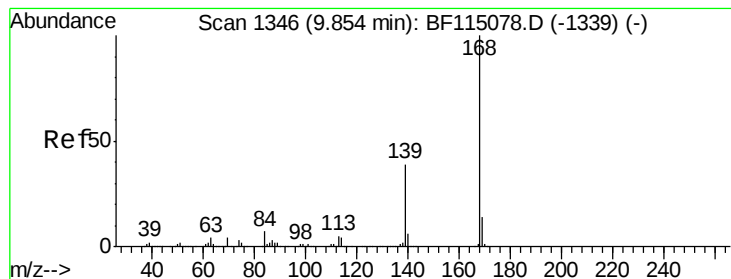
#54
2,4-Dinitrophenol
Concen: 30.027 ng
RT: 9.69 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.6	41.9	62.9
154	56.2	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: 40.034 ng

RT: 9.84 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:168 Resp: 1724051

Ion Ratio Lower Upper

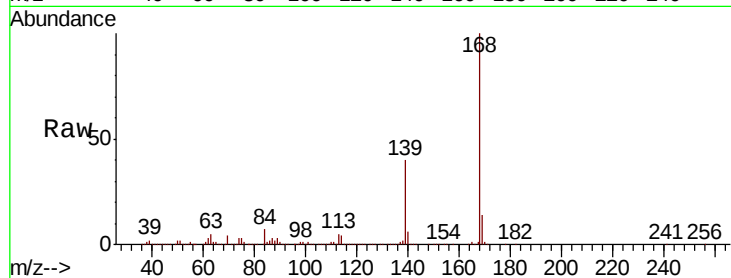
168 100

139 39.6 31.1 46.7

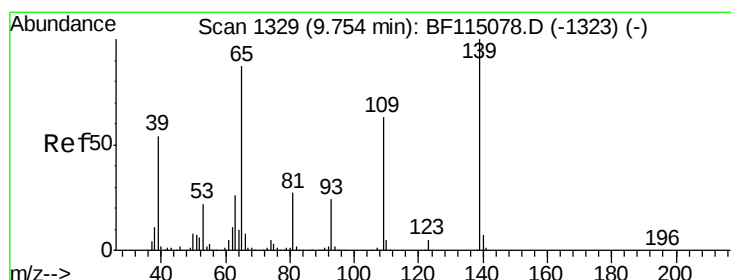
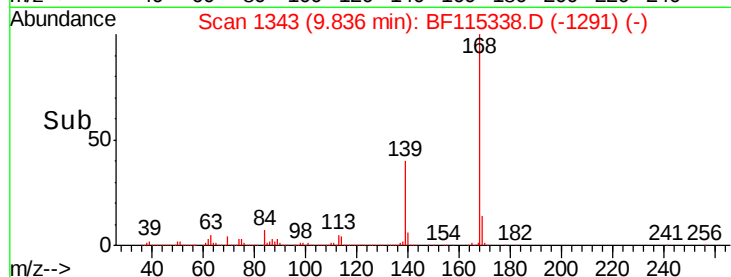
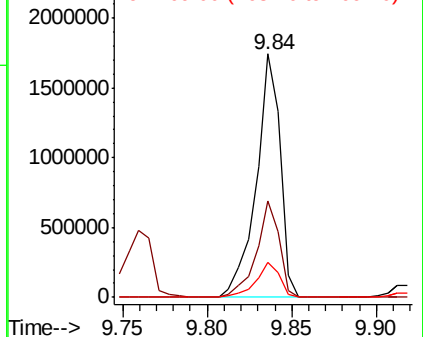
169 14.4 11.3 16.9

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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: 70.629 ng

RT: 9.76 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

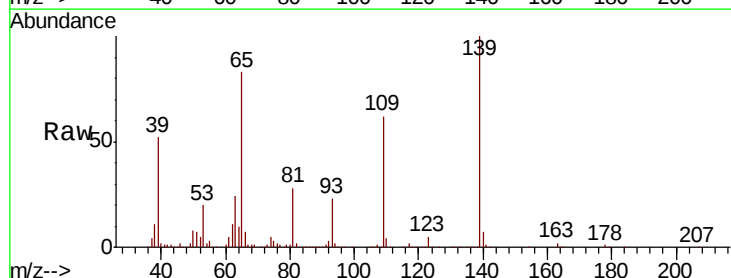
Tgt Ion:139 Resp: 556530

Ion Ratio Lower Upper

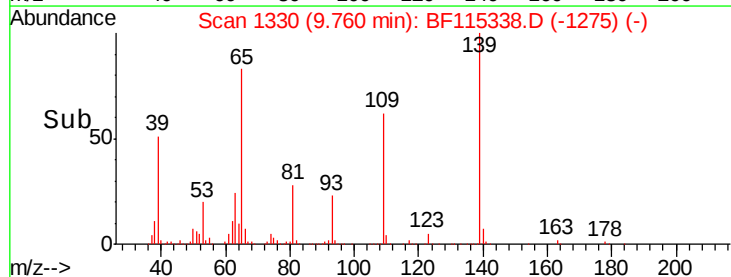
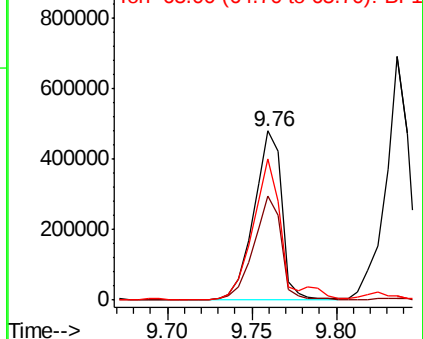
139 100

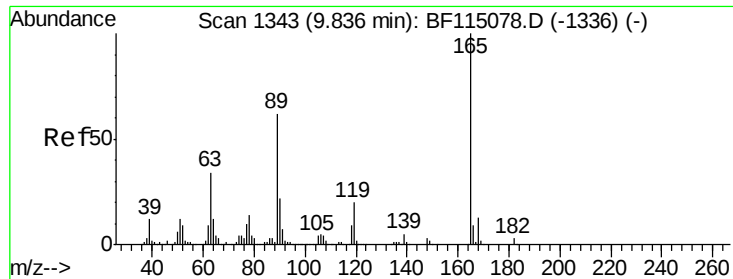
109 61.9 43.0 83.0

65 83.4 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





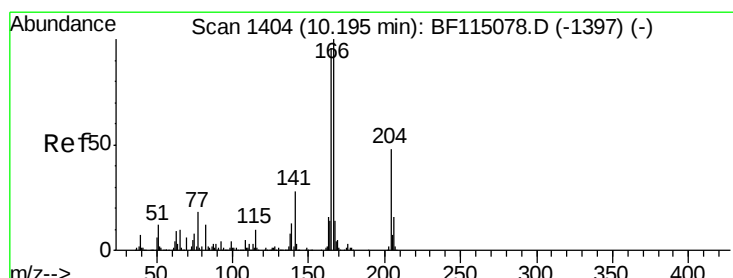
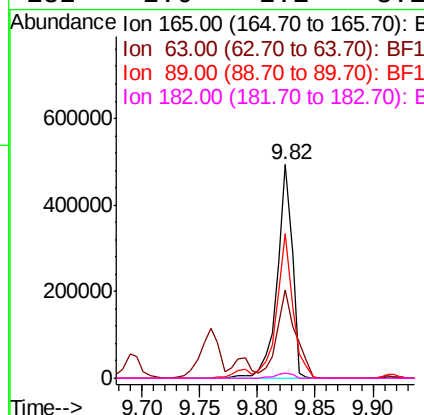
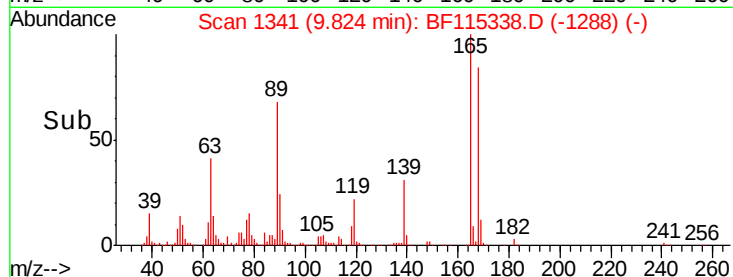
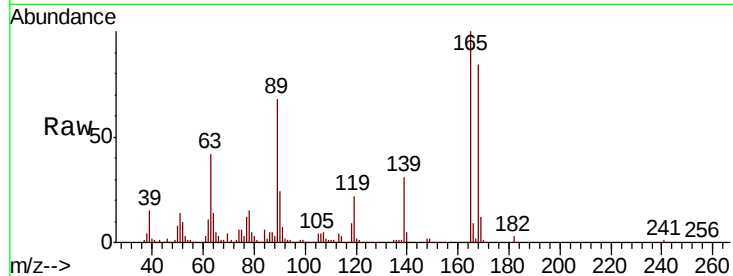
#57
 2,4-Dinitrotoluene
 Concen: 42.923 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	41.6	27.5	41.3#
89	67.6	49.9	74.9
182	2.6	2.1	3.1

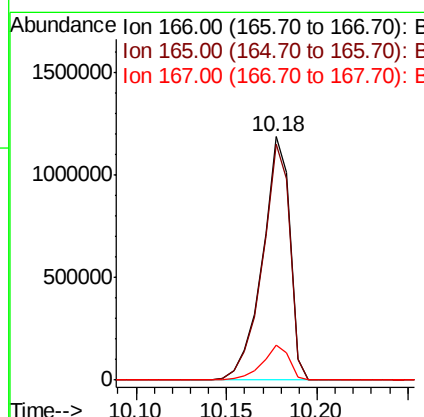
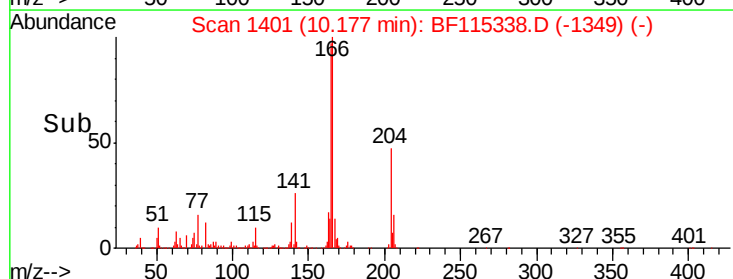
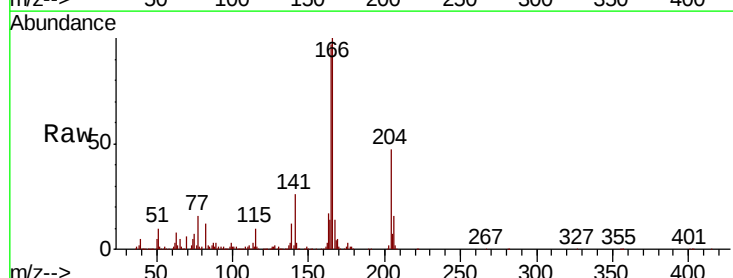
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#58
 Fluorene
 Concen: 43.366 ng
 RT: 10.18 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.5	114.7
167	14.3	11.0	16.4





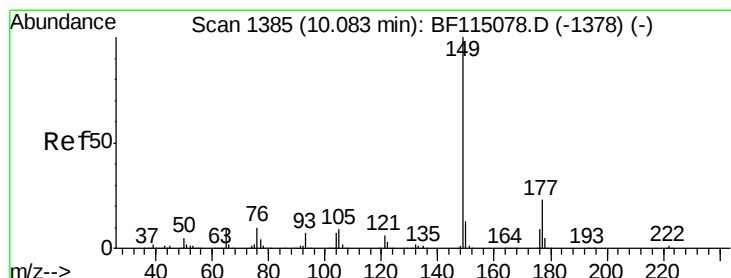
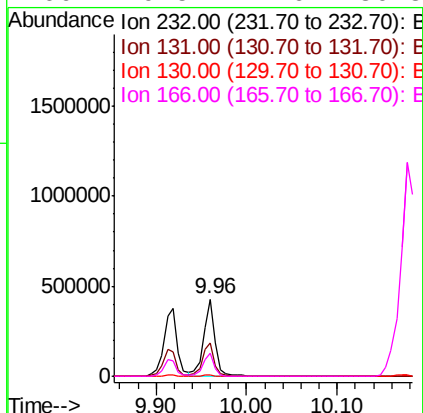
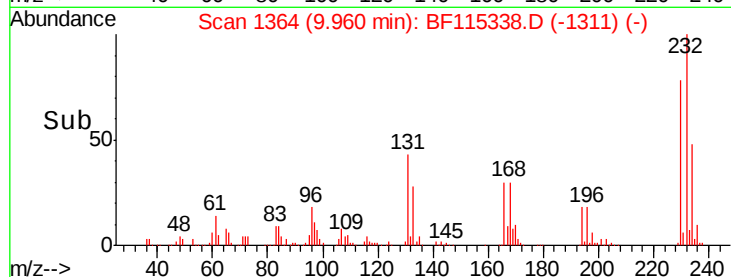
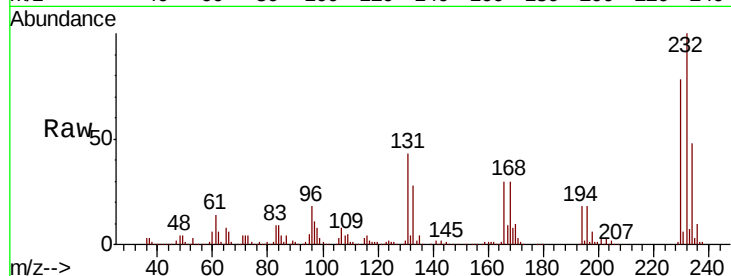
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.351 ng
 RT: 9.96 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		378311		
131	45.0	37.4	56.0		
130	2.1	1.8	2.6		
166	29.5	24.6	36.8		

