

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
 Data File : BF114615.D
 Acq On : 25 May 2019 20:16
 Operator : JU/SJ
 Sample : PB119956BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

Manual Integrations
 APPROVED

mohammad
 5/27/2019 3:50:15 AM

Quant Time: May 27 00:58:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	141992	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	530598	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	246637	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	481248	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	348964	20.00	ng	-0.02
87) Perylene-d12	15.43	264	327926	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1125366	127.54	ng	0.00
7) Phenol-d6	6.45	99	1412390	135.34	ng	-0.01
23) Nitrobenzene-d5	7.37	82	850839	89.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	336319	131.90	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1541793	94.56	ng	-0.02
79) Terphenyl-d14	12.90	244	1540096	90.98	ng	-0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.61	88	209169	43.129	ng	98
3) Pyridine	3.36	79	401977	30.083	ng	98
4) n-Nitrosodimethylamine	3.31	42	216838	33.651	ng	97
6) Aniline	6.47	93	411028	27.266	ng	# 58
8) 2-Chlorophenol	6.59	128	407358	43.246	ng	96
9) Benzaldehyde	6.35	77	195725	26.790	ng	96
10) Phenol	6.46	94	495059	40.326	ng	86
11) bis(2-Chloroethyl)ether	6.53	93	389074	41.746	ng	99
12) 1,3-Dichlorobenzene	6.74	146	428438	40.520	ng	98
13) 1,4-Dichlorobenzene	6.82	146	435985	40.920	ng	98
14) 1,2-Dichlorobenzene	6.97	146	404070	41.511	ng	98
15) Benzyl Alcohol	6.95	79	317297	38.984	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	685468	37.932	ng	58
17) 2-Methylphenol	7.07	107	318815	41.203	ng	# 89
18) Hexachloroethane	7.31	117	158947	39.743	ng	95
19) n-Nitroso-di-n-propylamine	7.22	70	272573	41.207	ng	98
20) 3+4-Methylphenols	7.22	107	420339	47.018	ng	# 69
22) Acetophenone	7.21	105	547114	46.545	ng	# 89
24) Nitrobenzene	7.39	77	421691	43.791	ng	97
25) Isophorone	7.62	82	761690	43.439	ng	98
26) 2-Nitrophenol	7.70	139	218636	46.797	ng	99
27) 2,4-Dimethylphenol	7.75	122	350956	47.829	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	481475	42.319	ng	98
29) 2,4-Dichlorophenol	7.95	162	335512	45.919	ng	100
30) 1,2,4-Trichlorobenzene	8.03	180	354979	42.724	ng	99
31) Naphthalene	8.10	128	1148523	46.339	ng	97
32) Benzoic acid	7.90	122	191300m	38.236	ng	
33) 4-Chloroaniline	8.16	127	298882	26.463	ng	98
34) Hexachlorobutadiene	8.22	225	198993	42.093	ng	99
35) Caprolactam	8.53	113	108012m	45.336	ng	
36) 4-Chloro-3-methylphenol	8.66	107	346232	47.076	ng	97
37) 2-Methylnaphthalene	8.80	142	764403	47.802	ng	98
38) 1-Methylnaphthalene	8.90	142	725284	48.162	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	350490	46.912	ng	99

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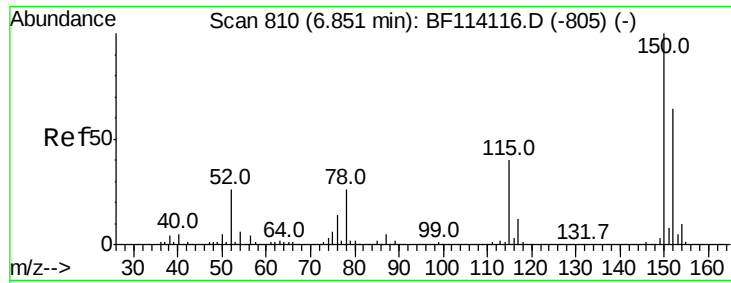
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 5/27/2019 3:50:15 AM

Quant Time: May 27 00:58:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	149659	44.997	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	209968	40.859	nq	98
44) 2,4,5-Trichlorophenol	9.13	196	218043	41.373	nq	96
46) 1,1'-Biphenyl	9.26	154	926017	46.475	nq	98
47) 2-Chloronaphthalene	9.29	162	709419	44.241	nq	98
48) 2-Nitroaniline	9.39	65	231494	40.706	nq	97
49) Acenaphthylene	9.70	152	1111643	45.580	nq	98
50) Dimethylphthalate	9.56	163	780045	43.083	nq	99
51) 2,6-Dinitrotoluene	9.63	165	175870	43.795	nq	98
52) Acenaphthene	9.87	154	658843	44.023	nq	99
53) 3-Nitroaniline	9.80	138	135731	27.228	nq	93
54) 2,4-Dinitrophenol	9.93	184	140907	70.643	nq	92
55) Dibenzofuran	10.05	168	951695	43.366	nq	98
56) 4-Nitrophenol	9.99	139	175458	49.771	nq	99
57) 2,4-Dinitrotoluene	10.04	165	219732	40.313	nq	# 78
58) Fluorene	10.39	166	775123	45.727	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	181339	39.878	nq	99
60) Diethylphthalate	10.26	149	787206	42.792	nq	98
61) 4-Chlorophenyl-phenylether	10.37	204	373283	44.836	nq	97
62) 4-Nitroaniline	10.42	138	189823	36.238	nq	96
63) Azobenzene	10.54	77	756593	42.489	nq	96
65) 4,6-Dinitro-2-methylphenol	10.46	198	101698	43.978	nq	89
66) n-Nitrosodiphenylamine	10.50	169	675811	46.269	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	231609	43.710	nq	95
68) Hexachlorobenzene	10.95	284	246042	41.973	nq	# 91
69) Atrazine	11.02	200	196390	43.207	nq	98
70) Pentachlorophenol	11.15	266	148950	53.603	nq	99
71) Phenanthrene	11.35	178	1085702	46.371	nq	98
72) Anthracene	11.40	178	1137305	48.362	nq	99
73) Carbazole	11.56	167	1050387	46.839	nq	99
74) Di-n-butylphthalate	11.88	149	1210861	46.868	nq	99
75) Fluoranthene	12.54	202	1175954	46.641	nq	99
77) Benzidine	12.66	184	583364	37.241	nq	97
78) Pyrene	12.77	202	1184577	42.197	nq	99
80) Butylbenzylphthalate	13.37	149	533049	45.113	nq	98
81) Benzo(a)anthracene	13.96	228	983704	43.583	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	285234	32.576	nq	99
83) Chrysene	14.00	228	999298	45.164	nq	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	725985	46.978	nq	99
85) Di-n-octyl phthalate	14.54	149	1182550	47.205	nq	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	883364	45.175	nq	99
88) Benzo(b)fluoranthene	15.00	252	1015542	48.339	nq	99
89) Benzo(k)fluoranthene	15.03	252	849319	44.009	nq	98
90) Benzo(a)pyrene	15.37	252	871939	47.159	nq	98
91) Dibenzo(a,h)anthracene	16.89	278	744882	48.483	nq	99
92) Benzo(g,h,i)perylene	17.33	276	770533	50.045	nq	99

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



#1

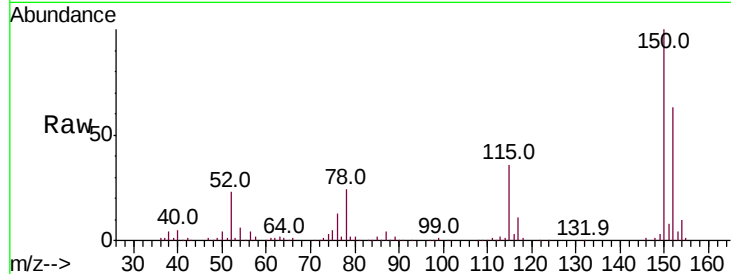
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.3	186.5
115	57.5	49.1	73.7

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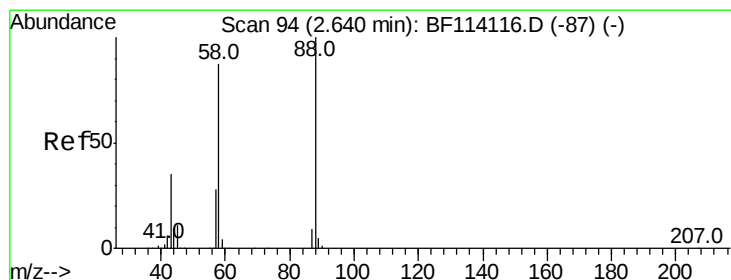
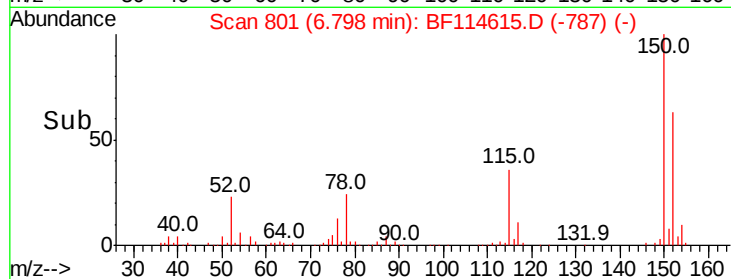
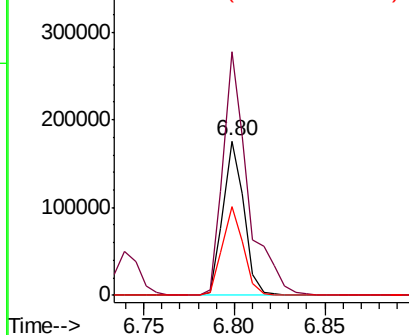


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

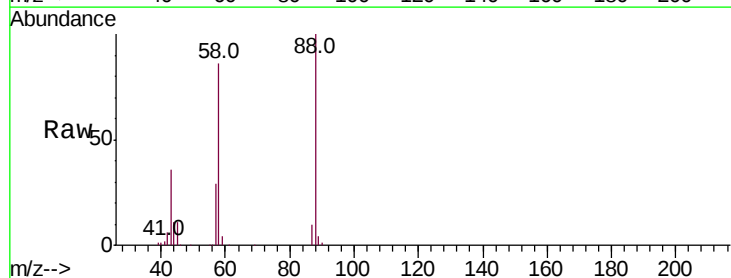
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 43.129 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.05 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.8	68.7	103.1
43	34.8	28.2	42.2

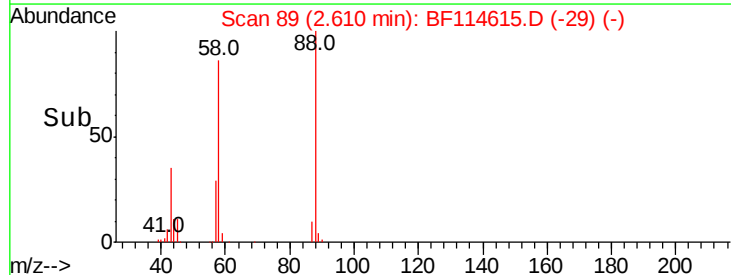
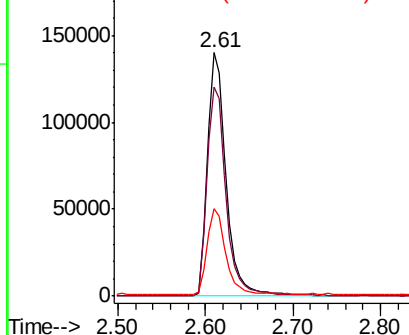


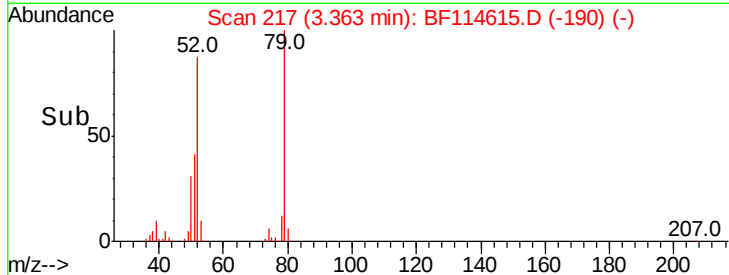
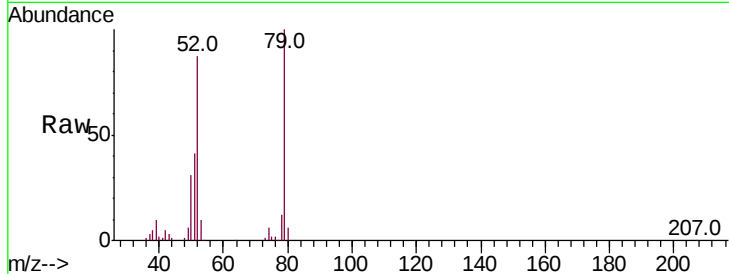
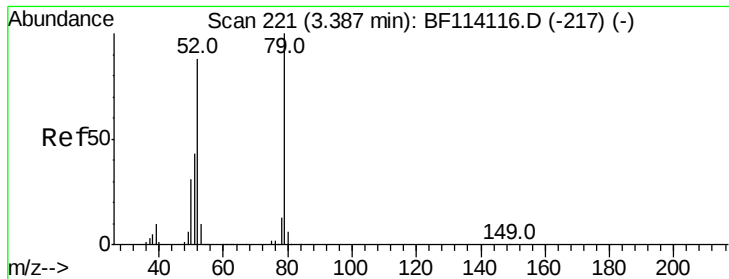
Abundance

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





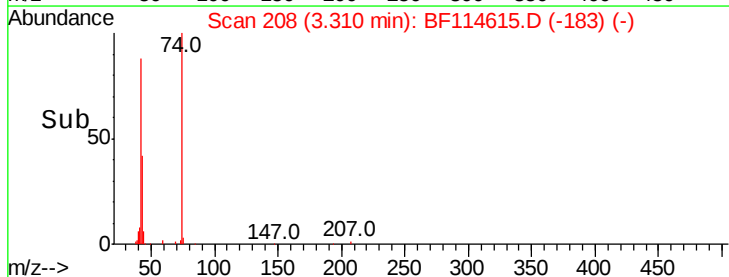
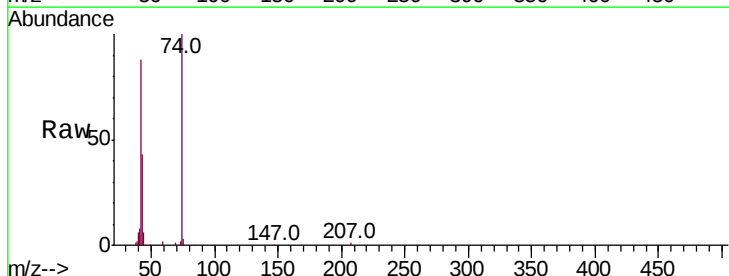
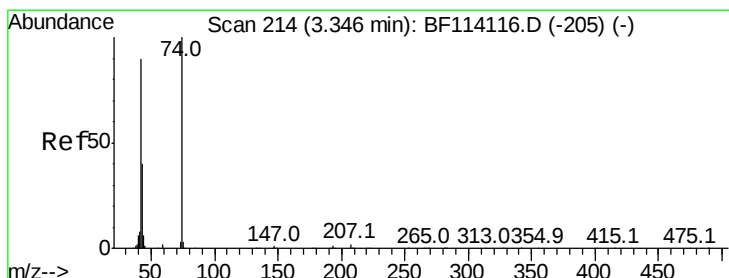
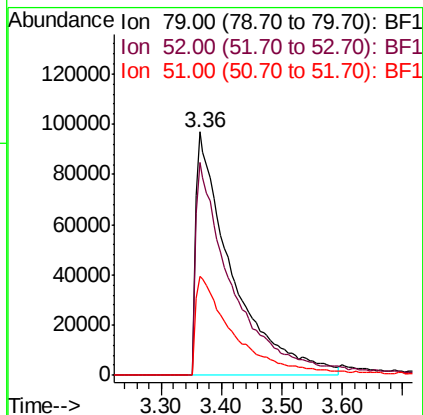
#3
Pvridine
Concen: 30.083 ng
RT: 3.36 min Scan# 217
Delta R.T. 0.06 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tot Ion	Ratio	Lower	Upper
79	100		
52	87.3	70.6	105.8
51	40.9	34.2	51.2

Instrument :
BNA_F
ClientSampleId :
PB119956BS

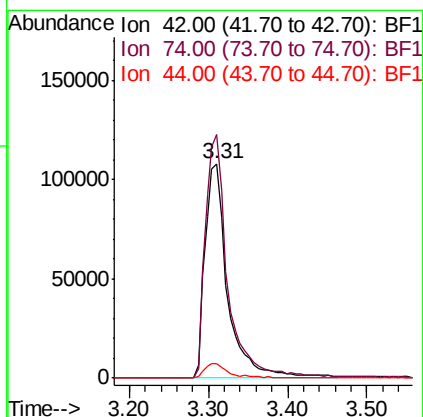
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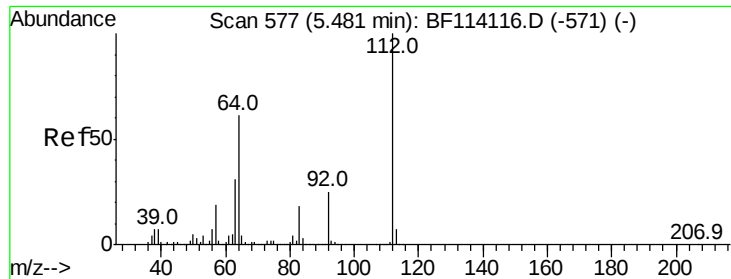
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#4
n-Nitrosodimethylamine
Concen: 33.651 ng
RT: 3.31 min Scan# 208
Delta R.T. 0.05 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	113.6	88.6	132.8
44	6.7	5.5	8.3





#5

2-Fluorophenol

Concen: 127.543 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampled :

PB119956BS

Tot Ion:112 Resp: 1125366

Ion Ratio Lower Upper

112 100

64 64.2 49.0 73.6

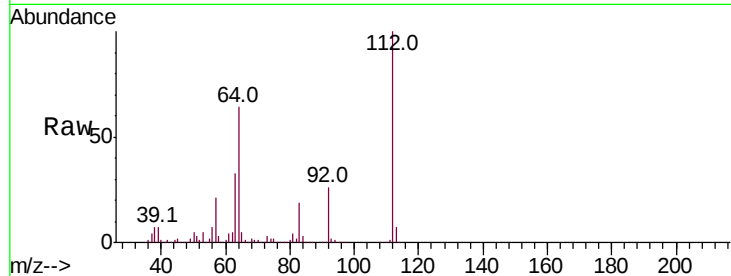
63 33.4 24.6 37.0

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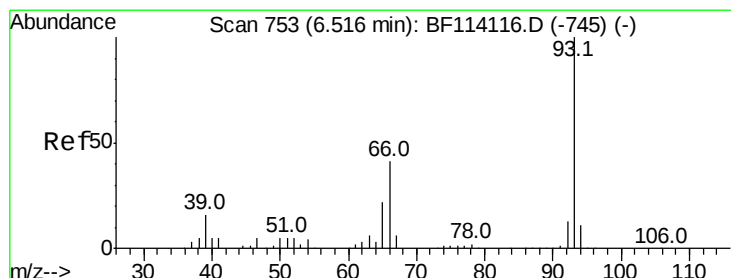
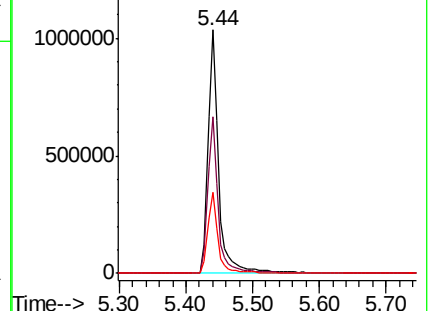
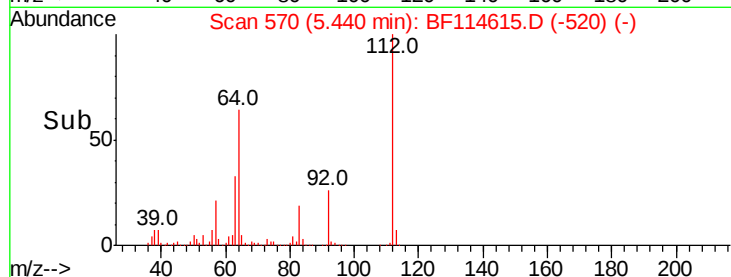
5/27/2019 3:50:15 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 27.266 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

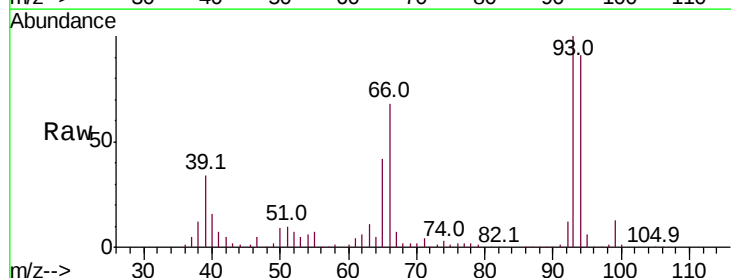
Tgt Ion: 93 Resp: 411028

Ion Ratio Lower Upper

93 100

66 68.0 33.2 49.8#

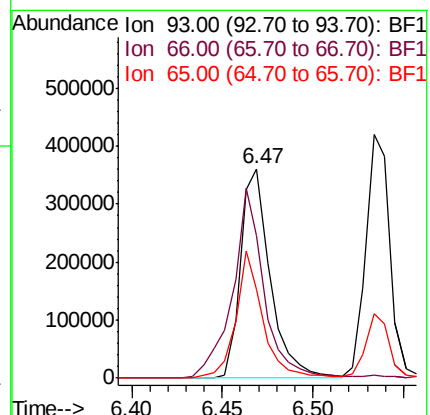
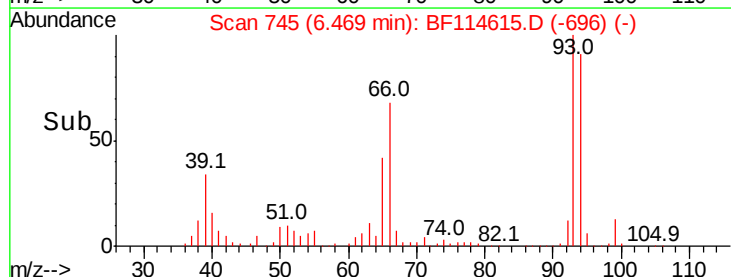
65 42.1 17.6 26.4#



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: 135.342 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion: 99 Resp: 1412390

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

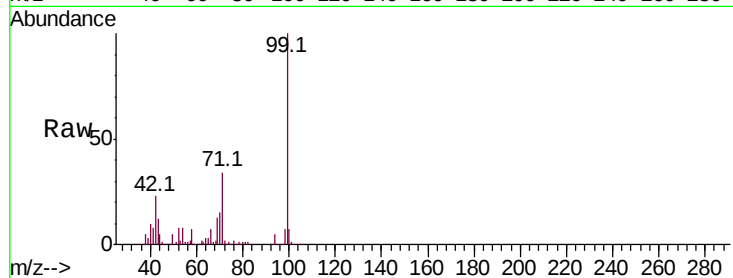
71 34.4 26.2 39.2

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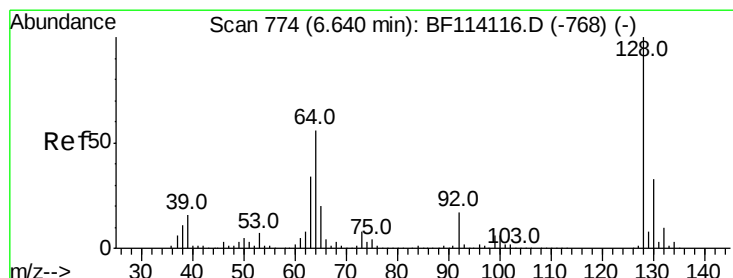
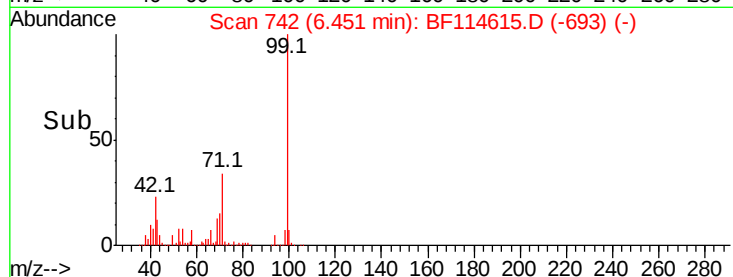
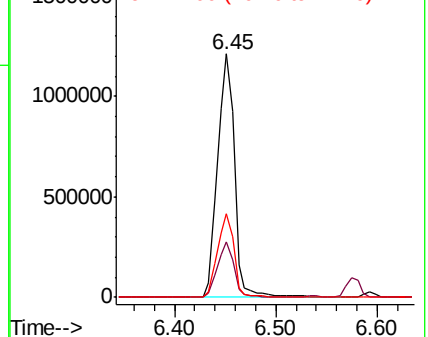
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.246 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

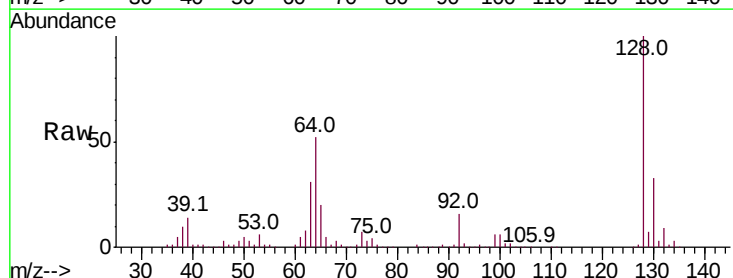
Tgt Ion: 128 Resp: 407358

Ion Ratio Lower Upper

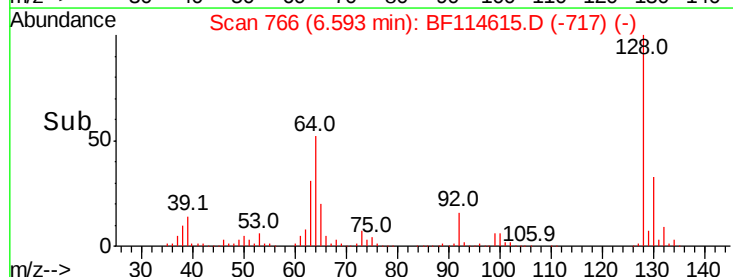
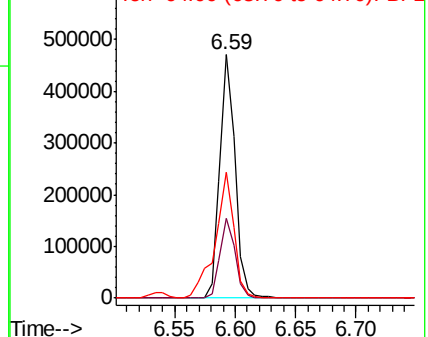
128 100

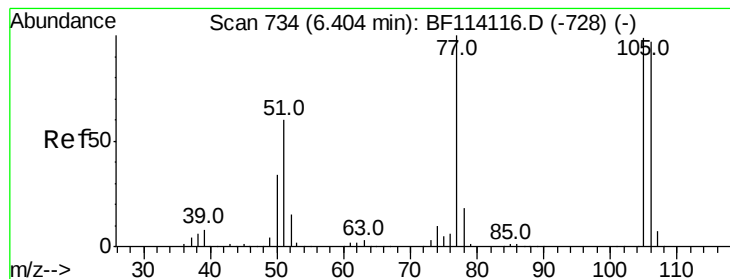
130 32.8 12.6 52.6

64 51.9 35.9 75.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 26.790 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

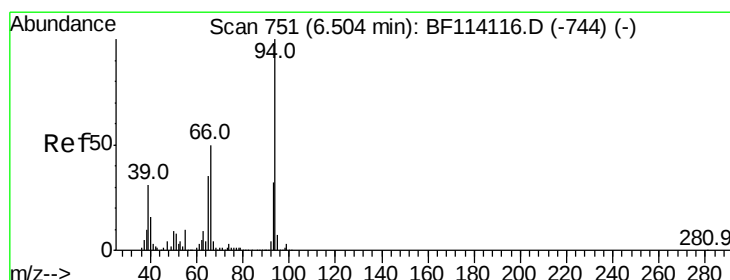
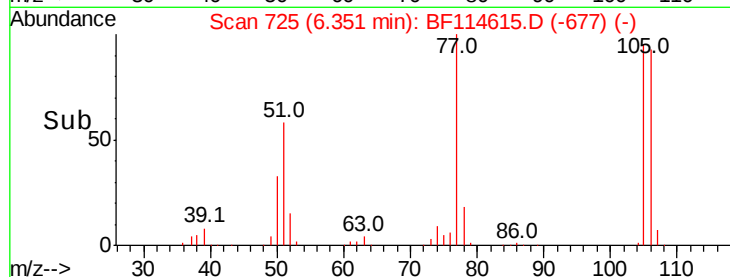
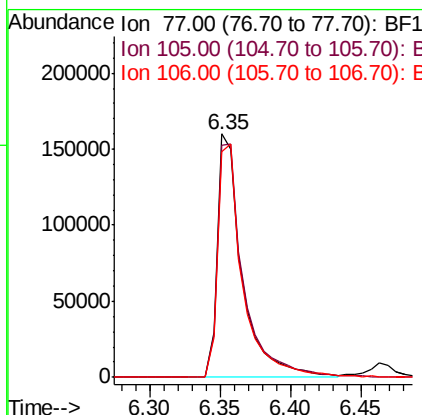
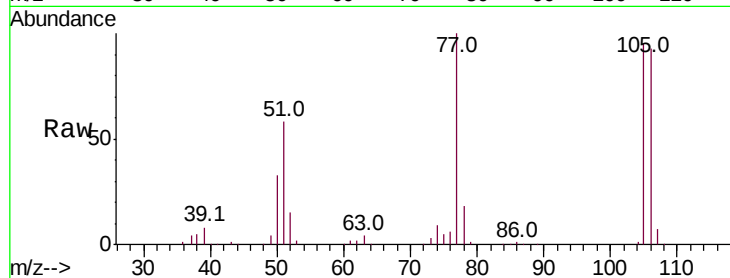
ClientSampleId :

PB119956BS

Tot Ion:	77	Resp:	195725
Ion Ratio	Lower	Upper	
77	100		
105	95.1	79.3	119.3
106	92.5	77.0	117.0

