

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101538.D
 Acq On : 19 Dec 2017 22:24
 Operator : SJ/JU
 Sample : I6975-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

Quant Time: Dec 20 07:01:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	125910	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	482368	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179252	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	286749	20.00	ng	0.00
75) Chrysene-d12	13.99	240	283700	20.00	ng	0.00
86) Perylene-d12	15.46	264	327512	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1009467	119.43	ng	0.02
7) Phenol-d6	6.46	99	1084900	103.13	ng	0.00
23) Nitrobenzene-d5	7.38	82	737093	85.06	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	191660	110.96	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1099015	95.11	ng	0.00
78) Terphenyl-d14	12.92	244	906201	77.01	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	169417	39.007	ng	96
3) Pyridine	3.39	79	231689	19.200	ng	99
4) n-Nitrosodimethylamine	3.31	42	225397	40.567	ng	95
6) Aniline	6.48	93	328727	22.486	ng	# 87
8) 2-Chlorophenol	6.60	128	334651	37.636	ng	96
9) Benzaldehyde	6.37	77	223009	28.705	ng	99
10) Phenol	6.47	94	455147	37.960	ng	91
11) bis(2-Chloroethyl)ether	6.55	93	347490	36.947	ng	98
12) 1,3-Dichlorobenzene	6.75	146	385554	38.419	ng	97
13) 1,4-Dichlorobenzene	6.83	146	390198	38.076	ng	97
14) 1,2-Dichlorobenzene	6.98	146	359732	38.998	ng	97
15) Benzyl Alcohol	6.96	79	254480	35.145	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.08	45	603865	41.953	ng	65
17) 2-Methylphenol	7.07	107	282774	34.573	ng	# 88
18) Hexachloroethane	7.31	117	135352	37.988	ng	96
19) n-Nitroso-di-n-propylamine	7.22	70	242847	35.152	ng	94
20) 3+4-Methylphenols	7.23	107	361578	41.718	ng	# 58
22) Acetophenone	7.22	105	479565	43.571	ng	# 94
24) Nitrobenzene	7.40	77	385187	40.164	ng	96
25) Isophorone	7.63	82	679225	39.073	ng	97
26) 2-Nitrophenol	7.72	139	181709	44.102	ng	98
27) 2,4-Dimethylphenol	7.75	122	297844	42.551	ng	97
28) bis(2-Chloroethoxy)methane	7.84	93	440031	39.849	ng	97
29) 2,4-Dichlorophenol	7.96	162	280302	40.533	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	286239	39.222	ng	95
31) Naphthalene	8.12	128	933043	38.422	ng	99
32) Benzoic acid	7.89	122	118780	28.968	ng	97
33) 4-Chloroaniline	8.17	127	200367	18.984	ng	99
34) Hexachlorobutadiene	8.22	225	167264	39.628	ng	99
35) Caprolactam	8.54	113	79739	33.207	ng	92
36) 4-Chloro-3-methylphenol	8.66	107	273903	36.036	ng	98
37) 2-Methylnaphthalene	8.80	142	585786	37.024	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	275766	45.566	ng	98
40) Hexachlorocyclopentadiene	8.95	237	8625	20.439	ng	92

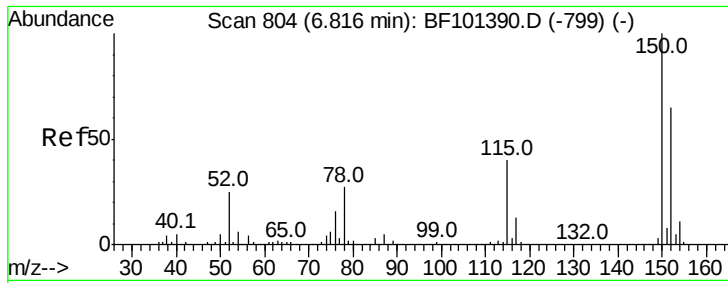
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101538.D
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Quant Time: Dec 20 07:01:10 2017
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.09	196	160293	43.995	nq	100
43) 2,4,5-Trichlorophenol	9.15	196	157121	39.385	nq	94
45) 1,1'-Biphenyl	9.27	154	680965	42.836	nq	99
46) 2-Chloronaphthalene	9.30	162	506181	41.614	nq	96
47) 2-Nitroaniline	9.40	65	170674	40.618	nq	95
48) Acenaphthylene	9.71	152	723430	37.655	nq	99
49) Dimethylphthalate	9.57	163	598427	41.505	nq	99
50) 2,6-Dinitrotoluene	9.64	165	117709	40.168	nq #	84
51) Acenaphthene	9.88	154	429934	37.247	nq	100
52) 3-Nitroaniline	9.82	138	109215	29.893	nq	97
53) 2,4-Dinitrophenol	9.95	184	19096	26.616	nq #	17
54) Dibenzofuran	10.06	168	597373	40.724	nq	99
55) 4-Nitrophenol	10.00	139	105870	66.455	nq	90
56) 2,4-Dinitrotoluene	10.06	165	135692	41.098	nq #	85
57) Fluorene	10.40	166	473263	38.139	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.18	232	115153	40.176	nq #	87
59) Diethylphthalate	10.26	149	526073	36.844	nq	97
60) 4-Chlorophenyl-phenylether	10.39	204	234383	39.411	nq	90
61) 4-Nitroaniline	10.43	138	111167	30.271	nq	95
62) Azobenzene	10.55	77	531519	35.935	nq	97
64) 4,6-Dinitro-2-methylphenol	10.47	198	21131	14.441	nq	91
65) n-Nitrosodiphenylamine	10.50	169	430925	40.699	nq	95
66) 4-Bromophenyl-phenylether	10.87	248	138392	42.952	nq #	89
67) Hexachlorobenzene	10.95	284	135715	39.798	nq #	89
68) Atrazine	11.03	200	132816	42.069	nq	98
69) Pentachlorophenol	11.16	266	100577	76.185	nq	95
70) Phenanthrene	11.36	178	627359	39.341	nq	99
71) Anthracene	11.42	178	654853	40.202	nq	99
72) Carbazole	11.57	167	585004	38.359	nq	99
73) Di-n-butylphthalate	11.89	149	738710	39.908	nq	99
74) Fluoranthene	12.56	202	717313	42.855	nq	98
76) Benzidine	12.68	184	60238	5.027	nq	95
77) Pyrene	12.79	202	772606	36.287	nq	99
79) Butylbenzylphthalate	13.39	149	313998	32.593	nq	94
80) Benzo(a)anthracene	13.98	228	743140	39.670	nq	100
81) 3,3'-Dichlorobenzidine	13.94	252	240262	39.334	nq #	98
82) Chrysene	14.02	228	710783	40.186	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	420457	34.457	nq	99
84) Di-n-octyl phthalate	14.56	149	836762	38.451	nq	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	684473	43.457	nq	96
87) Benzo(b)fluoranthene	15.03	252	762754	38.209	nq	99
88) Benzo(k)fluoranthene	15.06	252	737062	37.975	nq	98
89) Benzo(a)pyrene	15.40	252	728347	39.578	nq	98
90) Dibenzo(a,h)anthracene	16.95	278	582917	36.893	nq	97
91) Benzo(g,h,i)perylene	17.40	276	554830	35.462	nq	96

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

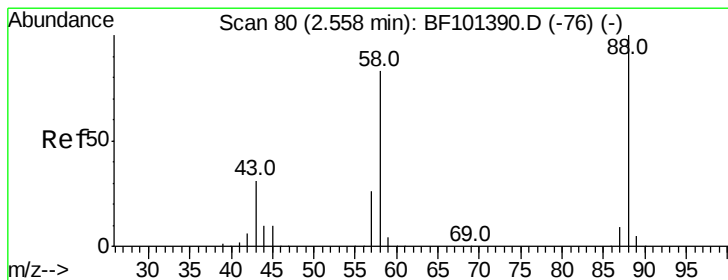
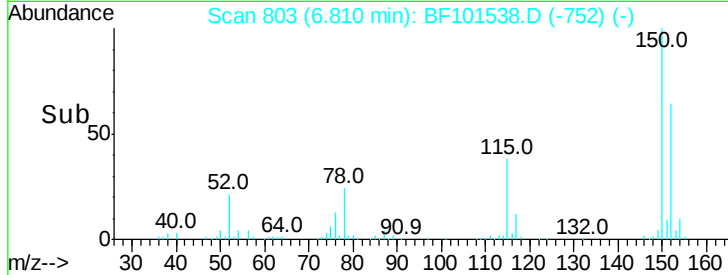
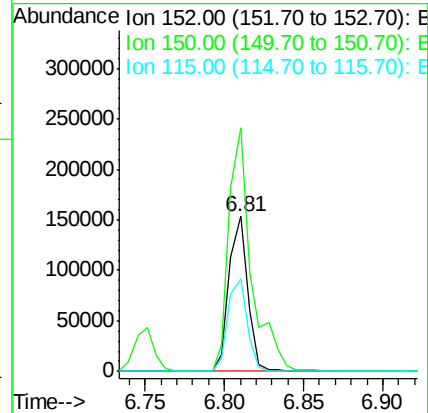
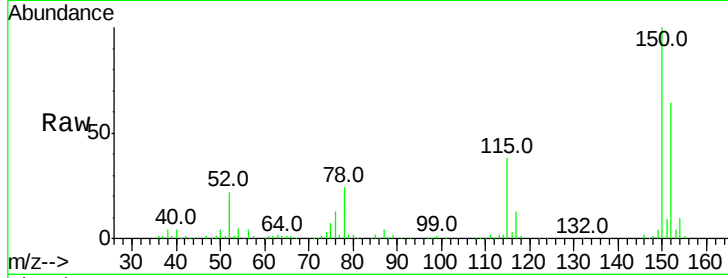


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

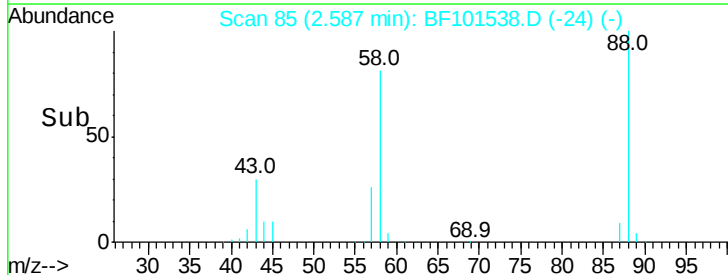
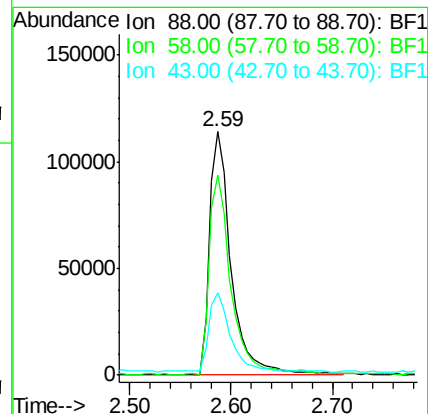
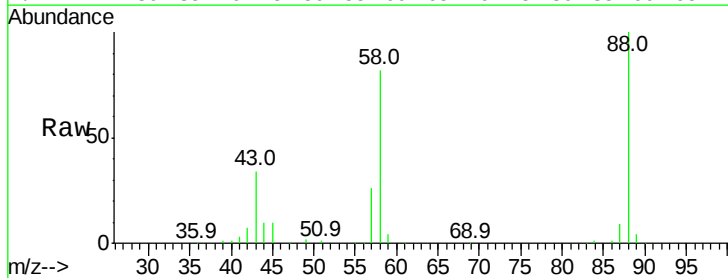
Tot Ion:152 Resp: 125910
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 59.4 50.1 75.1