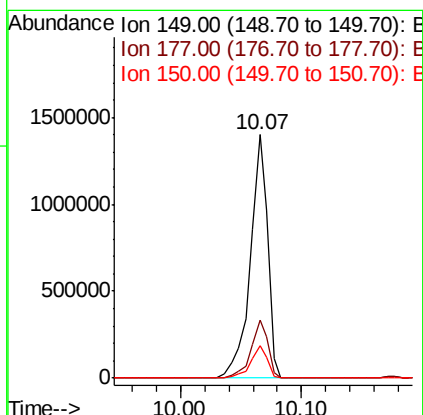
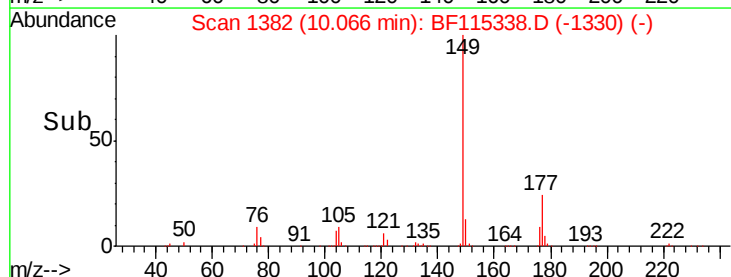
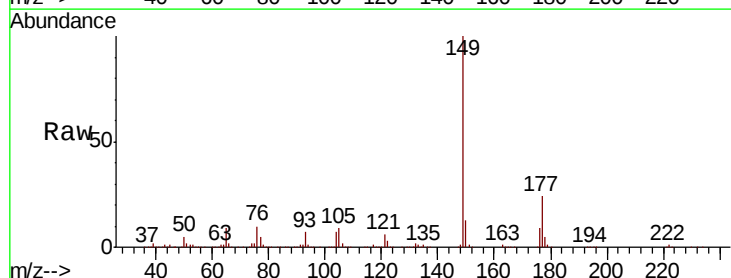
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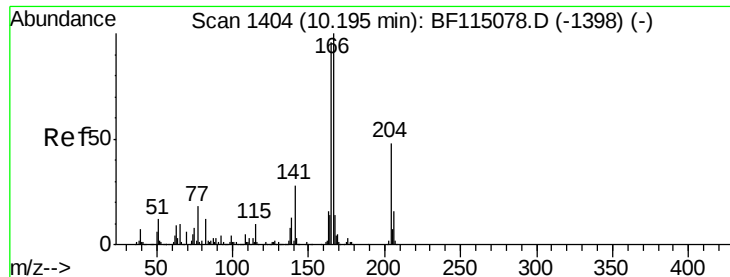
mohammad
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#60
 Diethylphthalate
 Concen: 40.005 ng
 RT: 10.07 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1402858		
177	23.6	18.7	28.1		
150	13.3	10.4	15.6		





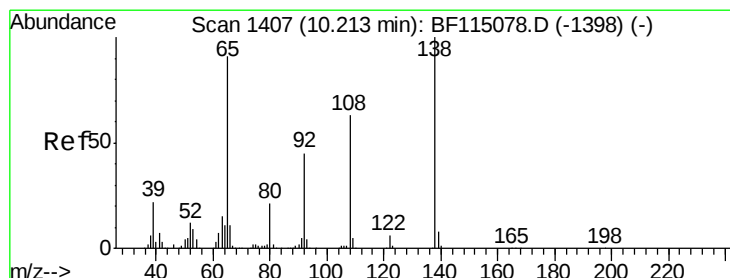
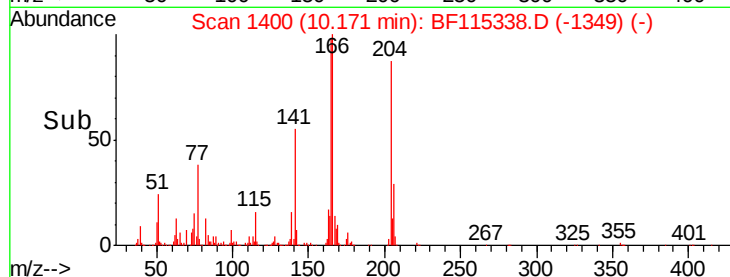
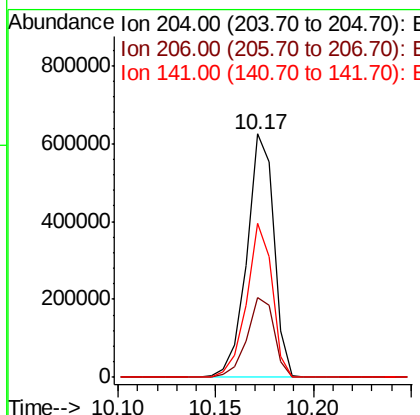
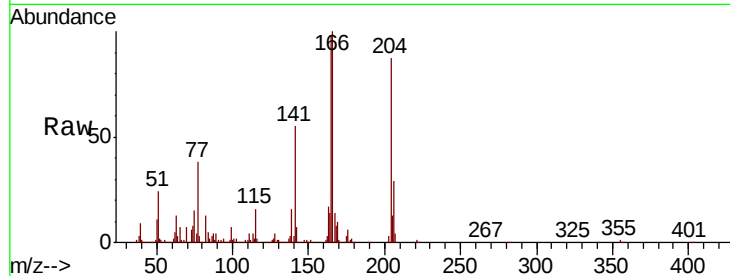
#61
4-Chlorophenyl-phenylether
Concen: 43.709 ng
RT: 10.17 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	598207		
206	32.8	26.6	40.0	
141	63.3	46.7	70.1	

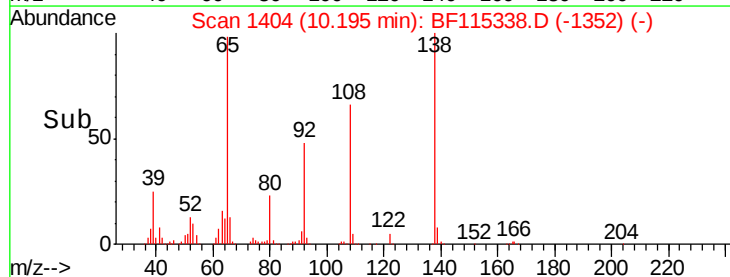
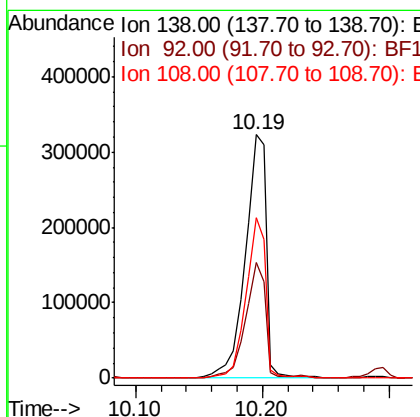
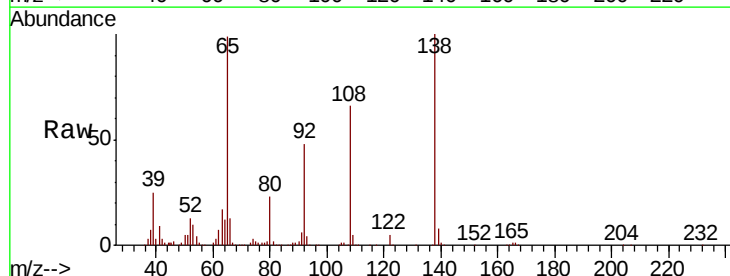
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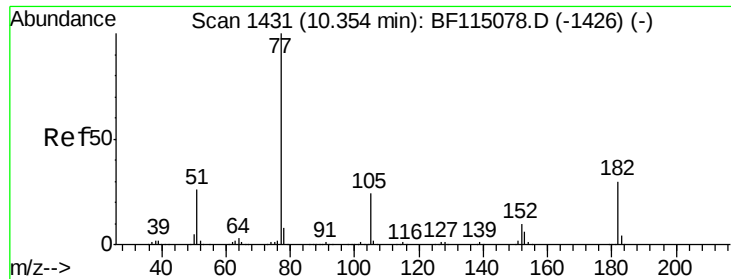
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#62
4-Nitroaniline
Concen: 37.839 ng
RT: 10.19 min Scan# 1404
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	373094		
92	47.7	24.8	64.8	
108	65.7	43.3	83.3	





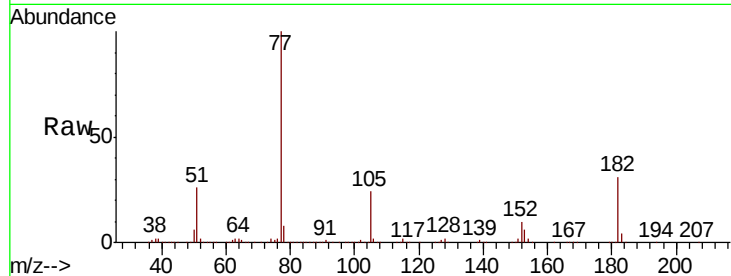
#63
Azobenzene
Concen: 39.480 ng
RT: 10.34 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

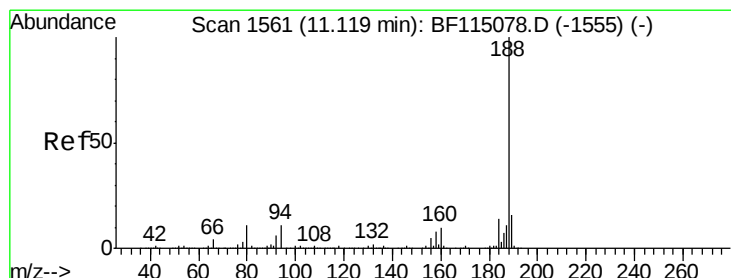
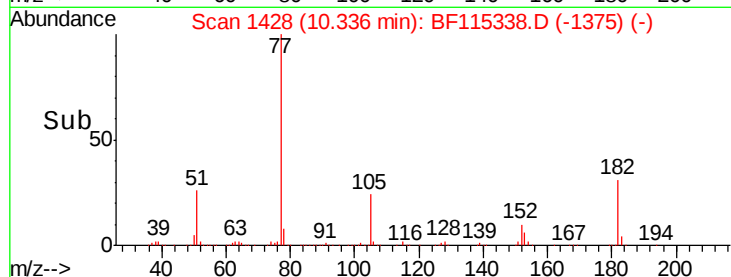
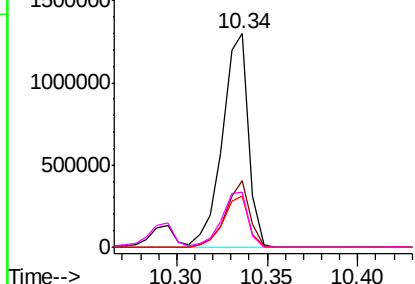
Tot Ion	Ratio	Lower	Upper
77	100		
182	30.9	10.1	50.1
105	24.2	4.5	44.5
51	26.1	6.4	46.4