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#10

Phenol

Concen: 40.326 ng

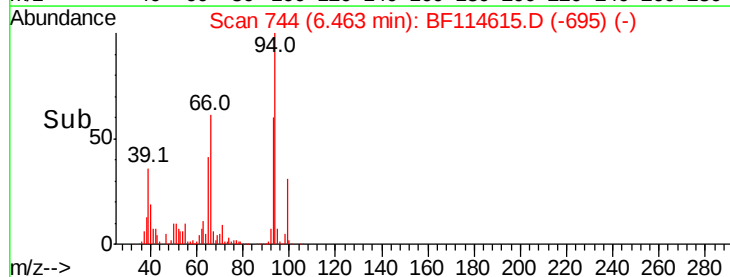
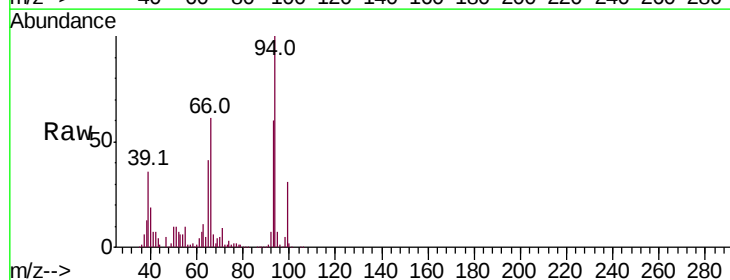
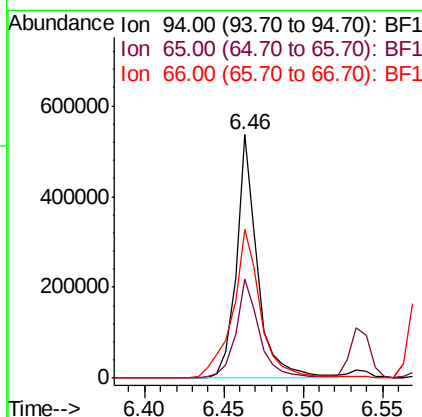
RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	94	Resp:	495059
Ion Ratio	Lower	Upper	
94	100		
65	40.8	14.7	54.7
66	61.1	29.6	69.6





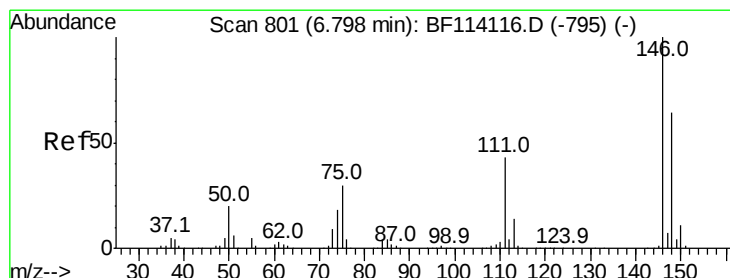
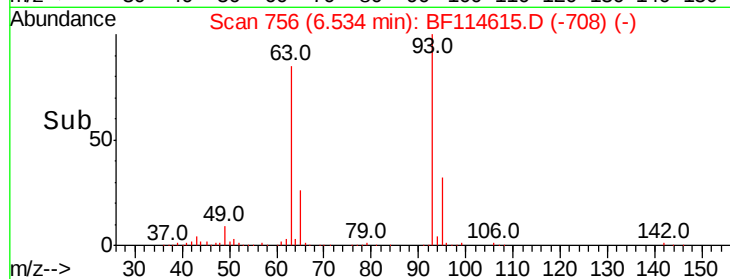
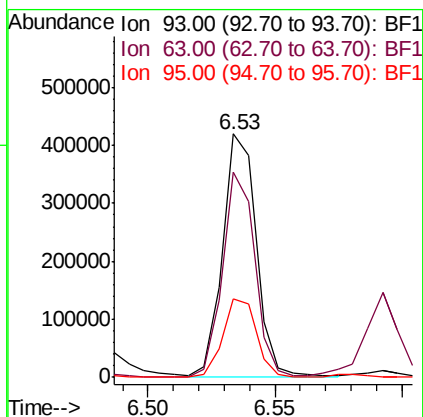
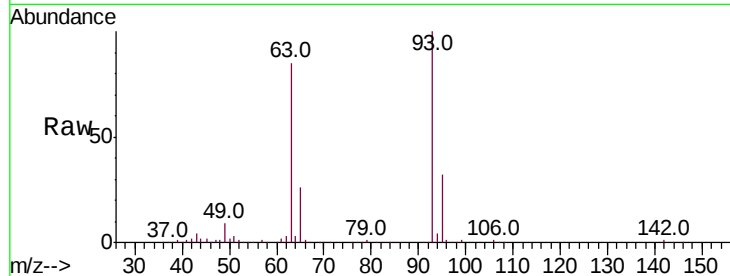
#11
bis(2-Chloroethyl)ether
Concen: 41.746 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.5	63.6	103.6
95	32.4	13.1	53.1

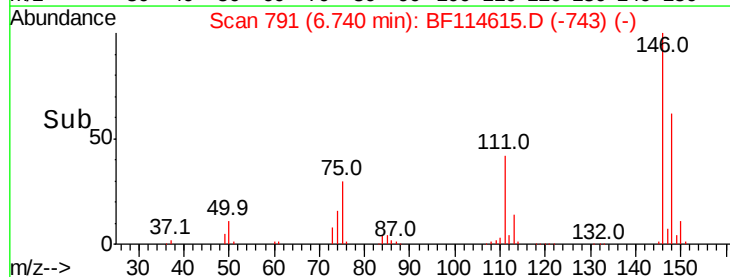
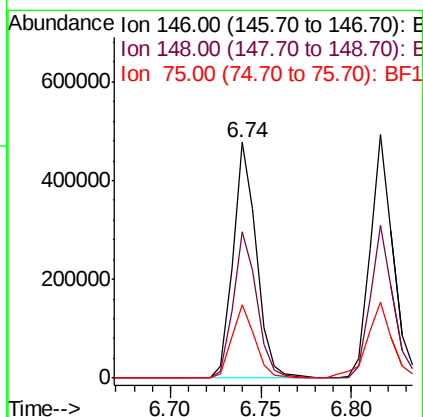
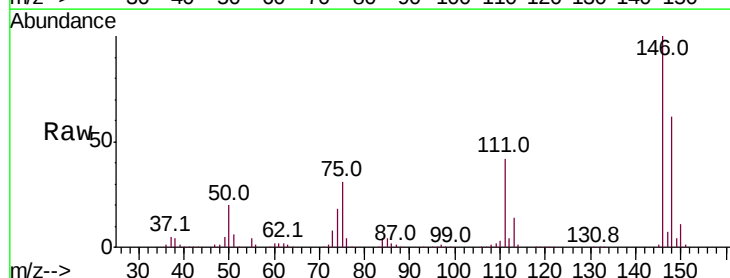
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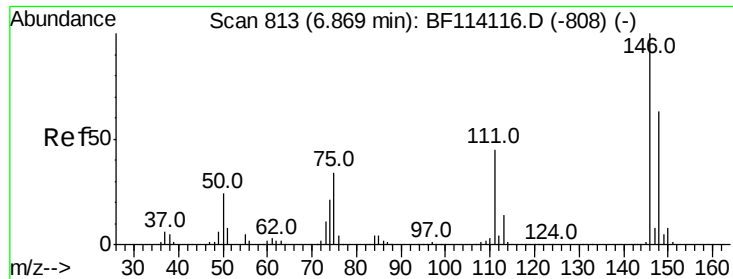
mohammad
5/27/2019 3:50:15 AM



#12
1,3-Dichlorobenzene
Concen: 40.520 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.6	77.4
75	31.1	24.2	36.2





#13

1,4-Dichlorobenzene

Concen: 40.920 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

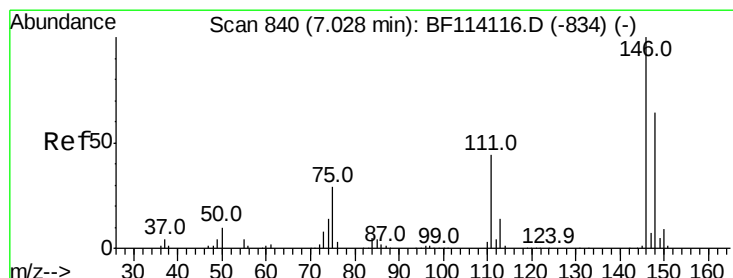
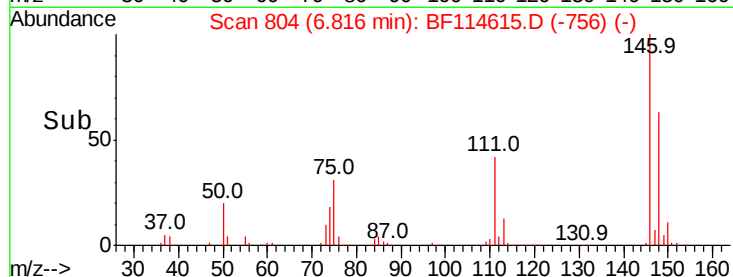
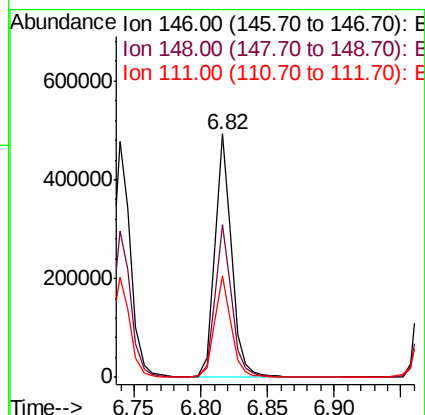
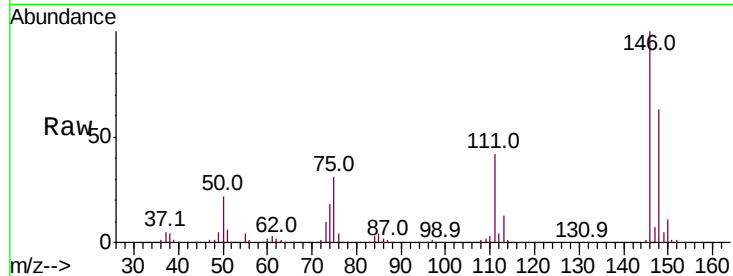
ClientSampleId :

PB119956BS

Tot Ion:	146	Resp:	435985
Ion Ratio	Lower	Upper	
146	100		
148	62.8	50.2	75.2
111	41.7	35.8	53.6

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#14

1,2-Dichlorobenzene

Concen: 41.511 ng

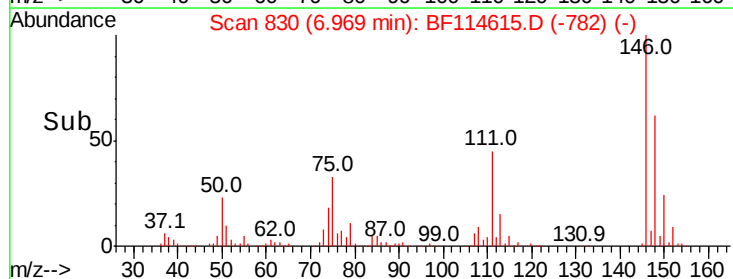
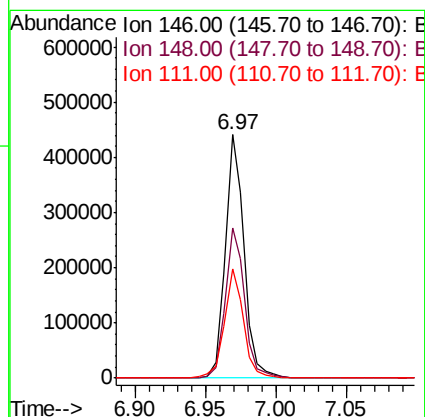
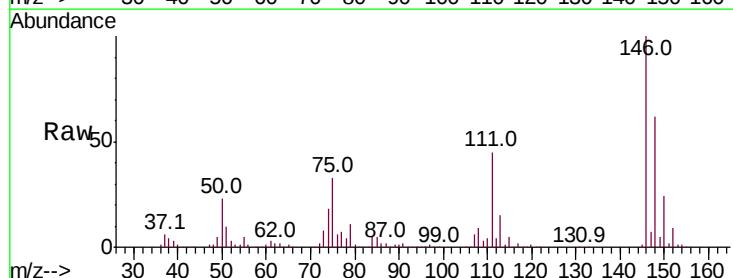
RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	146	Resp:	404070
Ion Ratio	Lower	Upper	
146	100		
148	61.9	51.1	76.7
111	45.0	35.3	52.9





#15

Benzyl Alcohol

Concen: 38.984 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

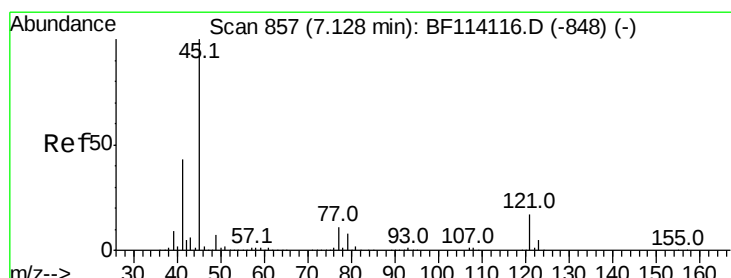
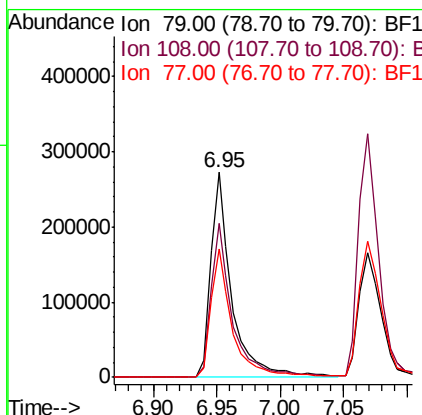
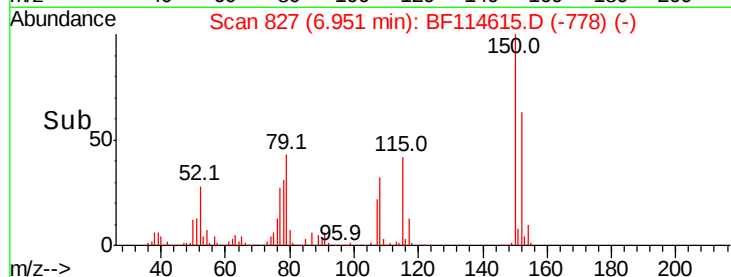
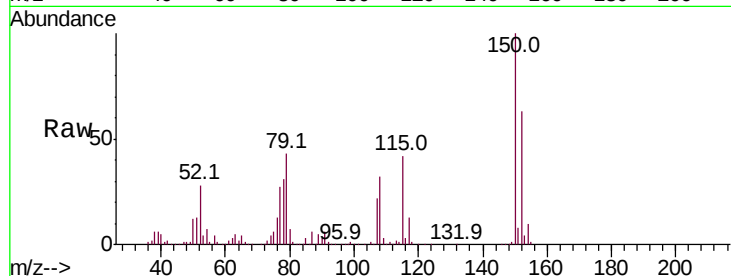
ClientSampleId :

PB119956BS

Tot Ion:	79	Resp:	317297
Ion Ratio	Lower	Upper	
79	100		
108	75.3	62.1	93.1
77	62.3	51.0	76.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.932 ng

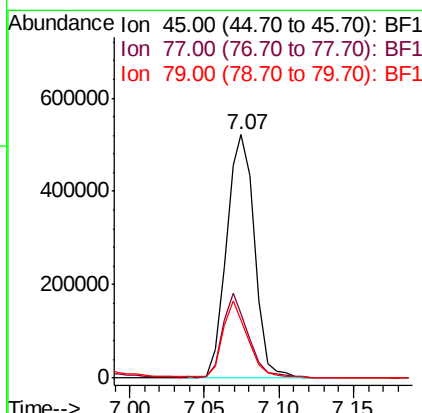
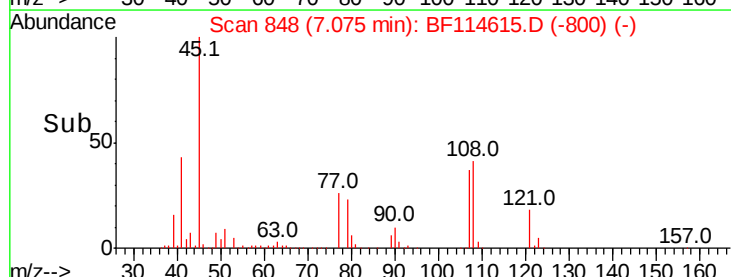
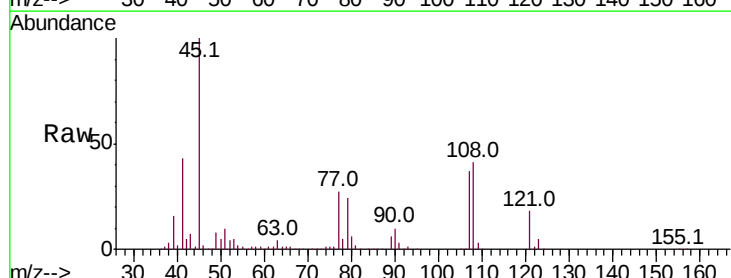
RT: 7.07 min Scan# 848

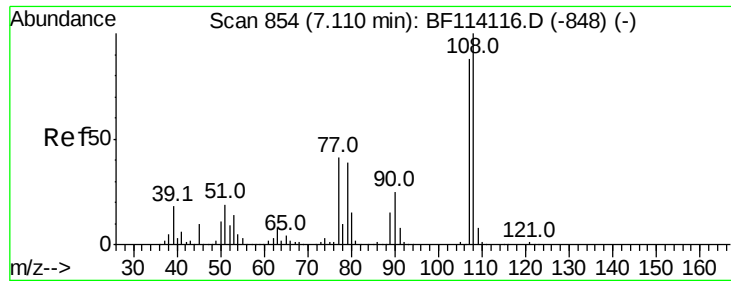
Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	45	Resp:	685468
Ion Ratio	Lower	Upper	
45	100		
77	26.7	0.0	31.1
79	23.8	0.0	28.4





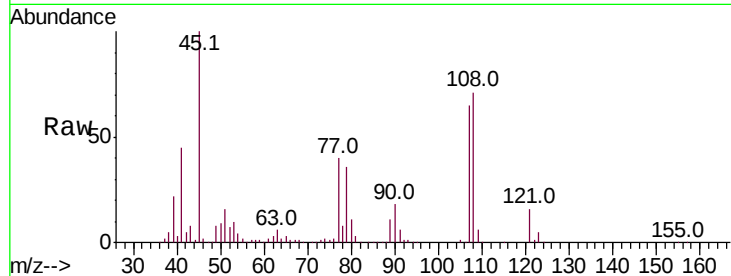
#17
2-Methylphenol
Concen: 41.203 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.9	90.5	135.7	
77	61.1	37.0	55.4	
79	55.8	35.8	53.8	

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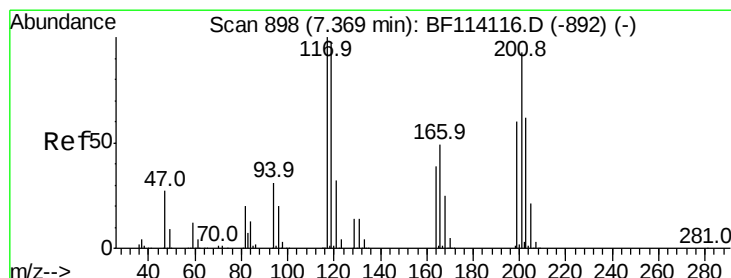
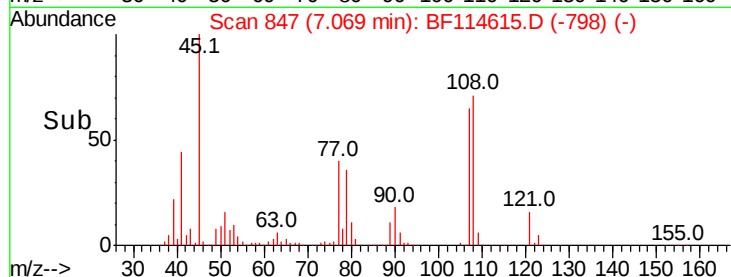
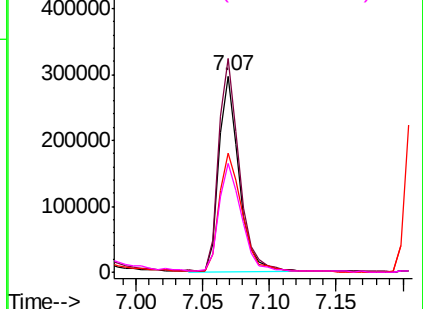
Abundance

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: 39.743 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

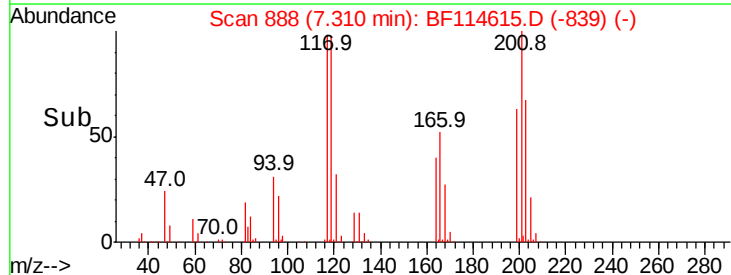
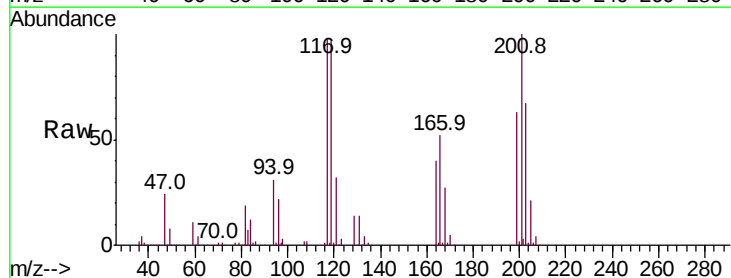
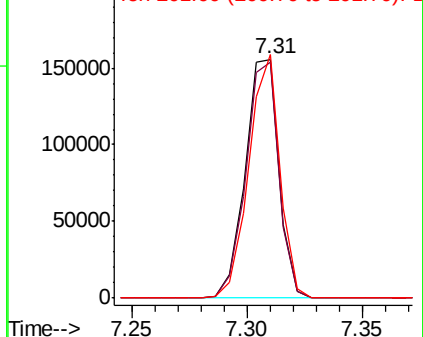
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.6	77.4	116.2	
201	101.8	74.5	111.7	

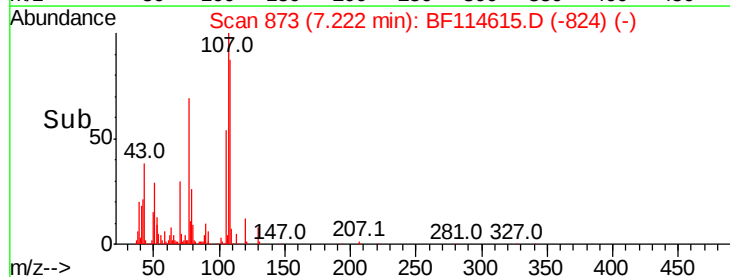
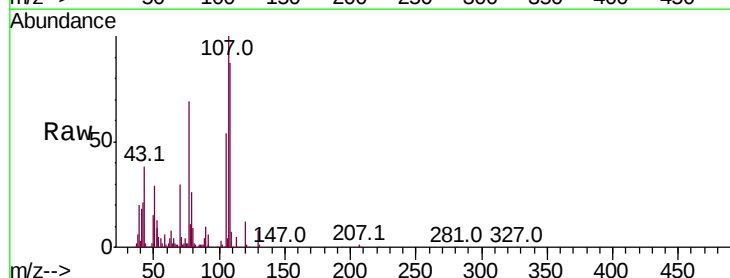
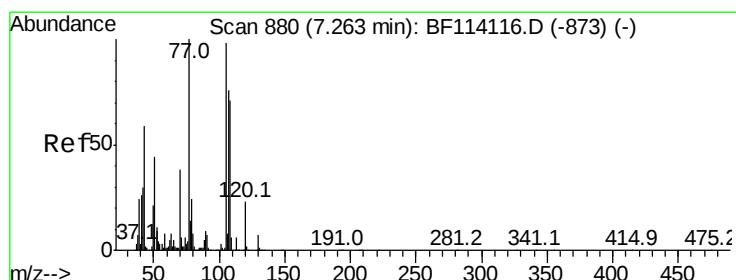
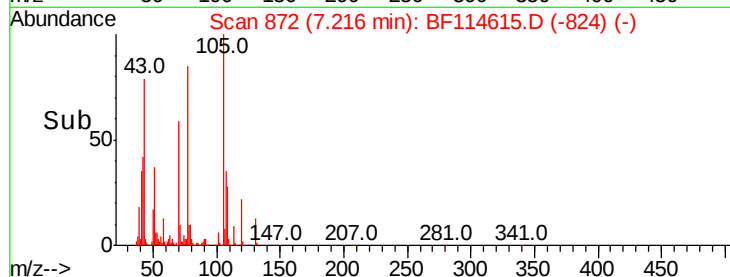
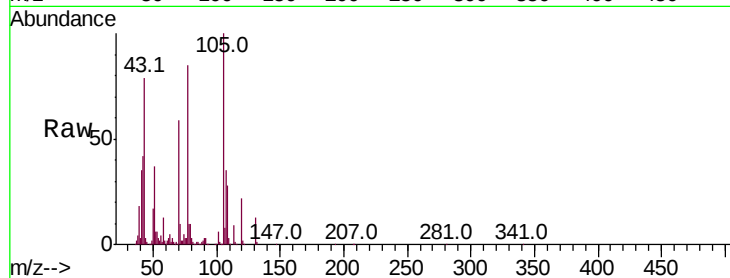
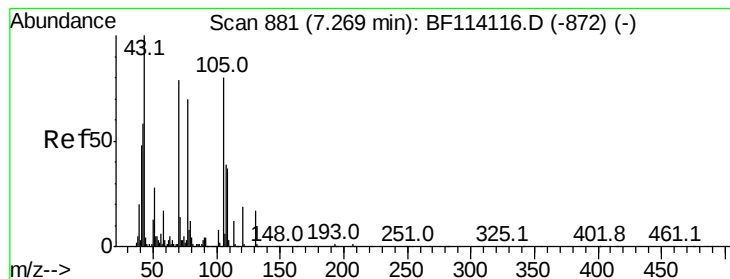
Abundance

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: 41.207 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion: 70 Resp: 272573

Ion Ratio Lower Upper

70 100

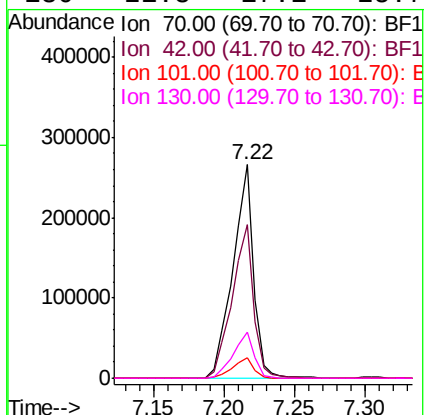
42 71.6 58.6 87.8

101 9.6 7.8 11.8

130 21.8 17.1 25.7

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mohammad
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#20

3+4-Methylphenols

Concen: 47.018 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:107 Resp: 420339

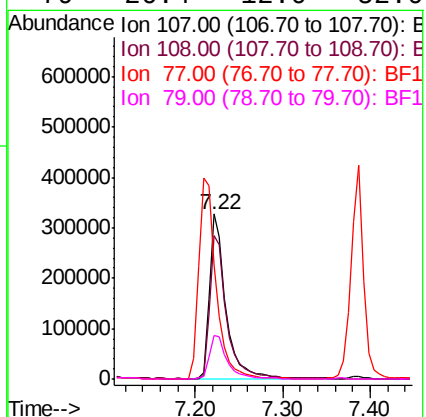
Ion Ratio Lower Upper

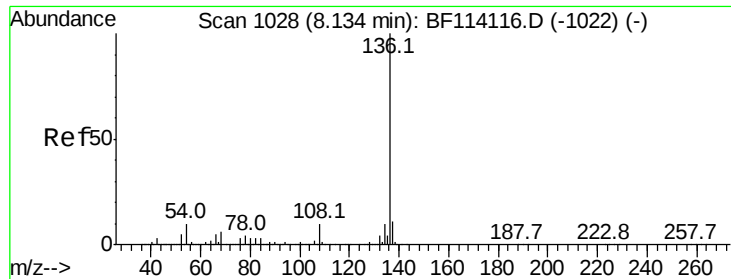
107 100

108 86.6 73.8 113.8

77 69.2 111.5 151.5#

79 26.4 12.0 52.0





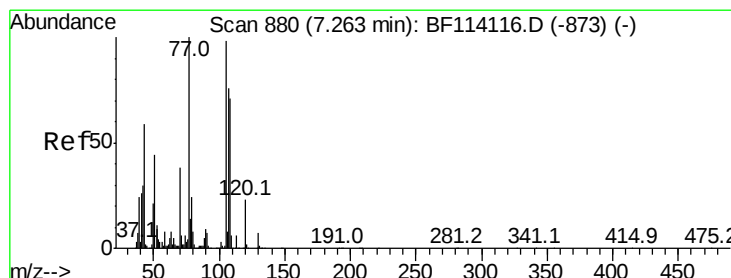
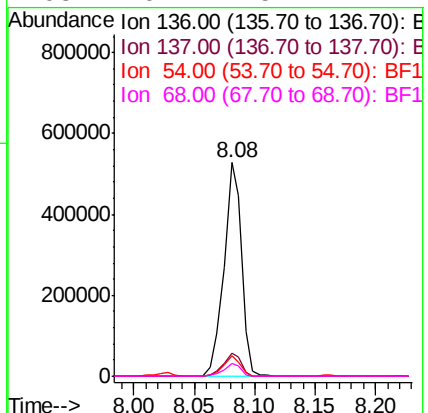
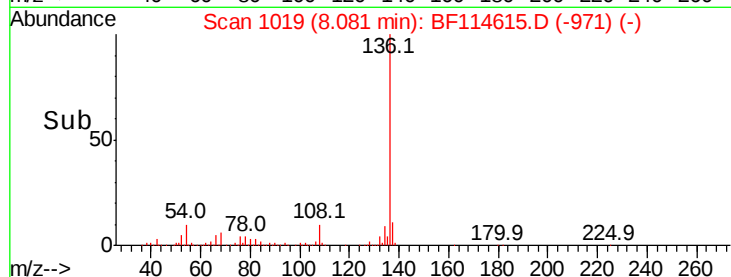
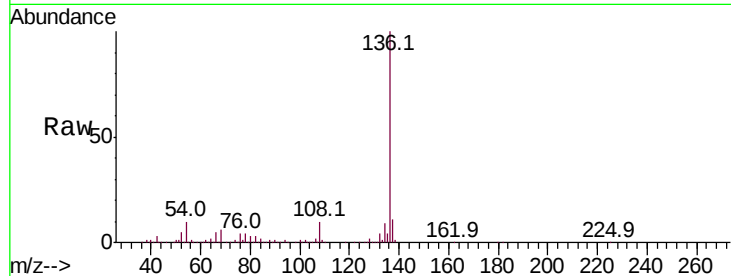
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.8	13.2	
54	9.5	7.8	11.8	
68	6.2	5.1	7.7	