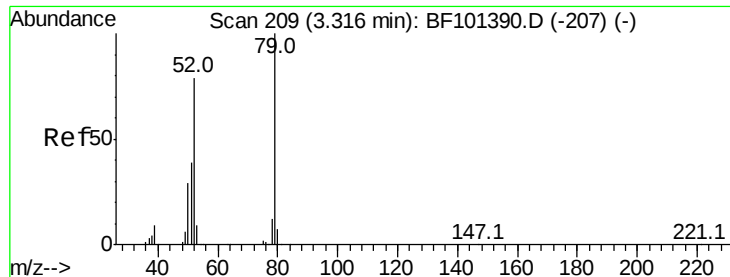


#2

1,4-Dioxane
Concen: 39.007 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.06 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion: 88 Resp: 169417
Ion Ratio Lower Upper
88 100
58 83.4 62.6 93.8
43 31.1 24.6 37.0

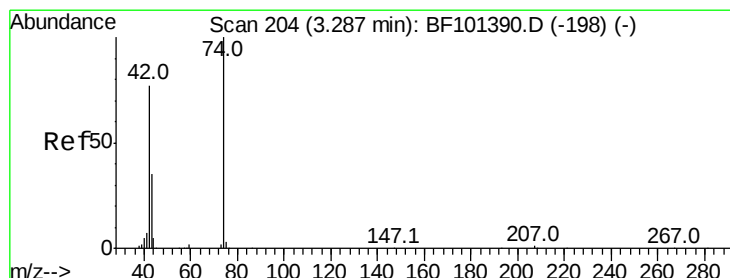
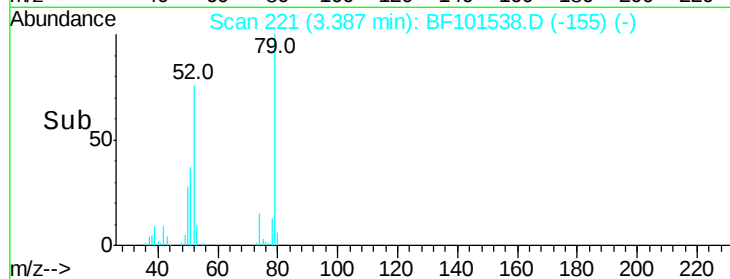
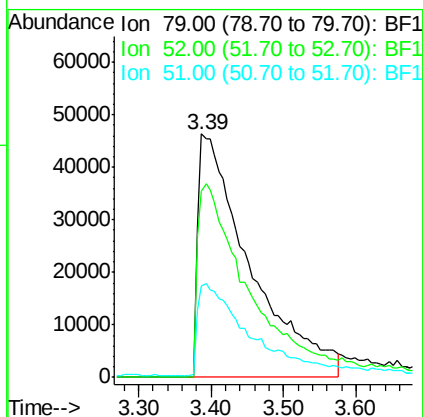
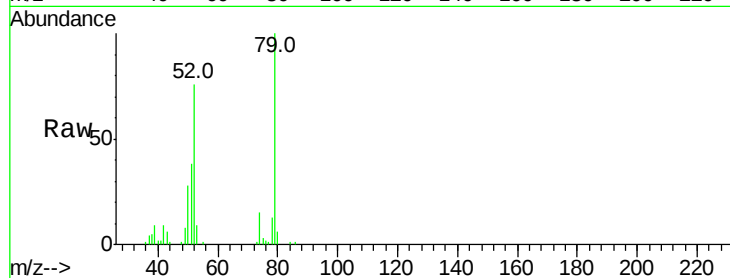




#3
 Pvrindine
 Concen: 19.200 ng
 RT: 3.39 min Scan# 221
 Delta R.T. 0.09 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

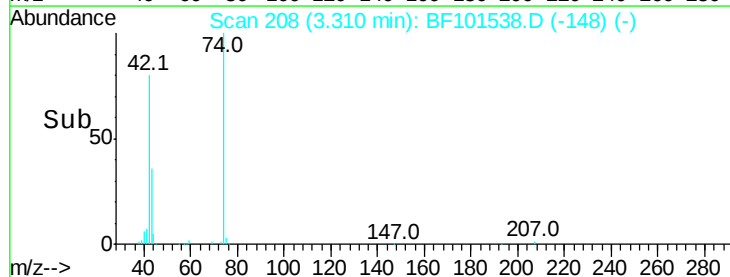
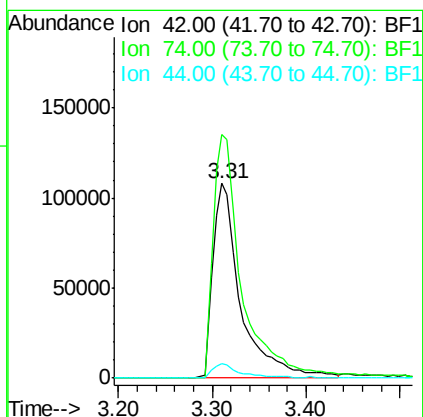
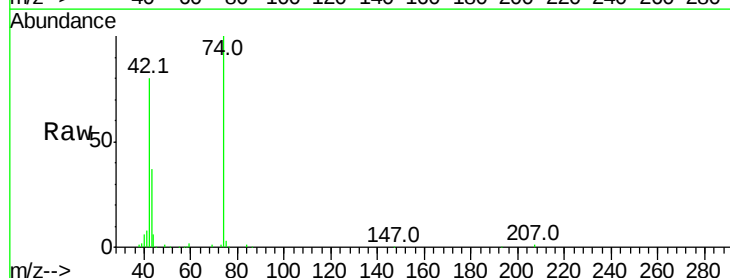
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

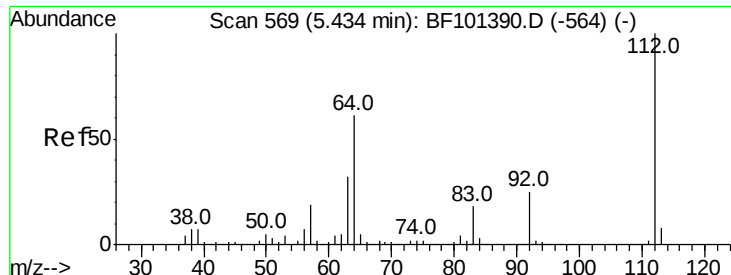
Tot Ion: 79 Resp: 231689
 Ion Ratio Lower Upper
 79 100
 52 76.2 59.8 89.6
 51 37.5 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 40.567 ng
 RT: 3.31 min Scan# 208
 Delta R.T. 0.05 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion: 42 Resp: 225397
 Ion Ratio Lower Upper
 42 100
 74 125.2 104.9 157.3
 44 7.2 6.9 10.3





#5

2-Fluorophenol

Concen: 119.425 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

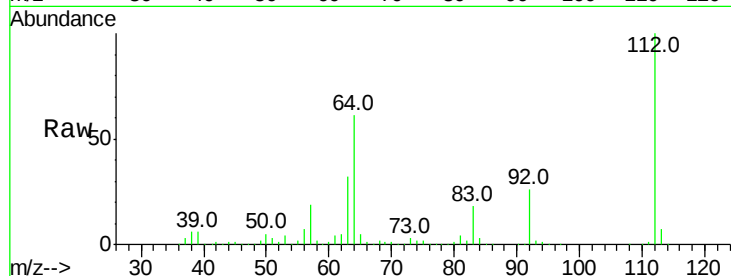
Tot Ion:112 Resp: 1009467

Ion Ratio Lower Upper

112 100

64 60.6 47.9 71.9

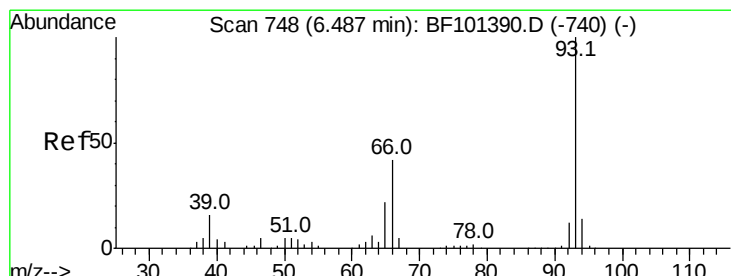
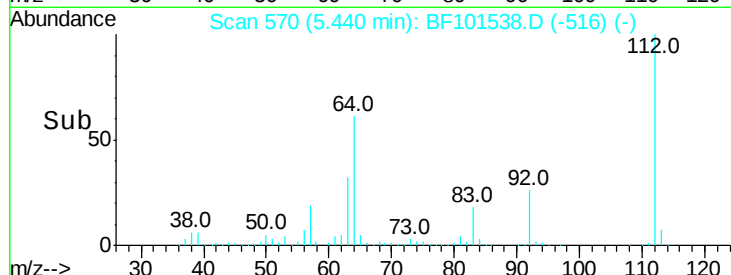
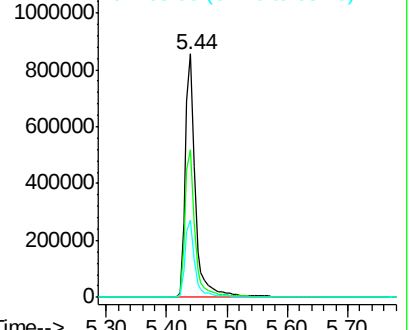
63 31.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.486 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

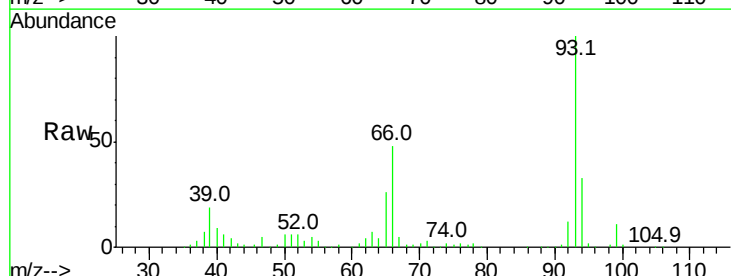
Tgt Ion: 93 Resp: 328727

Ion Ratio Lower Upper

93 100

66 48.5 32.2 48.2#

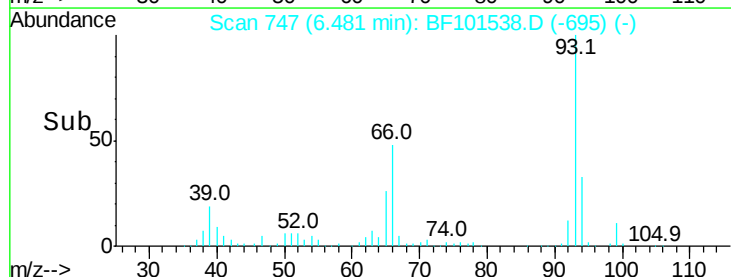
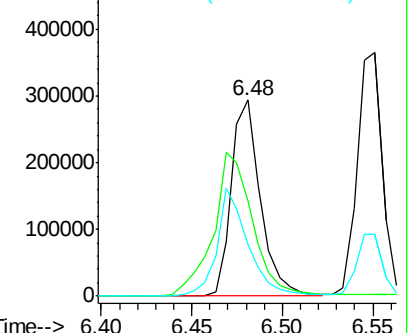
65 26.3 16.4 24.6#

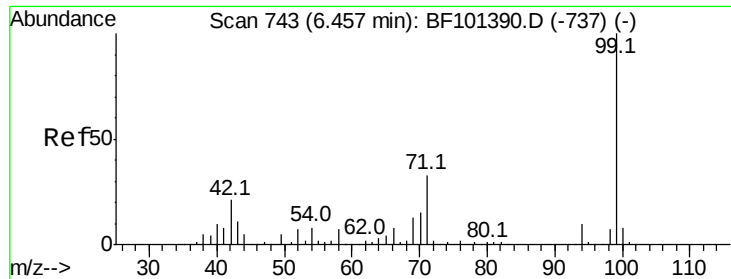


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.130 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