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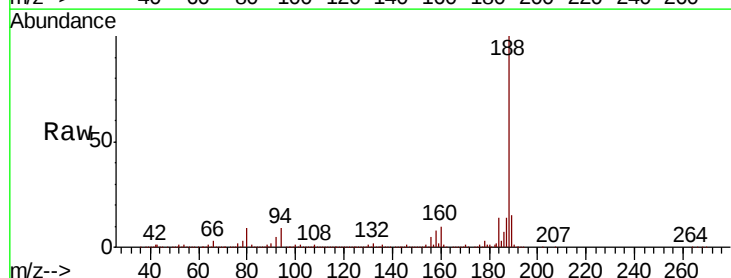


Abundance Ion 77.00 (76.70 to 77.70): BF1
2000000 Ion 182.00 (181.70 to 182.70): E
1500000 Ion 105.00 (104.70 to 105.70): E
1000000 Ion 51.00 (50.70 to 51.70): BF1
500000
0

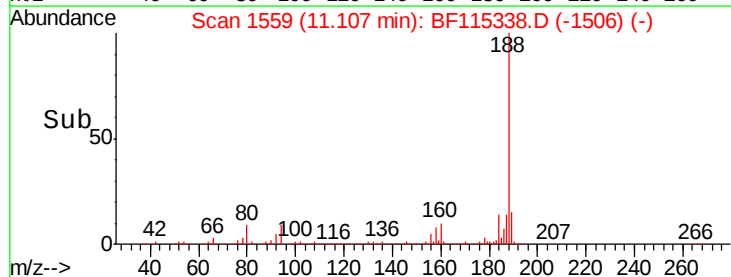
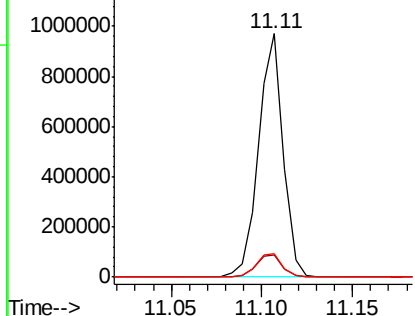


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.6	12.8
80	9.5	8.8	13.2



Abundance Ion 188.00 (187.70 to 188.70): E
1200000 Ion 94.00 (93.70 to 94.70): BF1
1000000 Ion 80.00 (79.70 to 80.70): BF1
800000
600000
400000
200000
0





#65

4,6-Dinitro-2-methylphenol

Concen: 27.011 ng

RT: 10.23 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

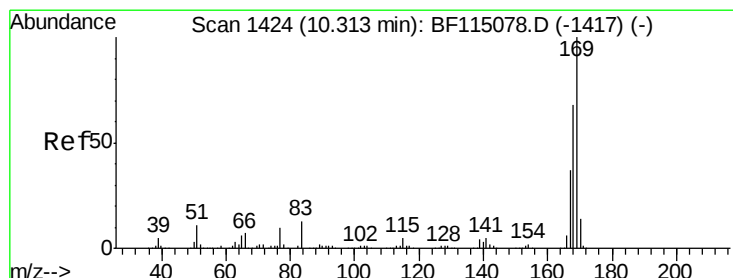
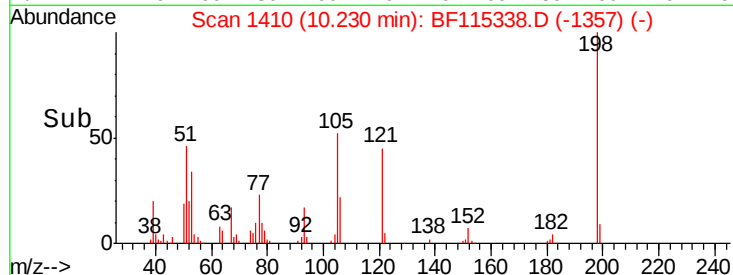
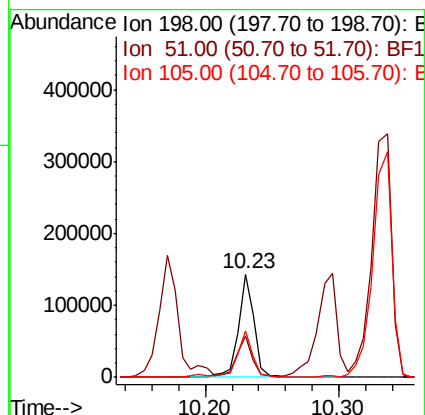
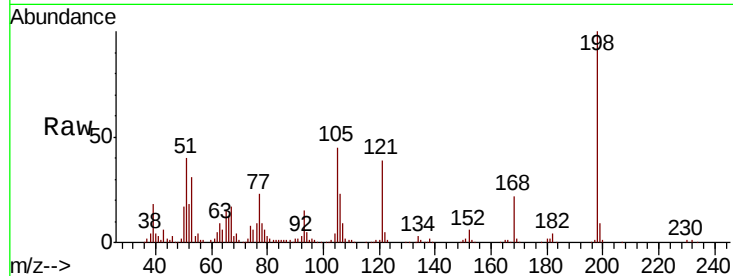
ClientSampleId :

OK-02-062719MSD

Tot Ion:	198	Resp:	119341
Ion Ratio	Lower	Upper	
198	100		
51	40.0	11.0	51.0
105	44.7	17.3	57.3

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#66

n-Nitrosodiphenylamine

Concen: 42.143 ng

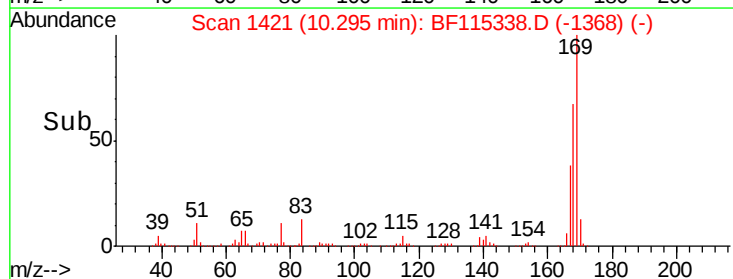
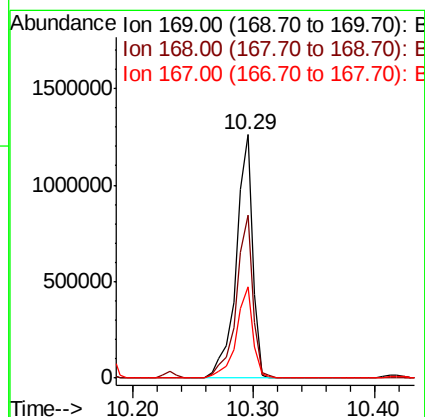
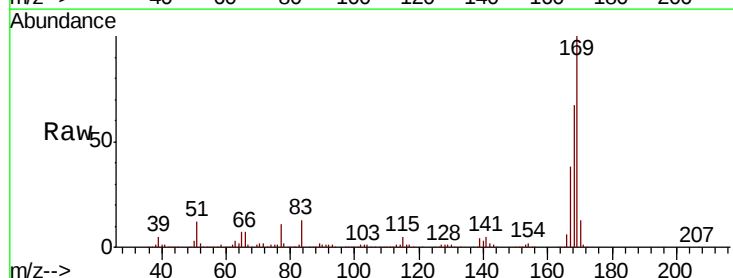
RT: 10.29 min Scan# 1421

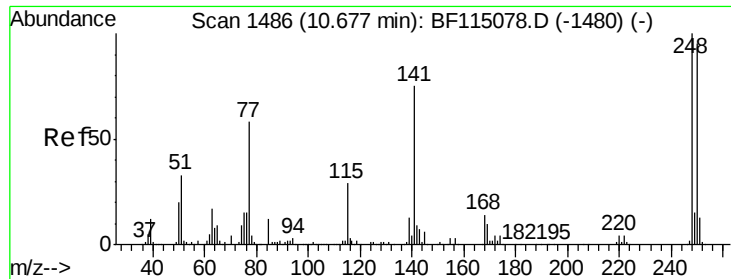
Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:	169	Resp:	1197455
Ion Ratio	Lower	Upper	
169	100		
168	67.1	54.2	81.4
167	37.6	29.4	44.0





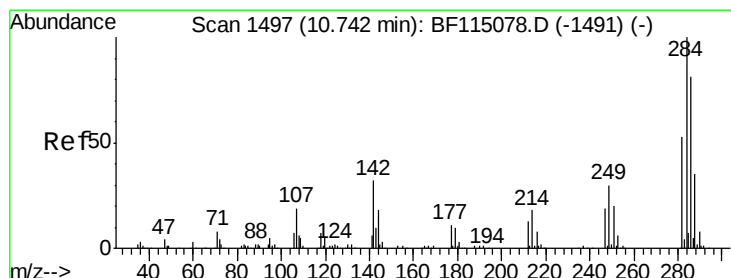
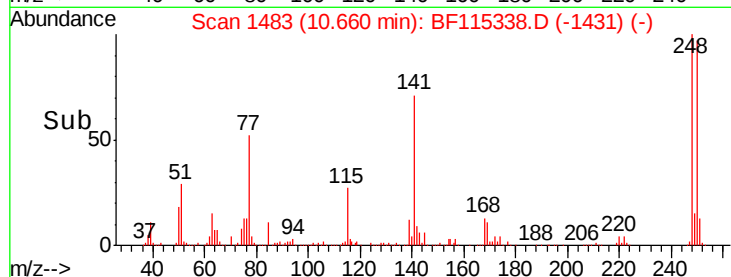
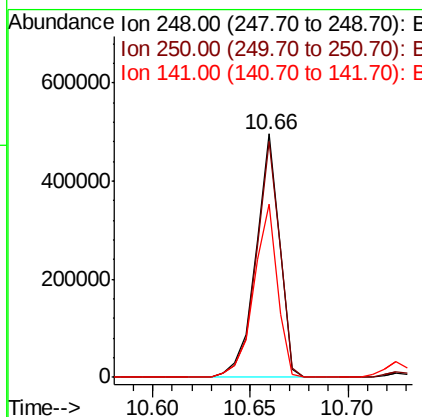
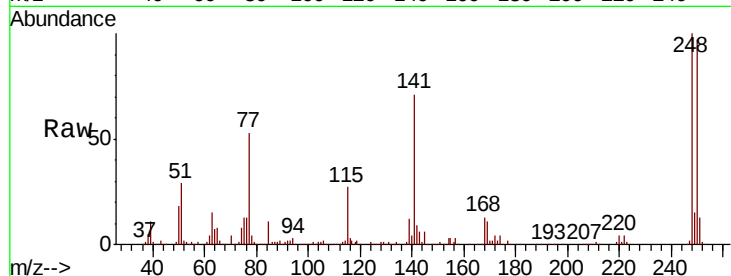
#67
 4-Bromophenyl-phenylether
 Concen: 42.058 ng
 RT: 10.66 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.8	76.2	114.2
141	71.0	59.6	89.4

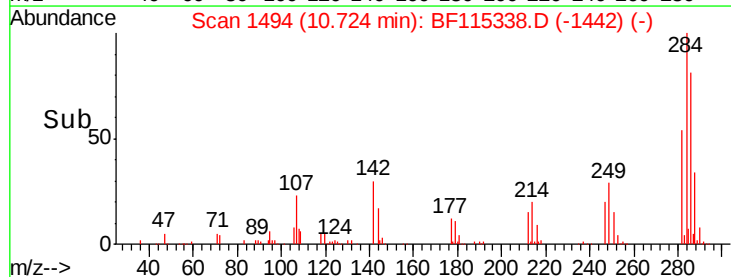
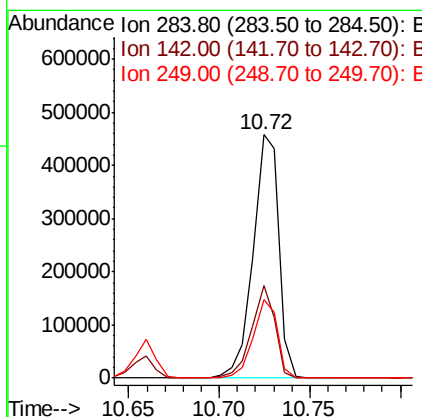
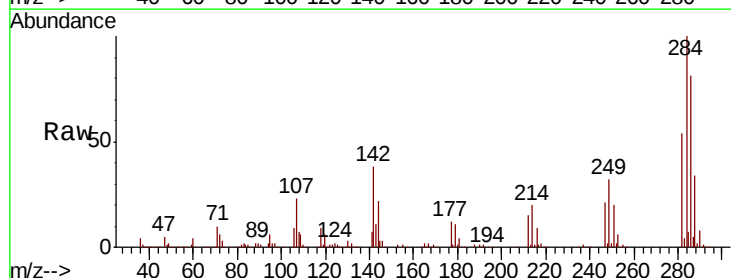
Manual Integrations
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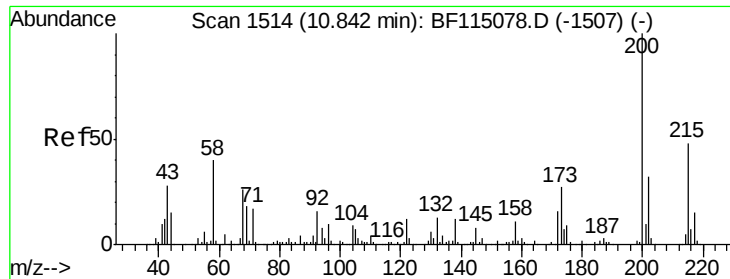
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#68
 Hexachlorobenzene
 Concen: 42.040 ng
 RT: 10.72 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.2	25.8	38.8
249	32.2	24.2	36.4