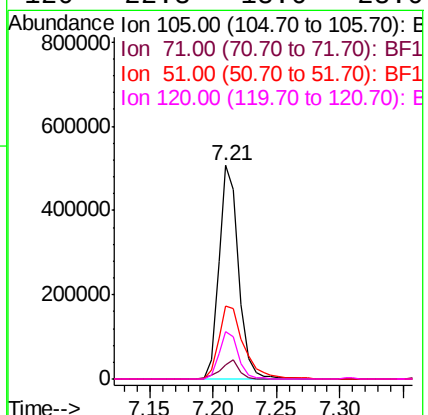
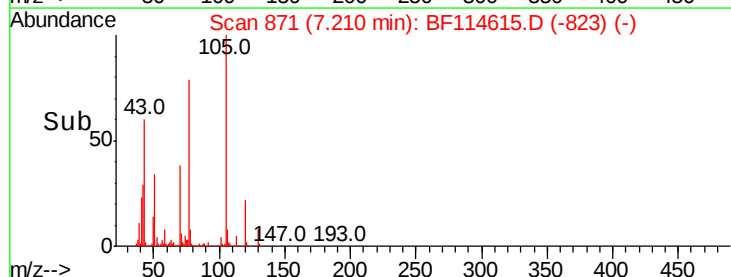
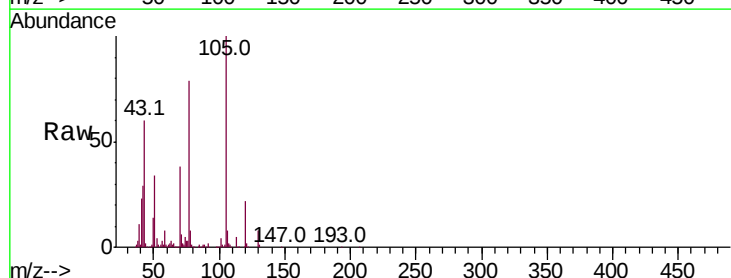
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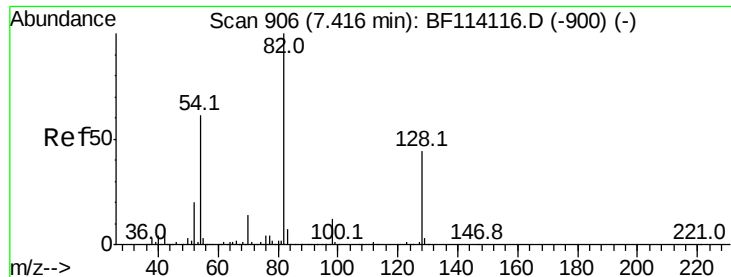
mohammad
5/27/2019 3:50:15 AM



#22
Acetophenone
Concen: 46.545 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.5	5.3	7.9	
51	33.9	36.2	54.4	
120	22.3	18.6	28.0	





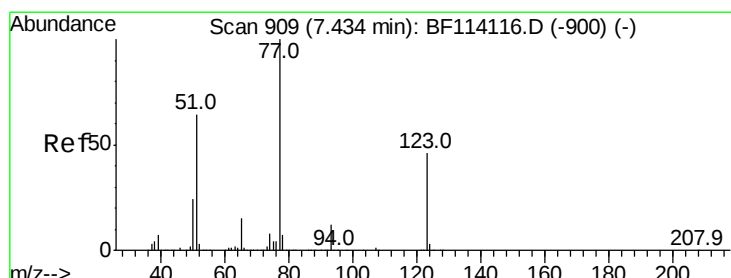
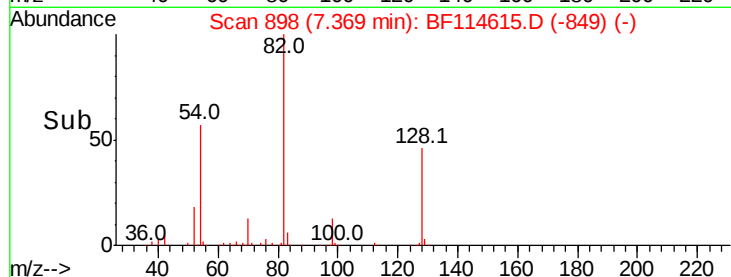
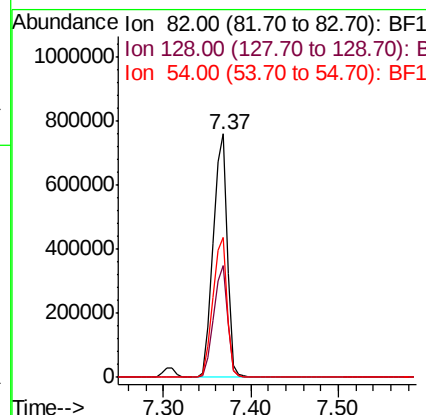
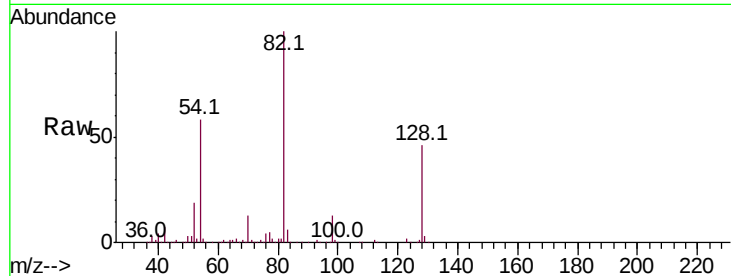
#23
Nitrobenzene-d5
Concen: 89.991 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.5	53.3
54	57.5	48.5	72.7

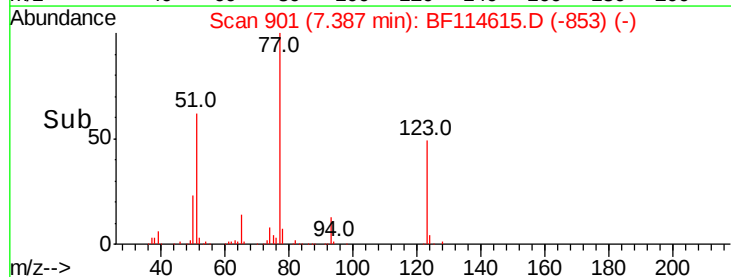
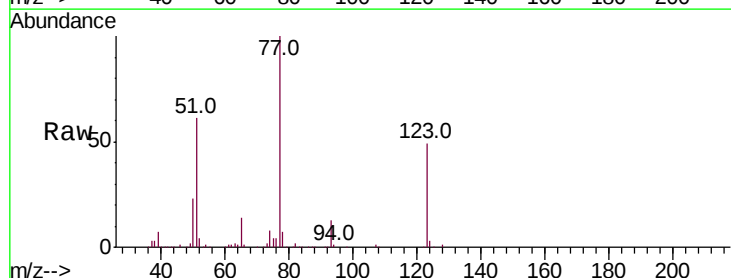
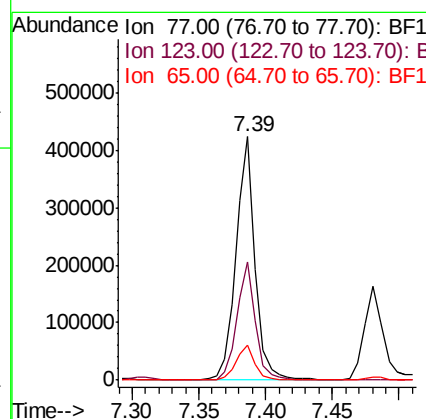
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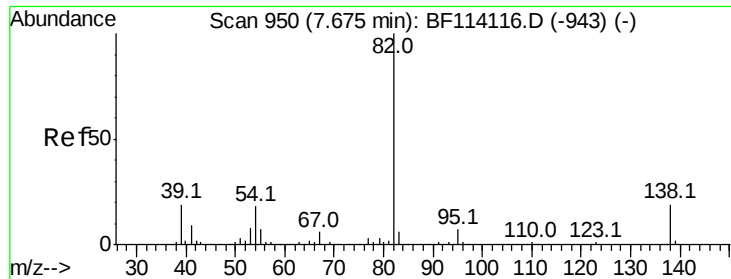
mohammad
5/27/2019 3:50:15 AM



#24
Nitrobenzene
Concen: 43.791 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.8	36.9	55.3
65	14.3	11.8	17.6





#25

Isophorone

Concen: 43.439 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

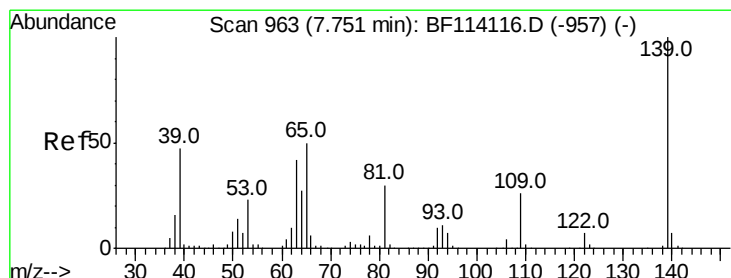
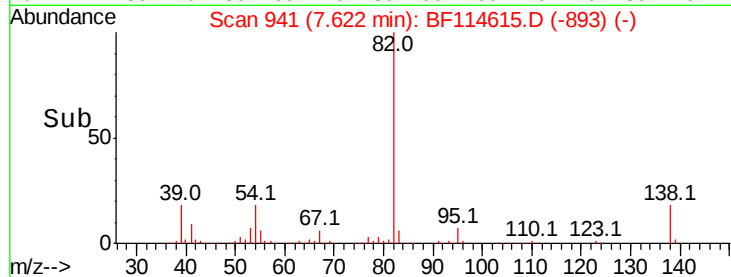
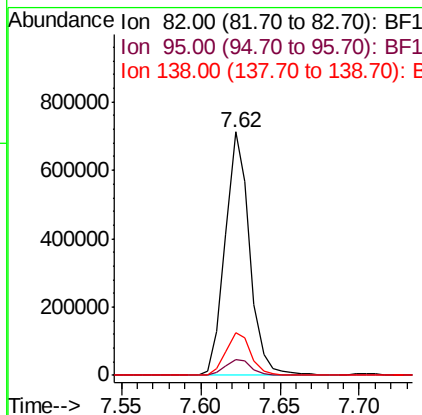
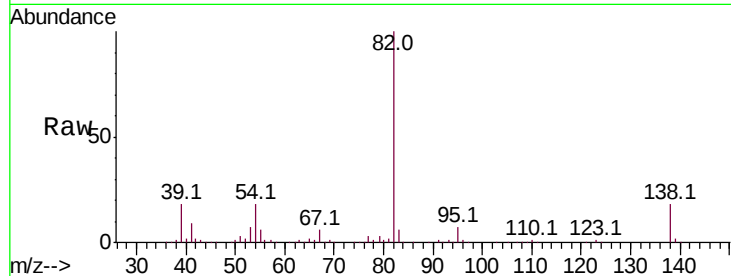
ClientSampleId :

PB119956BS

Tot Ion:	82	Resp:	761690
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.6	8.4
138	17.7	14.8	22.2

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#26

2-Nitrophenol

Concen: 46.797 ng

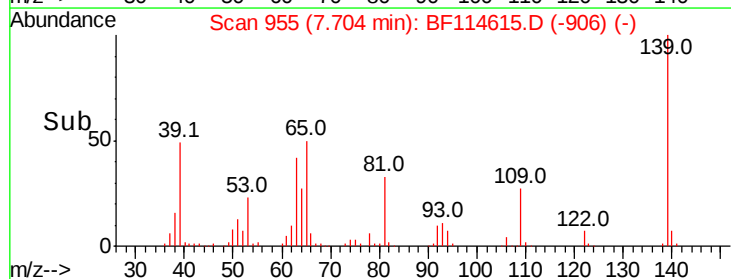
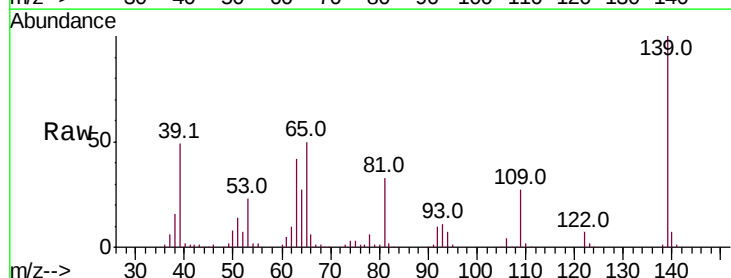
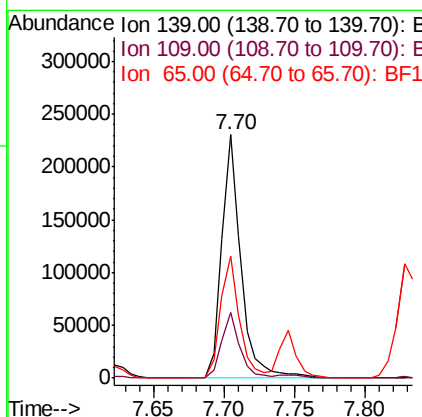
RT: 7.70 min Scan# 955

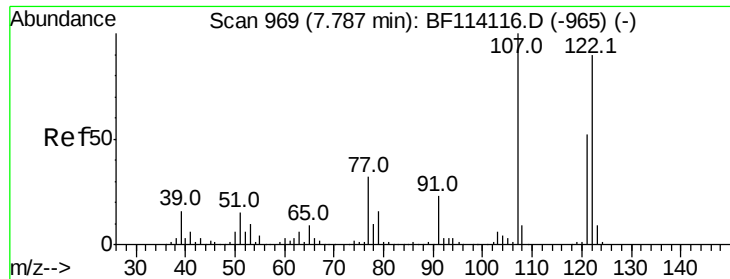
Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	139	Resp:	218636
Ion Ratio	Lower	Upper	
139	100		
109	27.2	20.7	31.1
65	50.3	40.2	60.2





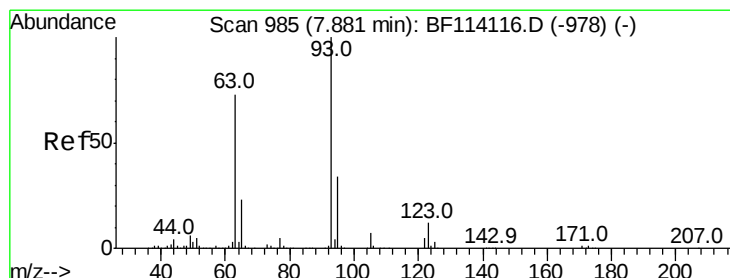
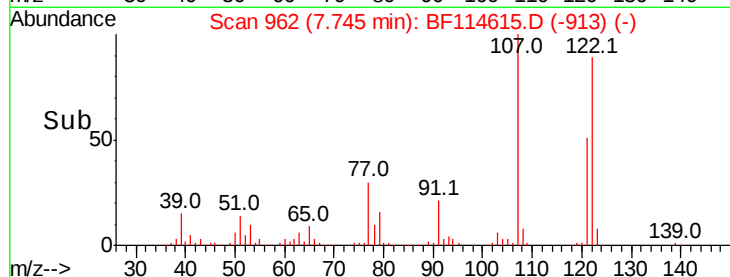
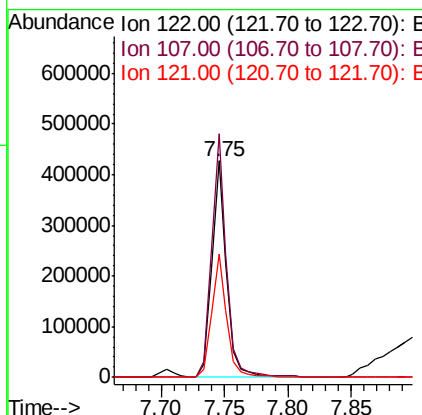
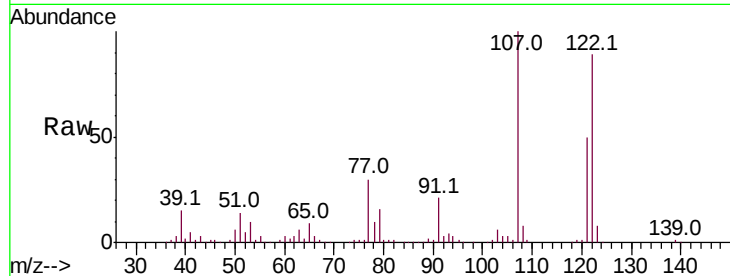
#27
2,4-Dimethylphenol
Concen: 47.829 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.4	88.4	132.6
121	56.7	45.9	68.9

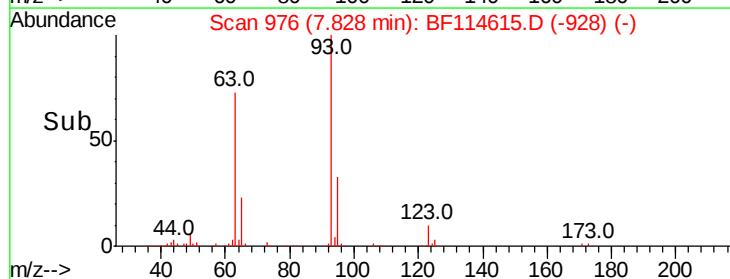
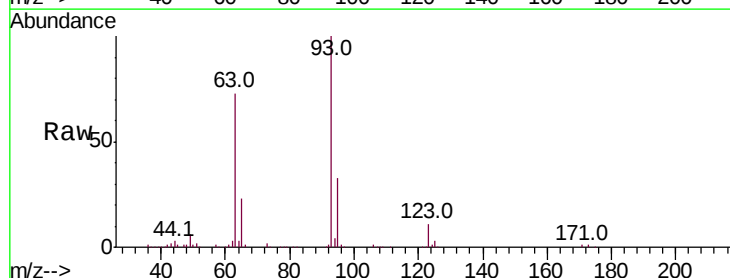
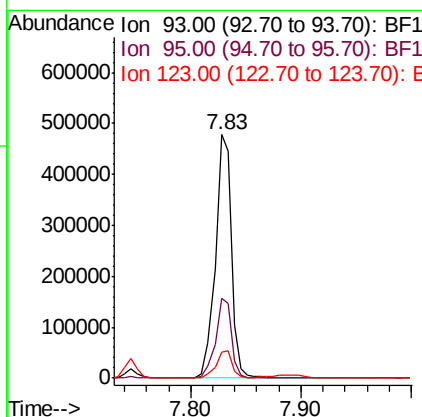
Manual Integrations
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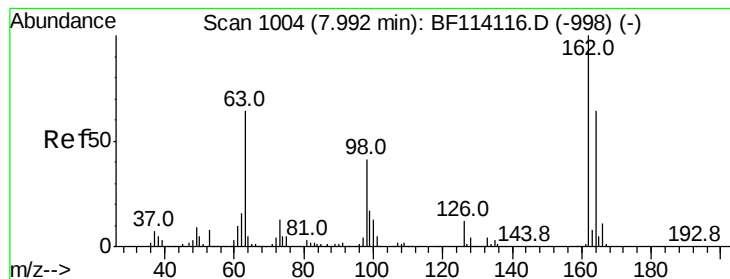
mohammad
5/27/2019 3:50:15 AM



#28
bis(2-Chloroethoxy)methane
Concen: 42.319 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.8	40.2
123	10.6	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 45.919 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

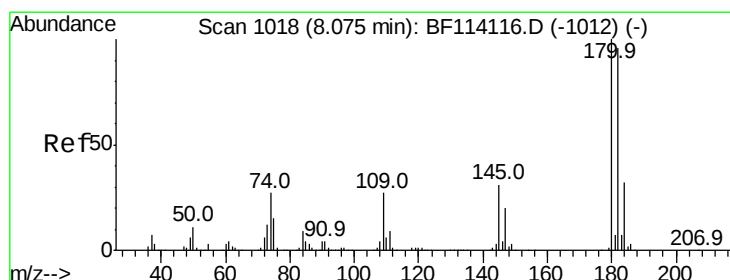
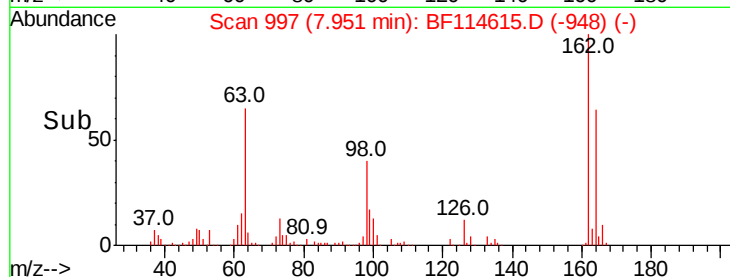
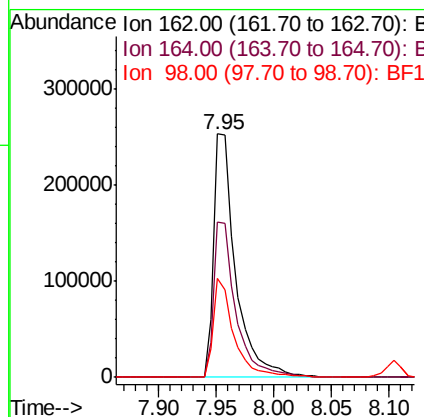
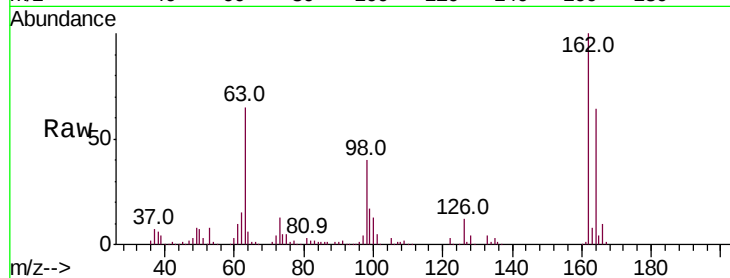
ClientSampleId :

PB119956BS

Tot Ion:	162	Resp:	335512
Ion Ratio	Lower	Upper	
162	100		
164	63.9	43.6	83.6
98	40.5	20.6	60.6

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#30

1,2,4-Trichlorobenzene

Concen: 42.724 ng

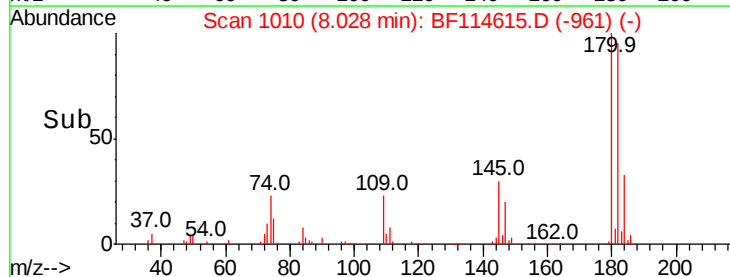
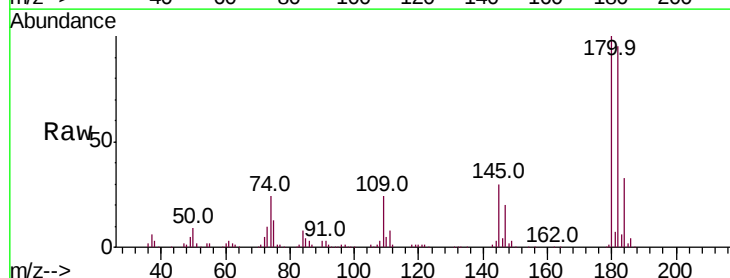
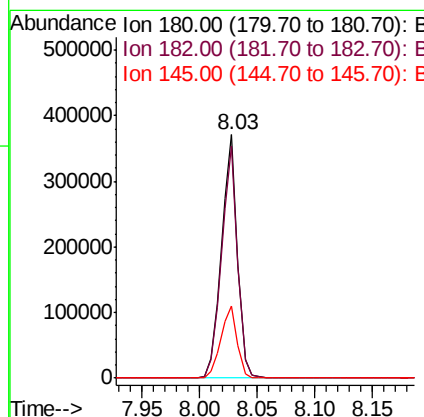
RT: 8.03 min Scan# 1010

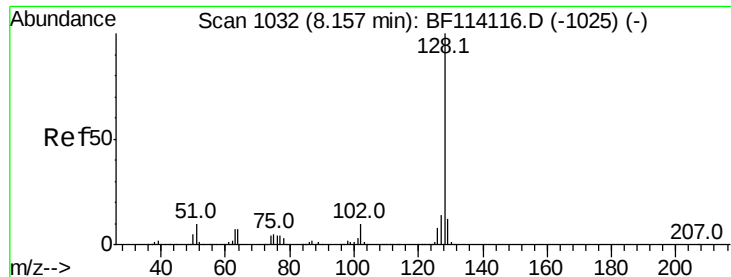
Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	180	Resp:	354979
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.6	114.8
145	29.8	25.1	37.7





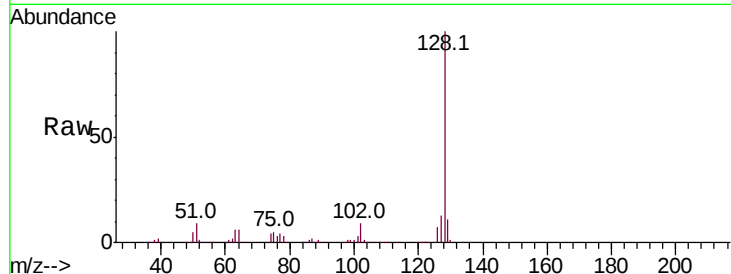
#31
Naphthalene
Concen: 46.339 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.1	11.3	16.9

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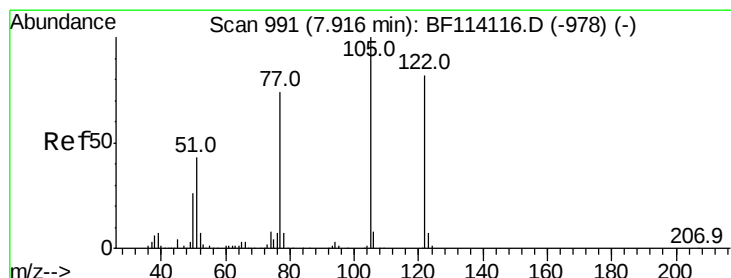
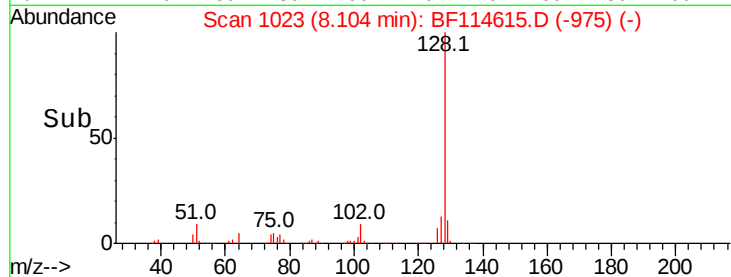
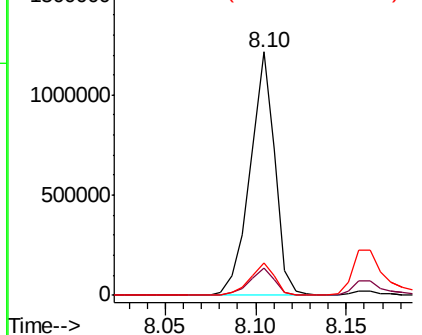


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 38.236 ng m
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

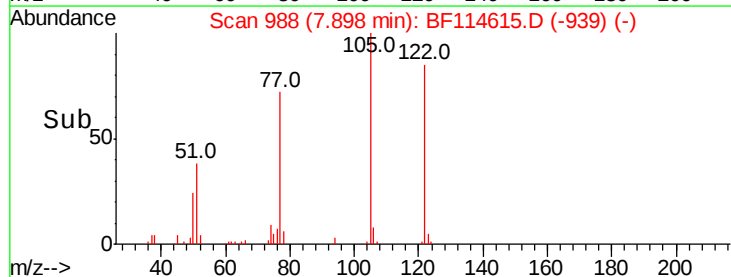
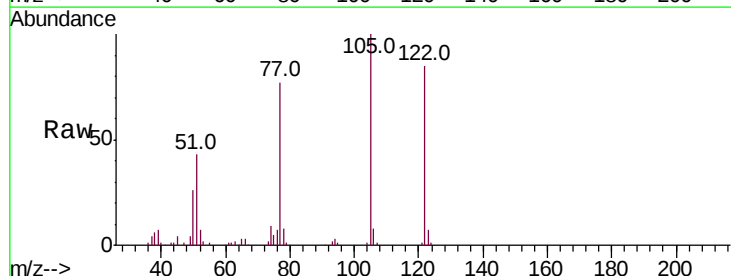
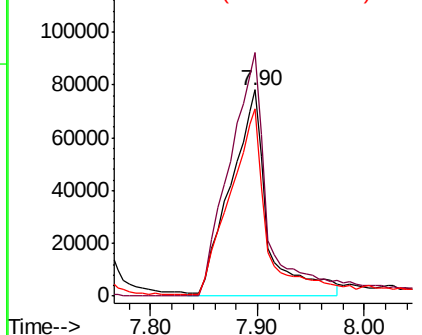
Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.2	99.9	139.9
77	90.8	69.4	109.4

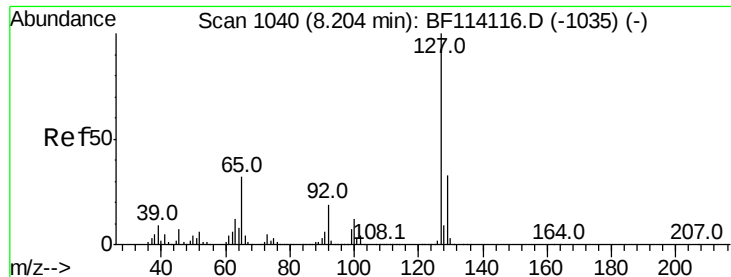
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





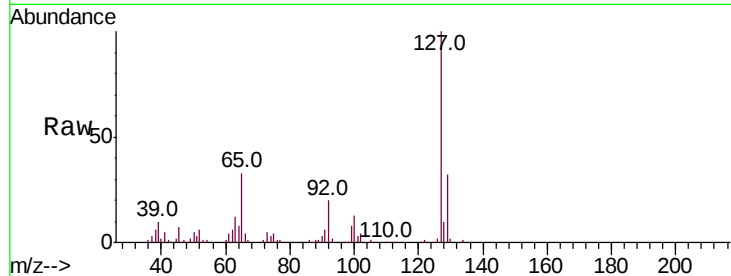
#33
4-Chloroaniline
Concen: 26.463 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.7	40.1	
65	32.8	25.4	38.0	
92	19.9	15.4	23.2	