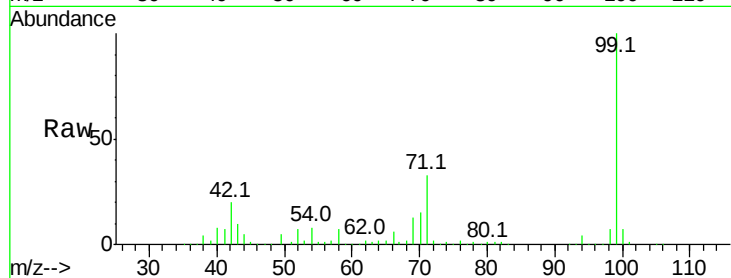
Tot Ion: 99 Resp: 1084900

Ion Ratio Lower Upper

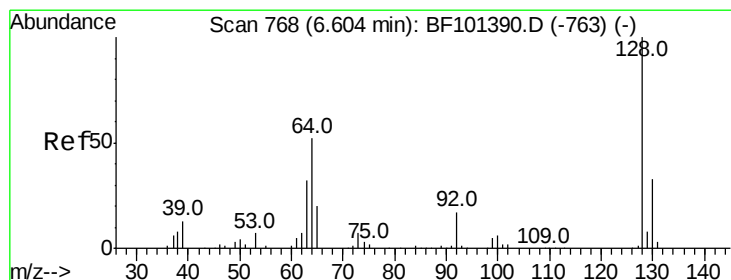
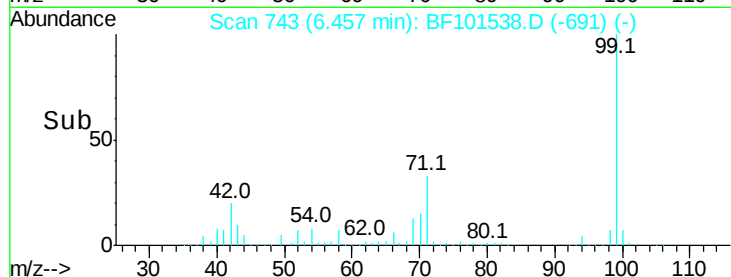
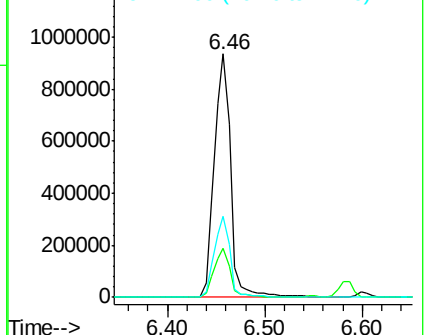
99 100

42 20.3 14.5 21.7

71 33.3 25.4 38.0



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: 37.636 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

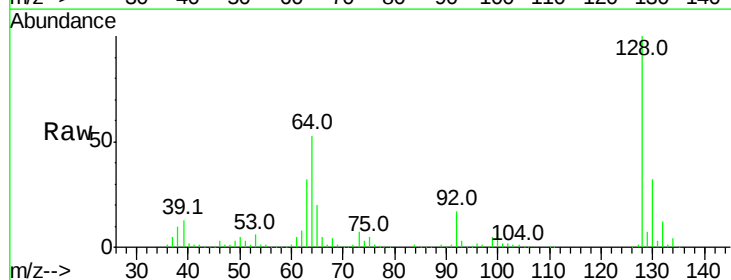
Tgt Ion: 128 Resp: 334651

Ion Ratio Lower Upper

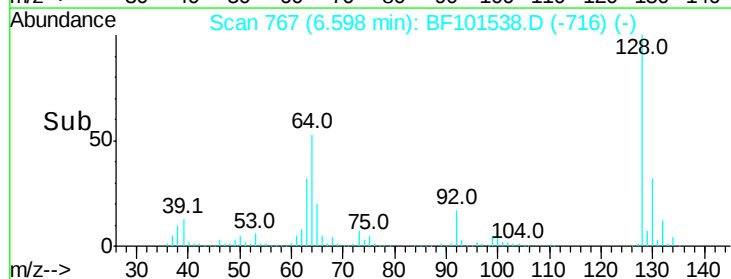
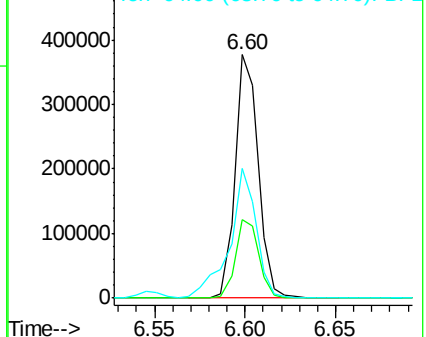
128 100

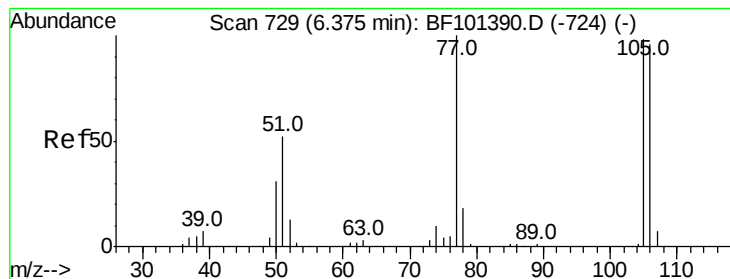
130 32.0 13.0 53.0

64 53.0 29.4 69.4



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: 28.705 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

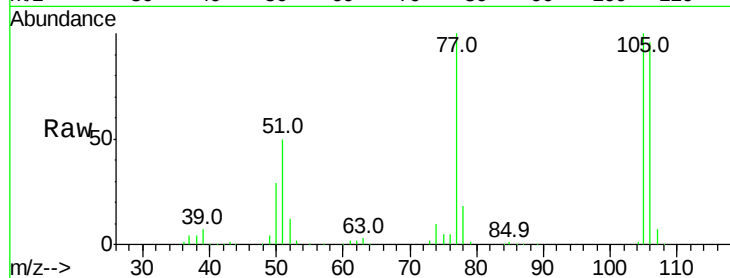
Tot Ion: 77 Resp: 223009

Ion Ratio Lower Upper

77 100

105 100.4 81.1 121.1

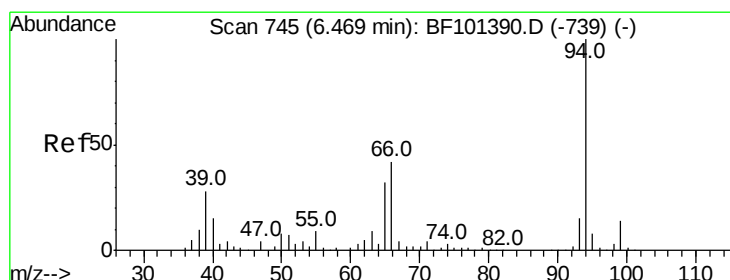
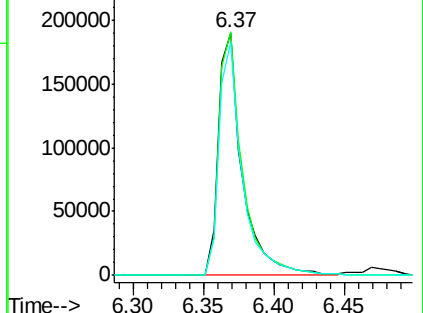
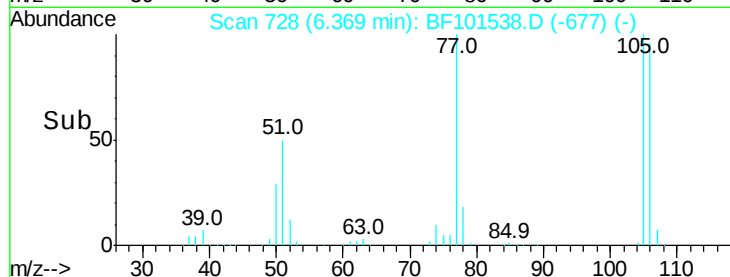
106 96.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.960 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

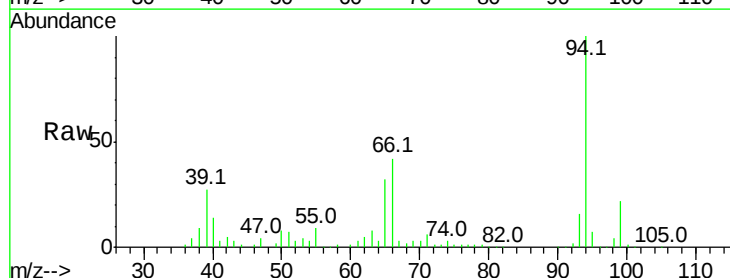
Tgt Ion: 94 Resp: 455147

Ion Ratio Lower Upper

94 100

65 31.8 7.9 47.9

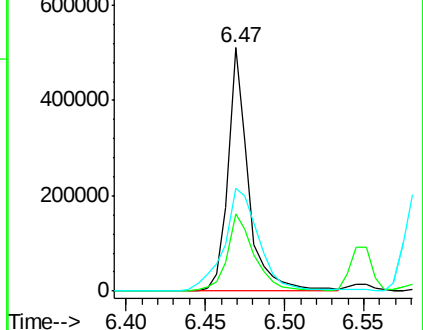
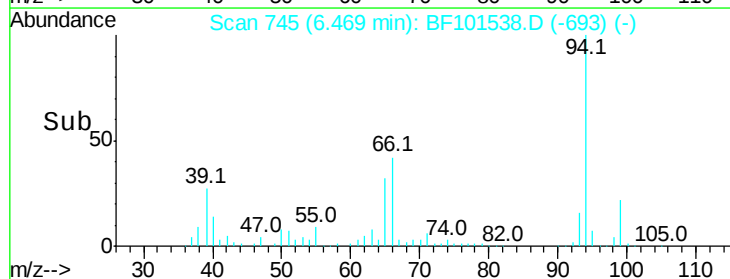
66 42.2 16.2 56.2

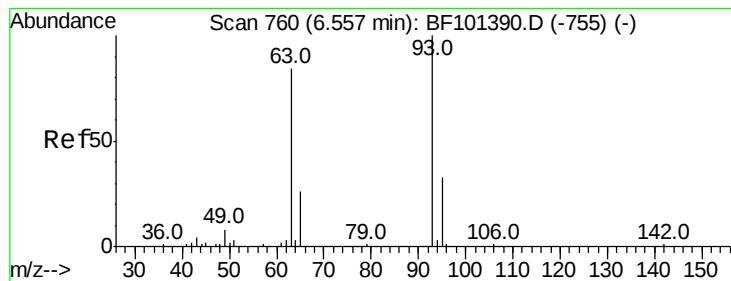


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 36.947 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

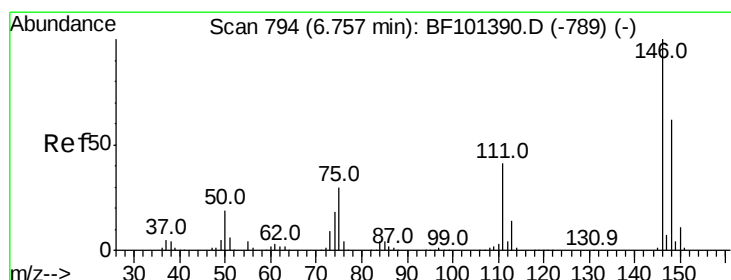
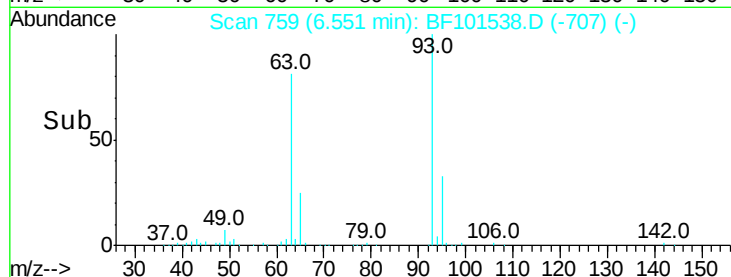
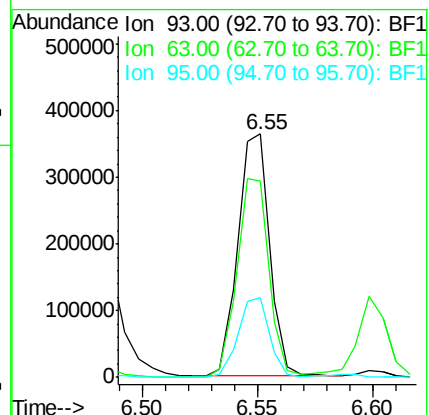
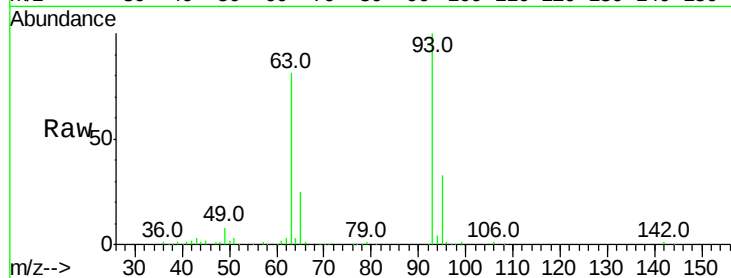
Tot Ion: 93 Resp: 347490