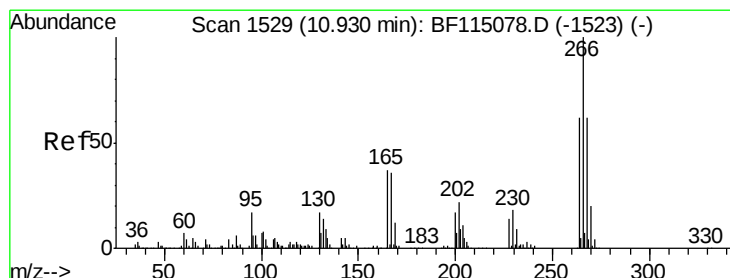
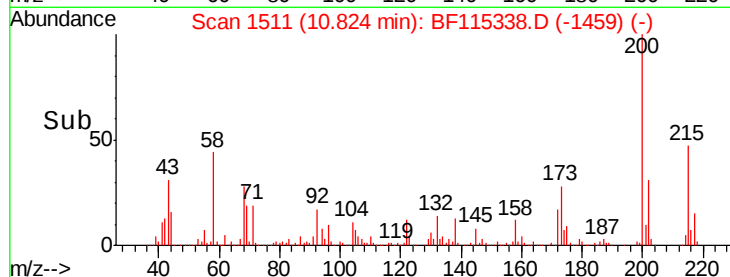
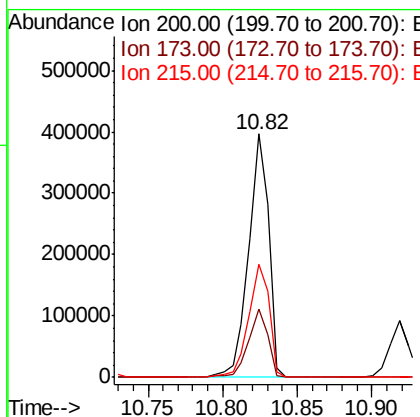
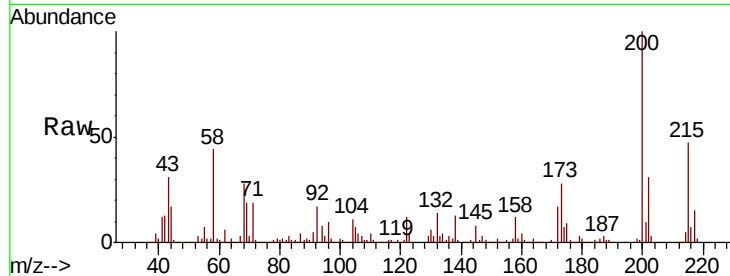
#69
Atrazine
Concen: 40.249 ng
RT: 10.82 min Scan# 1511
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.4	47.4
215	46.5	27.8	67.8

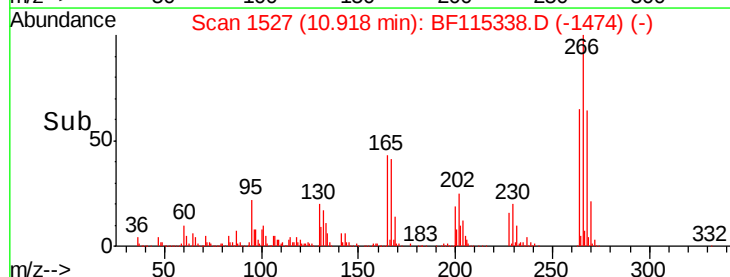
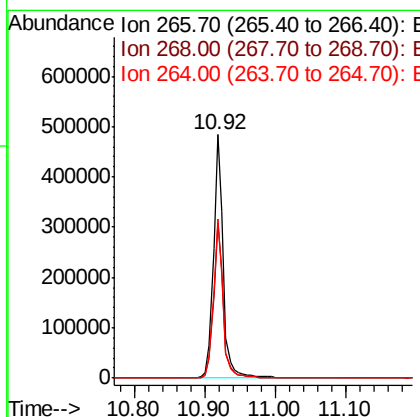
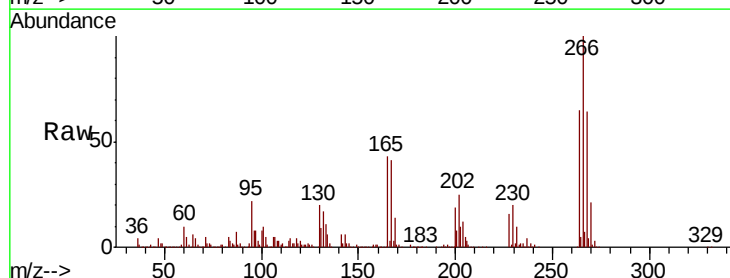
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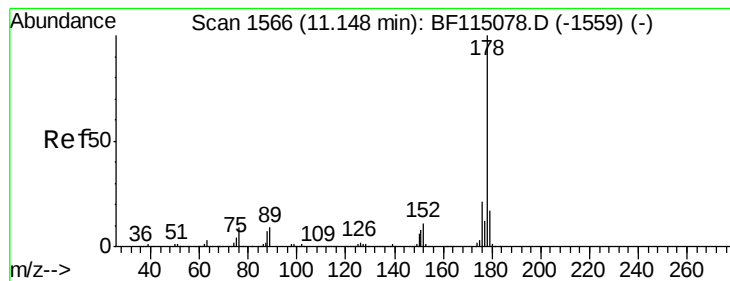
mohammad
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#70
Pentachlorophenol
Concen: 69.177 ng
RT: 10.92 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.5	74.3
264	65.5	49.3	73.9





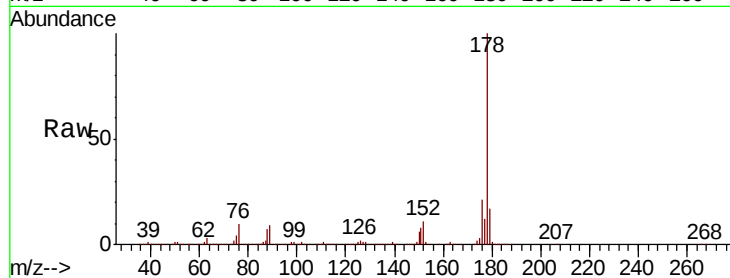
#71
Phenanthrene
Concen: 39.799 ng
RT: 11.13 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

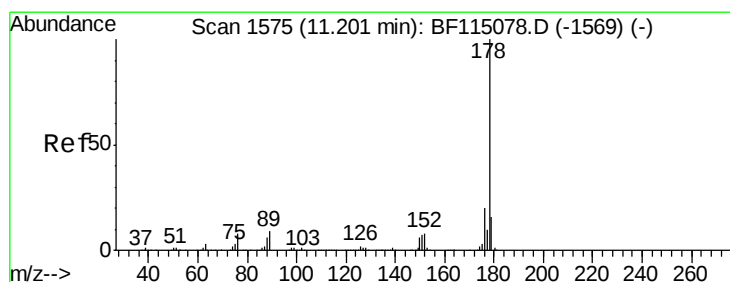
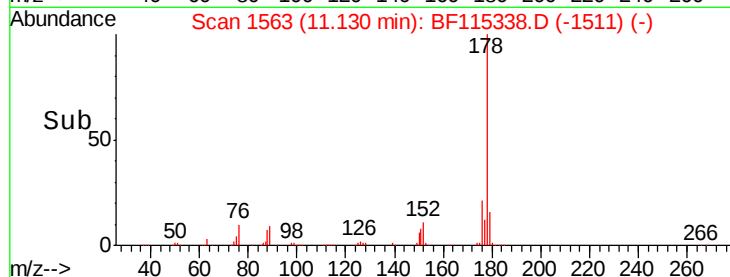
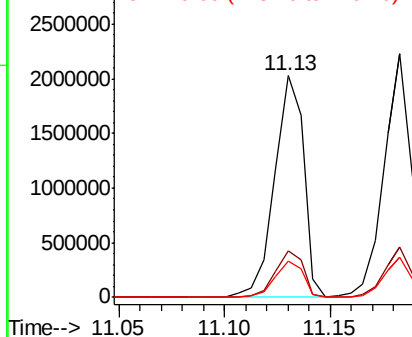
Tot Ion:178 Resp: 1954331
Ion Ratio Lower Upper
178 100
176 21.0 16.9 25.3
179 16.6 13.2 19.8

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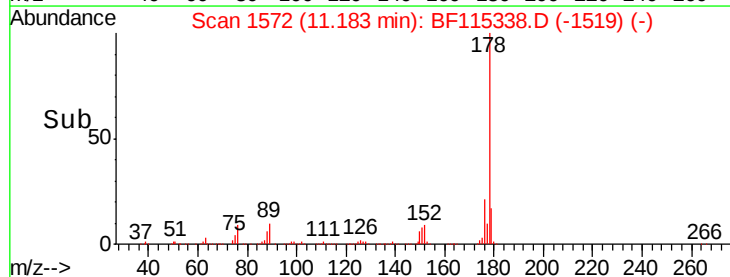
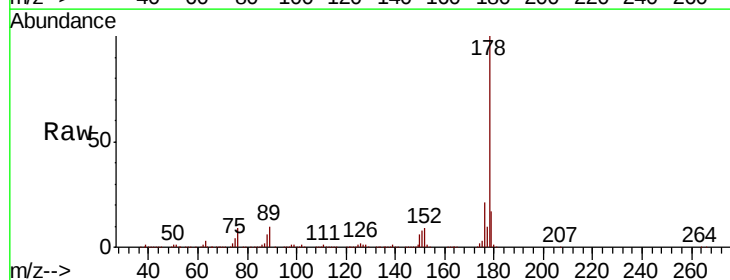
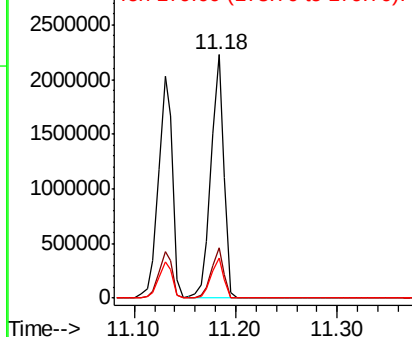
Abundance Ion 178.00 (177.70 to 178.70): E
3000000 Ion 176.00 (175.70 to 176.70): E
2500000 Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 39.891 ng
RT: 11.18 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion:178 Resp: 1977308
Ion Ratio Lower Upper
178 100
176 20.5 16.1 24.1
179 16.7 12.9 19.3

Abundance Ion 178.00 (177.70 to 178.70): E
3000000 Ion 176.00 (175.70 to 176.70): E
2500000 Ion 179.00 (178.70 to 179.70): E