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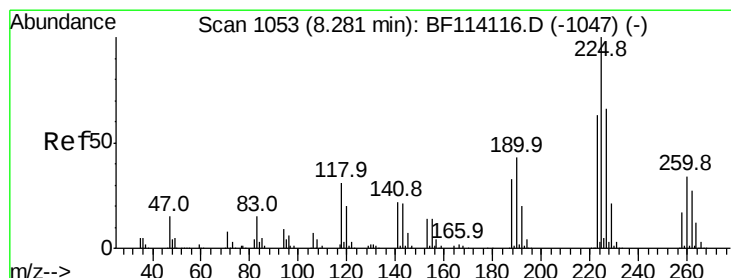
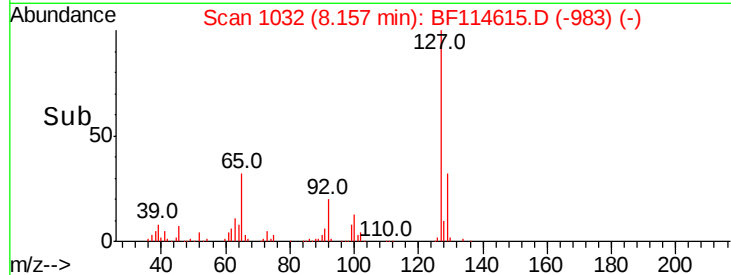
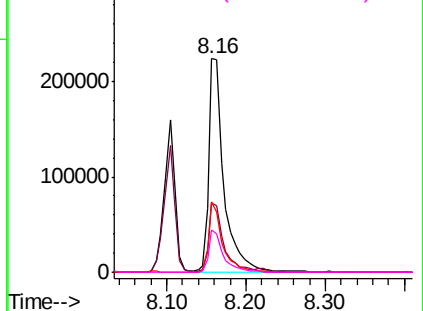
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

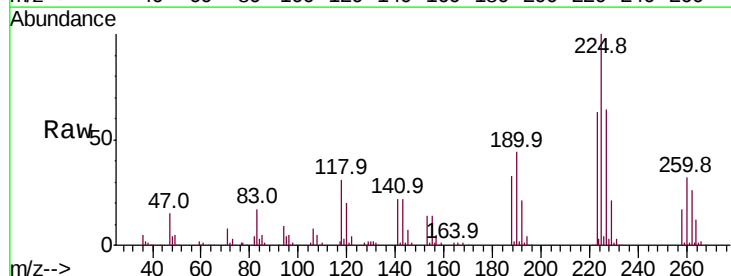
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.093 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	50.2	75.2	
227	64.1	52.6	79.0	

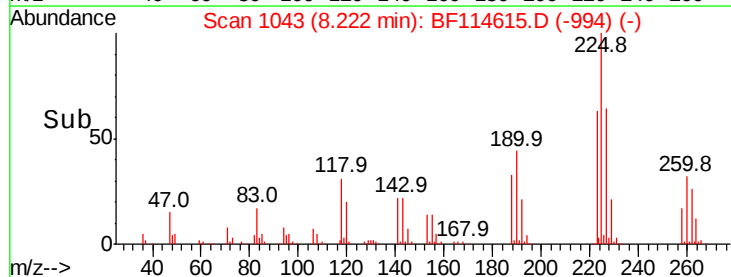
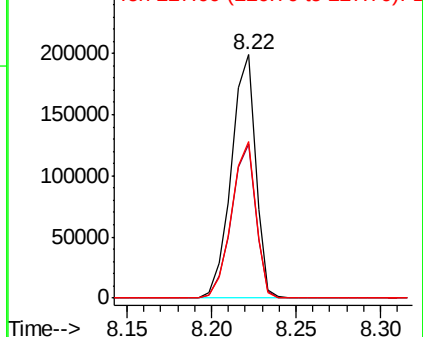


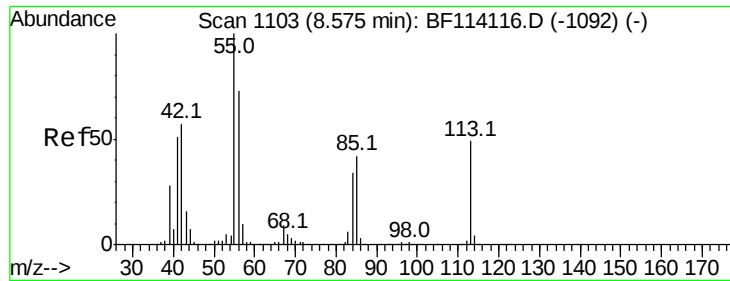
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





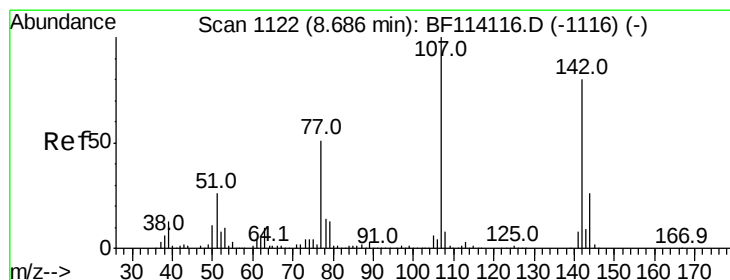
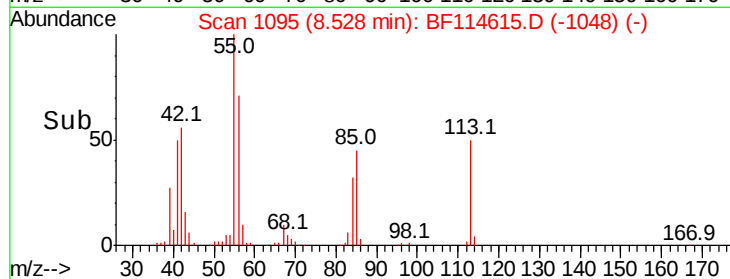
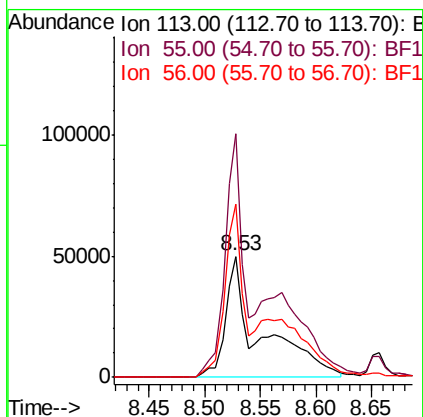
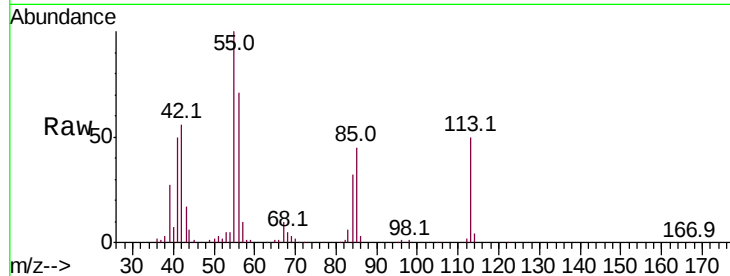
#35
Caprolactam
Concen: 45.336 ng/ml
RT: 8.53 min Scan# 1095
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	201.1	183.5	223.5	
56	142.8	128.8	168.8	

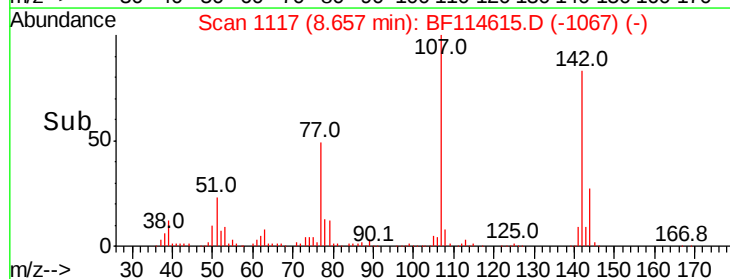
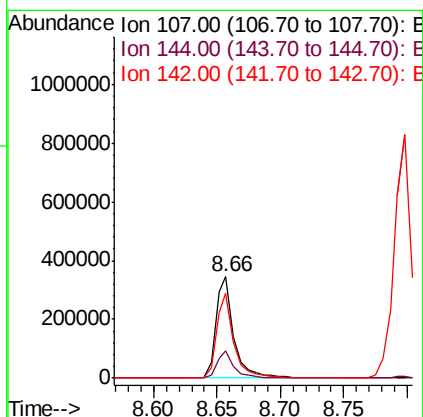
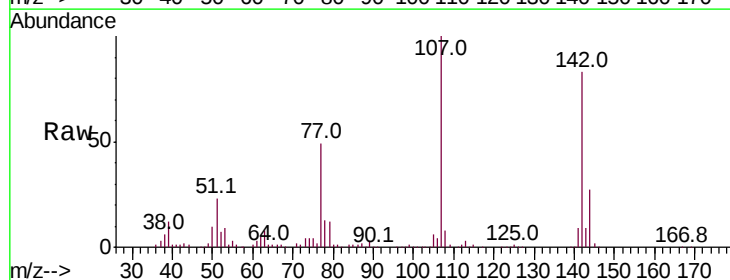
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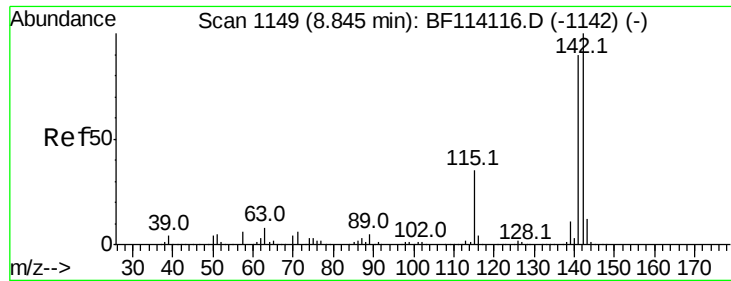
mohammad
5/27/2019 3:50:15 AM



#36
4-Chloro-3-methylphenol
Concen: 47.076 ng/ml
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	27.0	20.4	30.6	
142	83.4	64.2	96.4	





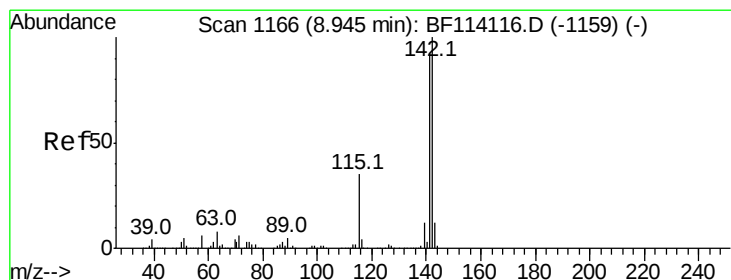
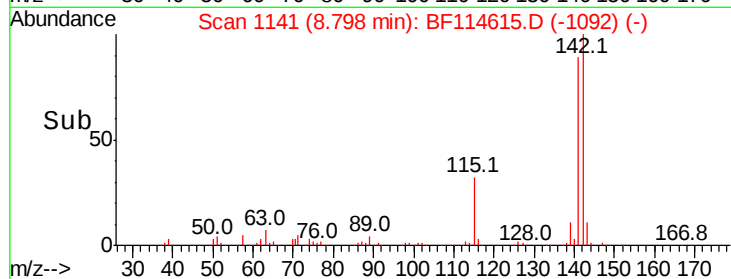
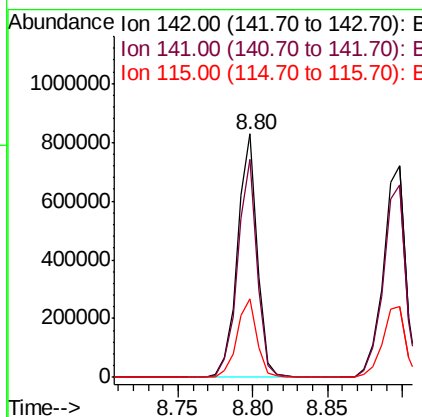
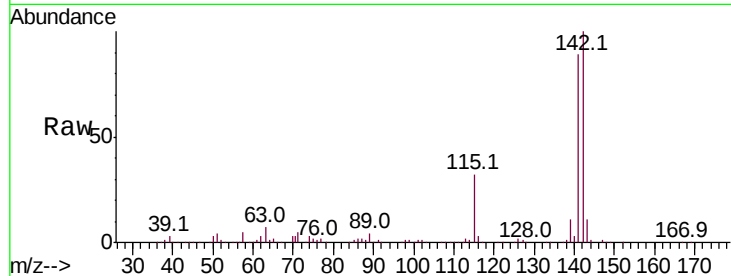
#37
2-Methylnaphthalene
Concen: 47.802 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.1	108.1
115	32.3	28.0	42.0

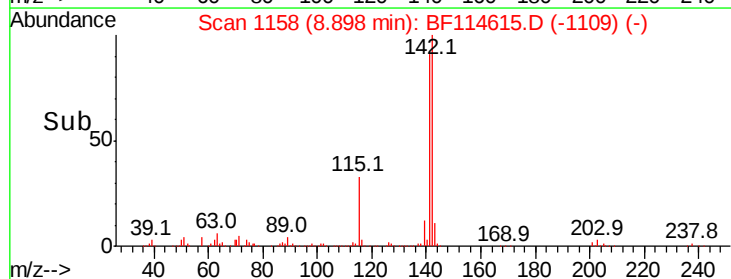
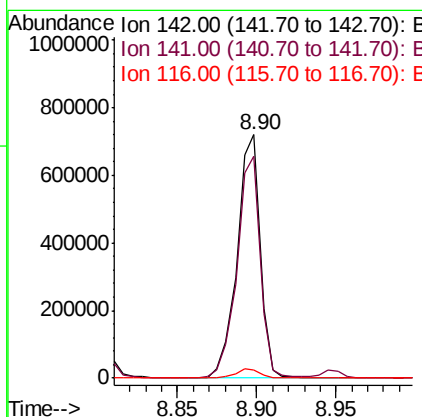
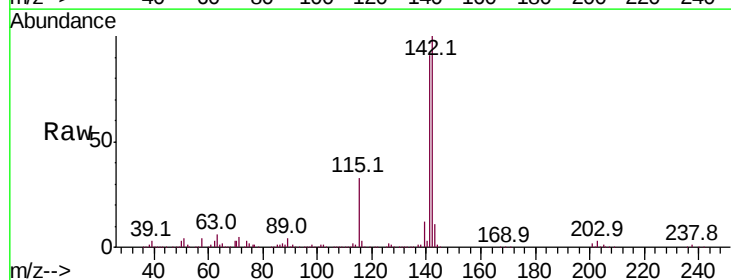
Manual Integrations
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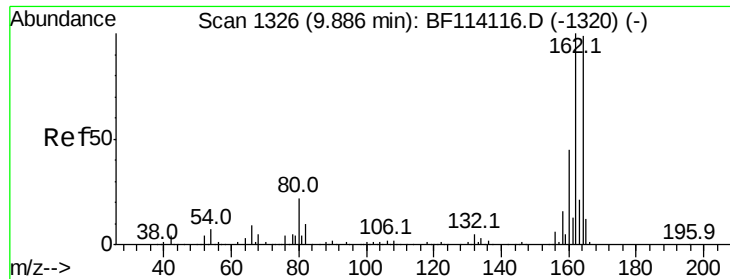
mohammad
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#38
1-Methylnaphthalene
Concen: 48.162 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.4	110.0
116	3.4	3.1	4.7





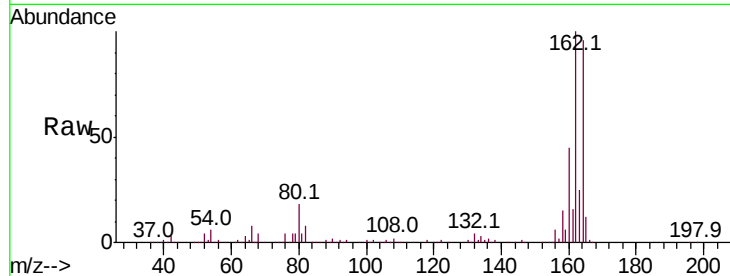
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	246637		
162	104.1	80.6	120.8	
160	47.0	36.5	54.7	

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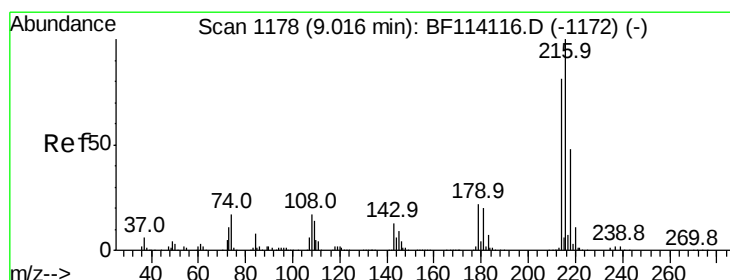
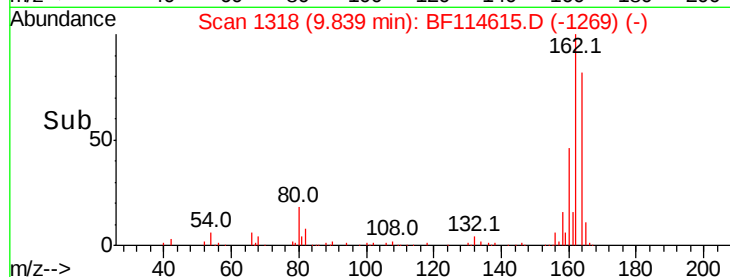
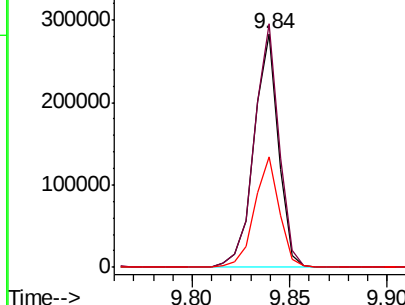


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.912 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	350490		
214	79.1	63.9	95.9	
179	21.1	17.0	25.6	
108	18.4	14.8	22.2	

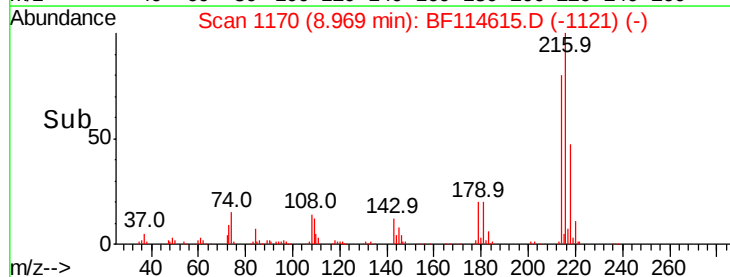
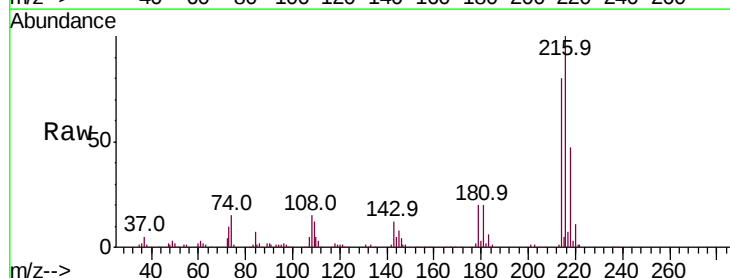
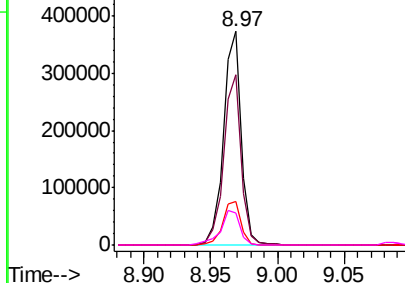
Abundance

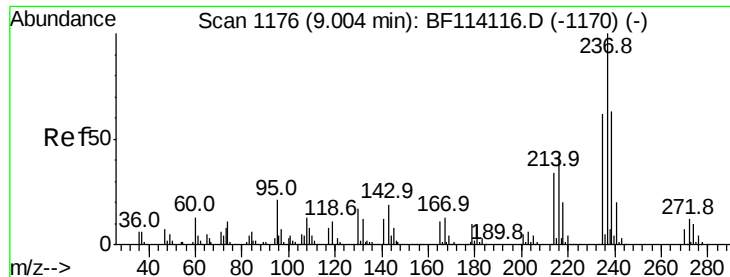
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 44.997 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

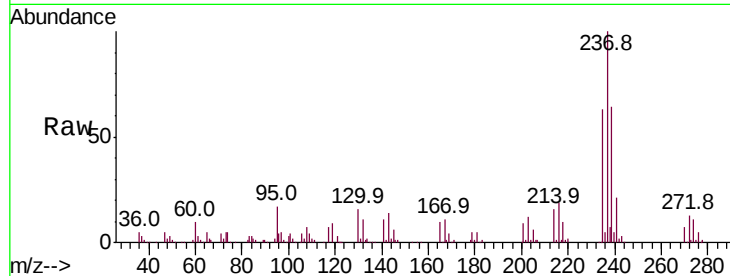
ClientSampleId :

PB119956BS

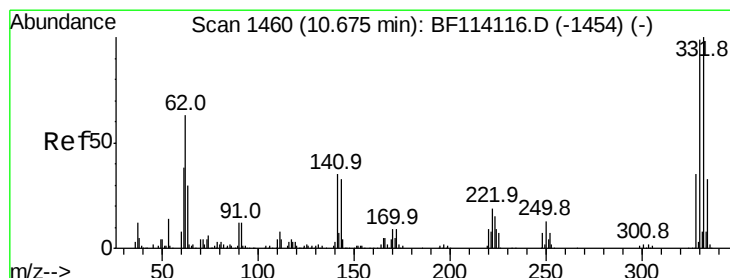
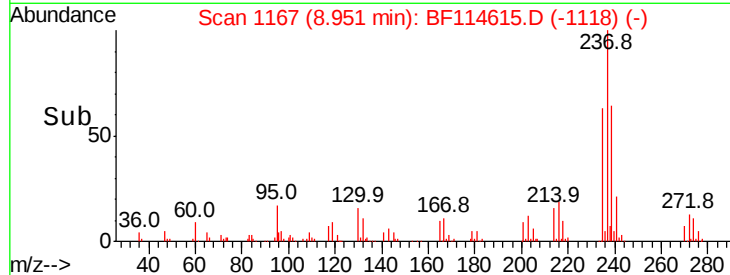
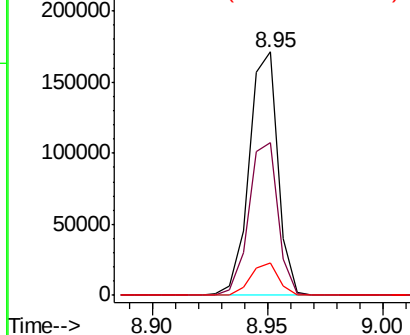
Tot Ion:	237	Resp:	149659
Ion Ratio	Lower	Upper	
237	100		
235	62.6	42.0	82.0
272	13.5	0.0	32.4

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: 131.900 ng

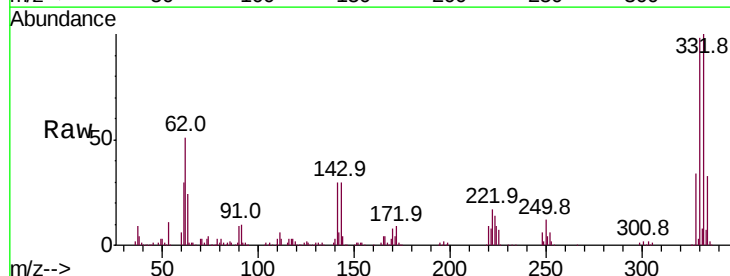
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

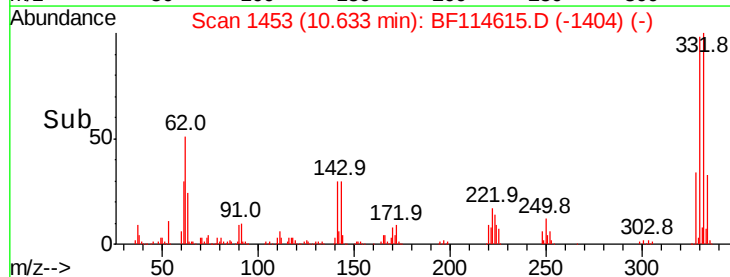
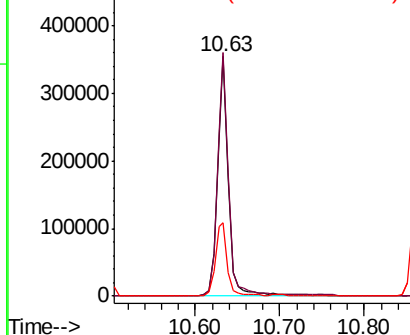
Lab File: BF114615.D

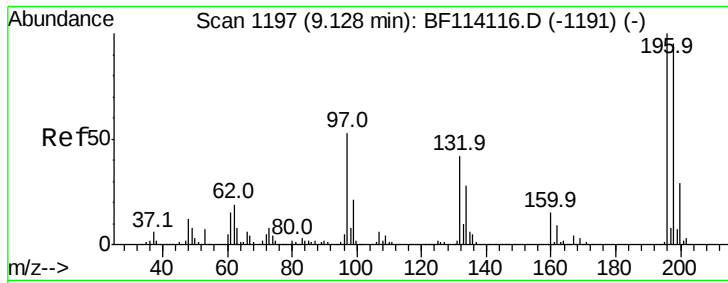
Acq: 25 May 2019 20:16

Tgt Ion:	330	Resp:	336319
Ion Ratio	Lower	Upper	
330	100		
332	102.4	81.4	122.2
141	32.9	26.6	40.0



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





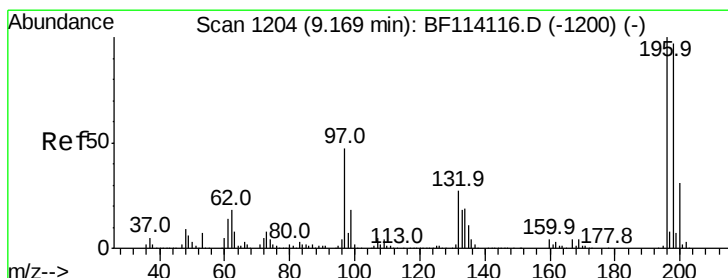
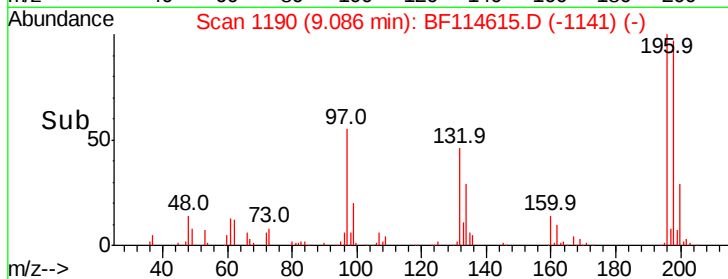
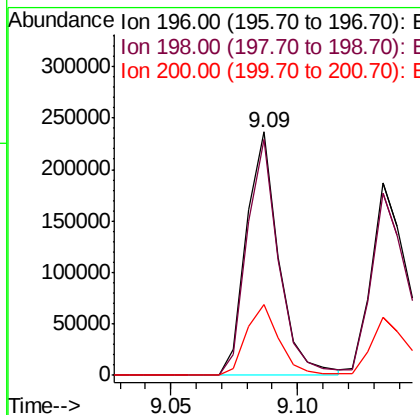
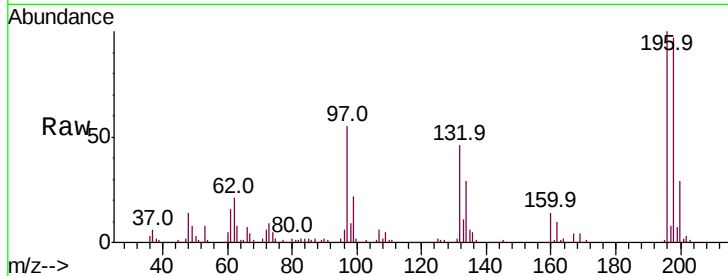
#43
 2,4,6-Trichlorophenol
 Concen: 40.859 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	209968		
198	96.8	75.9	113.9	
200	29.3	23.5	35.3	

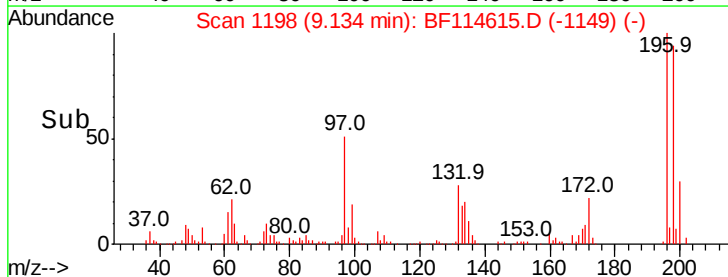
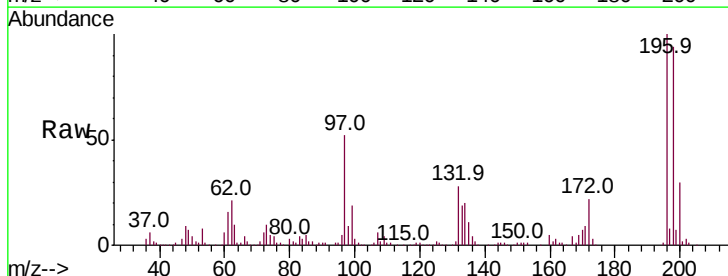
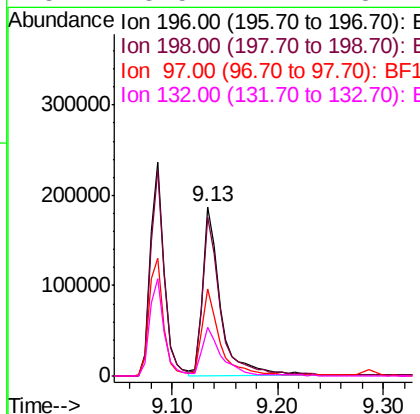
Manual Integrations
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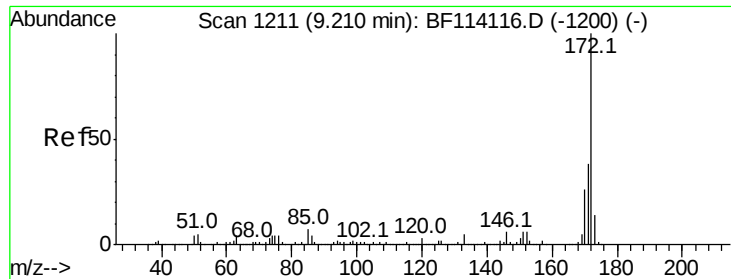
mohammad
 5/27/2019 3:50:15 AM