Ion Ratio Lower Upper

93 100

63 80.9 58.6 98.6

95 32.7 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 38.419 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

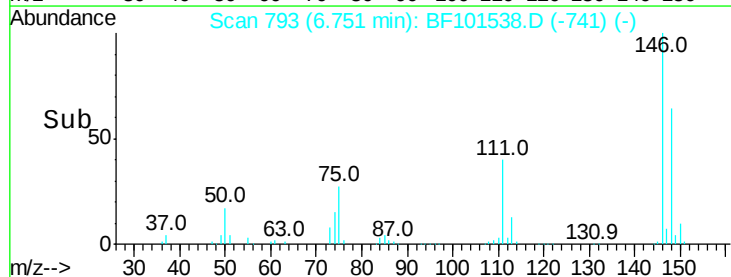
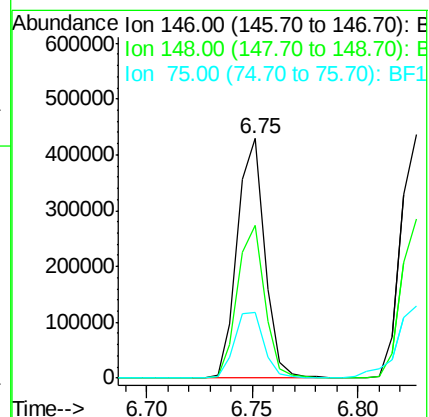
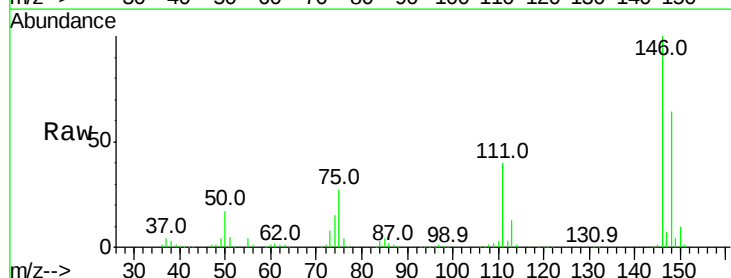
Tgt Ion: 146 Resp: 385554

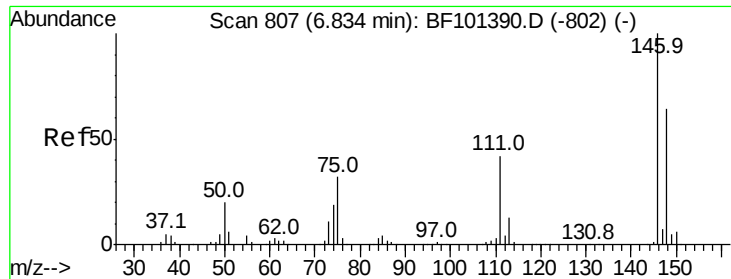
Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.8

75 27.3 24.2 36.4

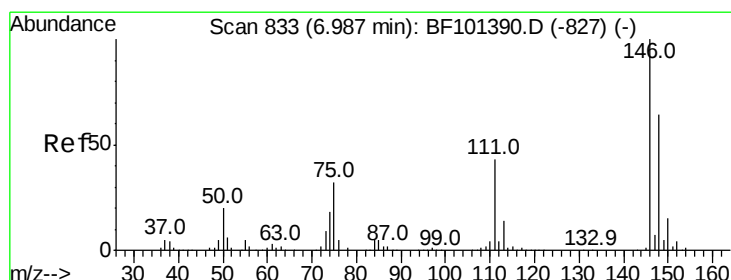
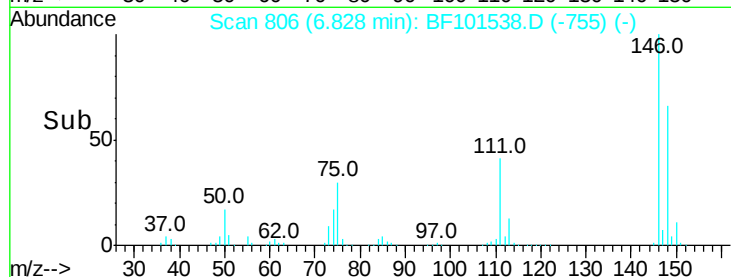
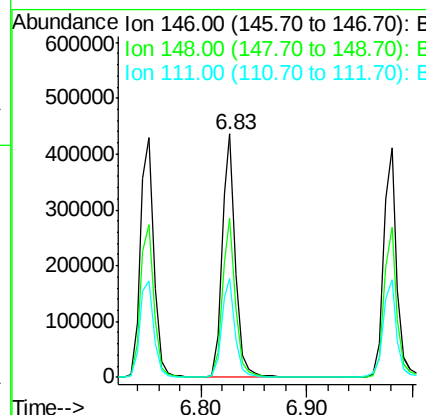
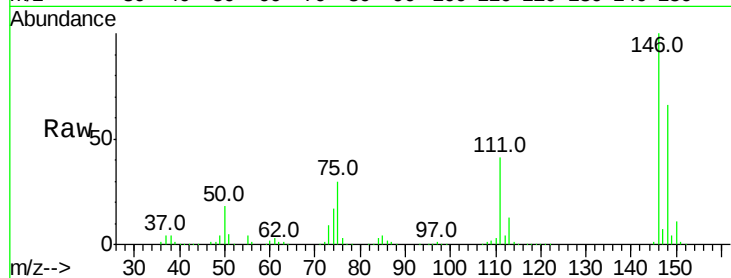




#13
 1,4-Dichlorobenzene
 Concen: 38.076 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

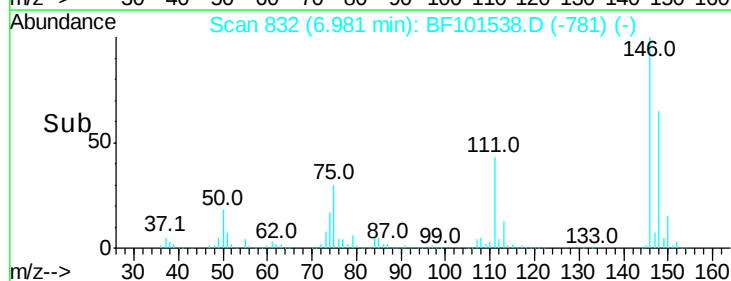
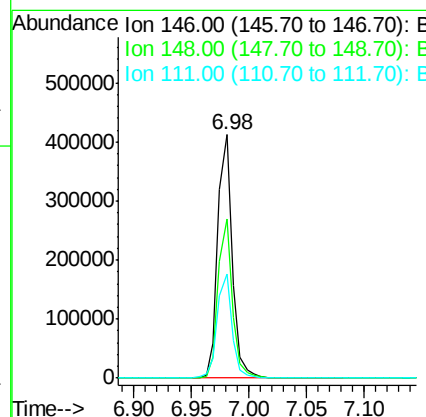
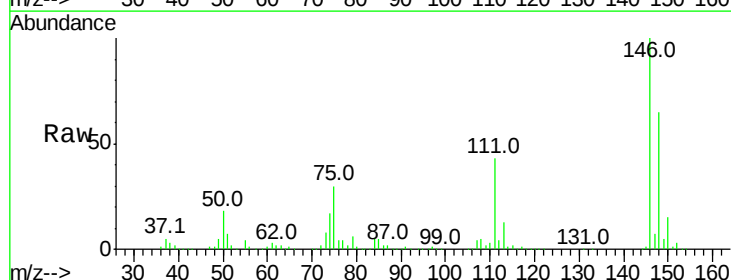
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

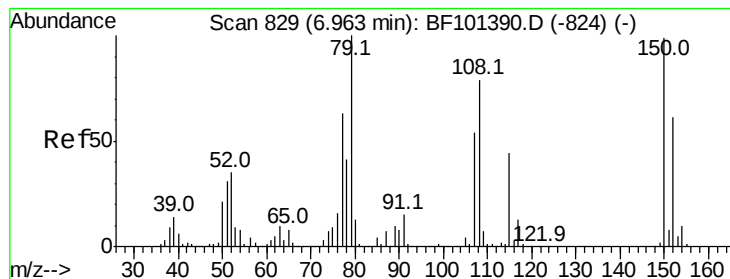
Tot Ion:146 Resp: 390198
 Ion Ratio Lower Upper
 146 100
 148 65.6 50.8 76.2
 111 40.6 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 38.998 ng
 RT: 6.98 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion:146 Resp: 359732
 Ion Ratio Lower Upper
 146 100
 148 65.1 50.6 75.8
 111 42.6 36.0 54.0





#15

Benzyl Alcohol

Concen: 35.145 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

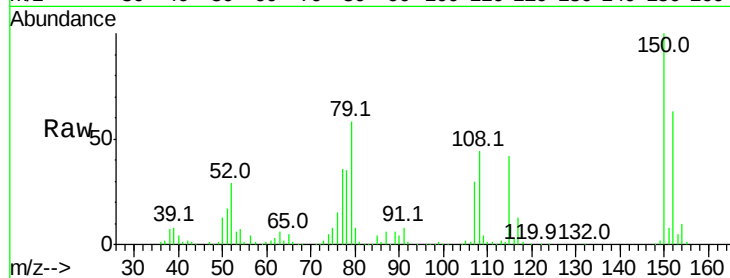
Tot Ion: 79 Resp: 254480

Ion Ratio Lower Upper

79 100

108 76.7 65.1 97.7

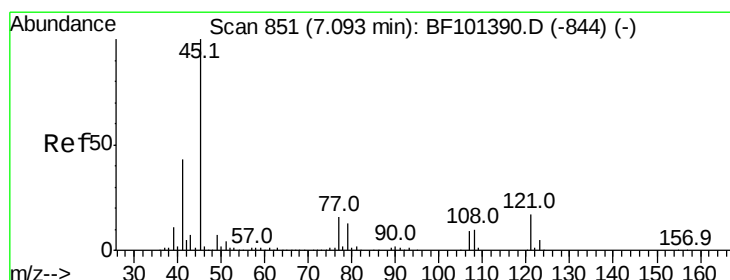
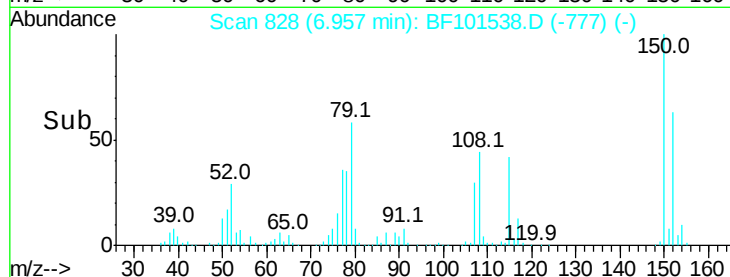
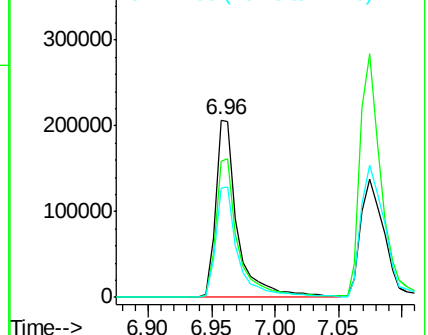
77 61.7 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.953 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