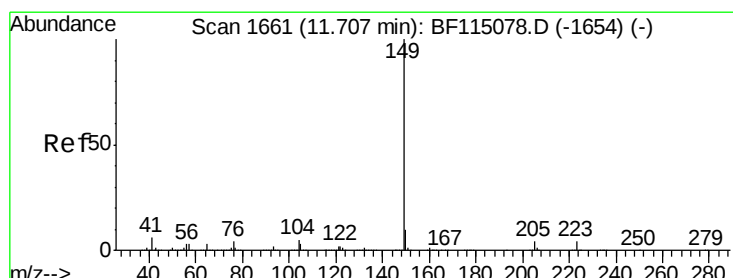
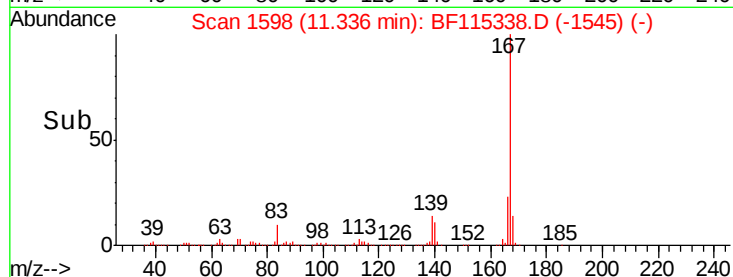
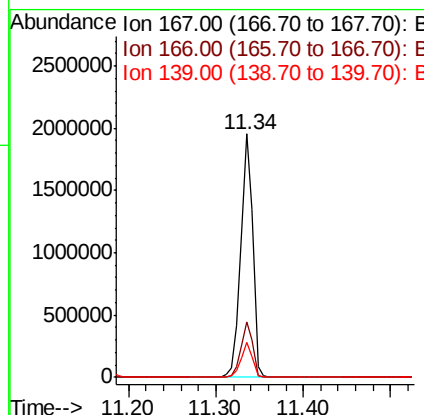
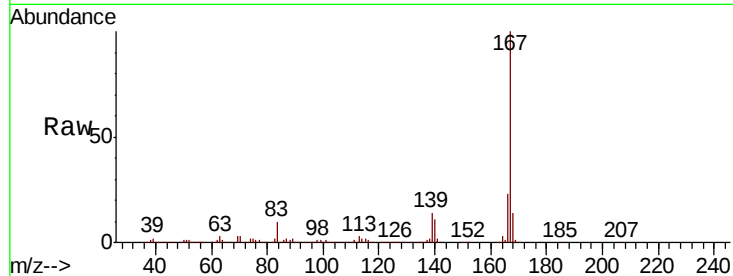
#73
 Carbazole
 Concen: 41.007 ng
 RT: 11.34 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.0	27.0
139	14.4	11.1	16.7

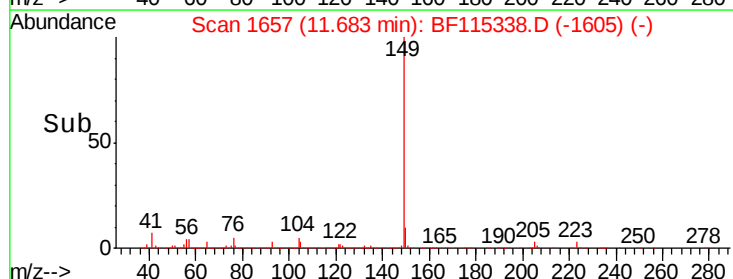
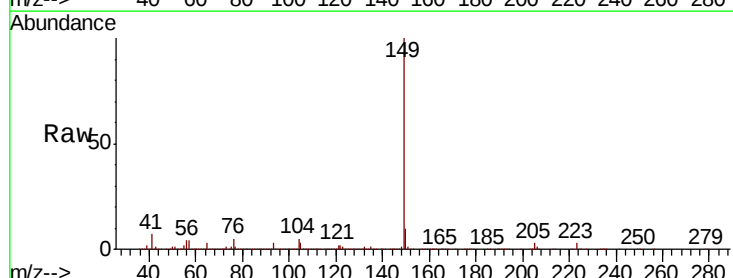
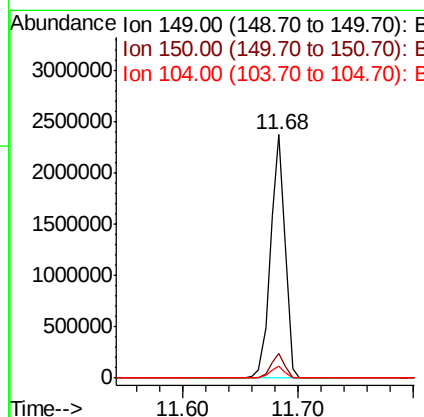
Manual Integrations
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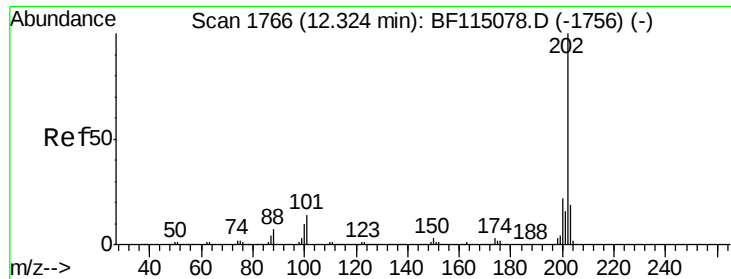
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#74
 Di-n-butylphthalate
 Concen: 41.130 ng
 RT: 11.68 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.8	11.8
104	4.9	3.7	5.5





#75

Fluoranthene

Concen: 40.707 ng

RT: 12.31 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

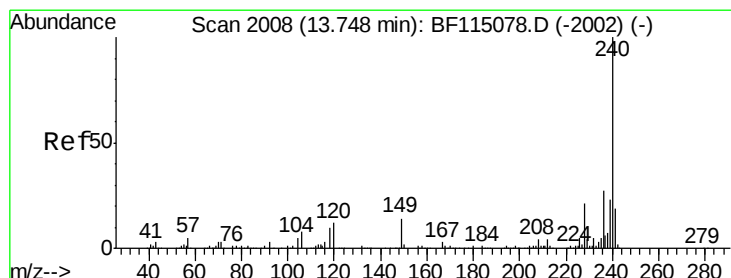
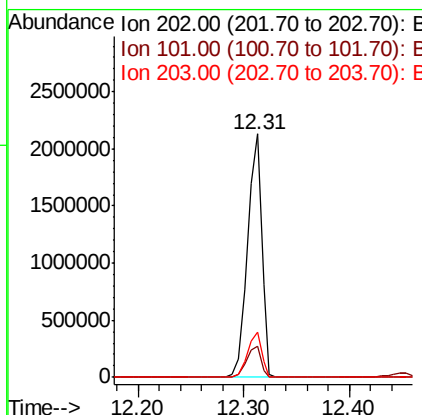
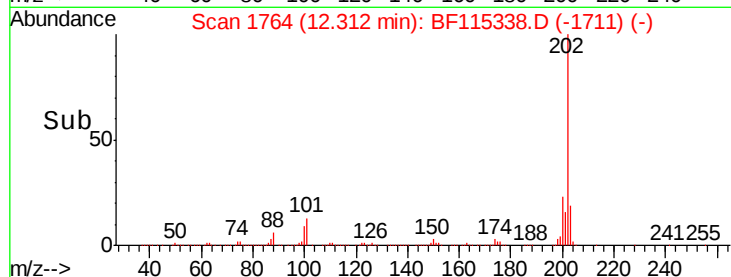
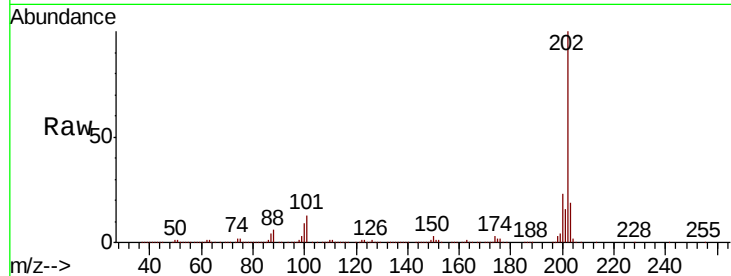
ClientSampleId :

OK-02-062719MSD

Tot Ion:	202	Resp:	1994429
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.0
203	18.8	0.0	38.8

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#76

Chrysene-d12

Concen: 20.000 ng

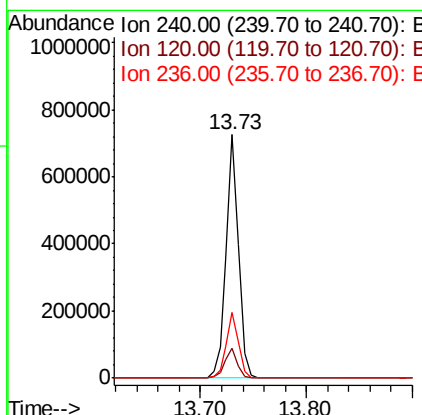
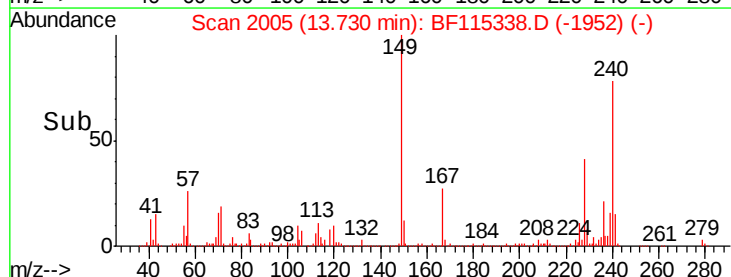
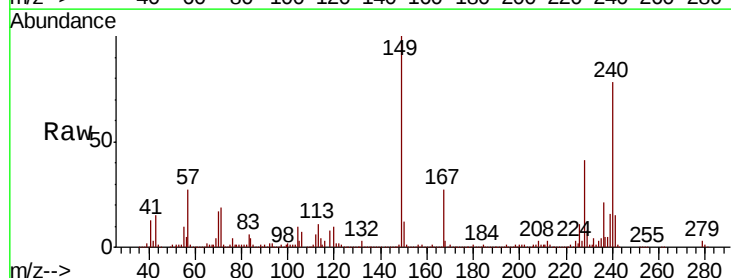
RT: 13.73 min Scan# 2005

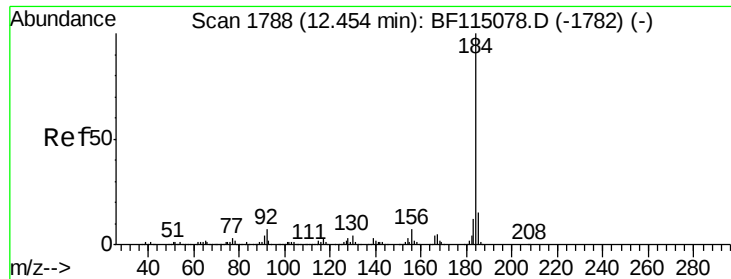
Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:	240	Resp:	594751
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.4	14.2
236	27.0	21.7	32.5





#77

Benzidine

Concen: 23.415 ng

RT: 12.44 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:184 Resp: 618386

Ion Ratio Lower Upper

184 100

185 19.2 12.2 18.2#

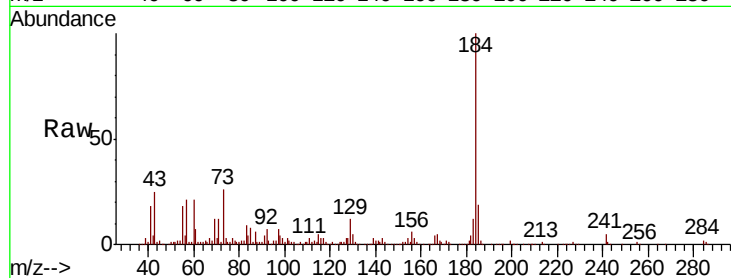
183 12.0 9.6 14.4

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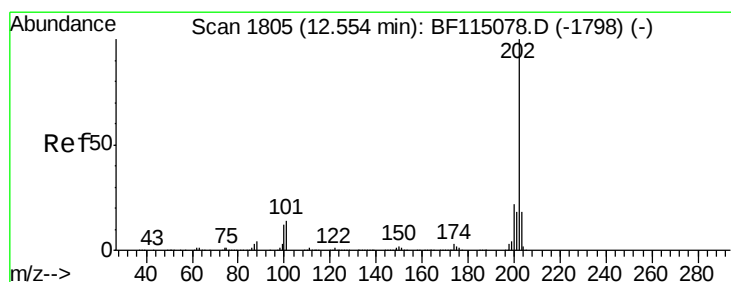
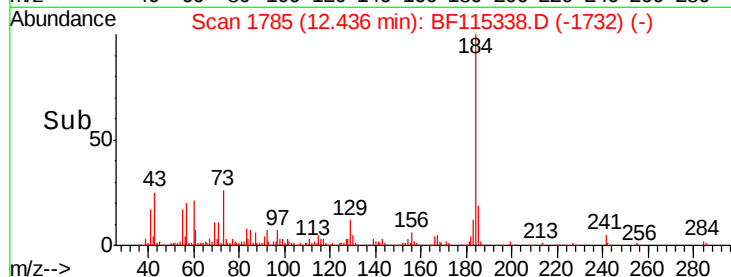
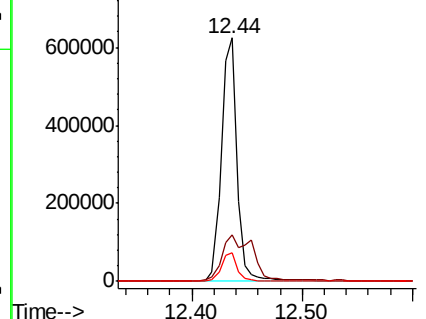
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.467 ng