#44
 2,4,5-Trichlorophenol
 Concen: 41.373 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	218043		
198	94.3	77.7	116.5	
97	51.6	38.2	57.2	
132	28.5	21.4	32.2	





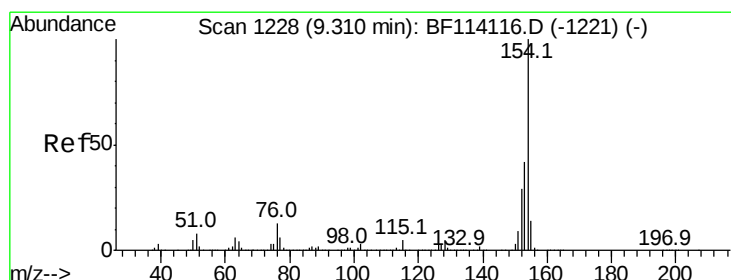
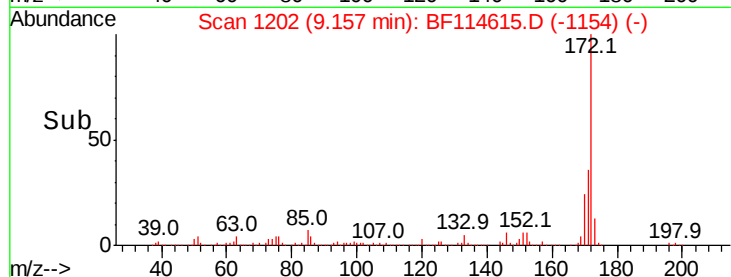
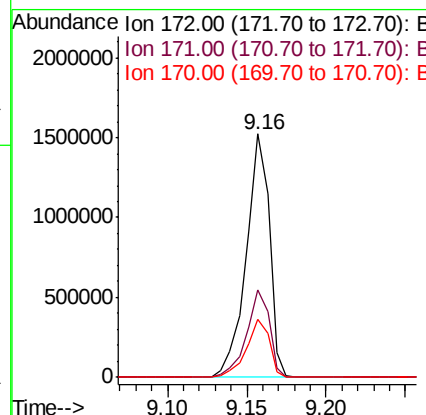
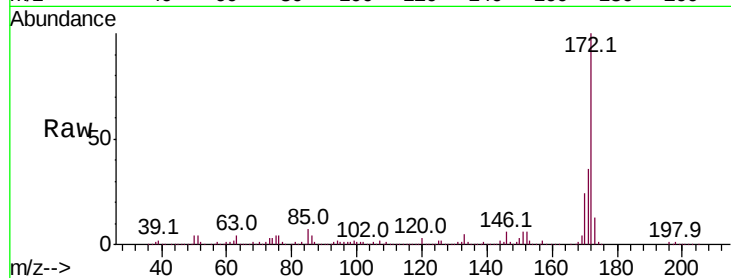
#45
2-Fluorobiphenyl
Concen: 94.561 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.7	46.1
170	24.1	20.5	30.7

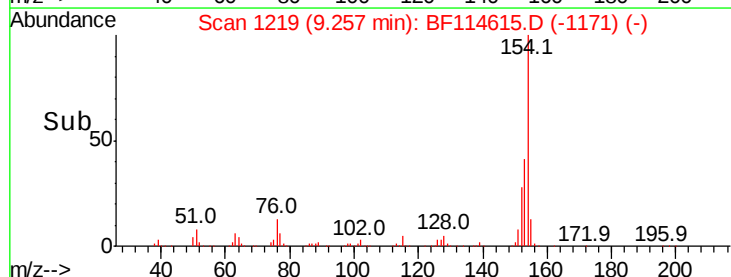
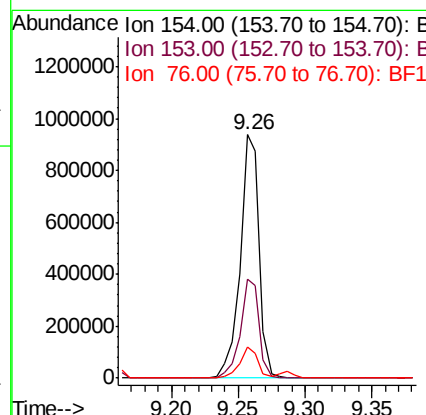
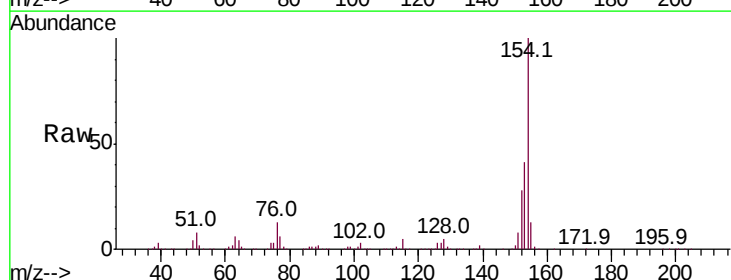
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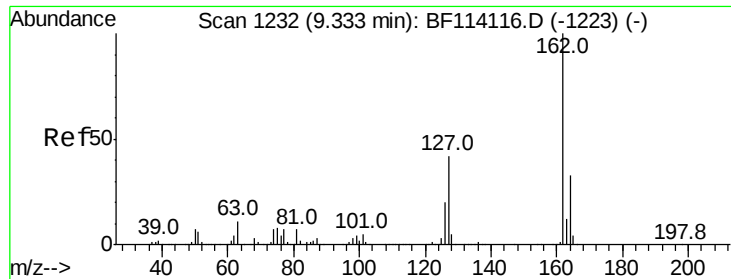
mohammad
5/27/2019 3:50:15 AM



#46
1,1'-Biphenyl
Concen: 46.475 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.9	61.9
76	12.7	0.0	32.8





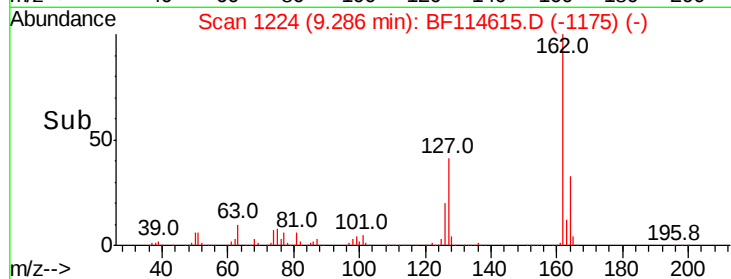
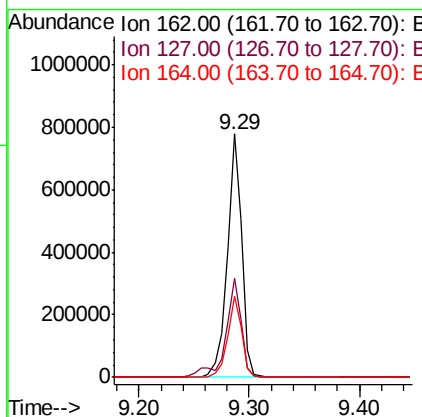
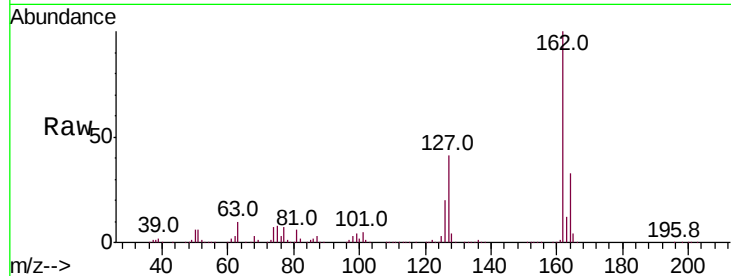
#47
 2-Chloronaphthalene
 Concen: 44.241 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	709419		
127	40.7		34.0	51.0
164	33.4		26.7	40.1

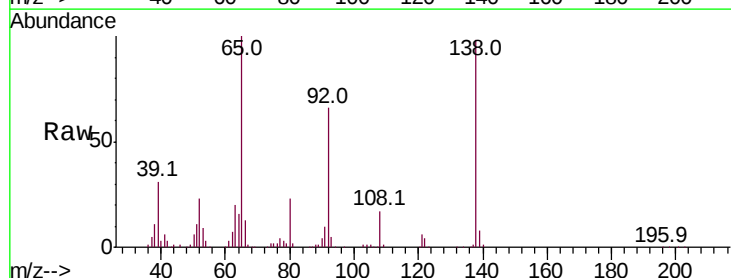
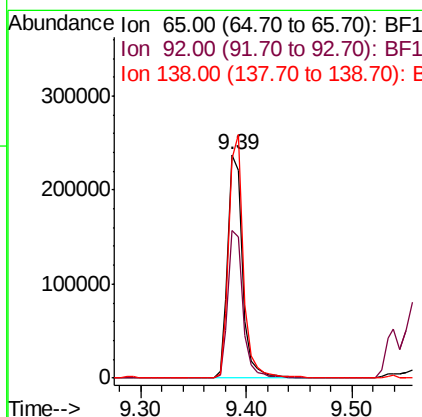
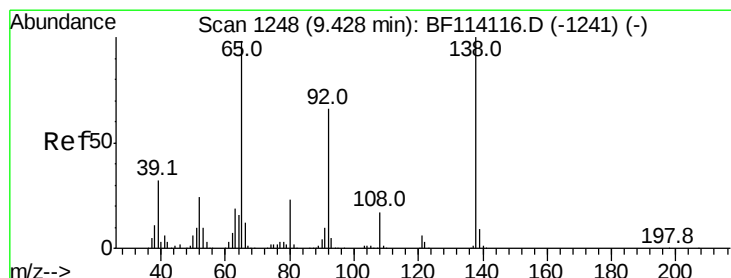
Manual Integrations
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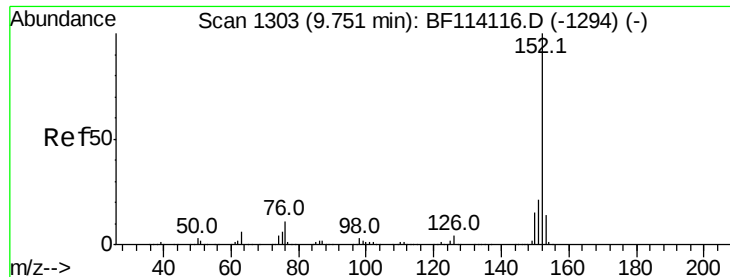
mohammad
 5/27/2019 3:50:15 AM



#48
 2-Nitroaniline
 Concen: 40.706 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.02 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	231494		
92	66.3		53.9	80.9
138	98.1		81.4	122.0





#49

Acenaphthylene

Concen: 45.580 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion:152 Resp: 1111643

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

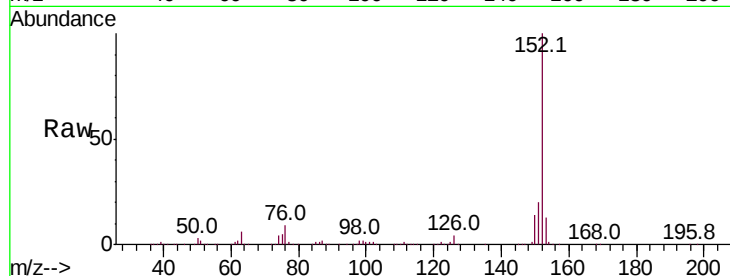
153 13.1 11.4 17.2

Manual Integrations

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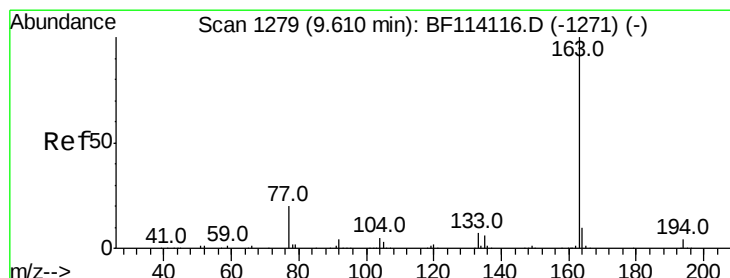
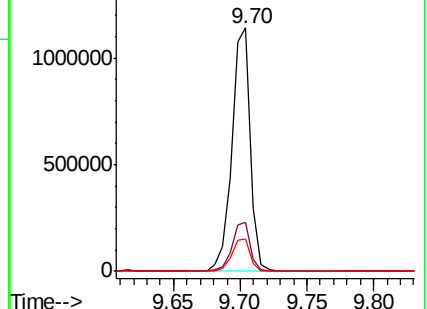
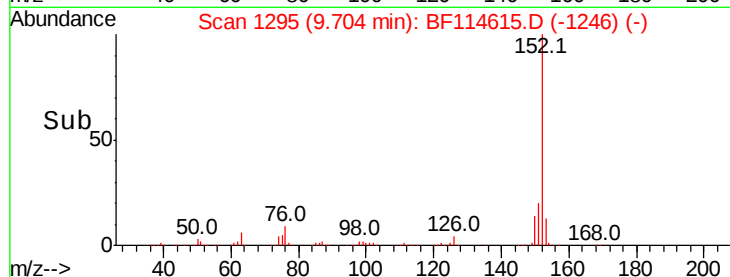
5/27/2019 3:50:15 AM



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: 43.083 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

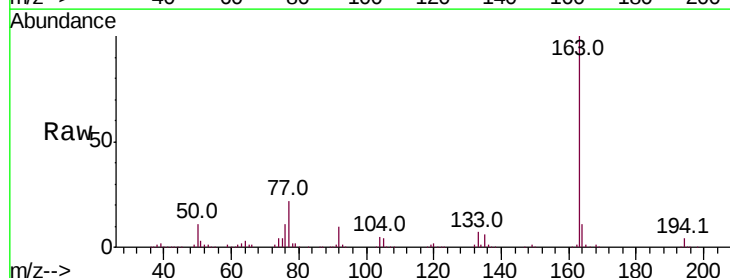
Tgt Ion:163 Resp: 780045

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

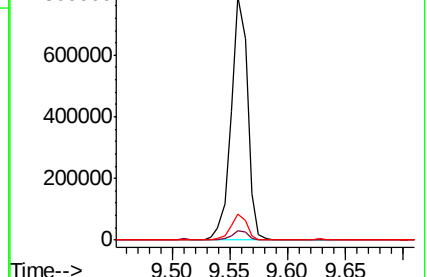
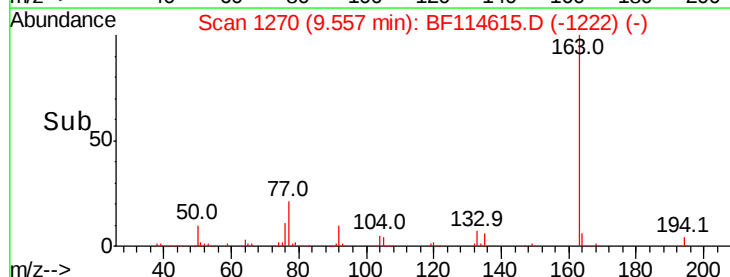
164 10.7 8.2 12.2

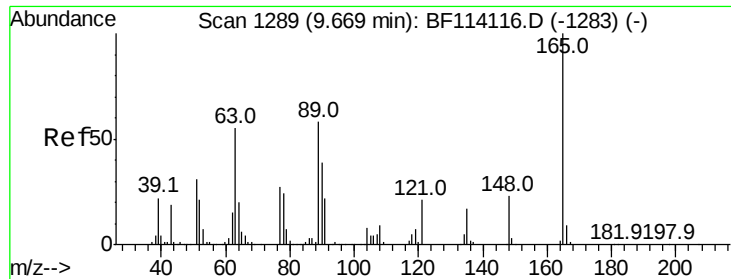


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





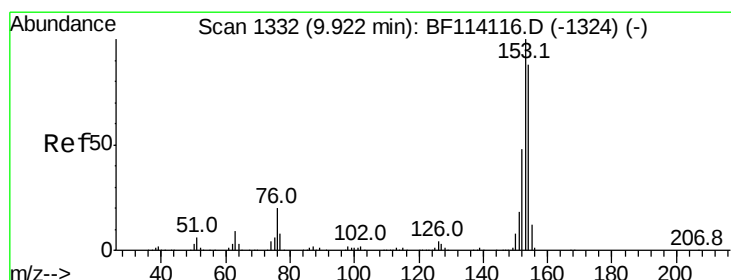
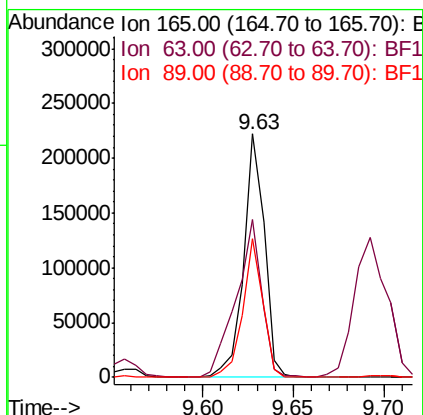
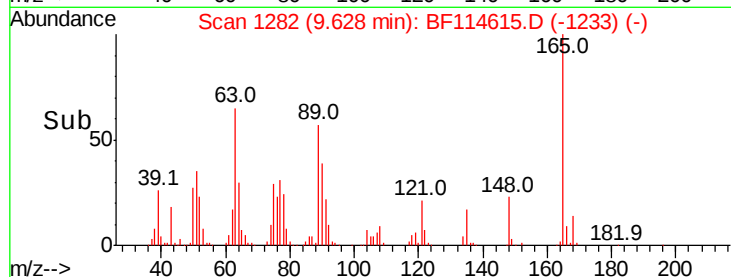
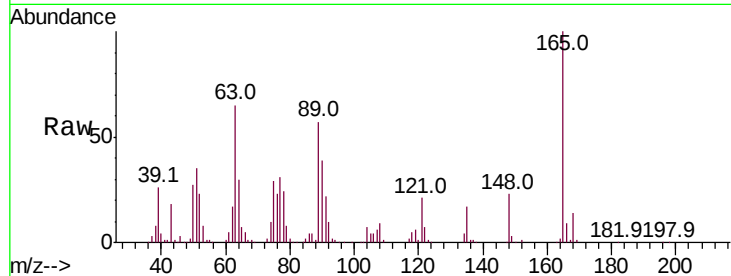
#51
 2,6-Dinitrotoluene
 Concen: 43.795 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	175870		
63	64.8	50.2	75.4	
89	56.8	46.6	69.8	

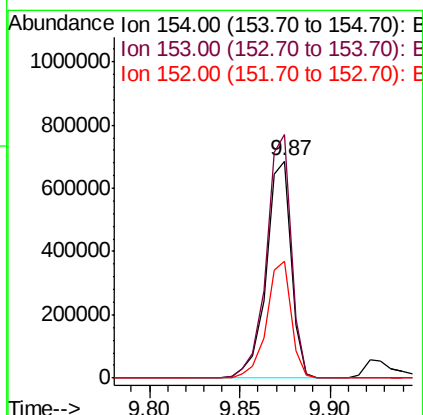
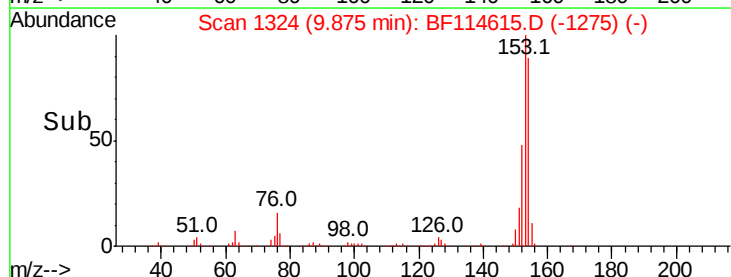
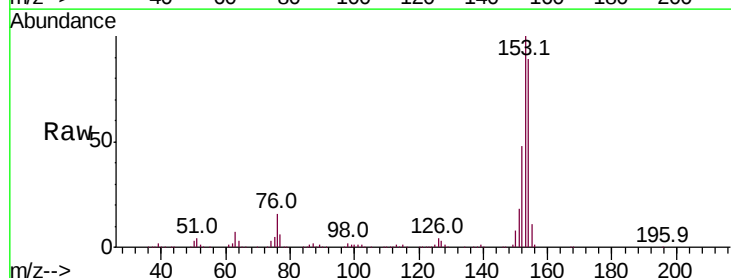
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#52
 Acenaphthene
 Concen: 44.023 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	658843		
153	112.2	90.5	135.7	
152	53.7	43.4	65.2	





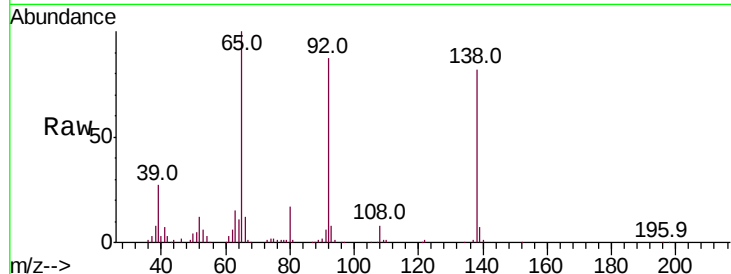
#53
3-Nitroaniline
Concen: 27.228 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

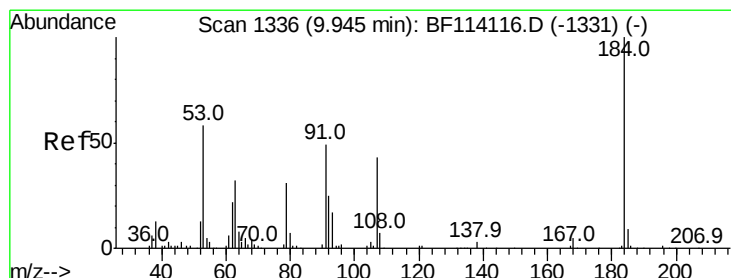
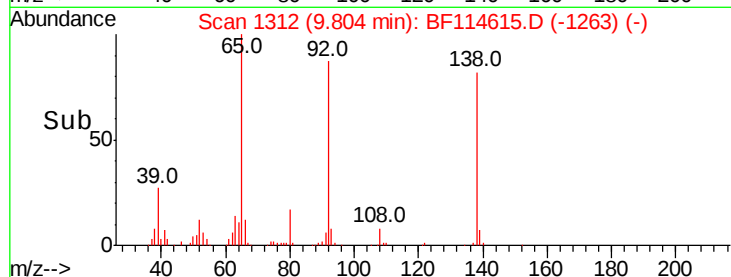
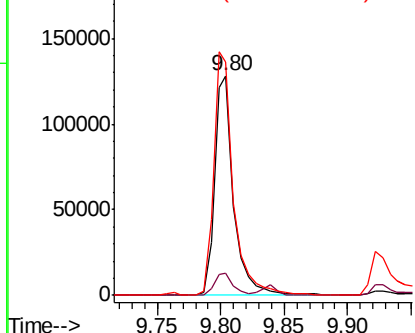
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.8	11.6
92	106.3	91.2	136.8

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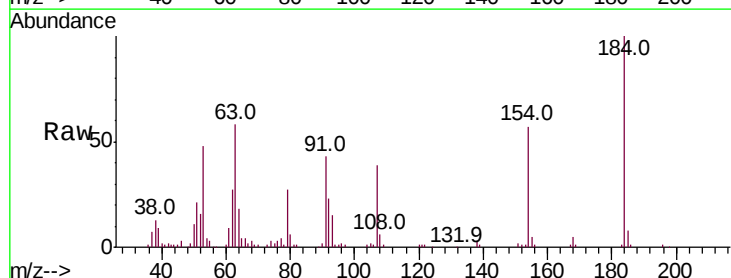


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

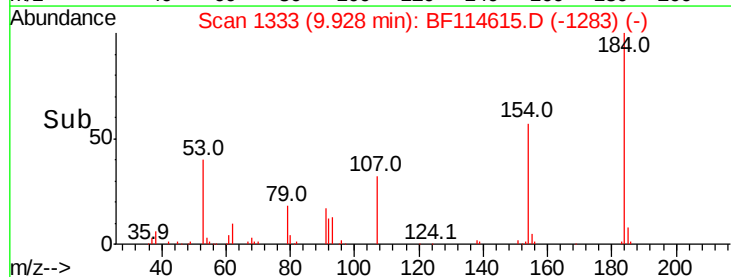
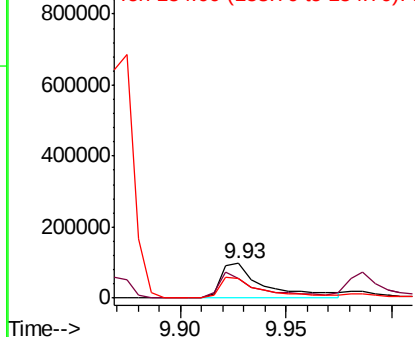


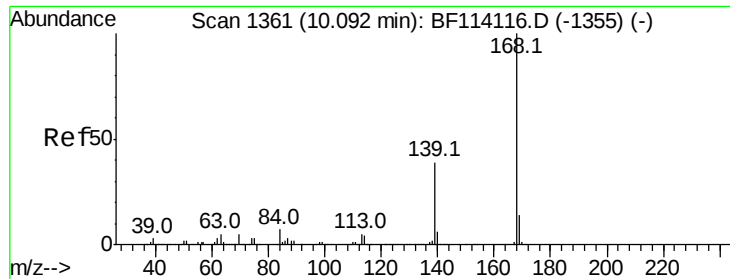
#54
2,4-Dinitrophenol
Concen: 70.643 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.7	55.6	83.4
154	57.0	46.0	69.0



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





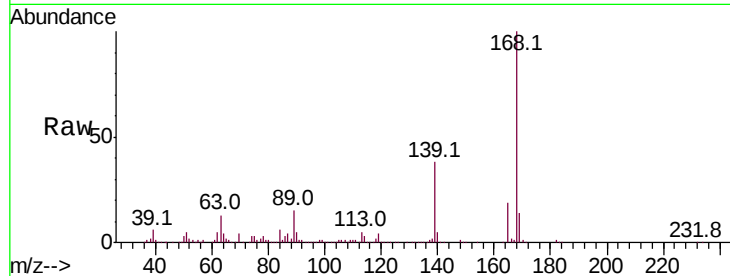
#55
Dibenzofuran
Concen: 43.366 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.1	46.7
169	13.6	11.4	17.0

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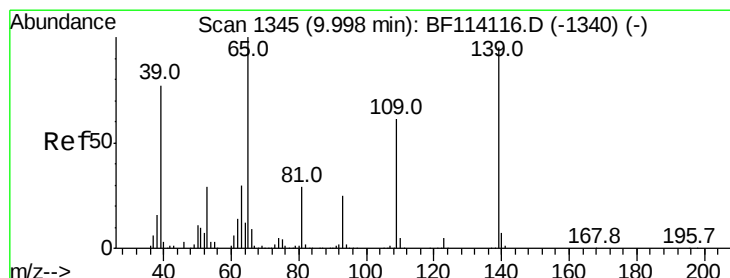
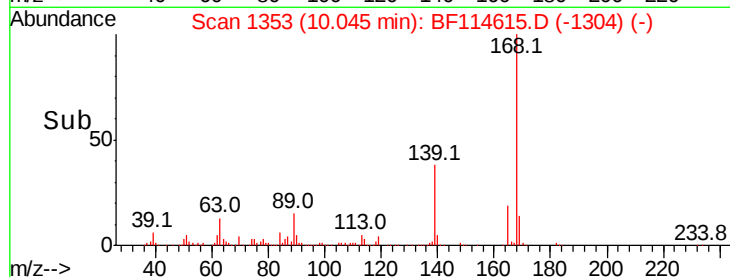
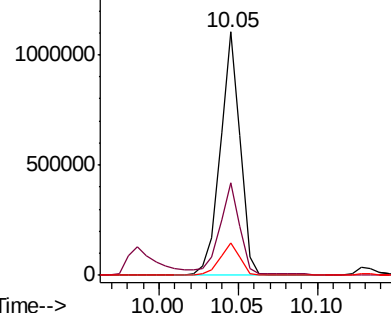


Abundance

Ion 168.00 (167.70 to 168.70): E

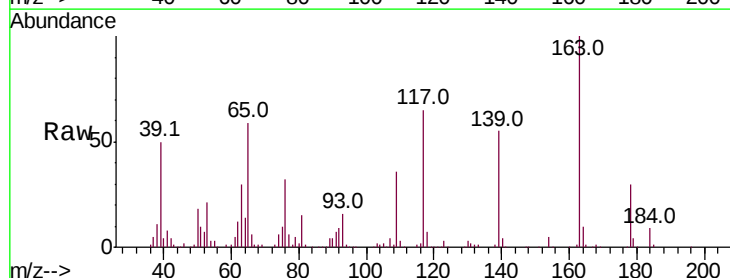
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 49.771 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.9	43.9	83.9
65	106.0	85.7	125.7

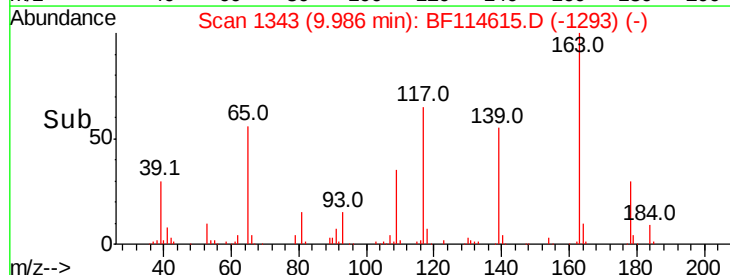
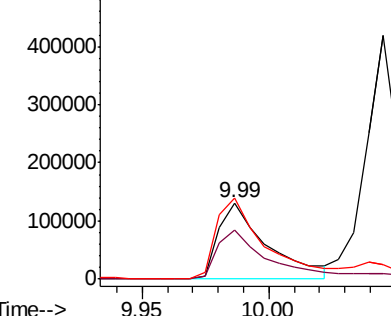


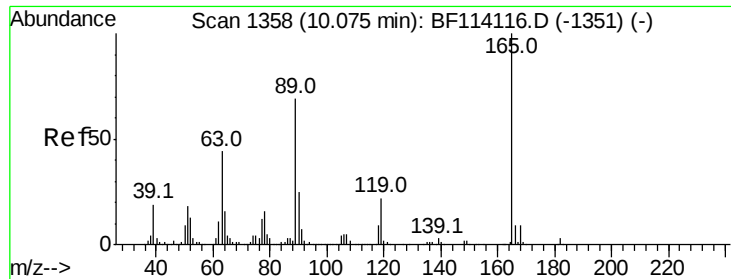
Abundance

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: 40.313 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion:165 Resp: 219732
Ion Ratio Lower Upper