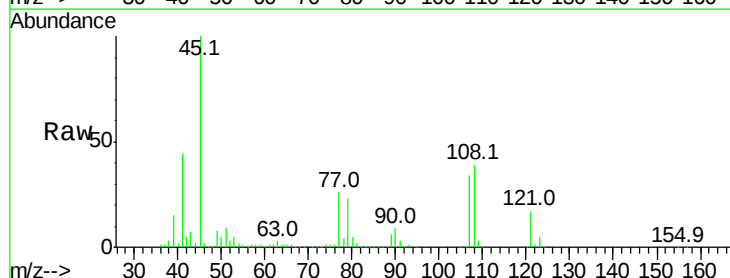
Tgt Ion: 45 Resp: 603865

Ion Ratio Lower Upper

45 100

77 26.2 0.0 32.9

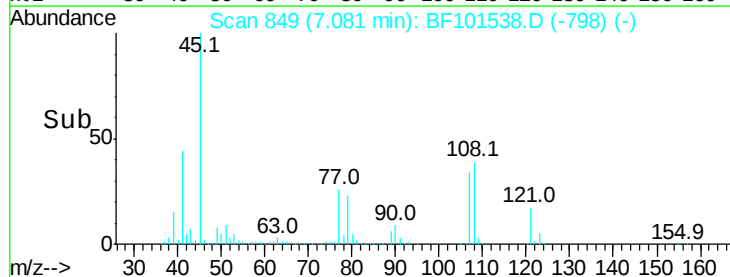
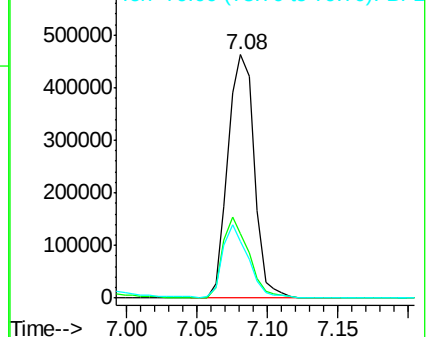
79 23.1 0.0 29.6

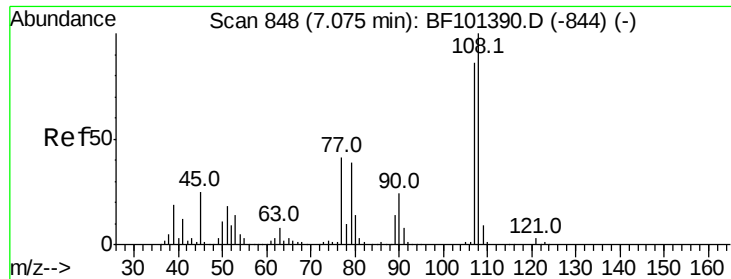


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 34.573 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

Tot Ion:107 Resp: 282774

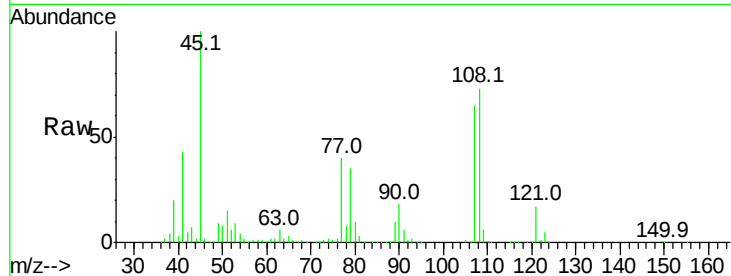
Ion Ratio Lower Upper

107 100

108 112.6 91.7 137.5

77 61.2 33.8 50.8#

79 54.8 33.8 50.8#



Abundance

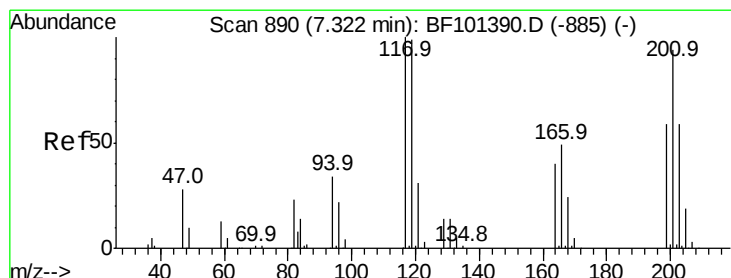
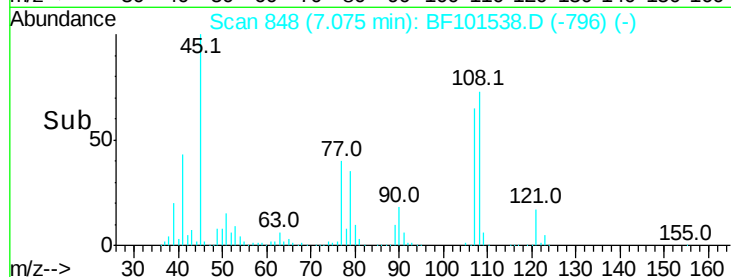
Ion 107.00 (106.70 to 107.70): E

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

Time-->



#18

Hexachloroethane

Concen: 37.988 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

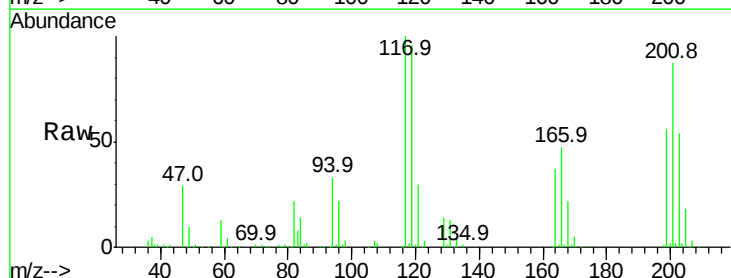
Tgt Ion:117 Resp: 135352

Ion Ratio Lower Upper

117 100

119 96.1 75.8 113.8

201 87.2 75.7 113.5



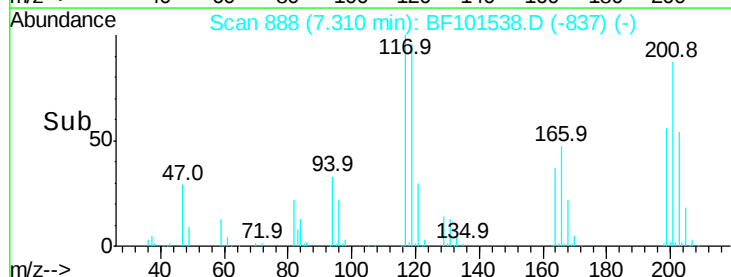
Abundance

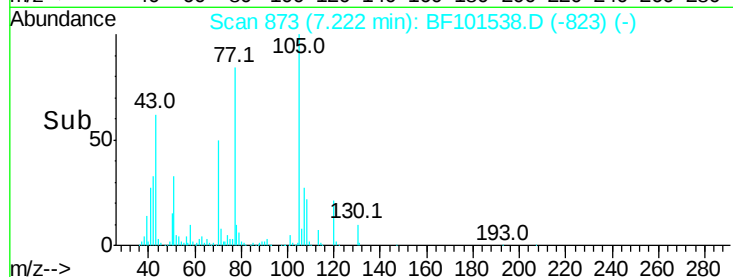
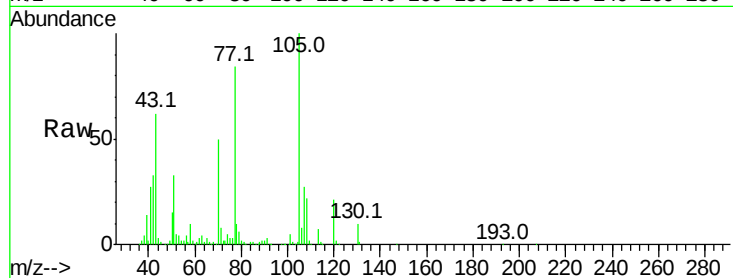
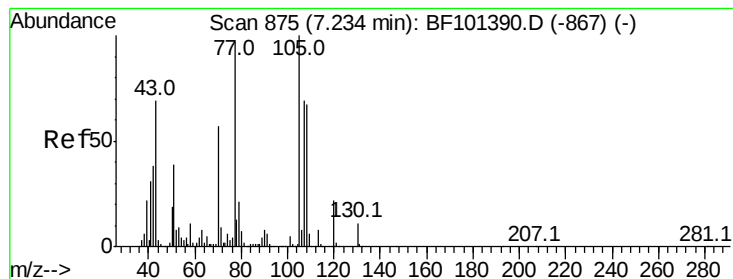
Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 35.152 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

Tot Ion: 70 Resp: 242847

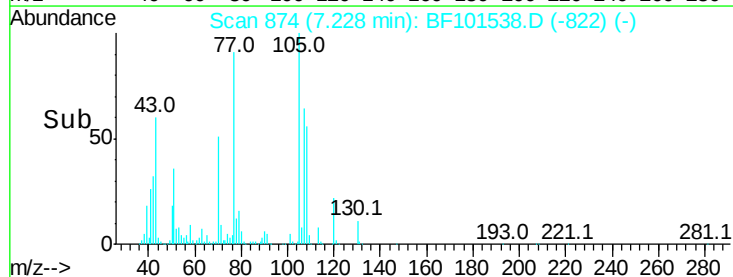
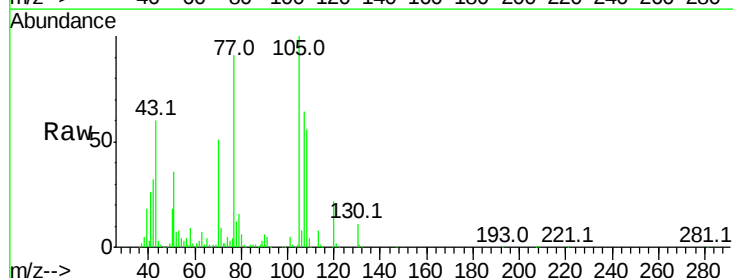
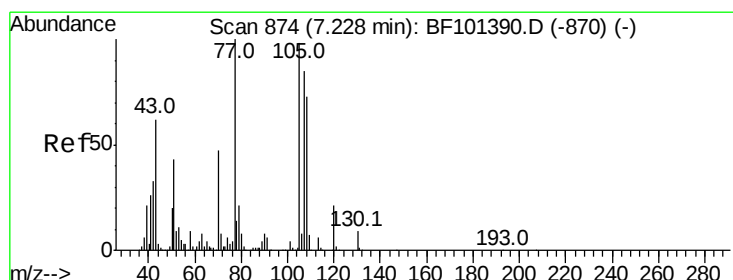
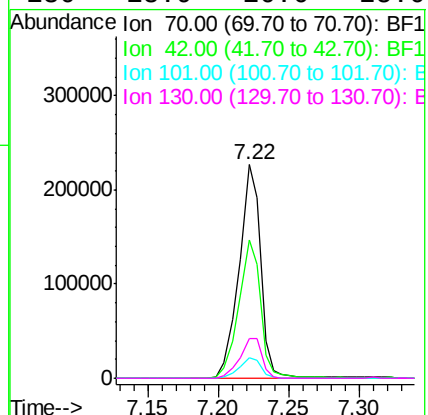
Ion Ratio Lower Upper

70 100

42 64.7 47.5 71.3

101 9.4 7.4 11.2

130 18.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 41.718 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Tgt Ion: 107 Resp: 361578