RT: 12.54 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

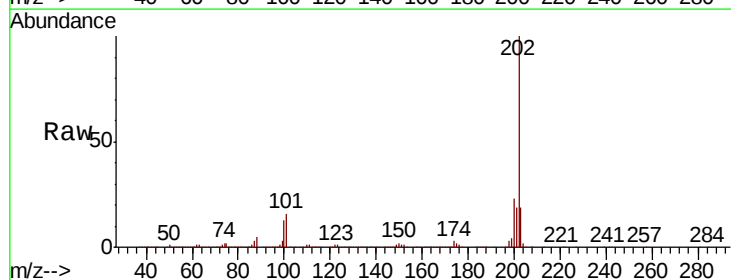
Tgt Ion:202 Resp: 2032469

Ion Ratio Lower Upper

202 100

200 23.2 17.9 26.9

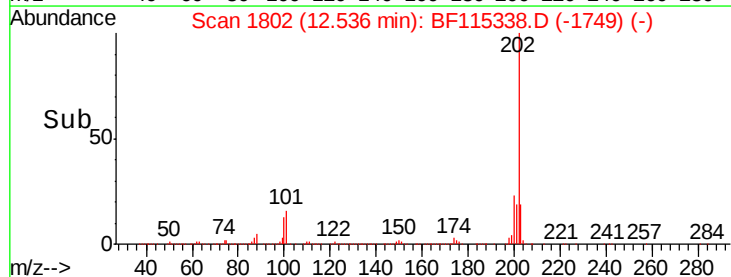
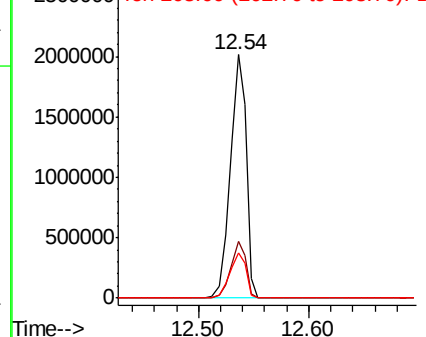
203 18.6 14.6 21.8



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





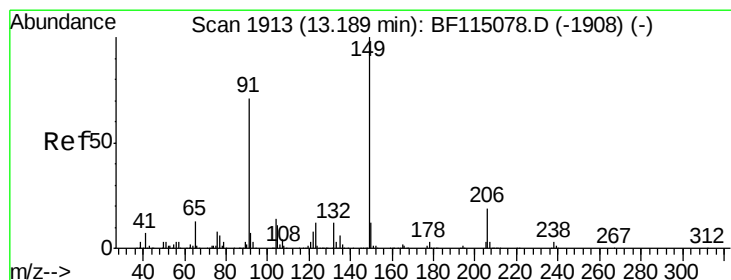
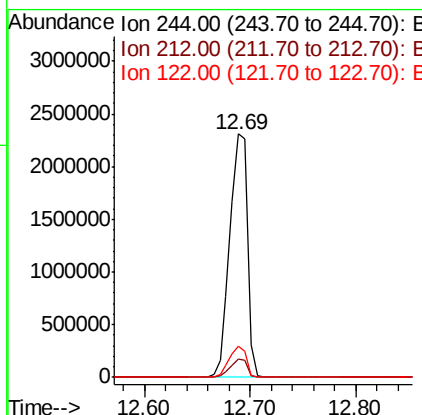
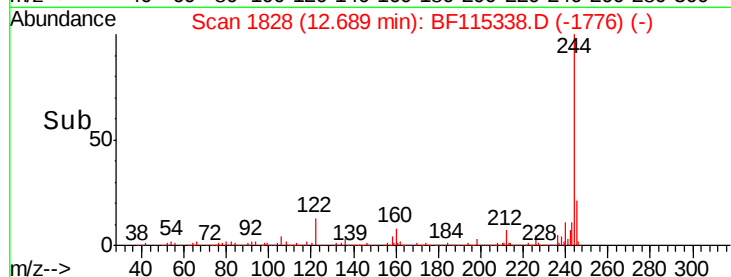
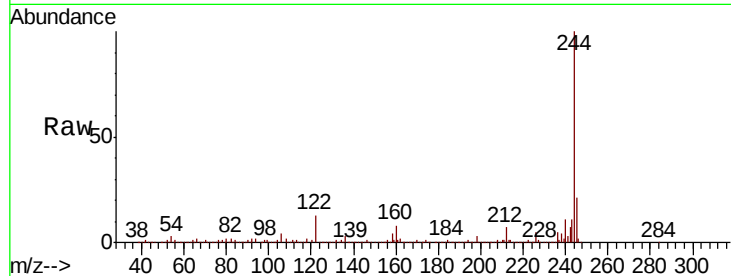
#79
 Terphenyl-d14
 Concen: 95.165 ng
 RT: 12.69 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-062719MSD

Tot Ion:244 Resp: 2662070
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 12.7 10.4 15.6

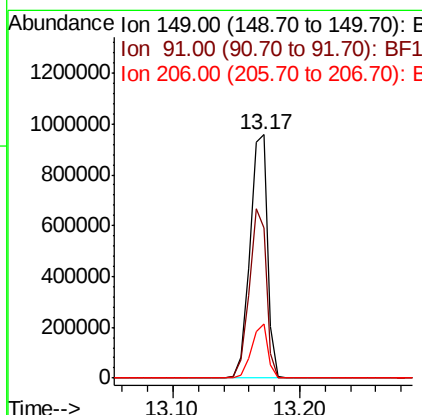
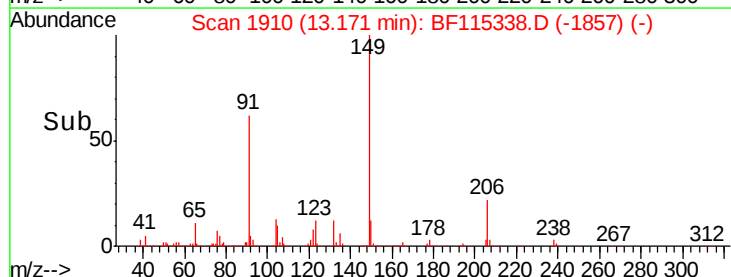
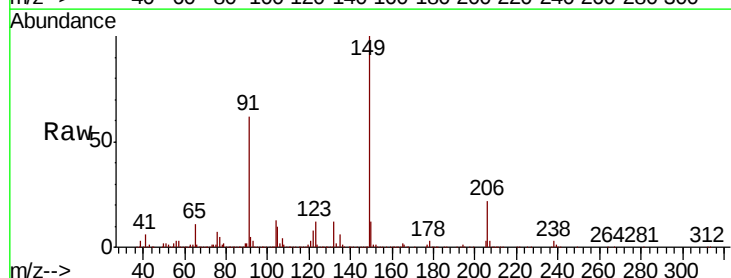
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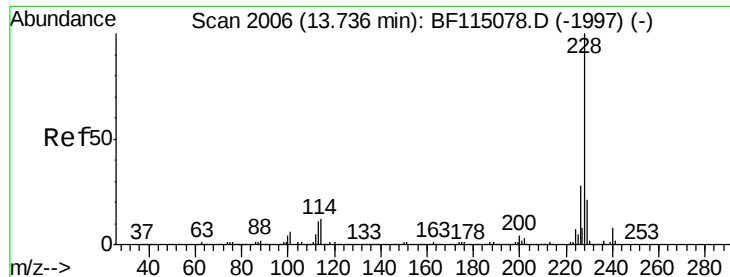
mohammad
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#80
 Butylbenzylphthalate
 Concen: 46.015 ng
 RT: 13.17 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: BF115338.D
 Acq: 1 Jul 2019 15:08

Tgt Ion:149 Resp: 928175
 Ion Ratio Lower Upper
 149 100
 91 61.9 56.5 84.7
 206 22.0 15.3 22.9





#81

Benzo(a)anthracene

Concen: 43.169 ng

RT: 13.72 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:228 Resp: 1842272

Ion Ratio Lower Upper

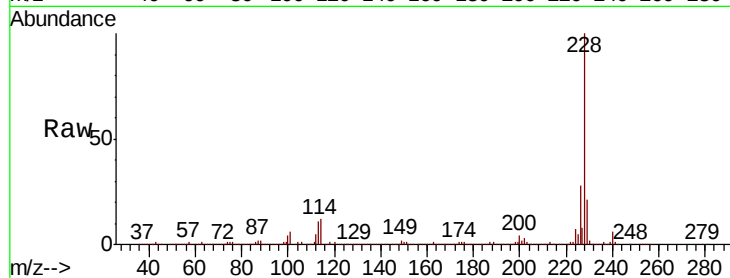
228 100

226 28.3 22.5 33.7

229 21.0 16.6 24.8

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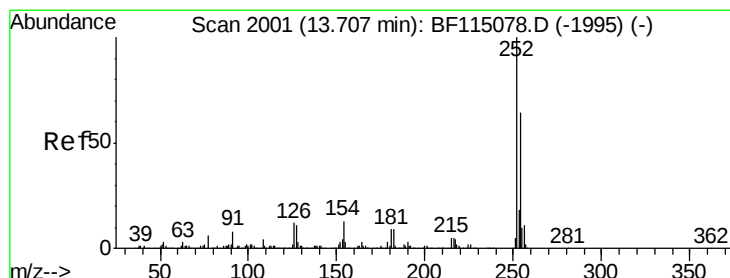
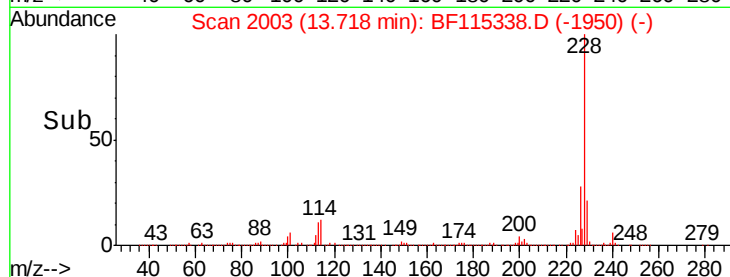
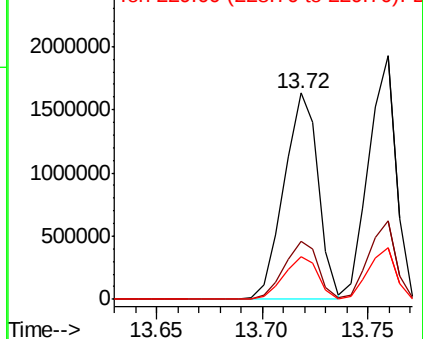


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 18.173 ng

RT: 13.68 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

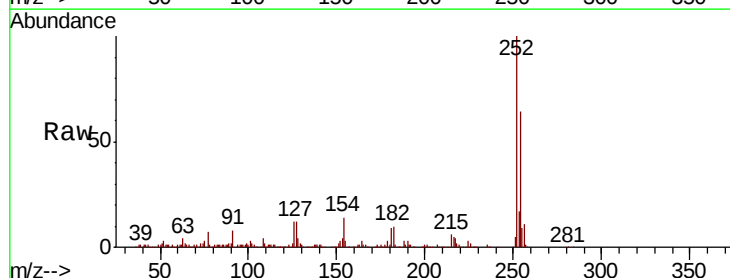
Tgt Ion:252 Resp: 280056

Ion Ratio Lower Upper

252 100

254 63.6 51.1 76.7

126 12.1 9.4 14.0

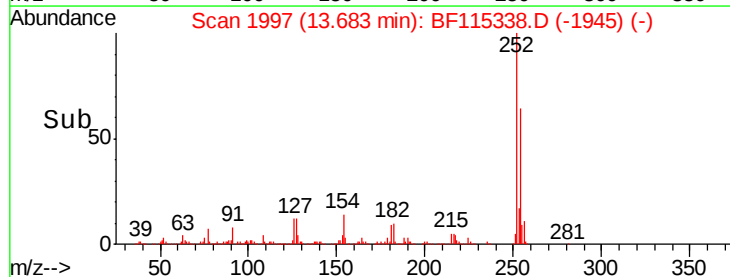
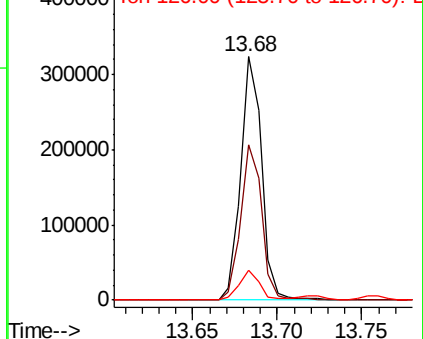