165 100

63 66.0 35.5 53.3#

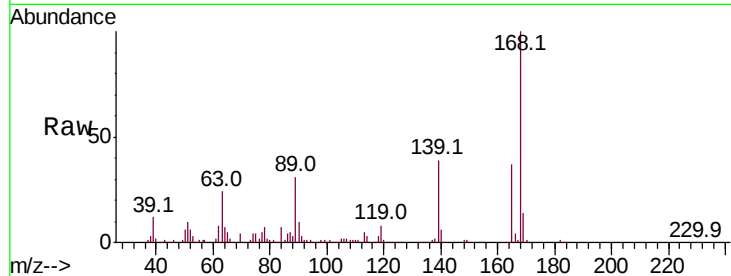
89 82.4 55.2 82.8

182 2.4 2.2 3.2

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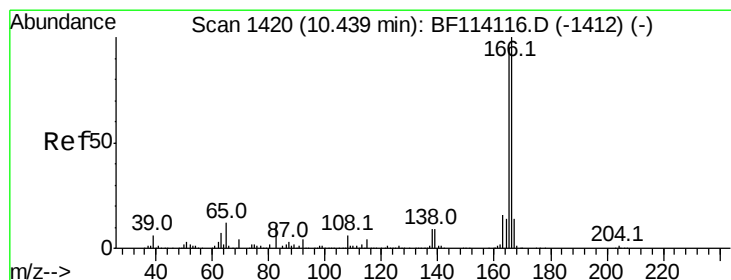
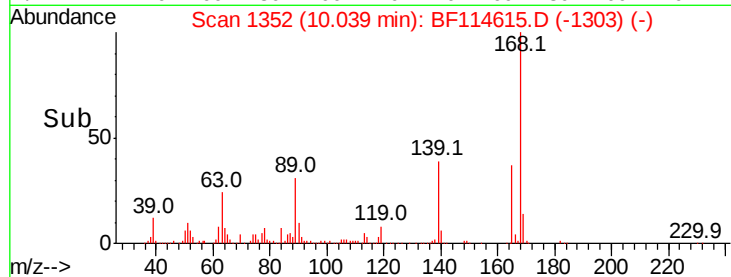
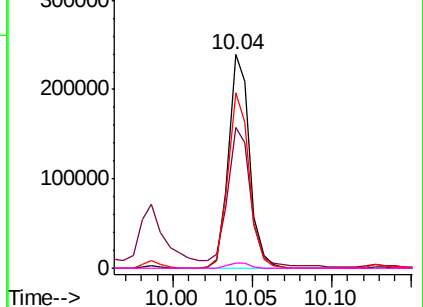


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.727 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:166 Resp: 775123
Ion Ratio Lower Upper

166 100

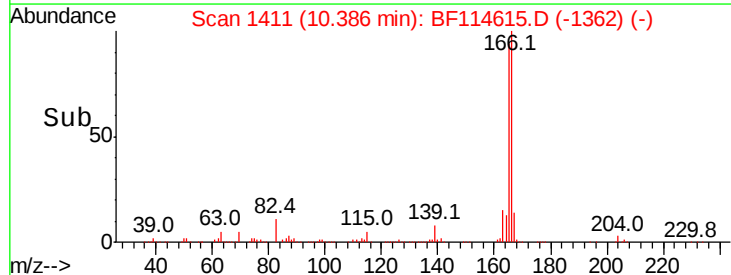
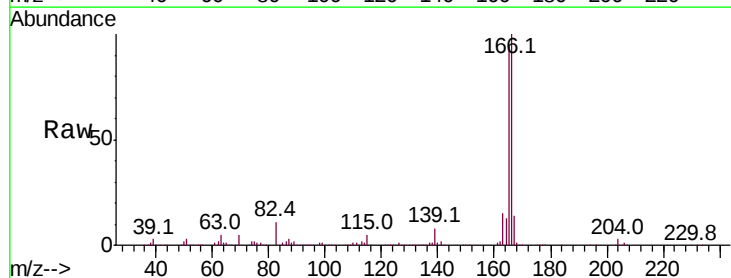
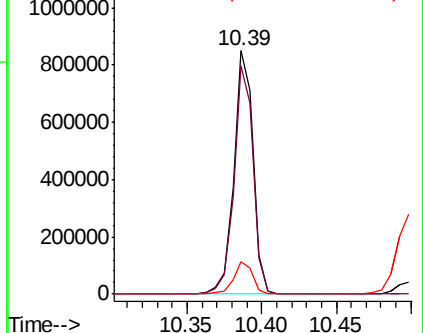
165 93.7 76.1 114.1

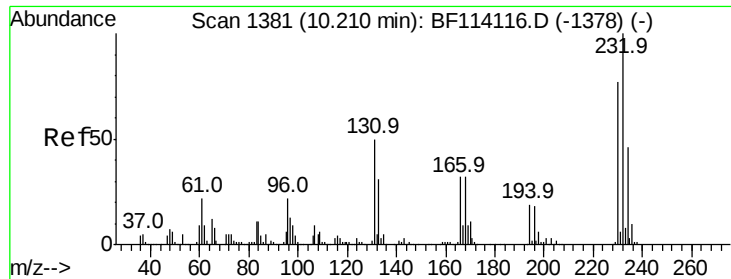
167 13.6 11.1 16.7

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





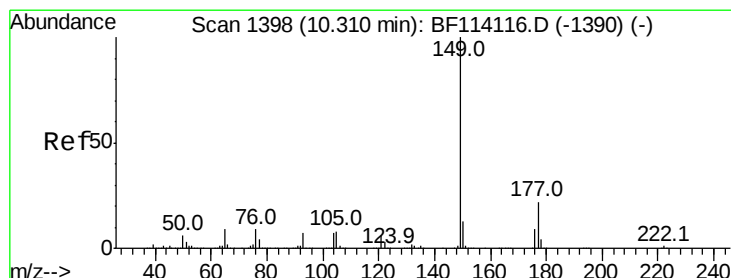
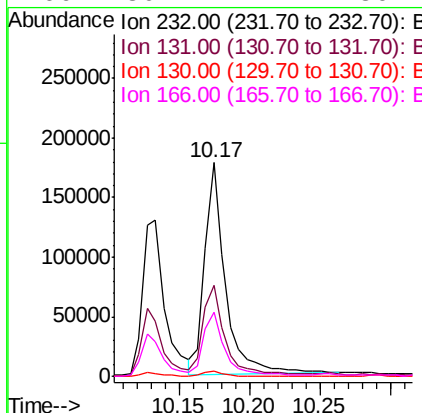
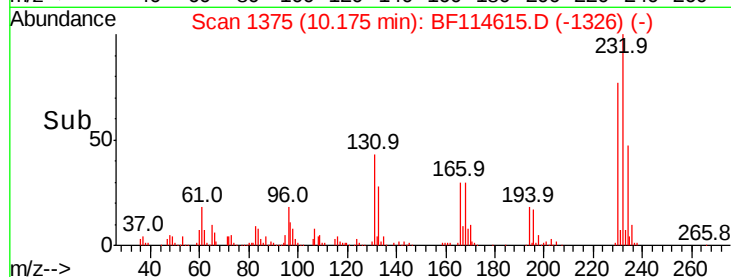
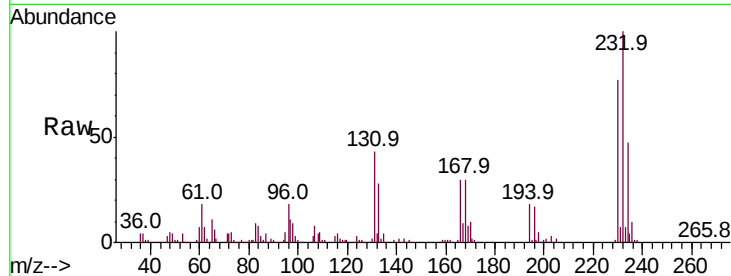
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.878 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampled :
 PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	181339		
131	43.3		35.6	53.4
130	2.4		1.6	2.4
166	30.1		24.1	36.1

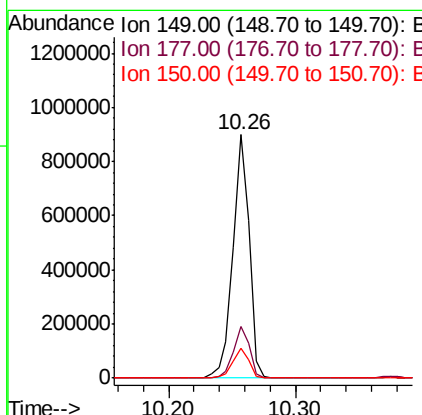
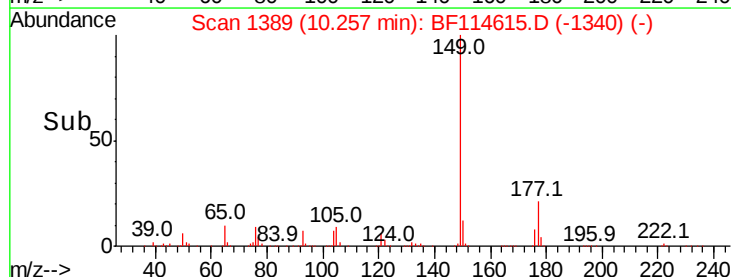
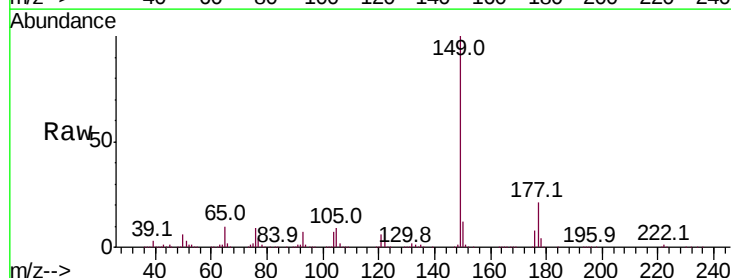
Manual Integrations
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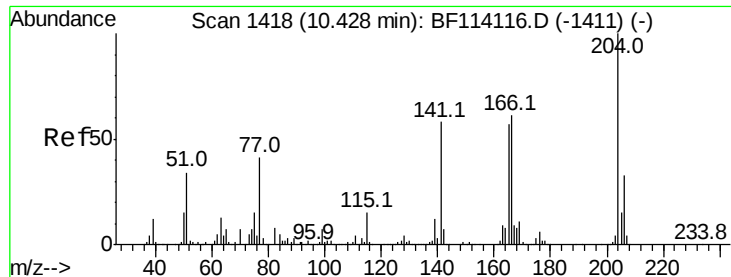
mohammad
 5/27/2019 3:50:15 AM



#60
 Diethylphthalate
 Concen: 42.792 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	787206		
177	21.0		17.8	26.6
150	12.5		10.2	15.2





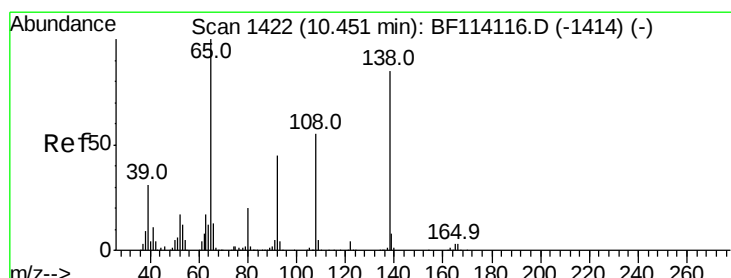
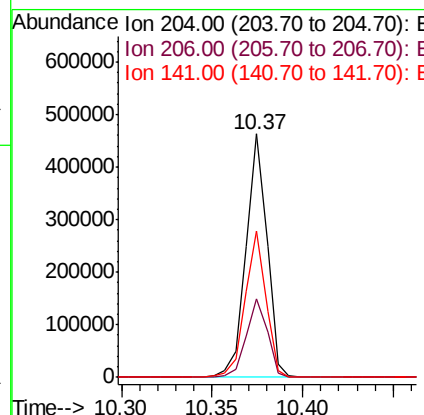
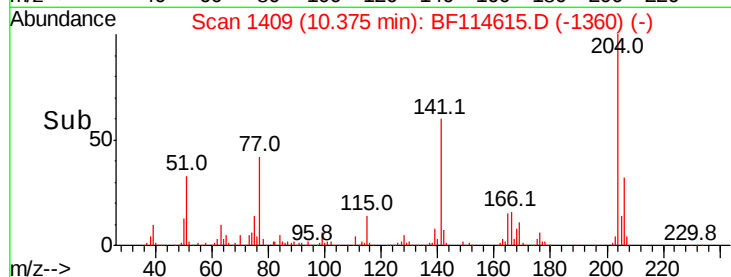
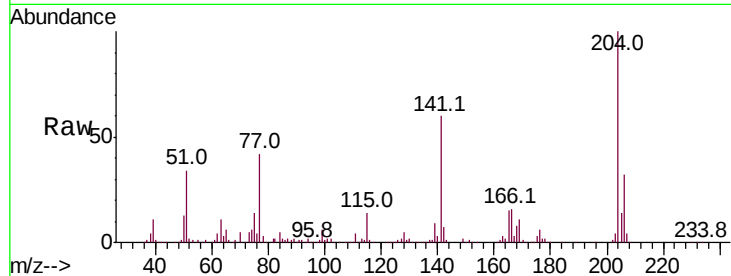
#61
4-Chlorophenyl-phenylether
Concen: 44.836 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	39.8
141	60.4	46.4	69.6

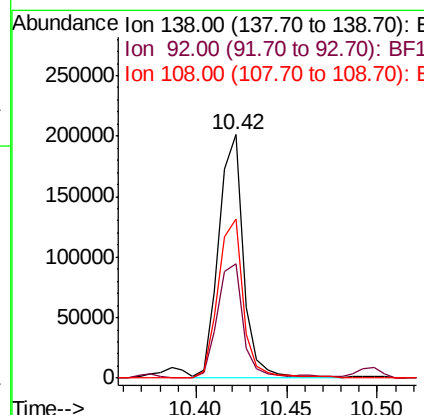
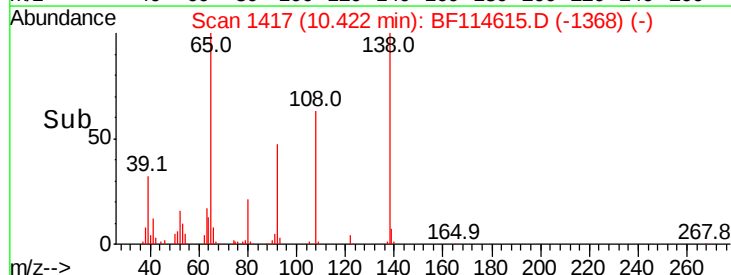
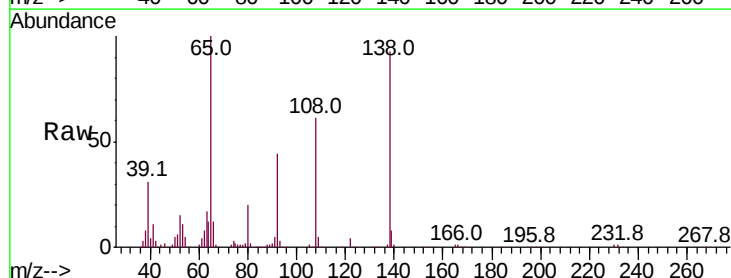
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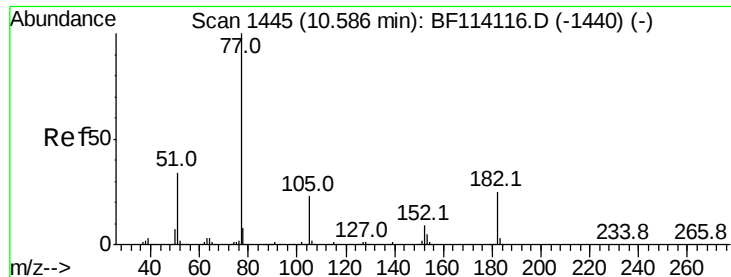
mohammad
5/27/2019 3:50:15 AM



#62
4-Nitroaniline
Concen: 36.238 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.8	33.0	73.0
108	65.1	44.9	84.9





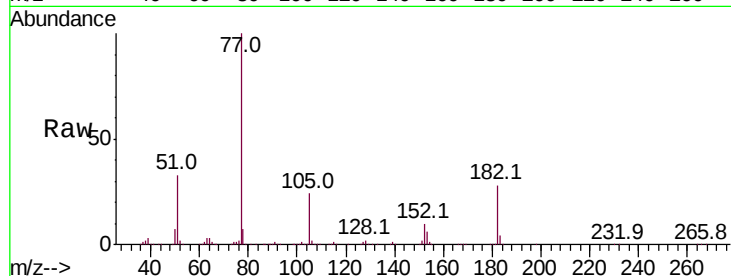
#63
Azobenzene
Concen: 42.489 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.0	4.7	44.7
105	23.5	2.9	42.9
51	32.6	14.6	54.6

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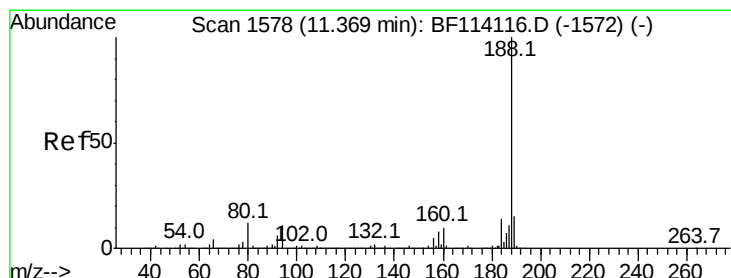
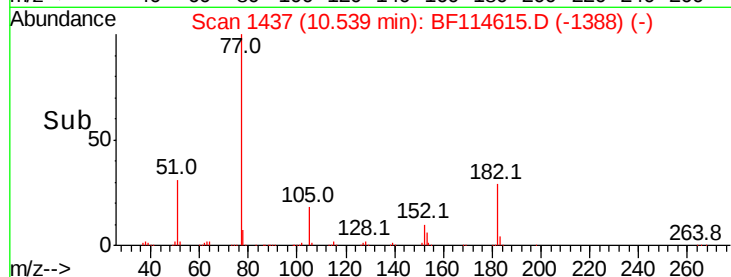
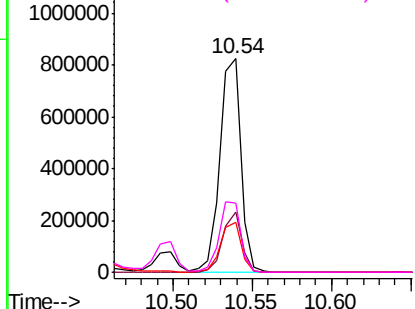
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

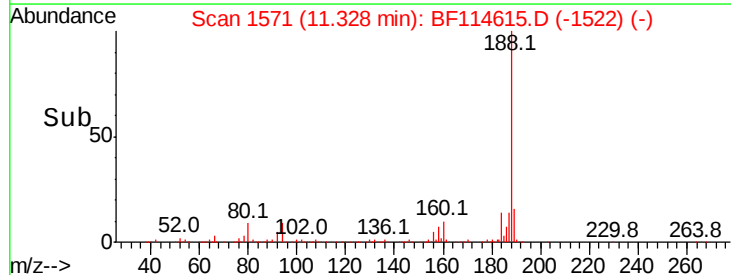
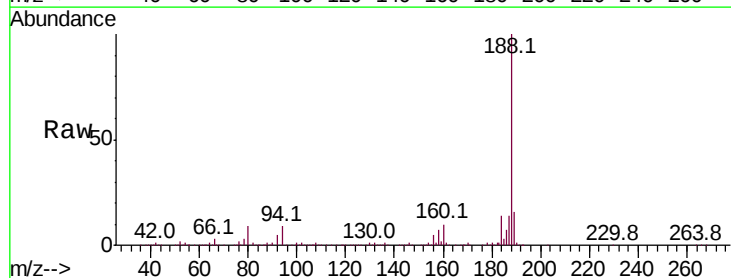
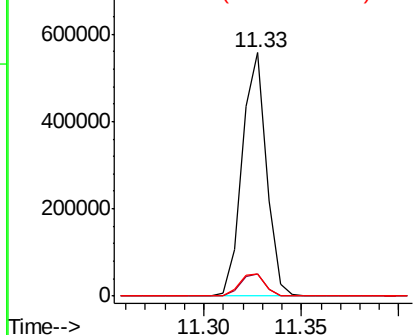
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.4	12.6
80	9.1	9.2	13.8#

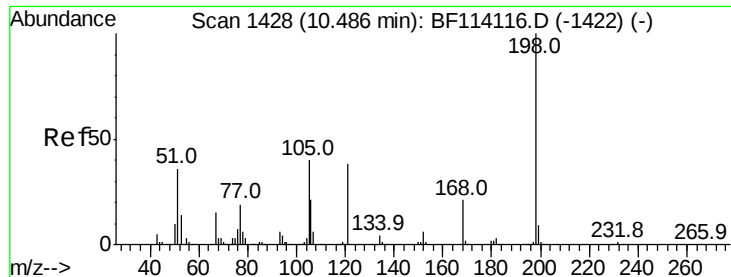
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 43.978 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion:198 Resp: 101698

Ion Ratio Lower Upper

198 100

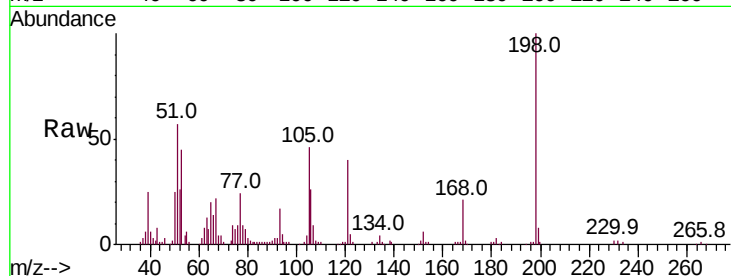
51 56.9 28.0 68.0

105 46.3 21.1 61.1

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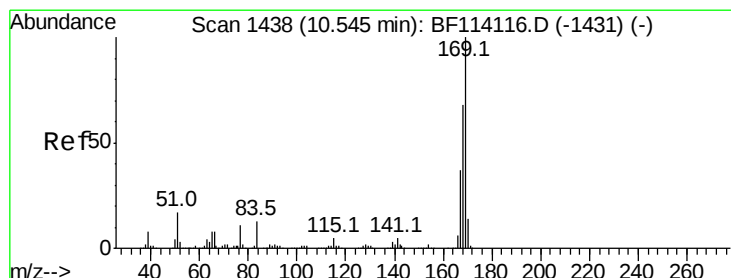
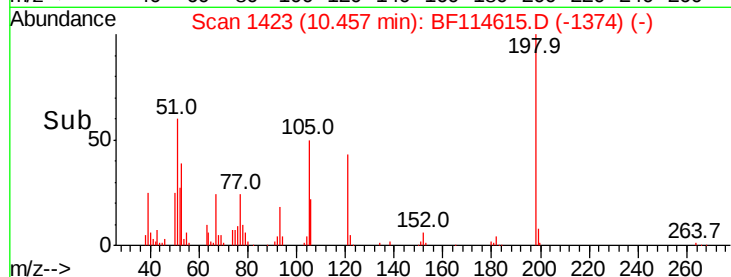
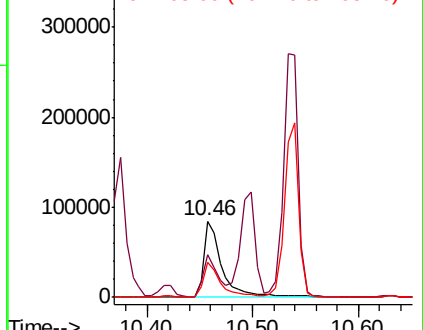
5/27/2019 3:50:15 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.269 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

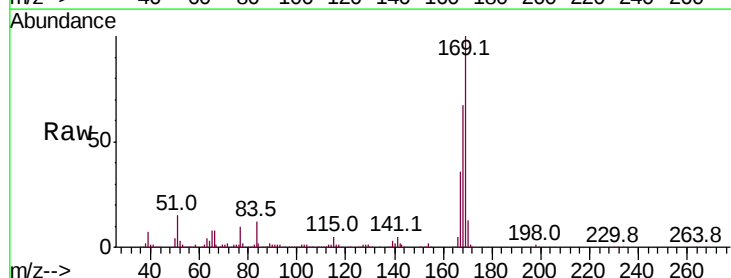
Tgt Ion:169 Resp: 675811

Ion Ratio Lower Upper

169 100

168 67.0 54.2 81.2

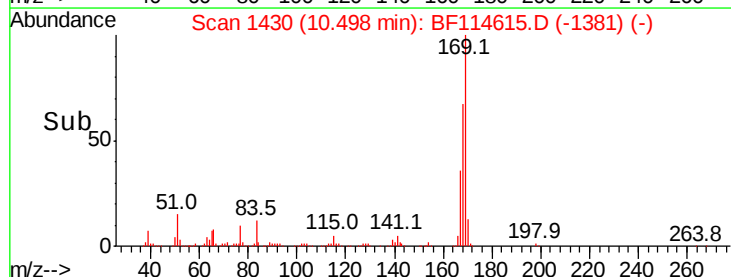
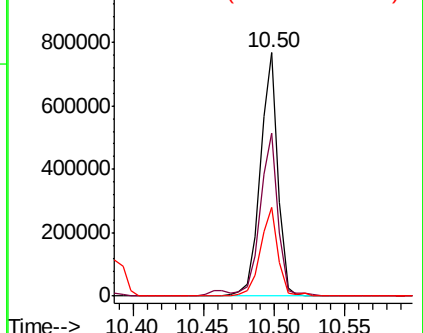
167 36.3 29.8 44.8

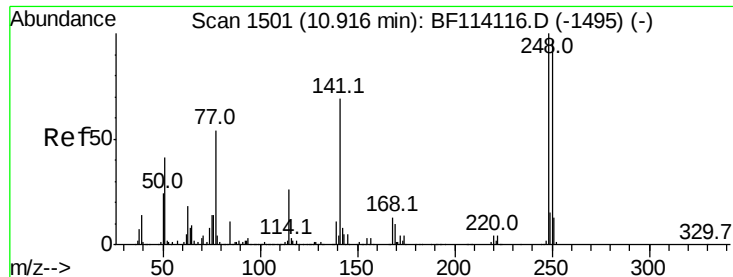


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 43.710 ng

RT: 10.86 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

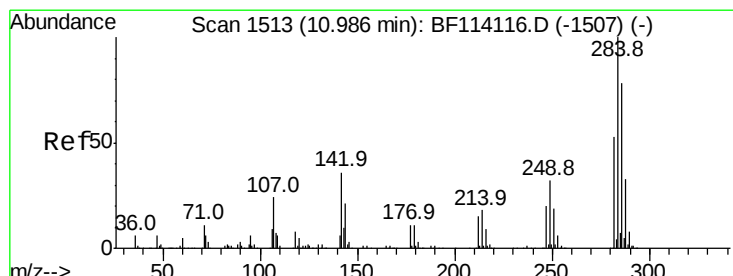
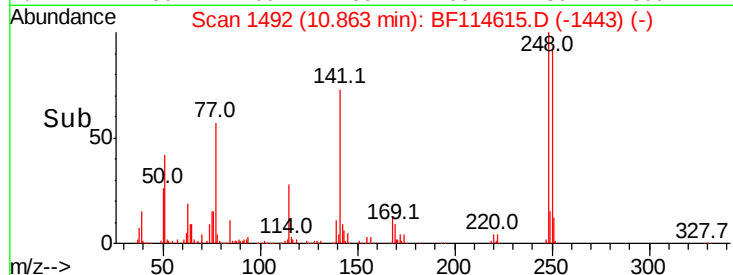
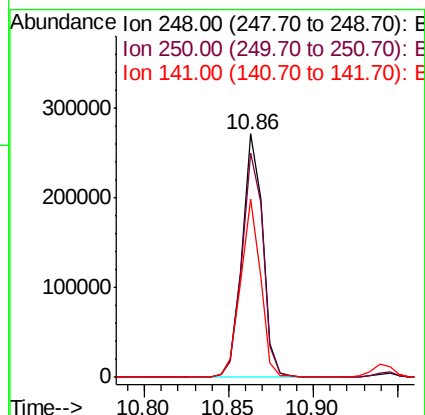
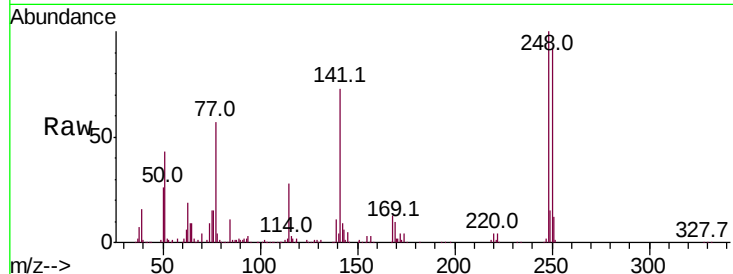
Instrument :
BNA_F

ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	91.9	77.4	116.2
141	73.2	55.6	83.4

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#68

Hexachlorobenzene

Concen: 41.973 ng

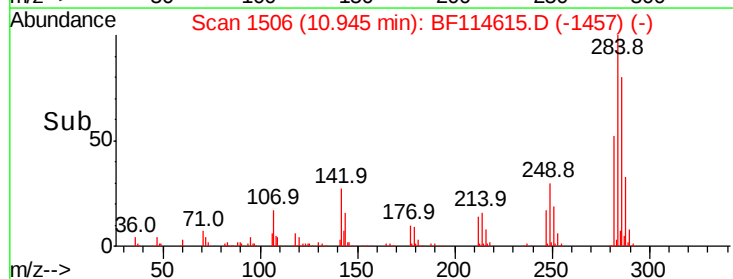
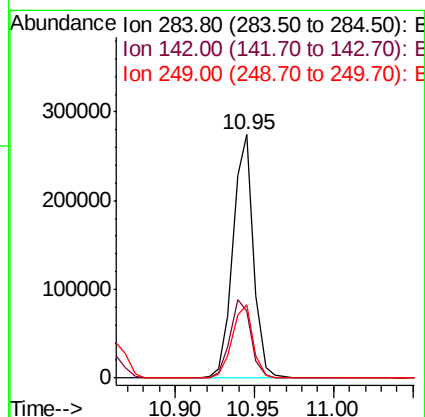
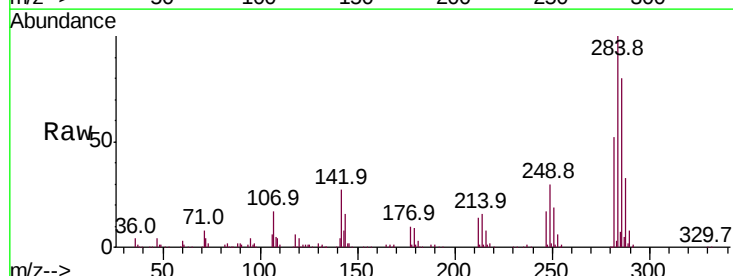
RT: 10.95 min Scan# 1506