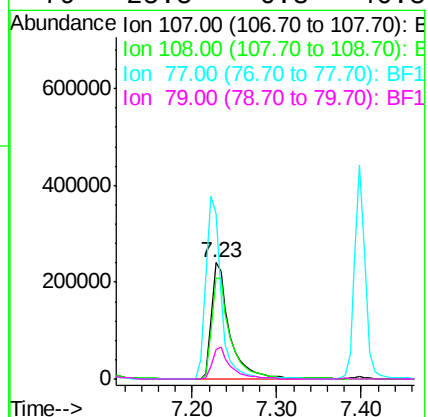
Ion Ratio Lower Upper

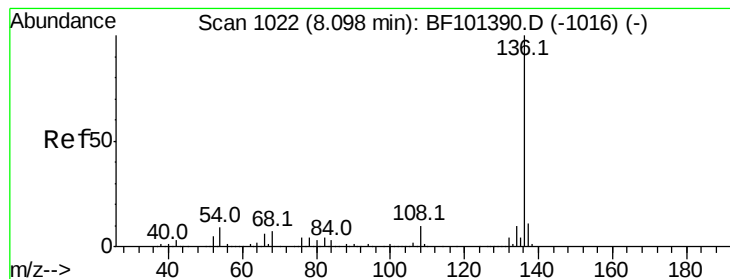
107 100

108 87.3 68.2 108.2

77 142.3 26.7 66.7#

79 25.5 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

Tot Ion:136 Resp: 482368

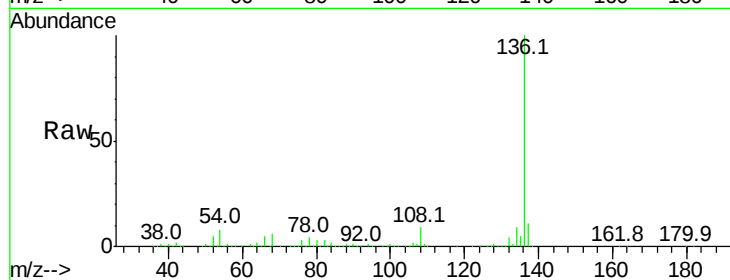
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 6.6 9.8

68 6.3 5.0 7.4

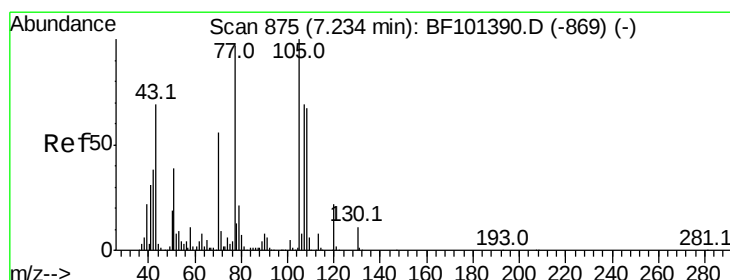
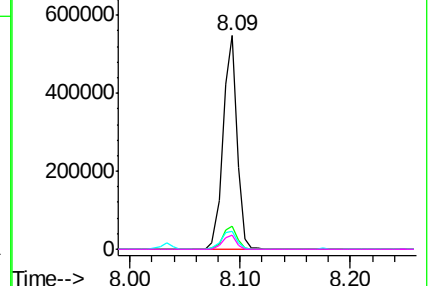
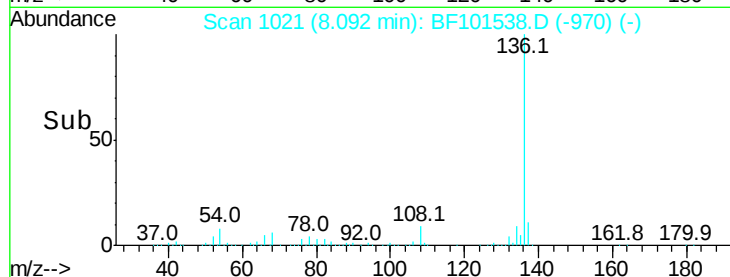


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 43.571 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Tgt Ion:105 Resp: 479565

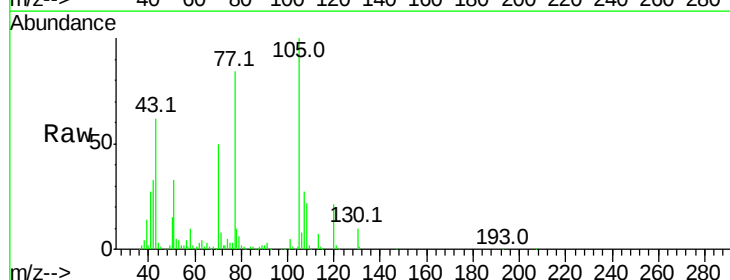
Ion Ratio Lower Upper

105 100

71 8.1 4.4 6.6#

51 33.4 22.3 33.5

120 21.2 16.9 25.3

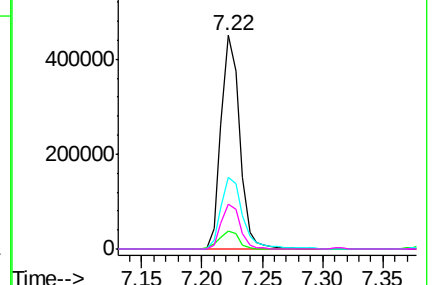
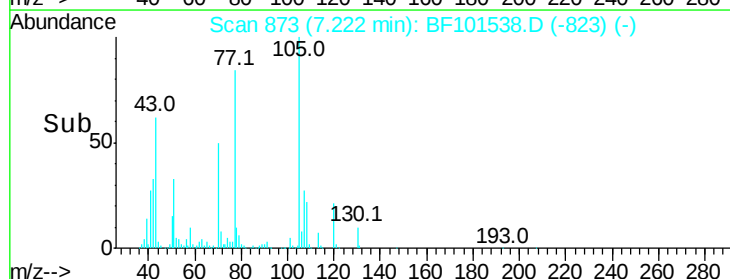


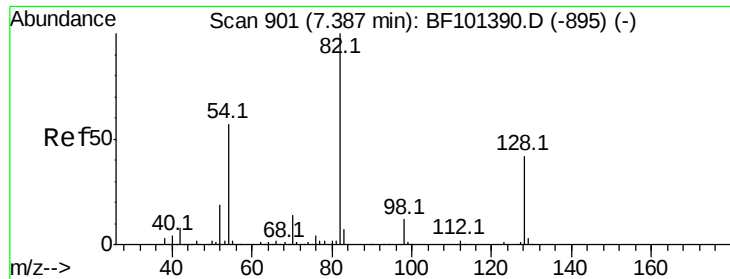
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

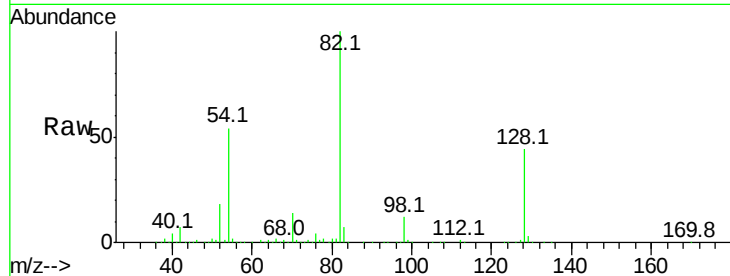




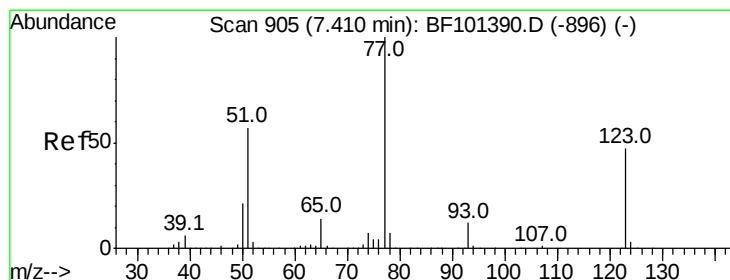
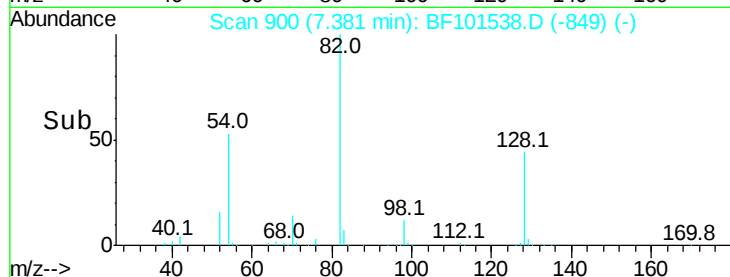
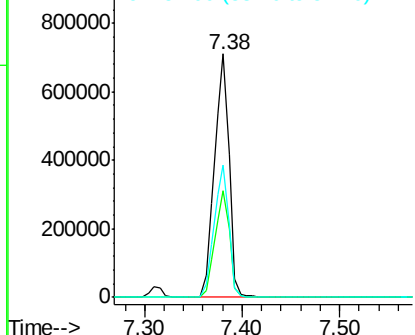
#23
Nitrobenzene-d5
Concen: 85.061 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion: 82 Resp: 737093
Ion Ratio Lower Upper
82 100
128 43.7 36.1 54.1
54 54.2 41.4 62.2

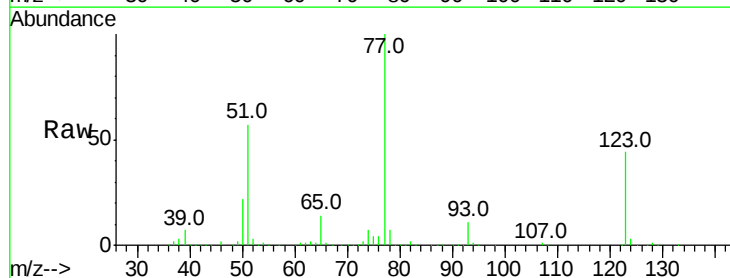


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

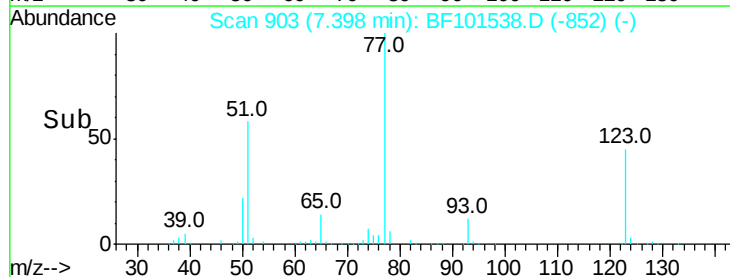
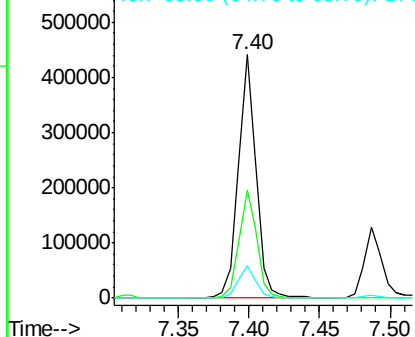


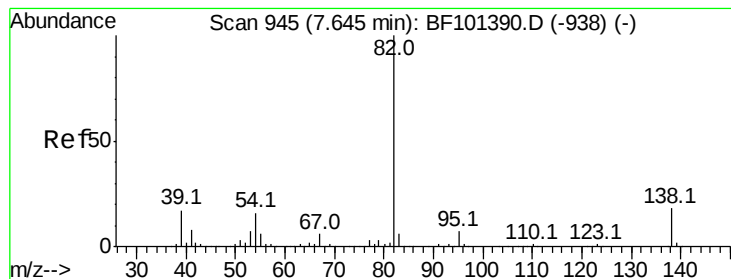
#24
Nitrobenzene
Concen: 40.164 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion: 77 Resp: 385187
Ion Ratio Lower Upper
77 100
123 44.1 37.9 56.9
65 13.5 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 39.073 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