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





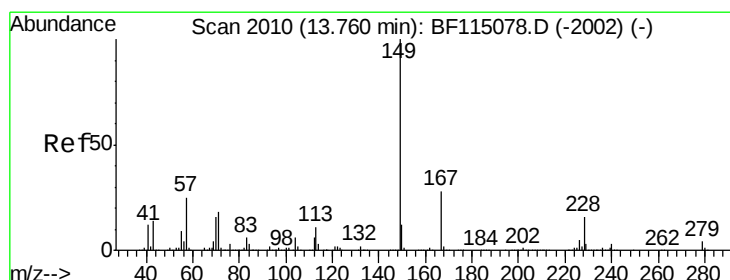
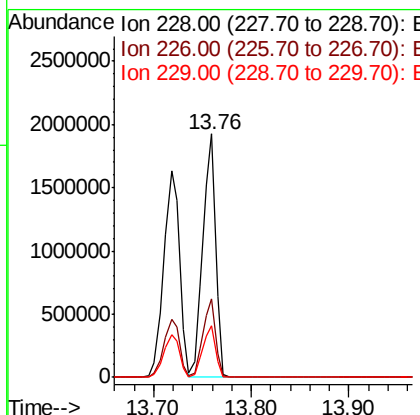
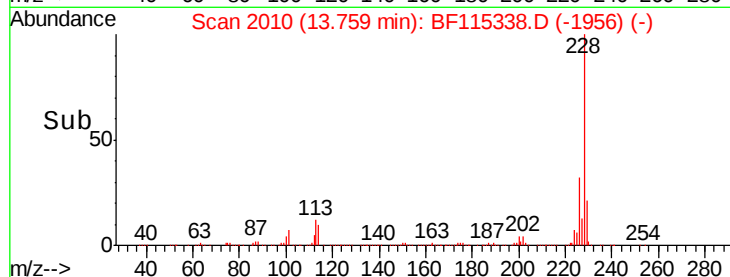
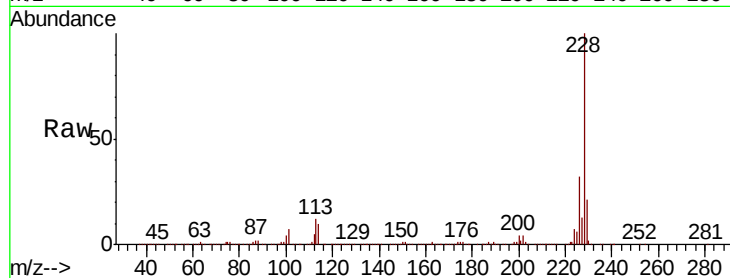
#83
Chrysene
Concen: 45.131 ng
RT: 13.76 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion:228 Resp: 1764240
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.0
229 21.0 16.5 24.7

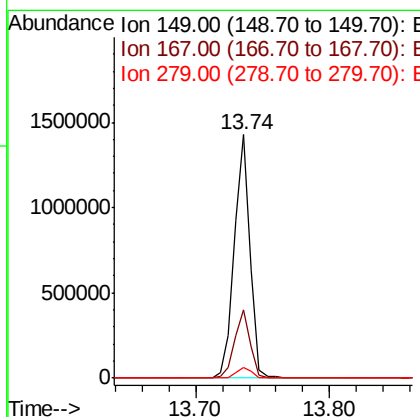
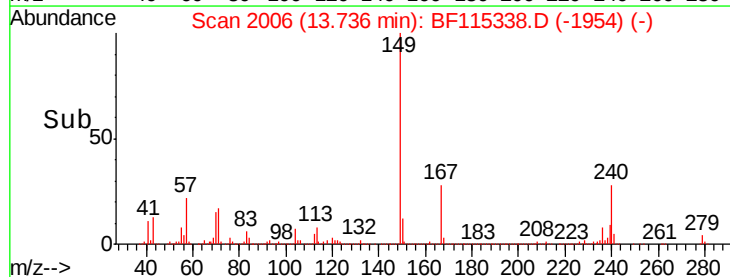
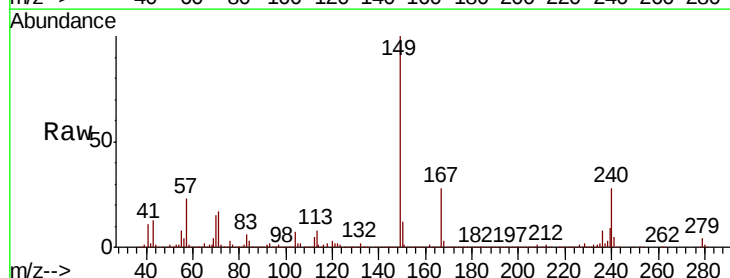
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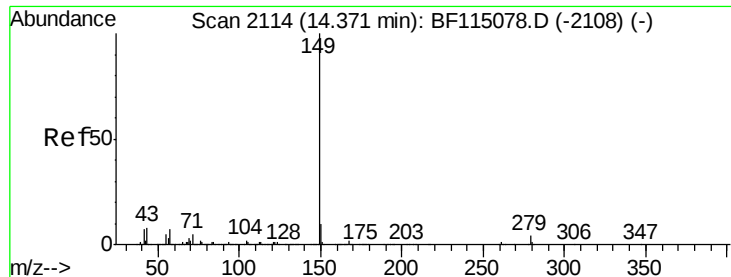
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 44.737 ng
RT: 13.74 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion:149 Resp: 1182402
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.4
279 4.1 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 47.837 ng

RT: 14.35 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:149 Resp: 2124309

Ion Ratio Lower Upper

149 100

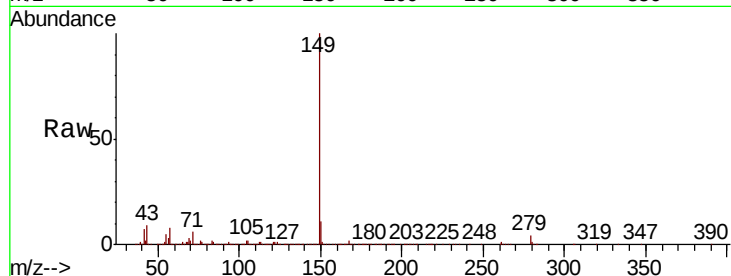
167 1.6 1.2 1.8

43 8.3 7.0 10.6

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Abundance Ion 149.00 (148.70 to 149.70): E

3000000 Ion 167.00 (166.70 to 167.70): E

2500000 Ion 43.00 (42.70 to 43.70): BF1

2000000

1500000

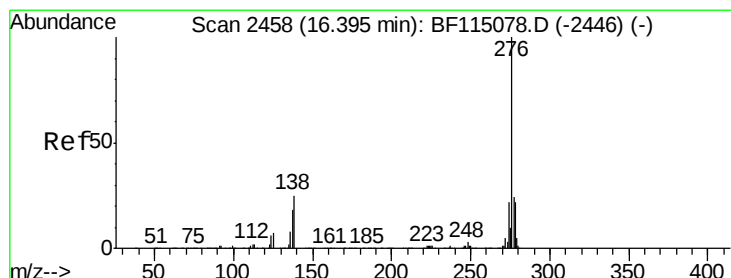
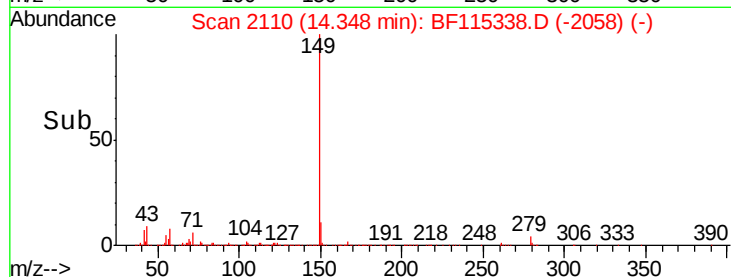
1000000

500000

0

14.30 14.35 14.40

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.840 ng

RT: 16.39 min Scan# 2457

Delta R.T. 0.04 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

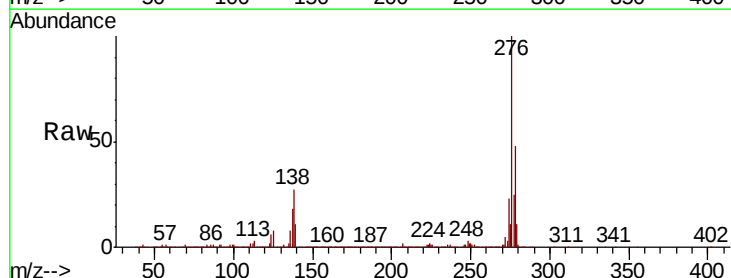
Tgt Ion:276 Resp: 1889147

Ion Ratio Lower Upper

276 100

138 28.2 23.2 34.8

277 25.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

1000000 Ion 138.00 (137.70 to 138.70): E

800000 Ion 277.00 (276.70 to 277.70): E

600000

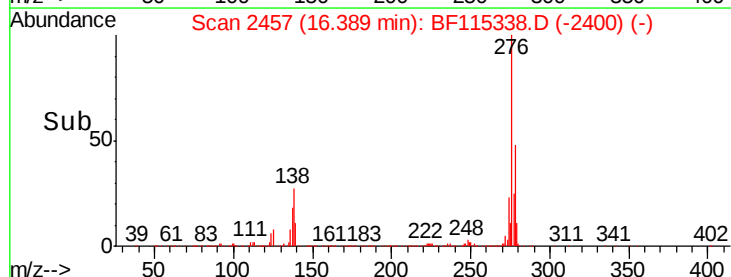
400000

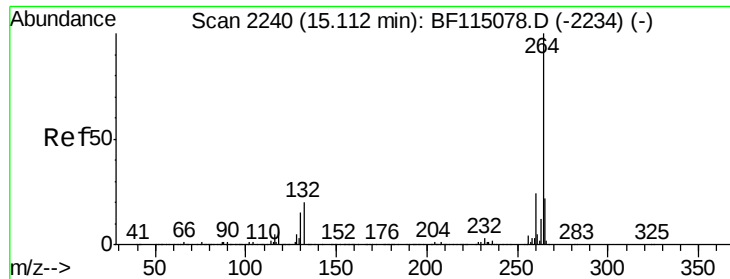
200000

0

16.20 16.39 16.60

Time-->





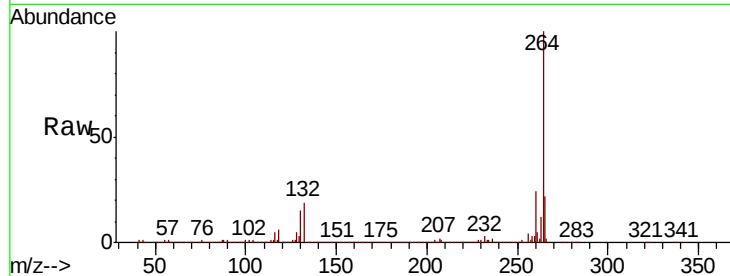
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2239
Delta R.T. 0.02 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.7	17.3	25.9

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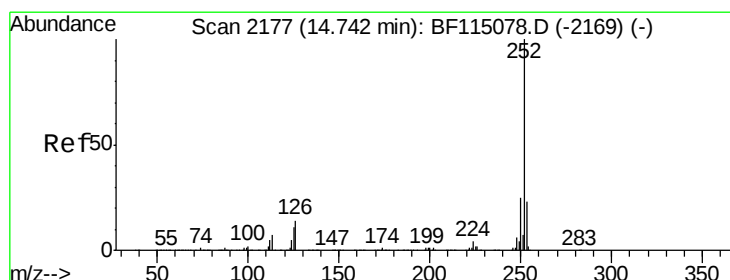
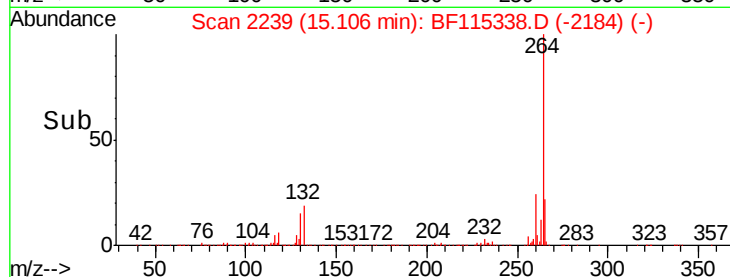
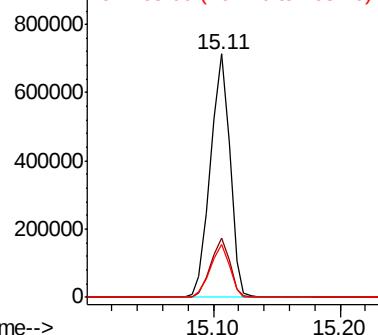