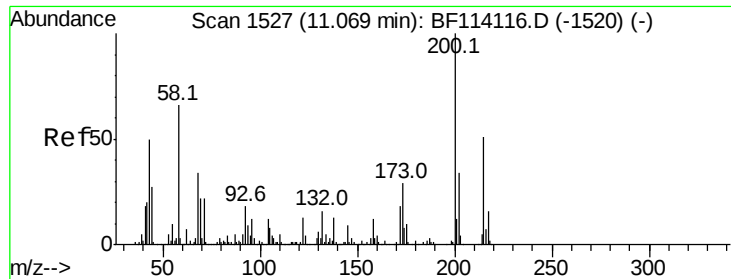
Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.3	28.4	42.6#
249	30.0	25.2	37.8





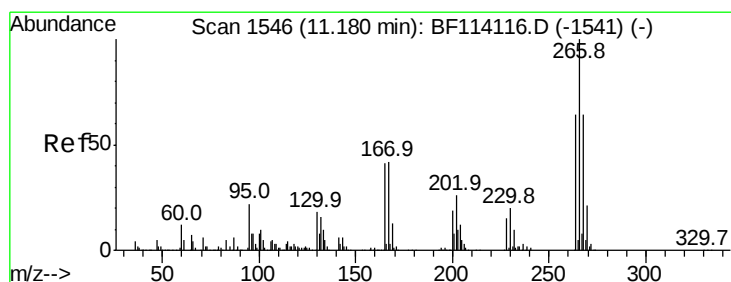
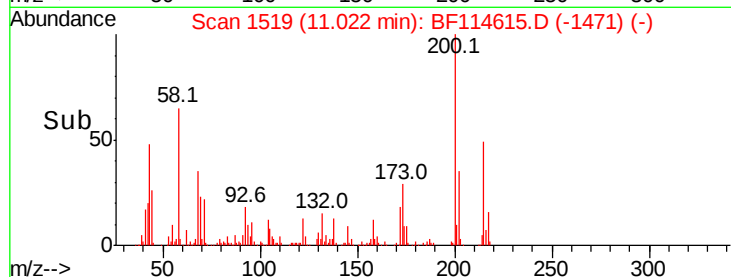
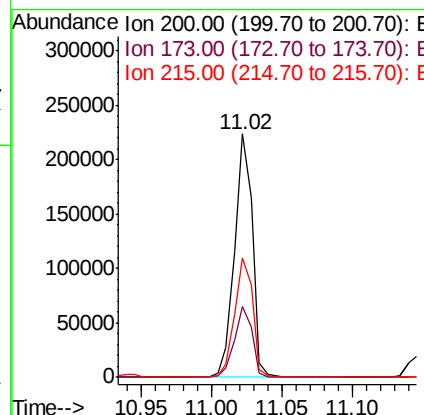
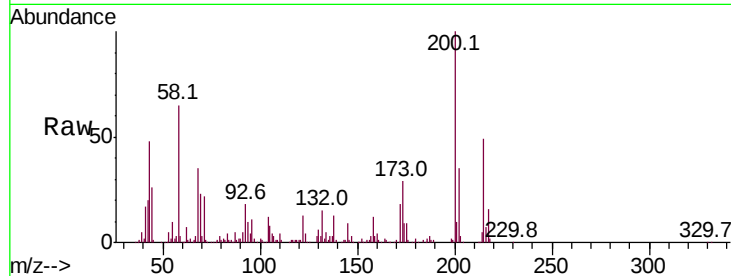
#69
Atrazine
Concen: 43.207 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	29.3	8.9	48.9
215	49.2	30.7	70.7

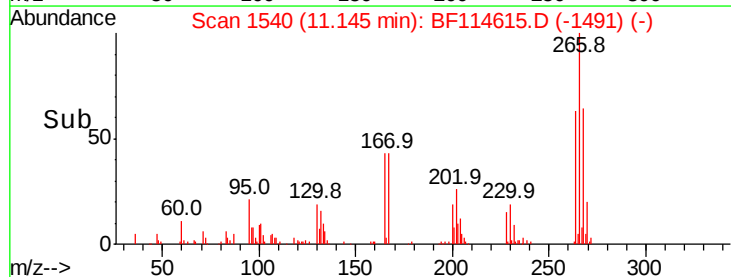
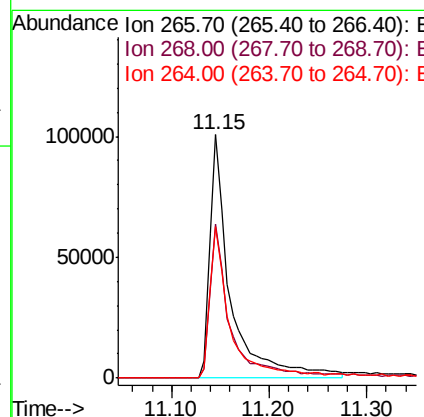
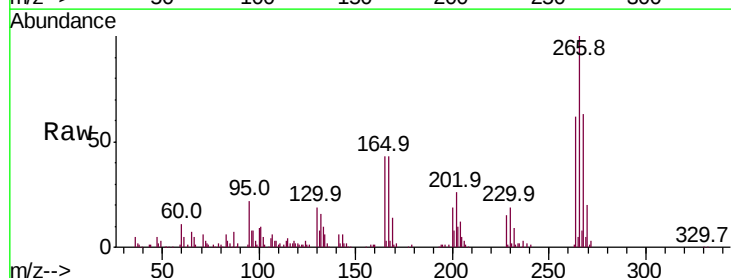
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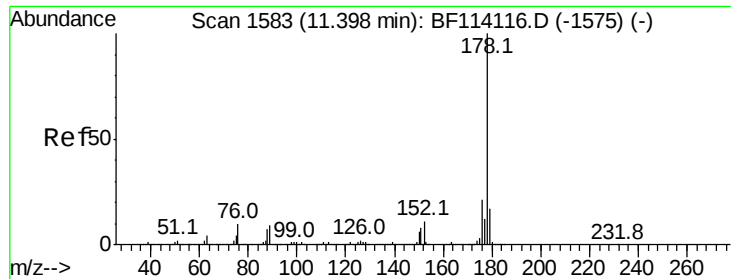
mohammad
5/27/2019 3:50:15 AM



#70
Pentachlorophenol
Concen: 53.603 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.5	51.1	76.7
264	62.4	51.1	76.7





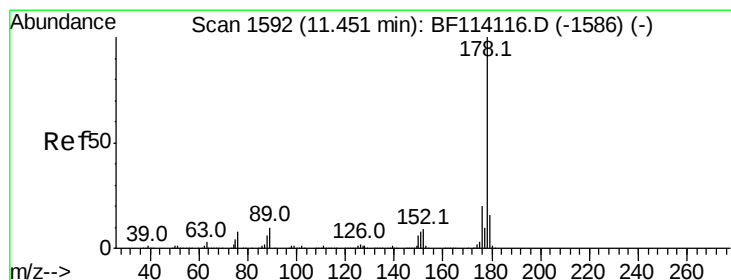
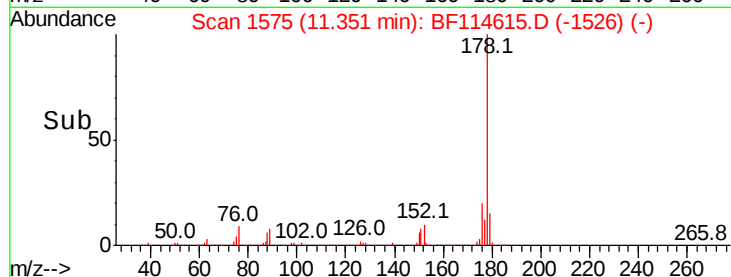
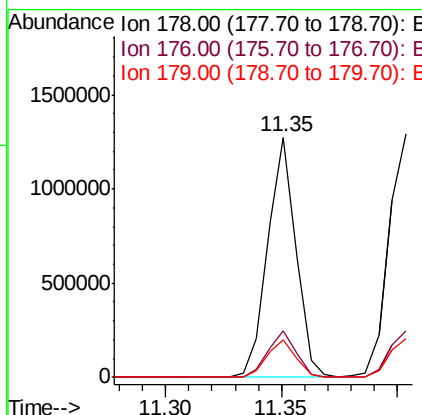
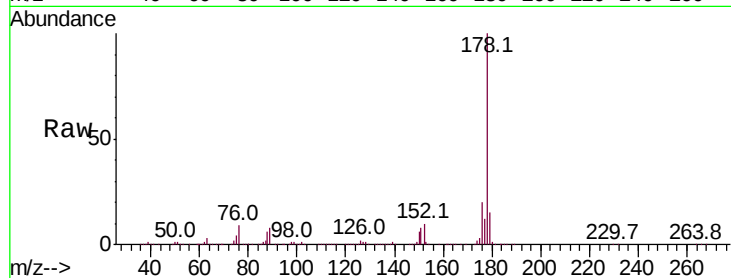
#71
Phenanthrene
Concen: 46.371 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion:178 Resp: 1085702
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.4 13.2 19.8

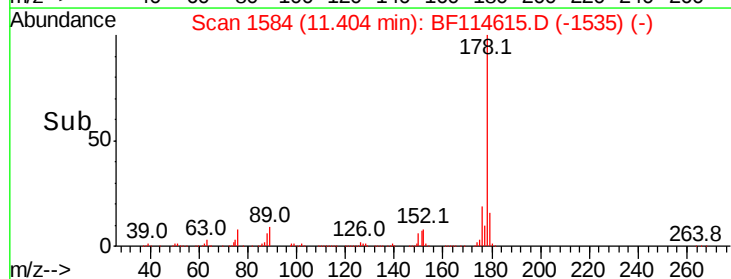
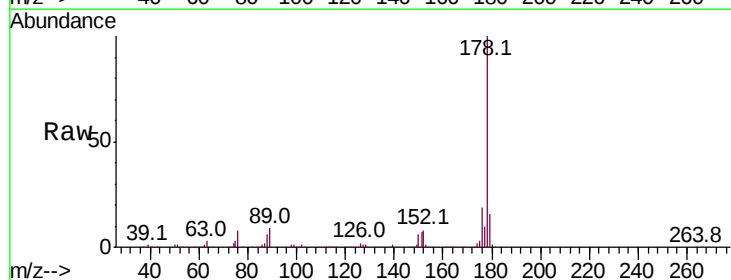
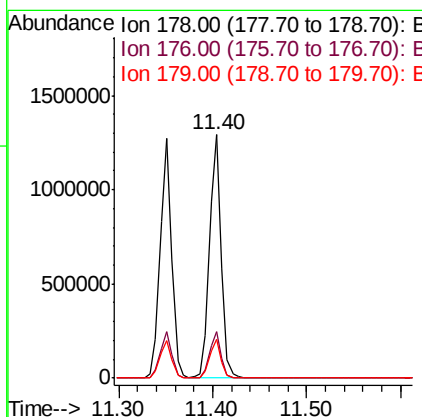
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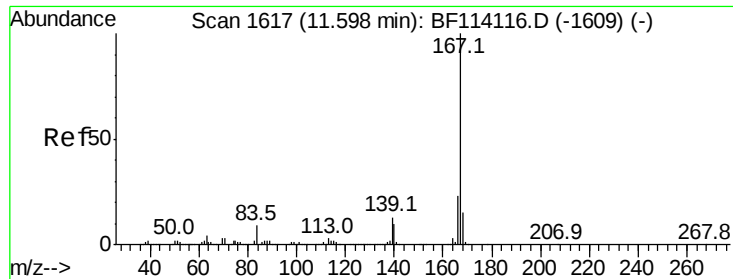
mohammad
5/27/2019 3:50:15 AM



#72
Anthracene
Concen: 48.362 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion:178 Resp: 1137305
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.0 13.0 19.4





#73

Carbazole

Concen: 46.839 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampled :

PB119956BS

Tot Ion:167 Resp: 1050387

Ion Ratio Lower Upper

167 100

166 21.9 18.2 27.2

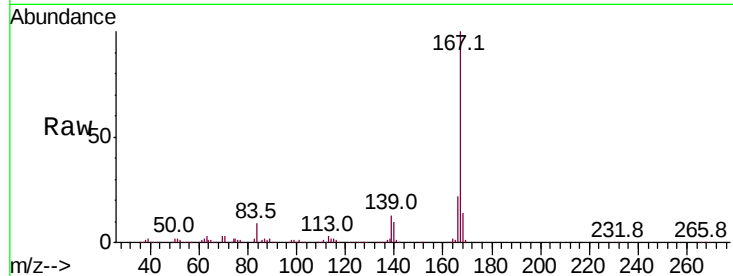
139 12.9 10.6 16.0

Manual Integrations

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mohammad

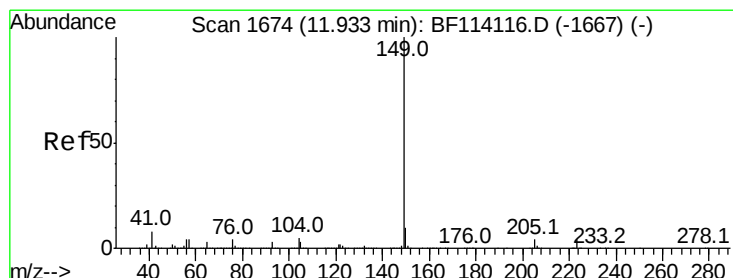
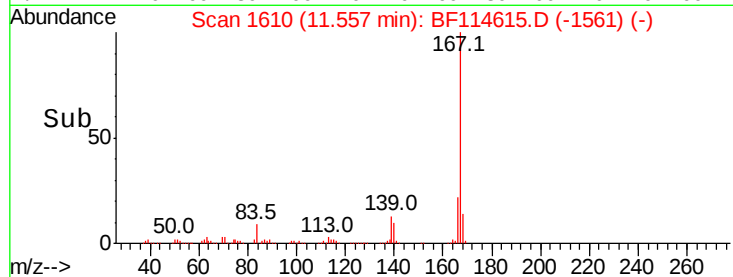
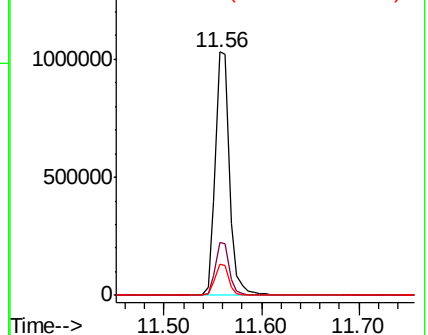
5/27/2019 3:50:15 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.868 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

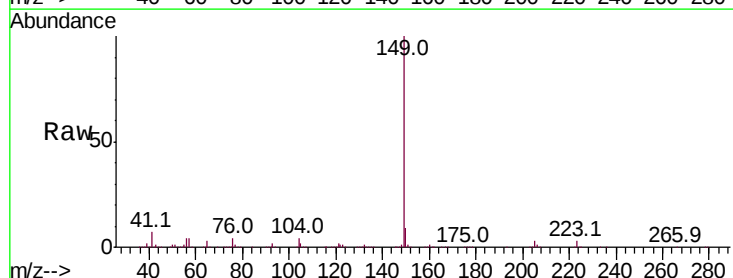
Tgt Ion:149 Resp: 1210861

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

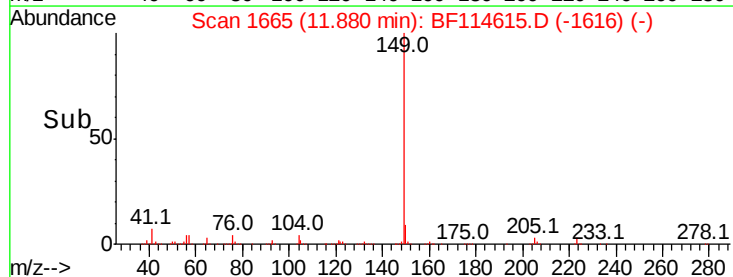
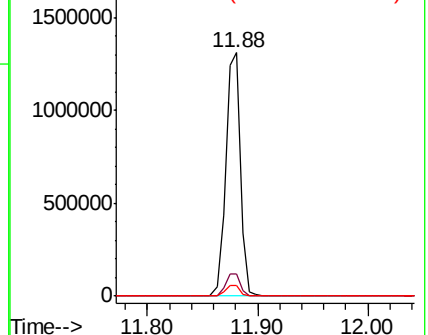
104 4.2 3.6 5.4

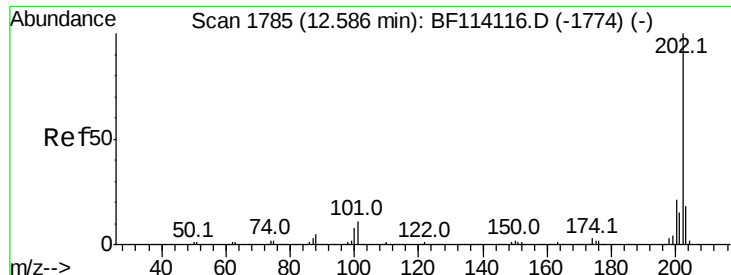


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





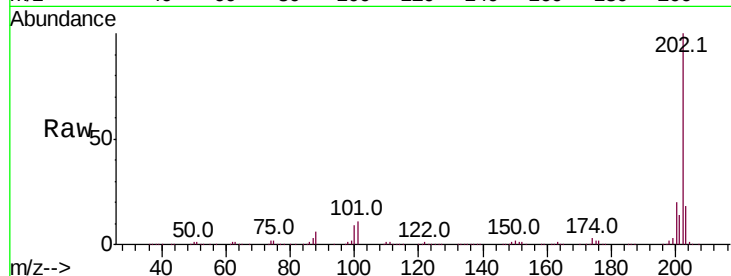
#75
Fluoranthene
 Concen: 46.641 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

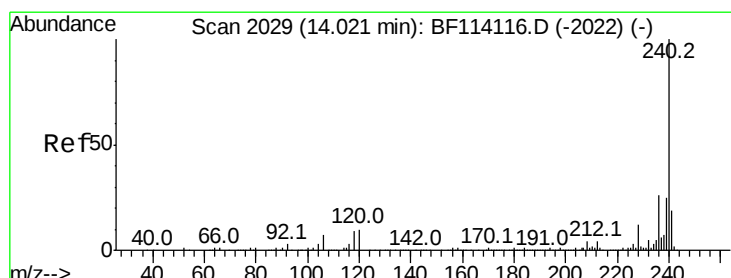
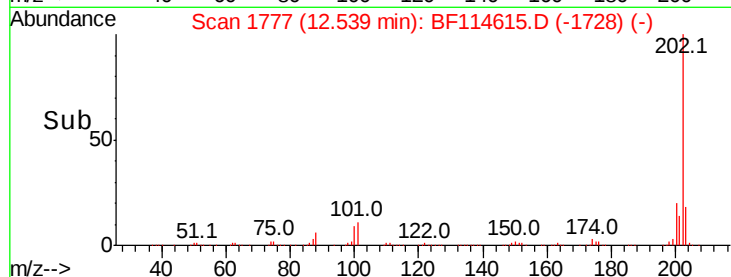
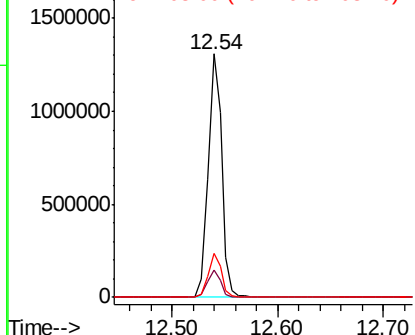
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1175954		
101	11.4		0.0	31.0
203	18.1		0.0	38.4

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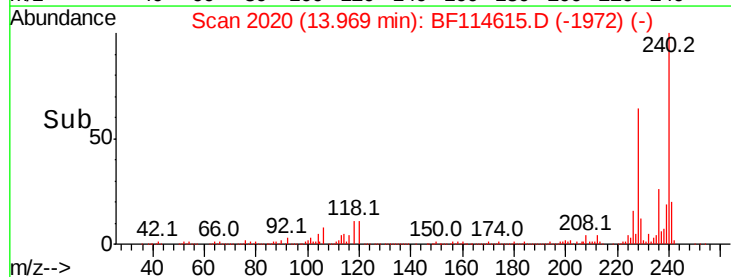
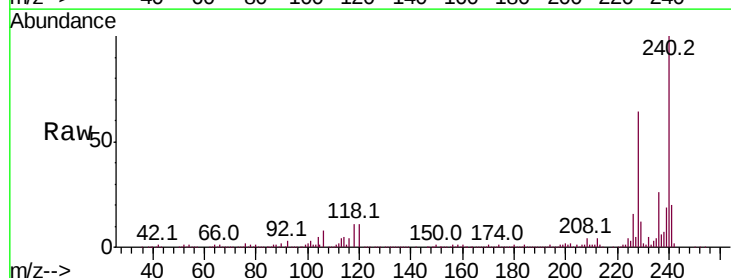
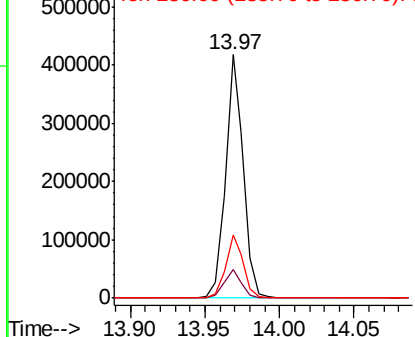
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

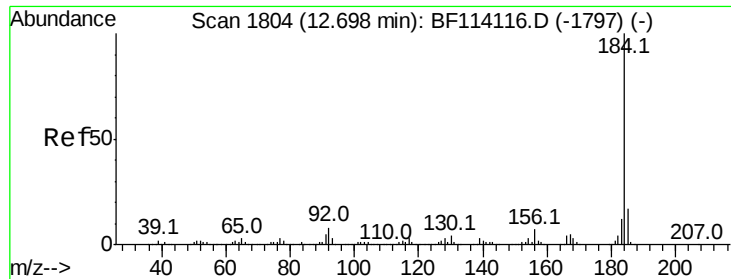


#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	348964		
120	11.5		8.3	12.5
236	25.9		20.8	31.2

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 37.241 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

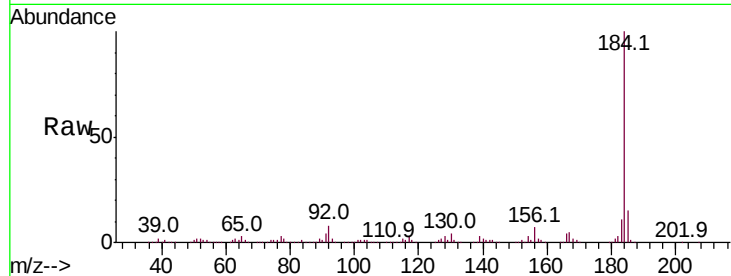
ClientSampleId :

PB119956BS

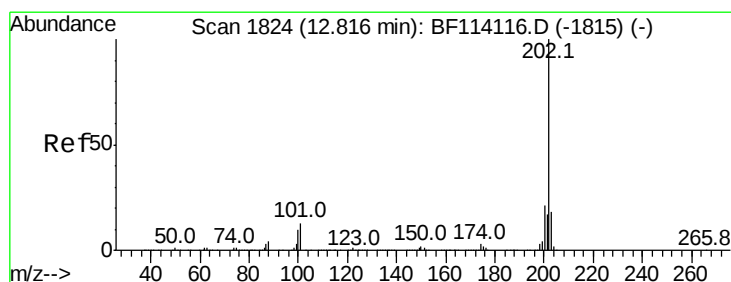
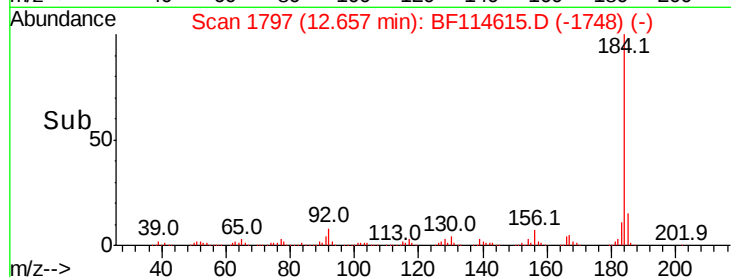
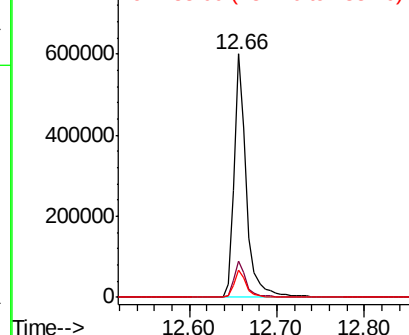
Tot Ion:	184	Resp:	583364
Ion Ratio	Lower	Upper	
184	100		
185	14.9	13.6	20.4
183	11.2	9.2	13.8

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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: 42.197 ng

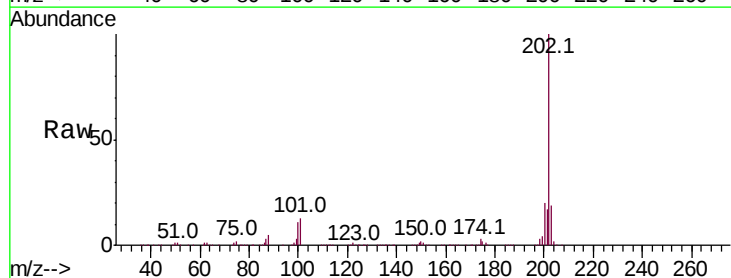
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

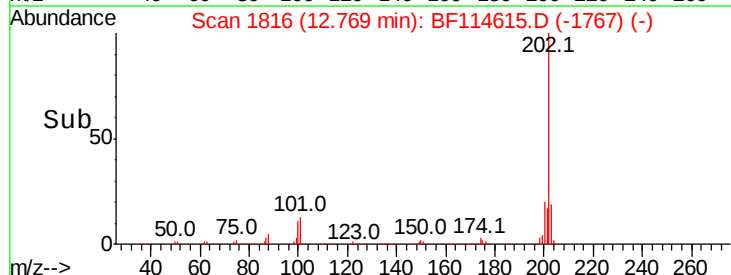
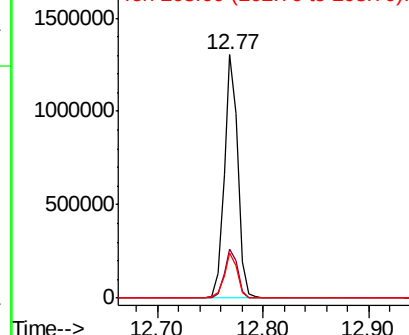
Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	202	Resp:	1184577
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.9	25.3
203	18.5	14.5	21.7



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





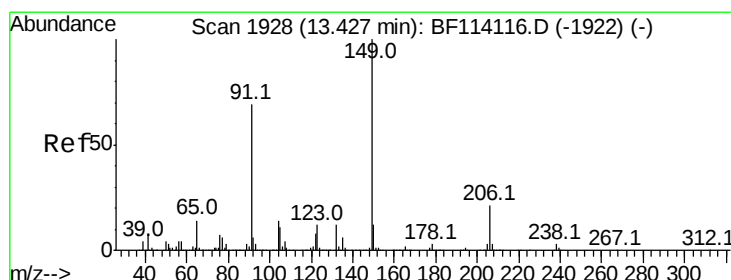
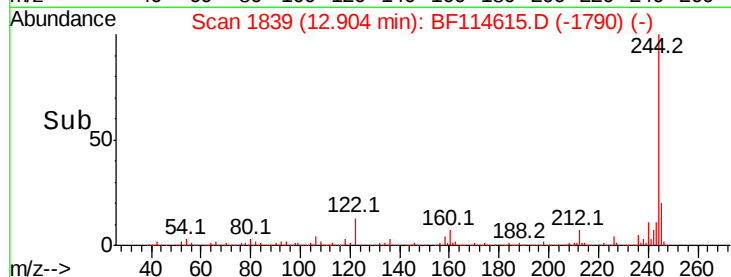
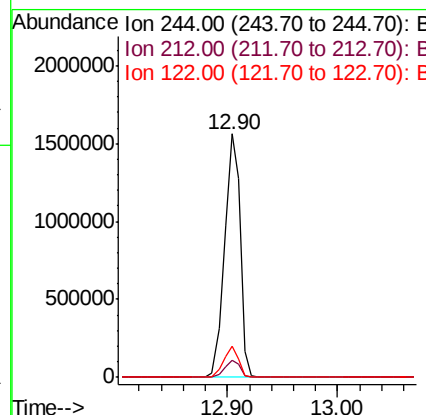
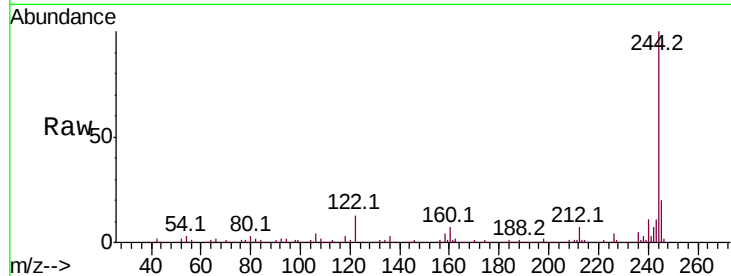
#79
 Terphenyl-d14
 Concen: 90.978 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 PB119956BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.9	9.4	14.2

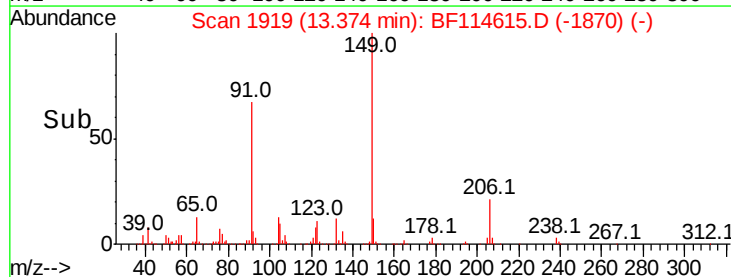
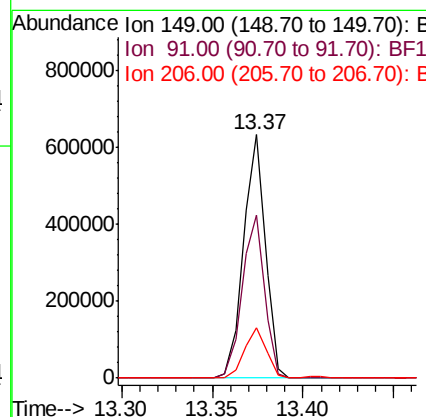
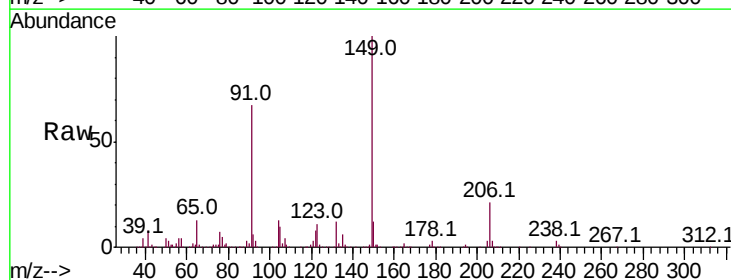
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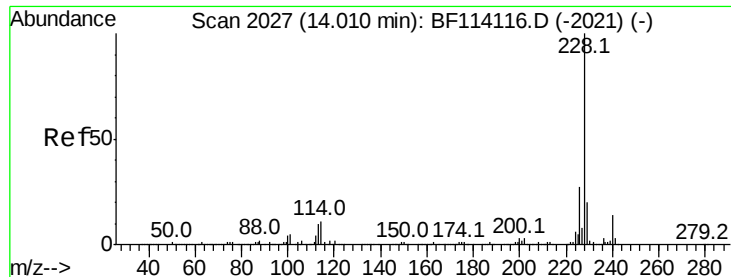
mohammad
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#80
 Butylbenzylphthalate
 Concen: 45.113 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF114615.D
 Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.0	55.0	82.4
206	20.8	16.9	25.3