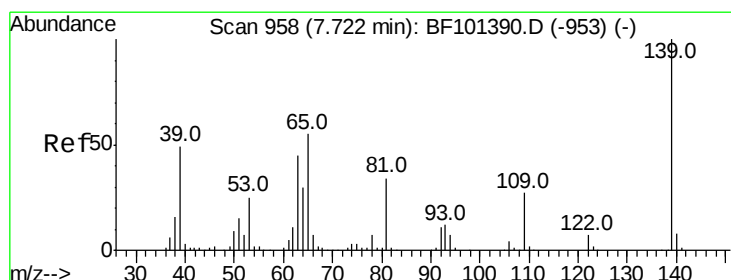
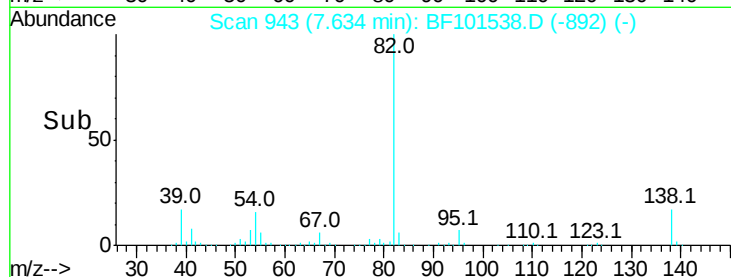
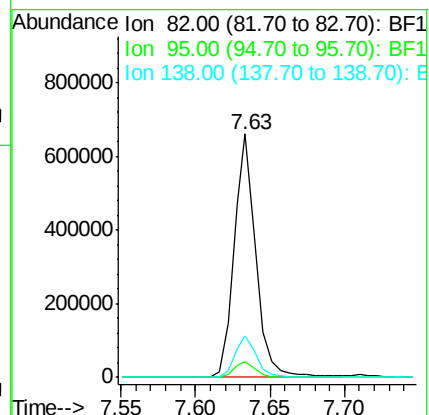
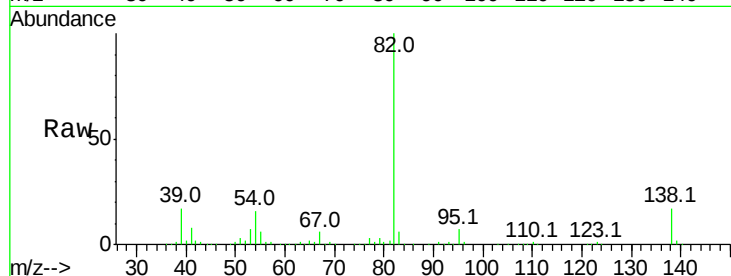
Tot Ion: 82 Resp: 679225

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 17.0 14.9 22.3



#26

2-Nitrophenol

Concen: 44.102 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

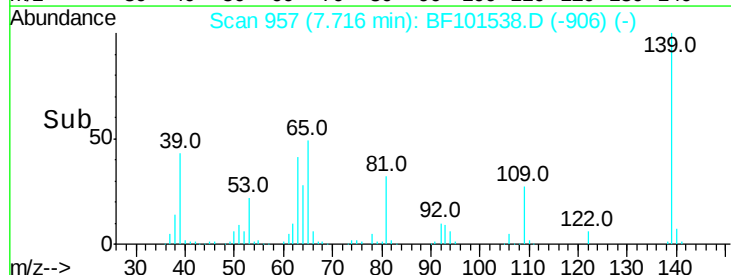
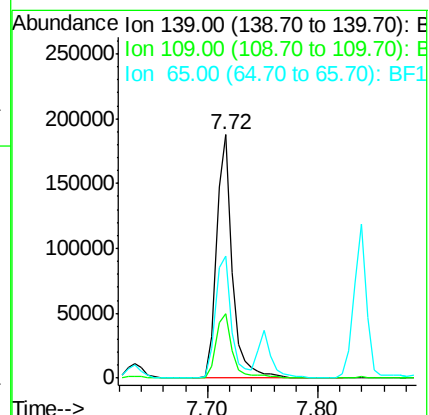
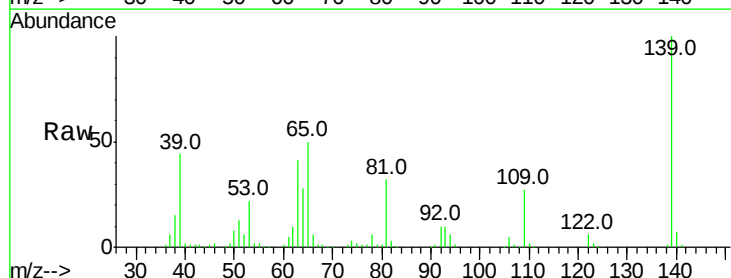
Tgt Ion: 139 Resp: 181709

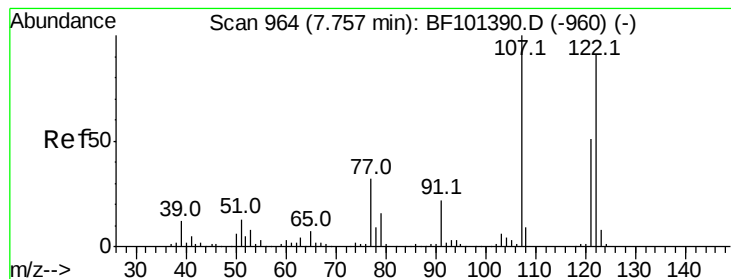
Ion Ratio Lower Upper

139 100

109 26.6 22.7 34.1

65 50.3 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 42.551 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

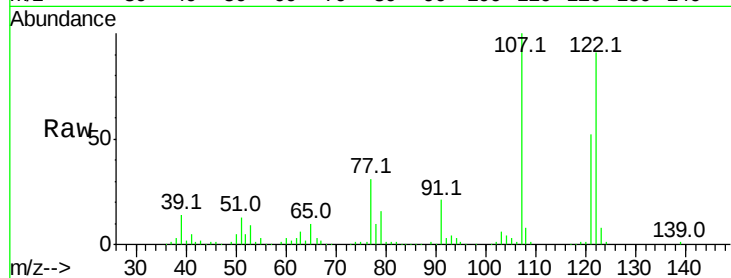
Tot Ion:122 Resp: 297844

Ion Ratio Lower Upper

122 100

107 109.8 91.2 136.8

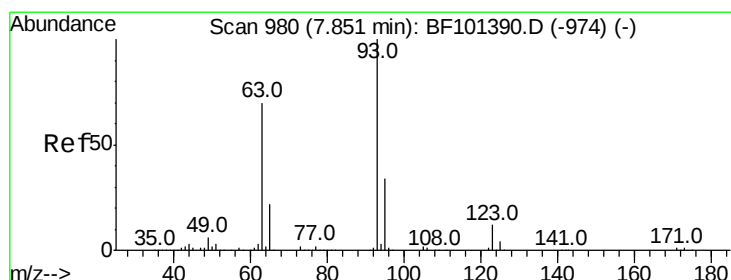
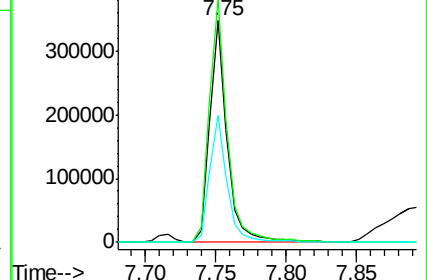
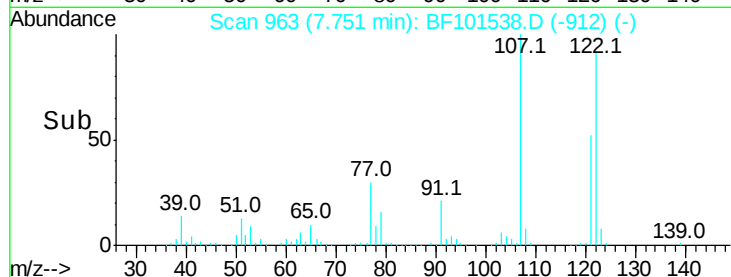
121 57.3 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.849 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

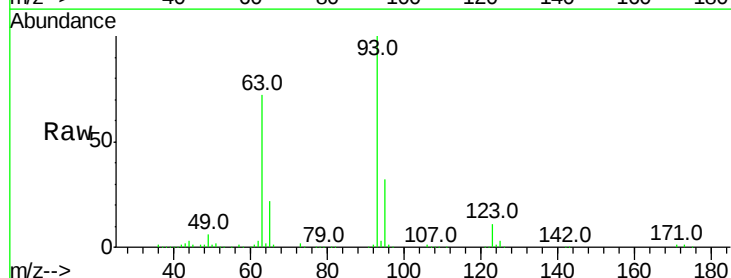
Tgt Ion: 93 Resp: 440031

Ion Ratio Lower Upper

93 100

95 31.8 26.3 39.5

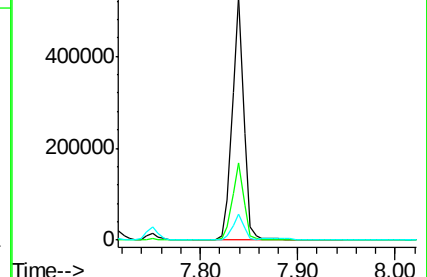
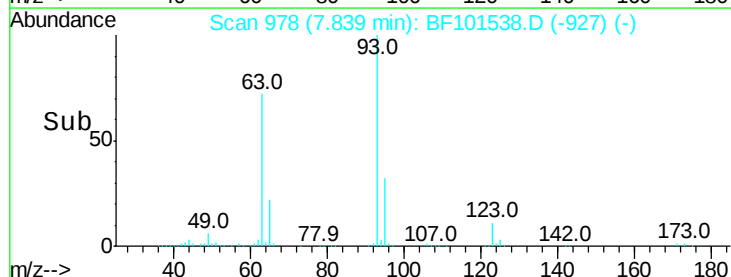
123 10.5 9.8 14.6

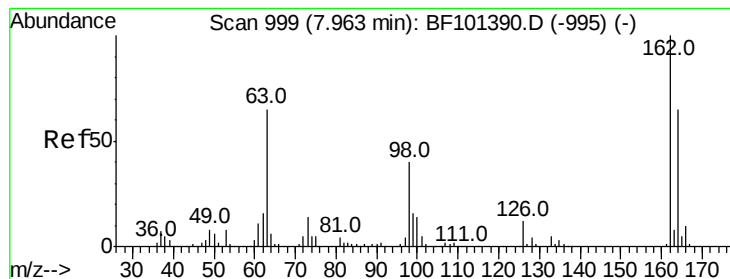


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 40.533 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