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 42.028 ng
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

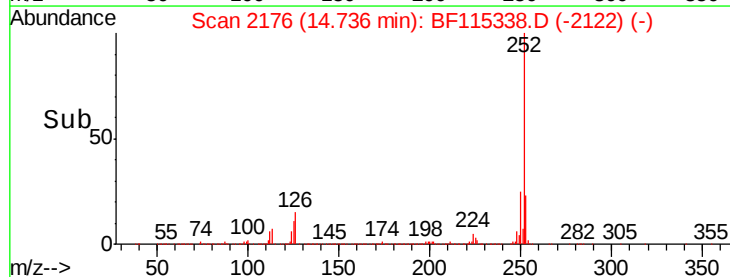
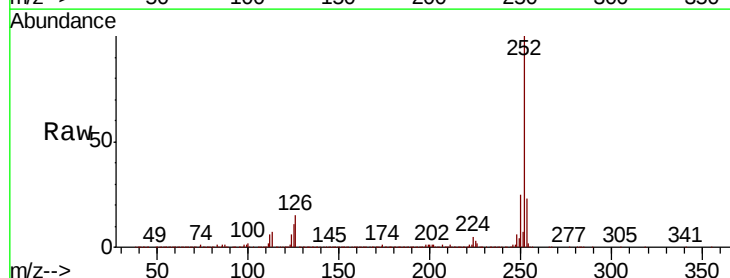
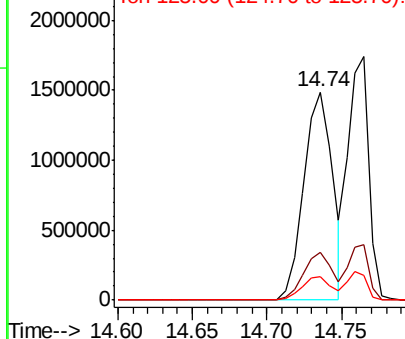
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.3	8.7	13.1

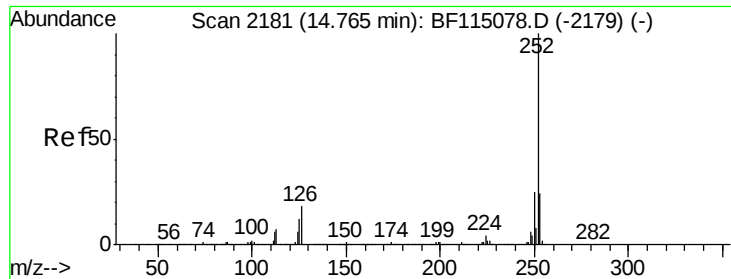
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 40.306 ng m

RT: 14.77 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_F

ClientSampleId :

OK-02-062719MSD

Tot Ion:252 Resp: 1704166

Ion Ratio Lower Upper

252 100

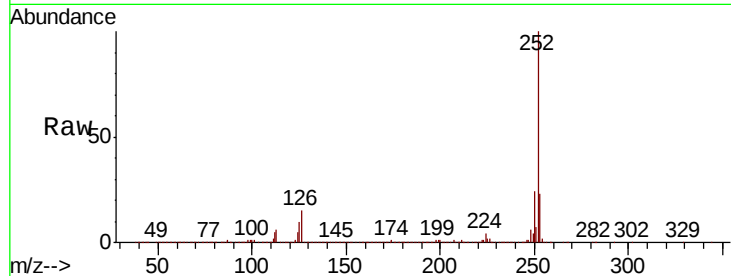
253 22.9 18.9 28.3

125 9.9 10.2 15.2#

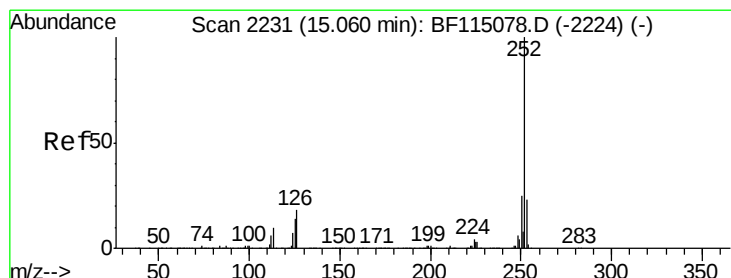
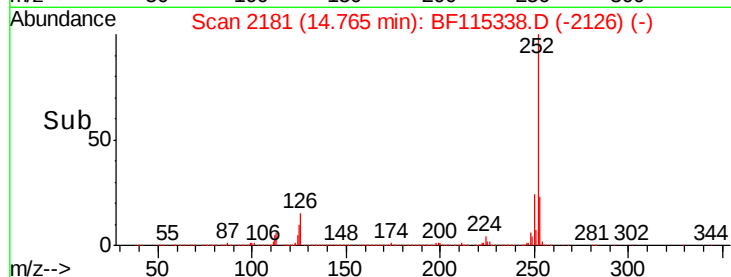
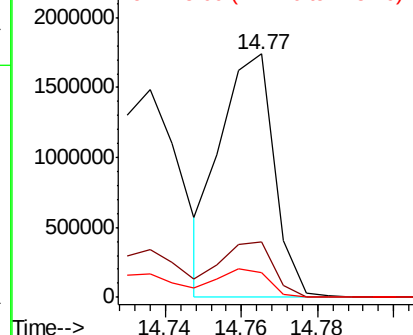
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 42.835 ng

RT: 15.05 min Scan# 2230

Delta R.T. 0.02 min

Lab File: BF115338.D

Acq: 1 Jul 2019 15:08

Tgt Ion:252 Resp: 1820228

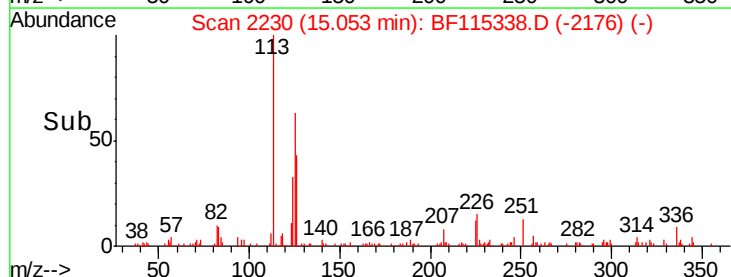
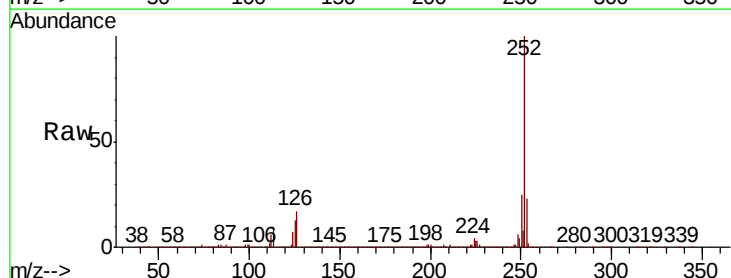
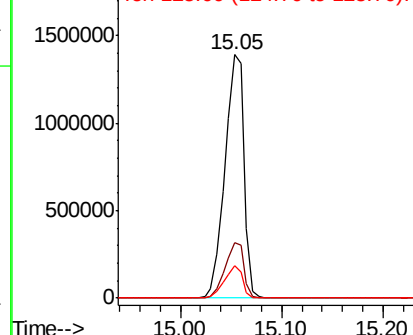
Ion Ratio Lower Upper

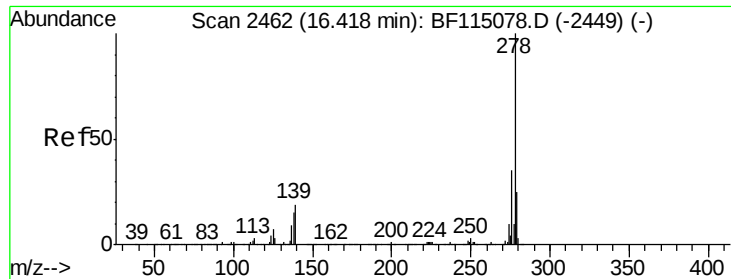
252 100

253 22.8 18.3 27.5

125 13.3 10.9 16.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





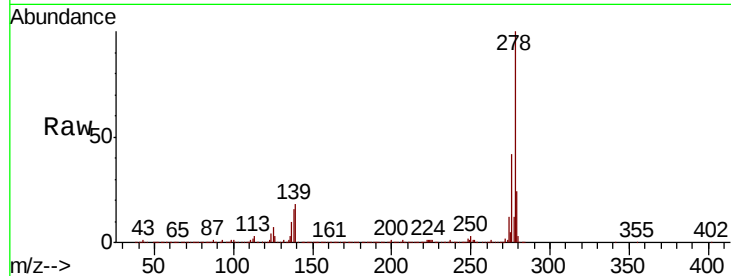
#91
Dibenzo(a,h)anthracene
Concen: 39.083 ng
RT: 16.41 min Scan# 2460
Delta R.T. 0.04 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_F
ClientSampleId :
OK-02-062719MSD

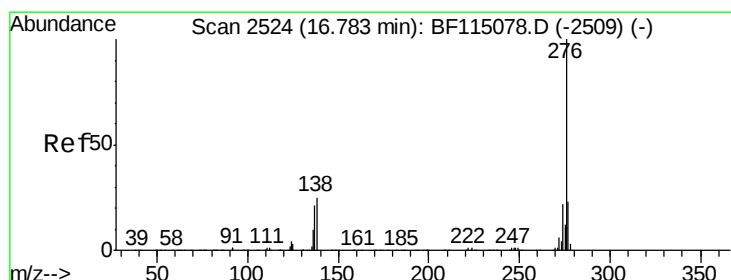
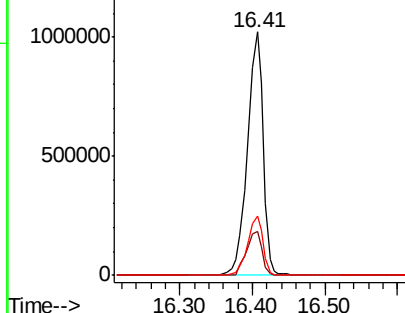
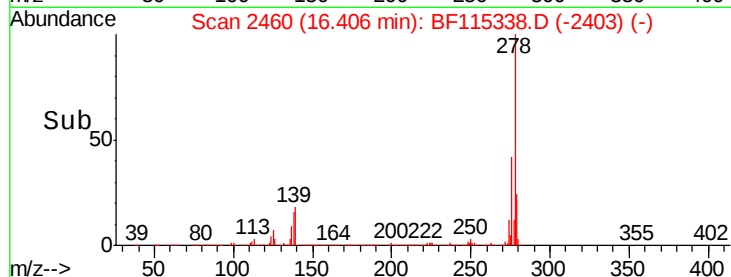
Tot Ion:278 Resp: 1550464
Ion Ratio Lower Upper
278 100
139 18.0 15.4 23.2
279 24.3 19.9 29.9

Manual Integrations
APPROVED

mohammad
7/2/2019 2:53:36 PM

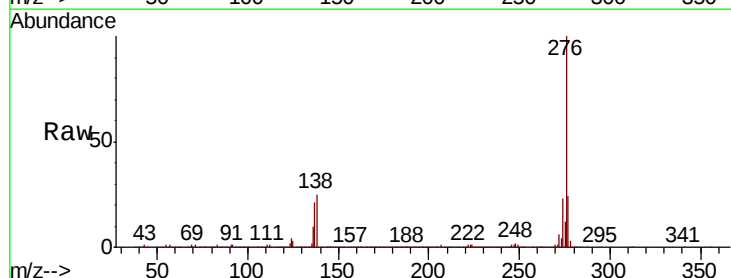


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 38.925 ng
RT: 16.77 min Scan# 2522
Delta R.T. 0.04 min
Lab File: BF115338.D
Acq: 1 Jul 2019 15:08

Tgt Ion:276 Resp: 1562875
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 24.7 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