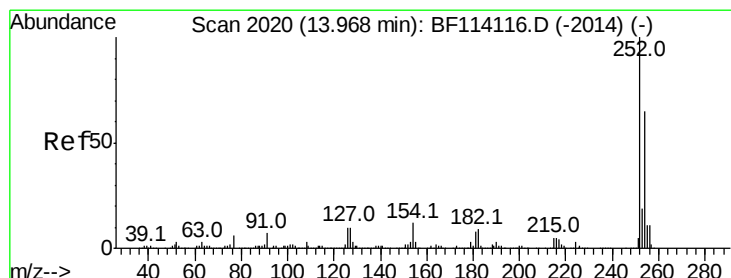
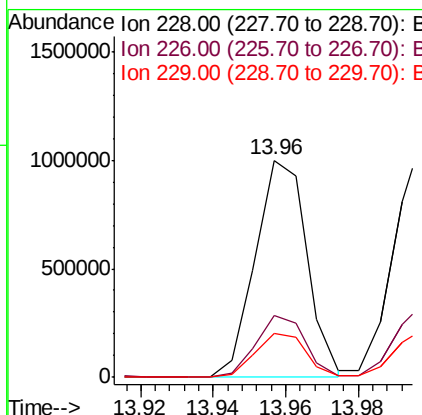
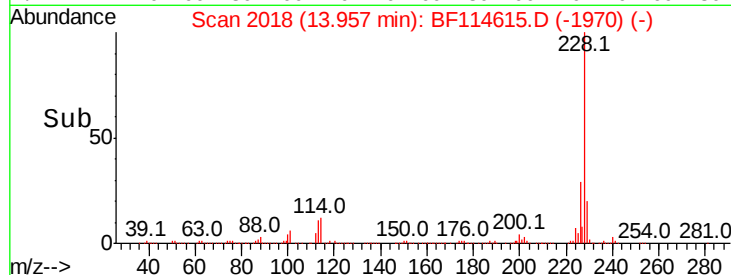
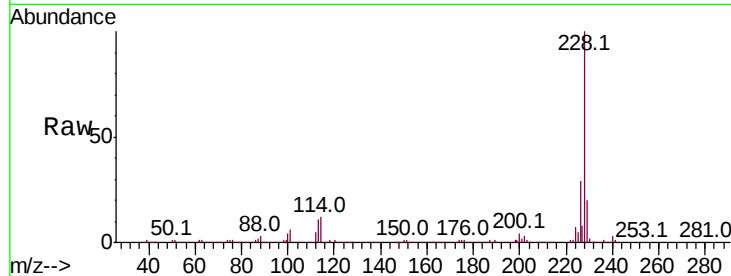
#81
Benzo(a)anthracene
Concen: 43.583 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	20.4	16.4	24.6

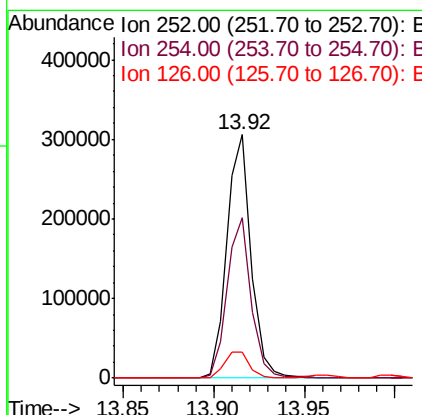
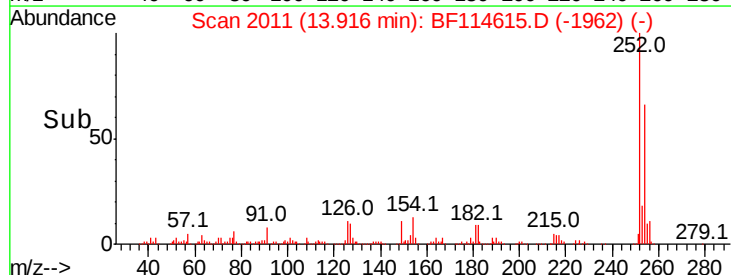
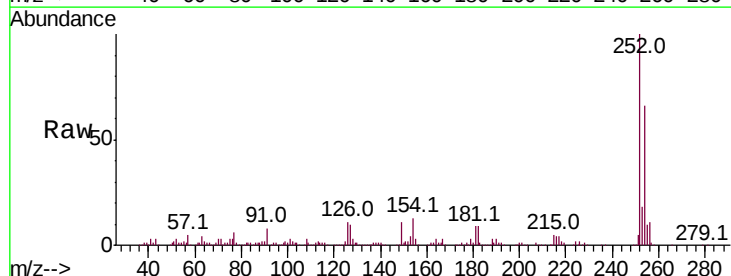
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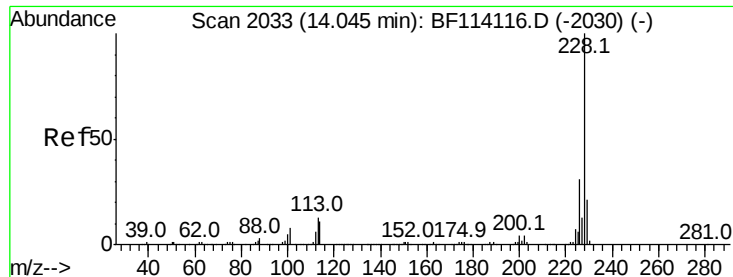
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 32.576 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.9	77.9
126	10.6	7.9	11.9





#83

Chrvsene

Concen: 45.164 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

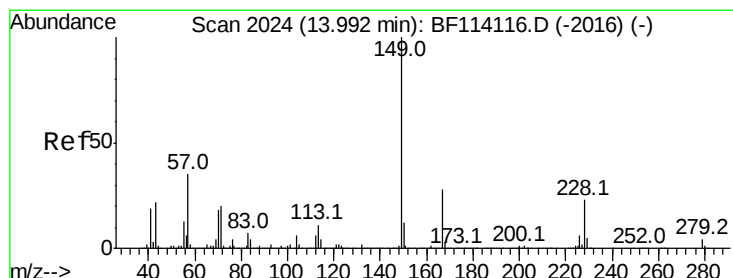
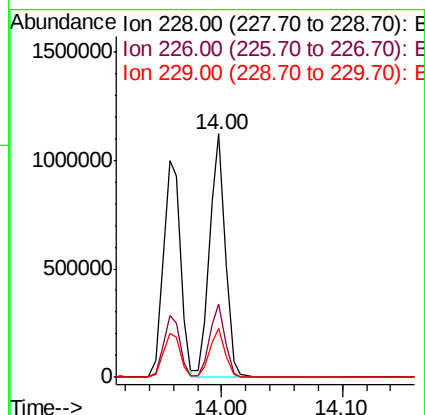
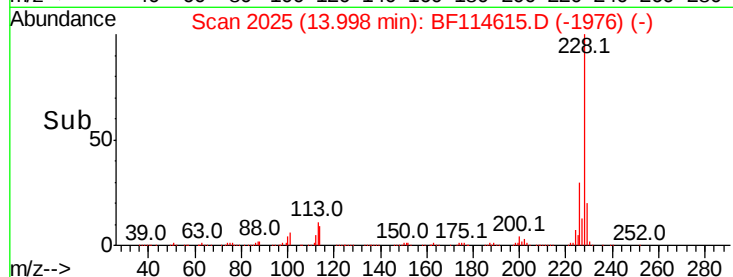
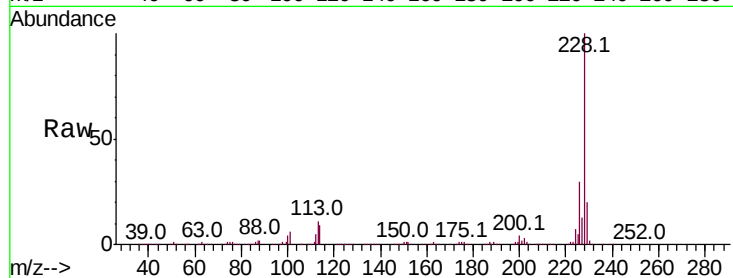
ClientSampleId :

PB119956BS

Tot Ion:	228	Resp:	999298
Ion Ratio		Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.0	17.0	25.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 46.978 ng

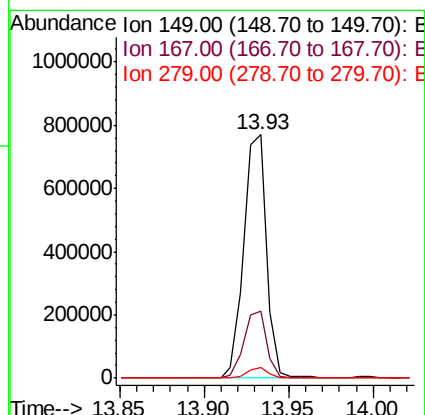
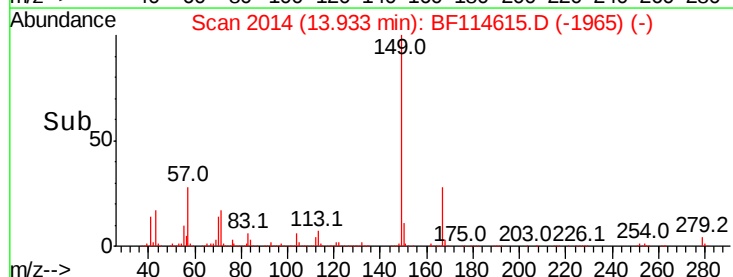
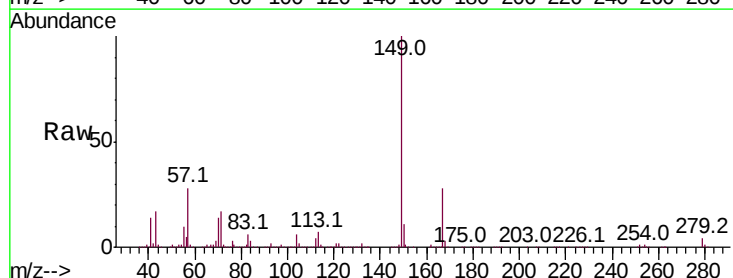
RT: 13.93 min Scan# 2014

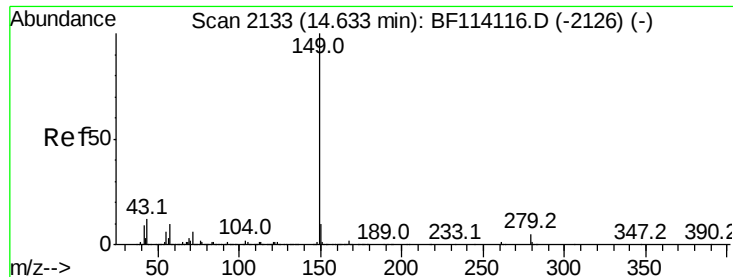
Delta R.T. -0.01 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Tgt Ion:	149	Resp:	725985
Ion Ratio		Lower	Upper
149	100		
167	27.5	22.6	33.8
279	4.4	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 47.205 ng

RT: 14.54 min Scan# 2117

Delta R.T. -0.02 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

PB119956BS

Tot Ion:149 Resp: 1182550

Ion Ratio Lower Upper

149 100

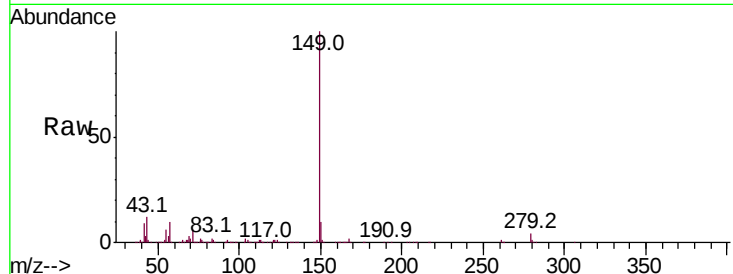
167 1.6 1.3 1.9

43 11.8 10.1 15.1

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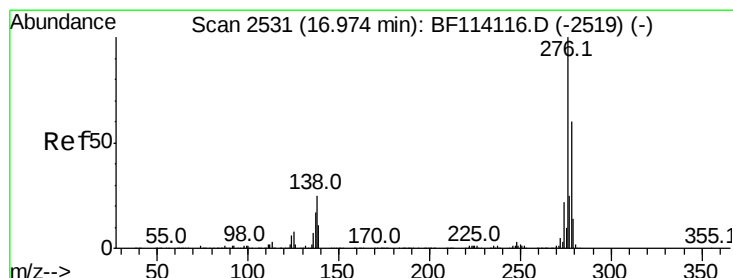
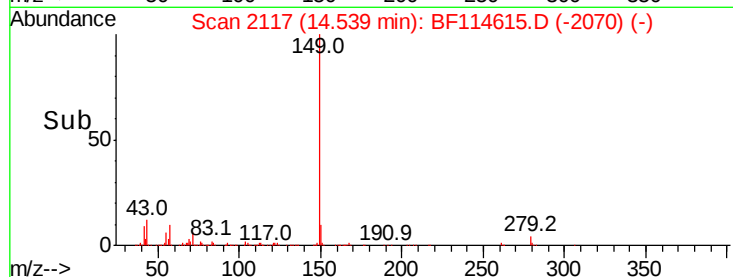
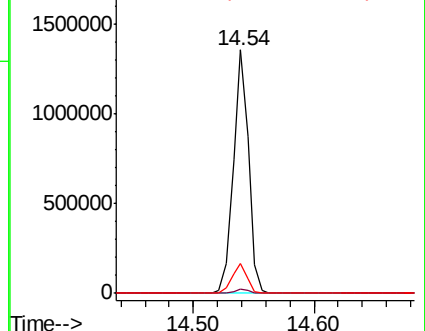
5/27/2019 3:50:15 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.175 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.04 min

Lab File: BF114615.D

Acq: 25 May 2019 20:16

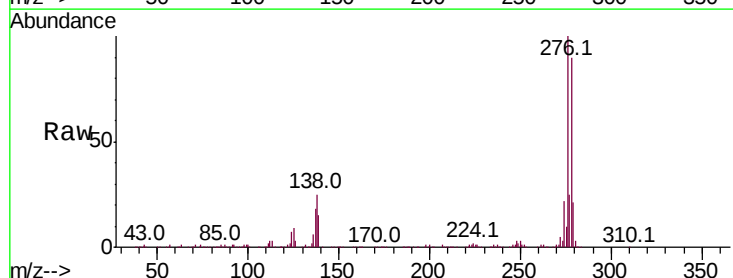
Tgt Ion:276 Resp: 883364

Ion Ratio Lower Upper

276 100

138 24.5 20.2 30.2

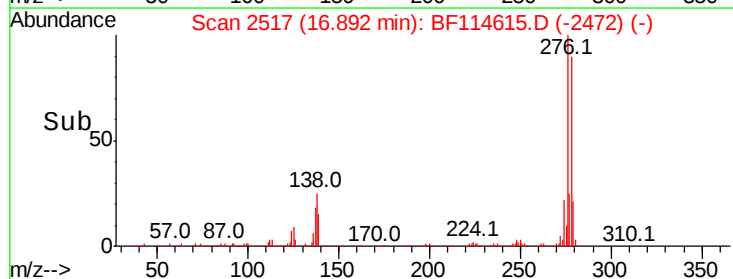
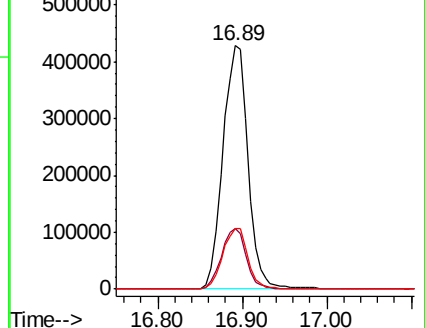
277 25.0 20.0 30.0

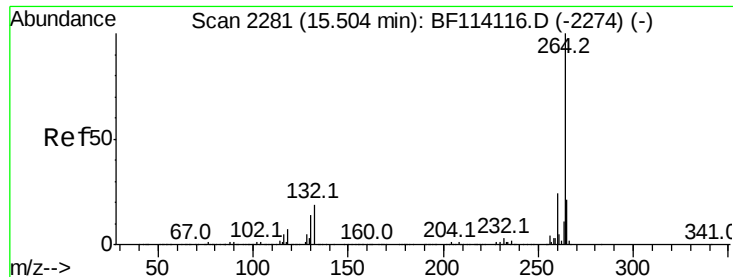


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





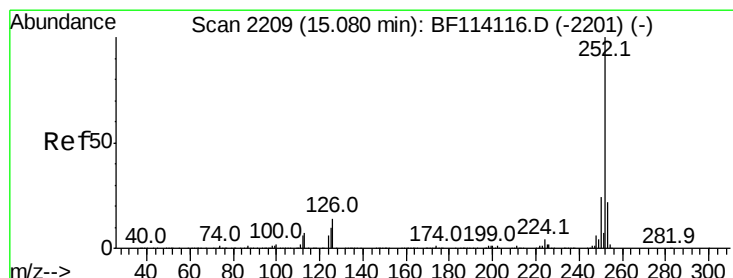
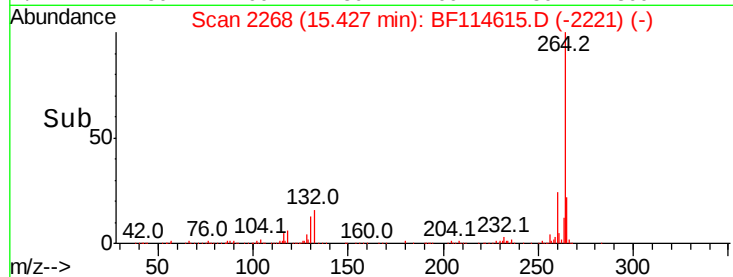
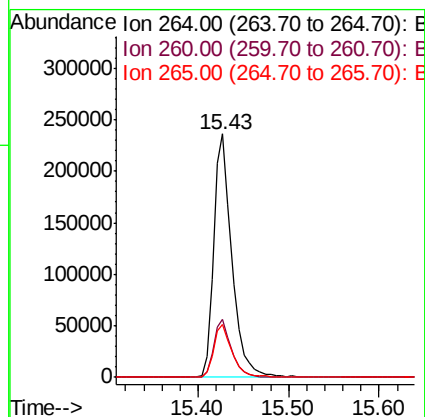
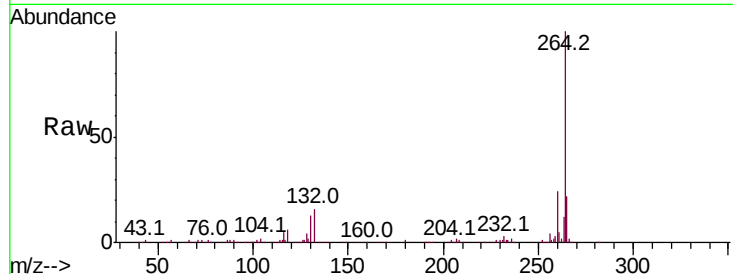
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.6	16.9	25.3

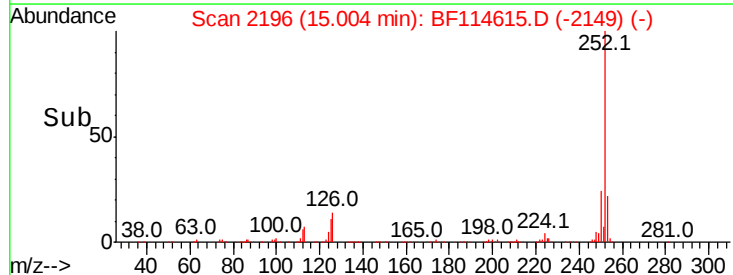
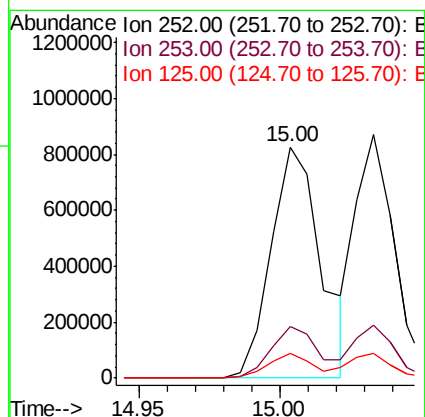
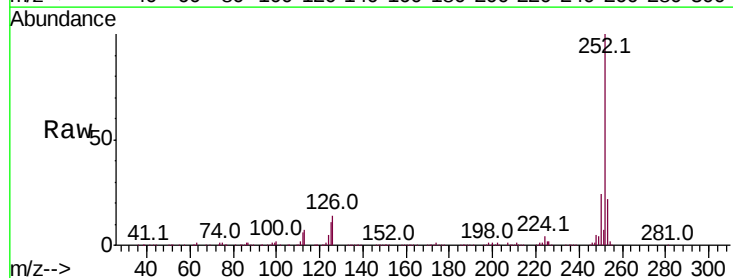
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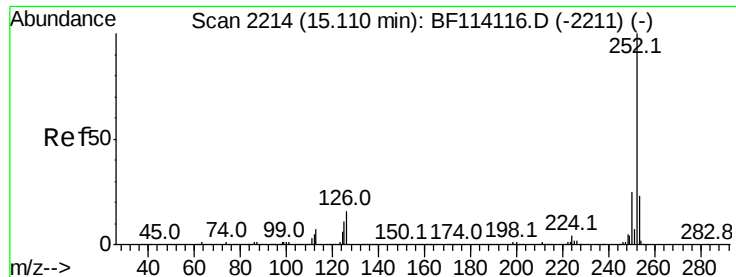
mohammad
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#88
Benzo(b)fluoranthene
Concen: 48.339 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.8	8.3	12.5





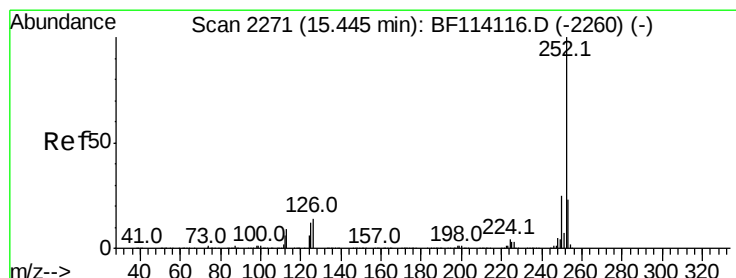
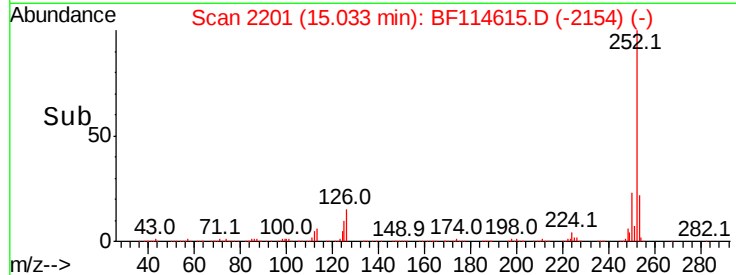
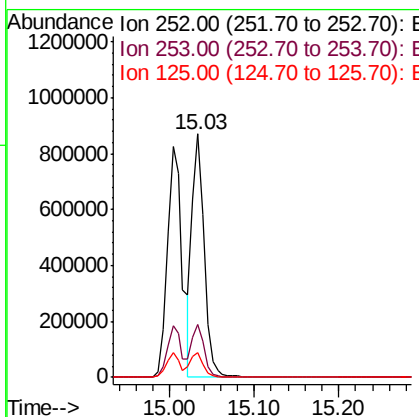
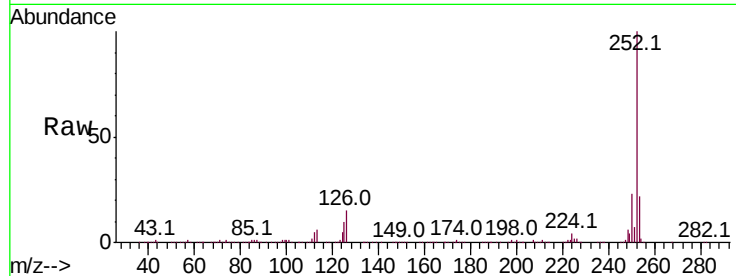
#89
Benzo(k)fluoranthene
Concen: 44.009 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
PB119956BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	849319		
253	21.9	18.2	27.2	
125	10.3	8.6	13.0	

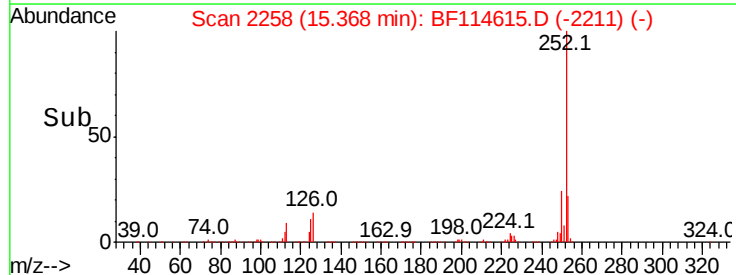
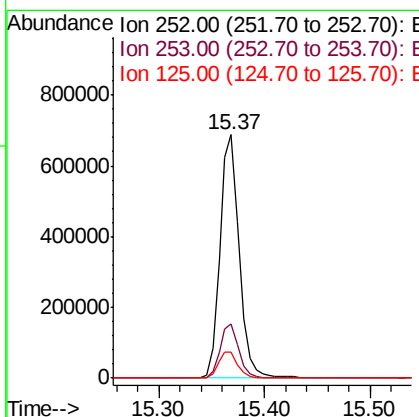
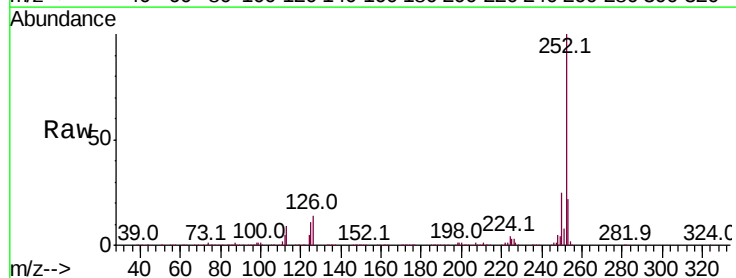
Manual Integrations
APPROVED

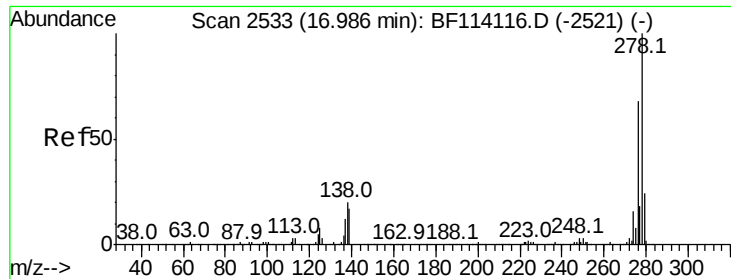
mohammad
5/27/2019 3:50:15 AM



#90
Benzo(a)pyrene
Concen: 47.159 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	871939		
253	22.0	18.1	27.1	
125	10.8	9.5	14.3	





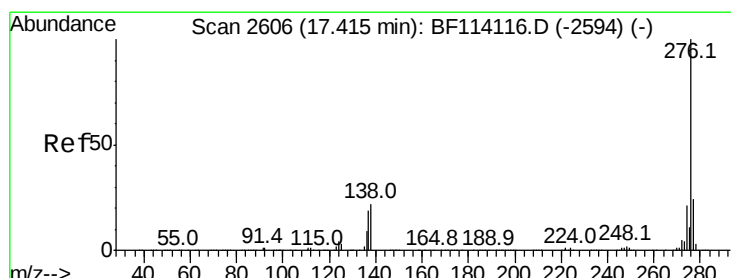
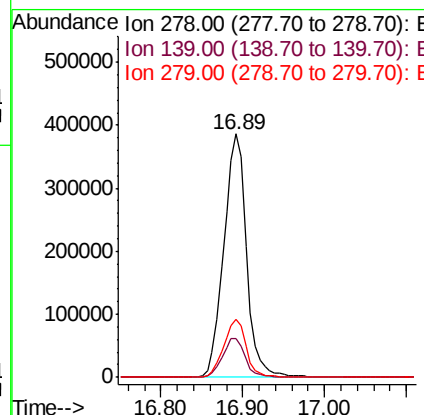
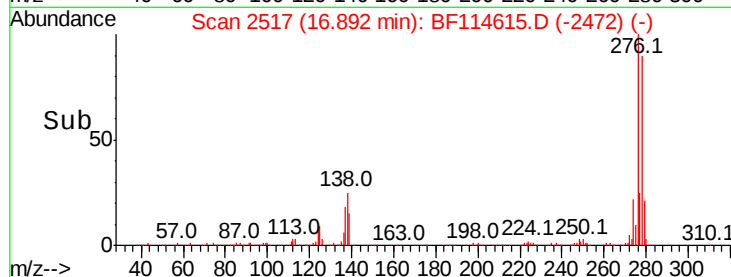
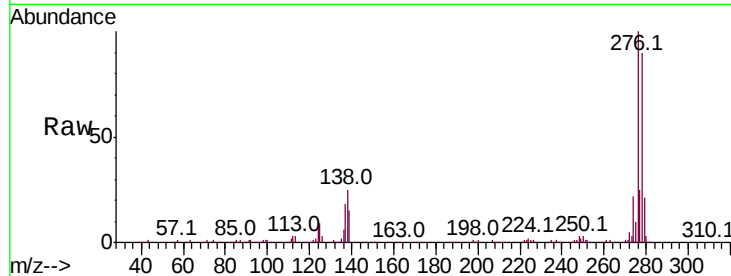
#91
Dibenzo(a,h)anthracene
Concen: 48.483 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.04 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
PB119956BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.5	20.3
279	23.6	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/27/2019 3:50:15 AM



#92
Benzo(g,h,i)perylene
Concen: 50.045 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.04 min
Lab File: BF114615.D
Acq: 25 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.4
138	21.7	17.8	26.6