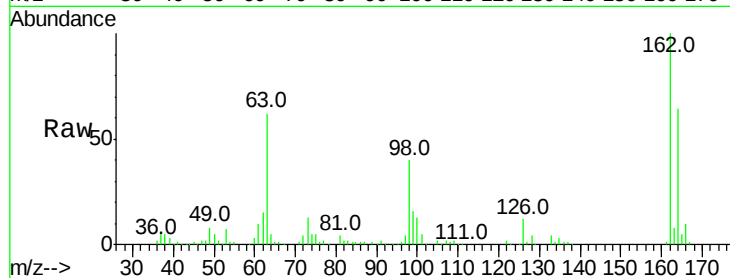
Tot Ion:162 Resp: 280302

Ion Ratio Lower Upper

162 100

164 63.7 42.7 82.7

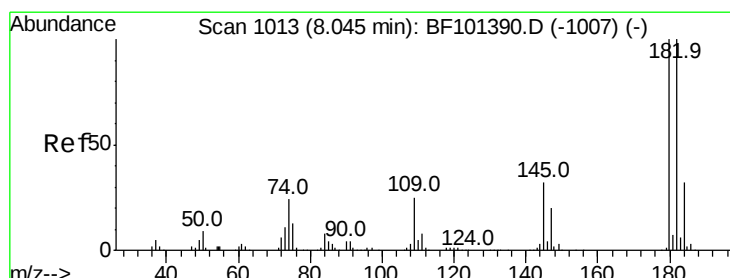
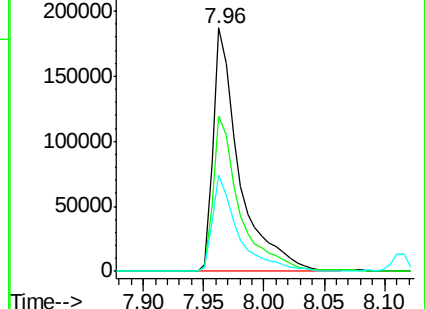
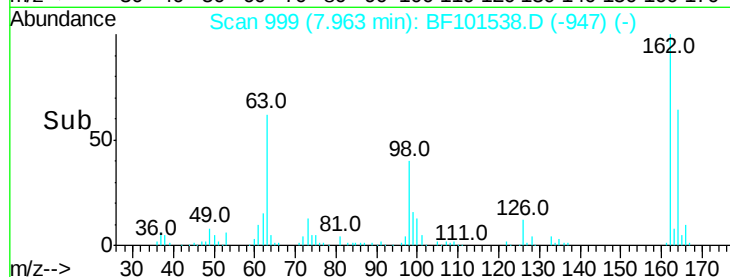
98 39.8 18.1 58.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 39.222 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

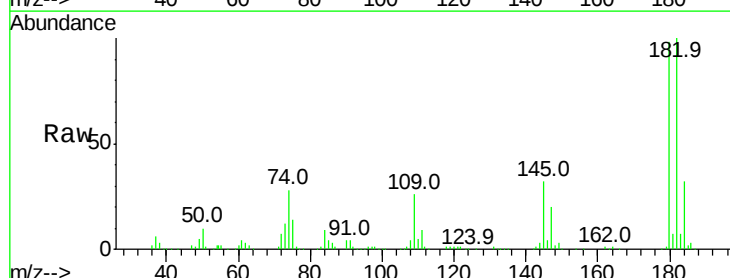
Tgt Ion:180 Resp: 286239

Ion Ratio Lower Upper

180 100

182 101.9 76.8 115.2

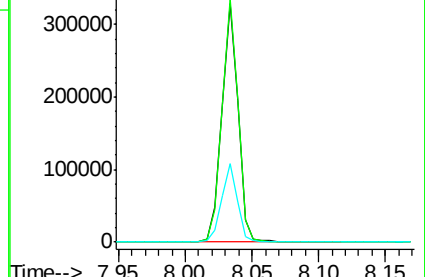
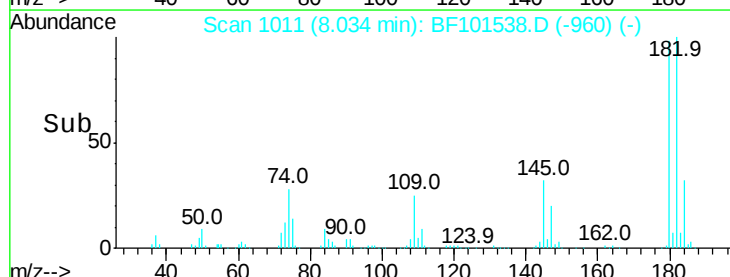
145 32.8 26.5 39.7

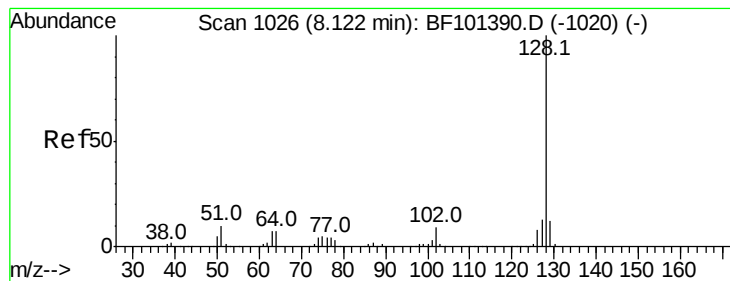


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.422 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

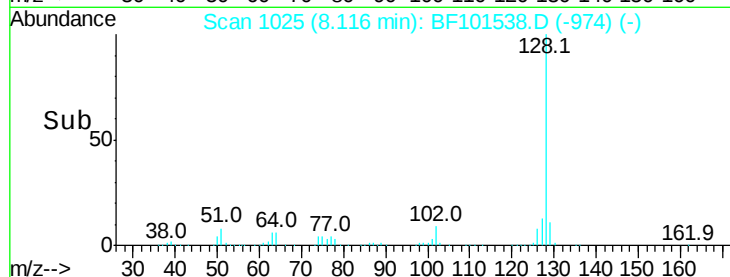
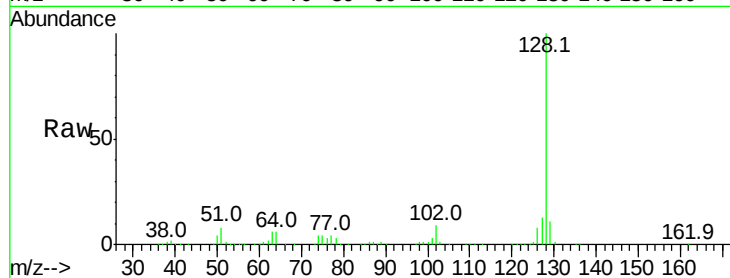
Tot Ion:128 Resp: 933043

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

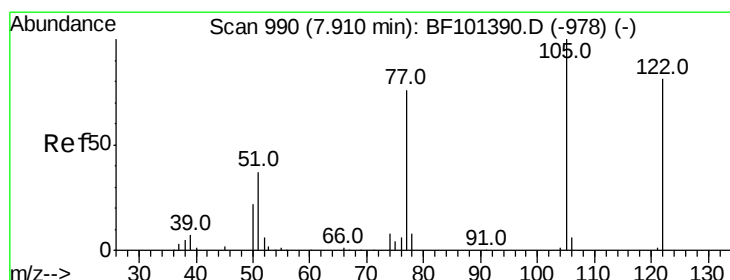
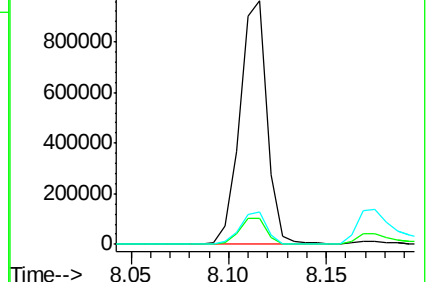
127 13.3 10.9 16.3



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: 28.968 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

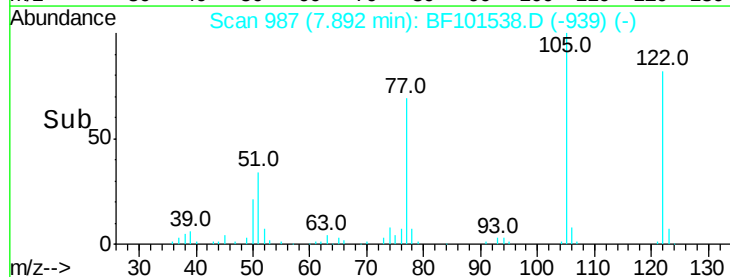
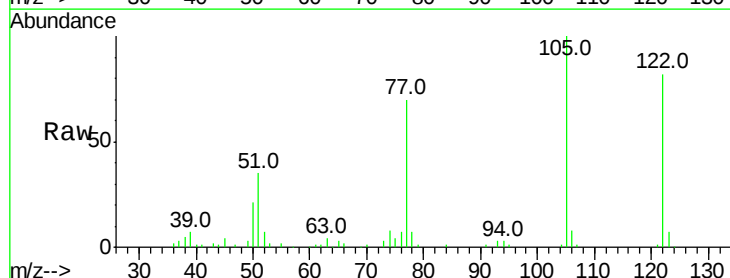
Tgt Ion:122 Resp: 118780

Ion Ratio Lower Upper

122 100

105 122.2 101.1 141.1

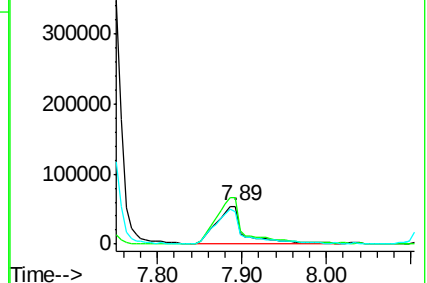
77 85.5 70.7 110.7

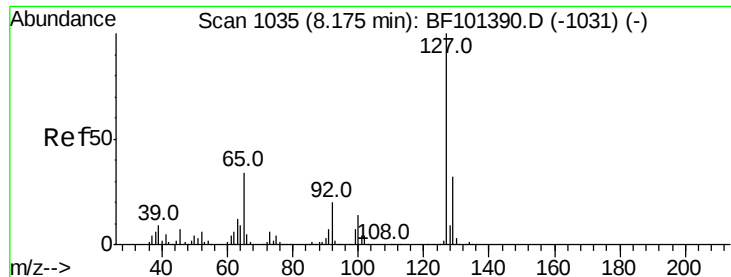


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

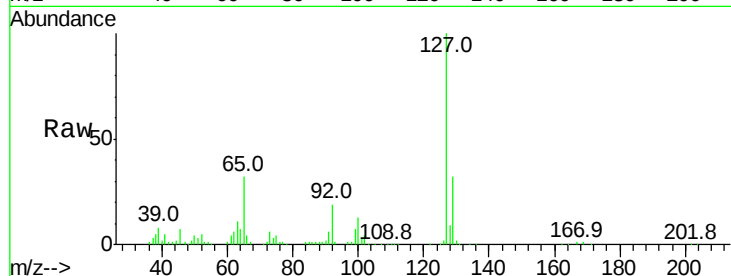




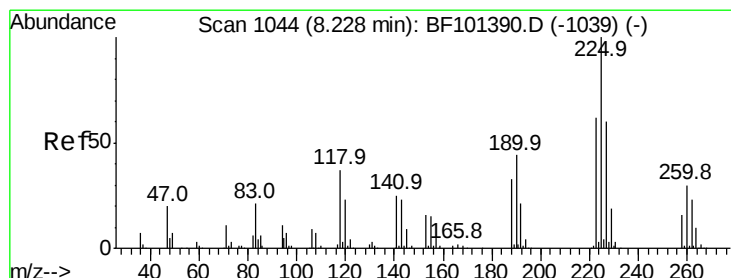
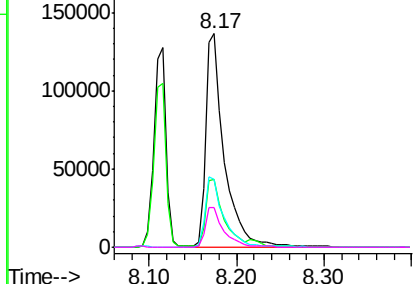
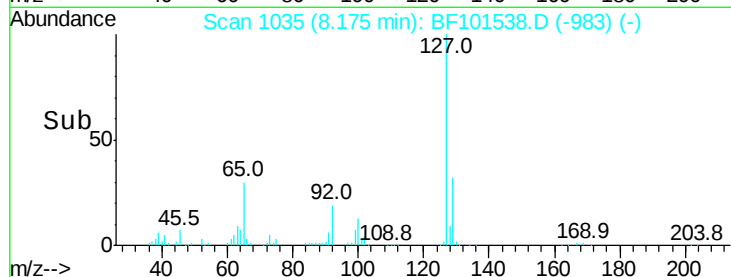
#33
4-Chloroaniline
Concen: 18.984 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion:	127	Resp:	200367
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	32.1	25.0	37.4
92	18.7	15.2	22.8

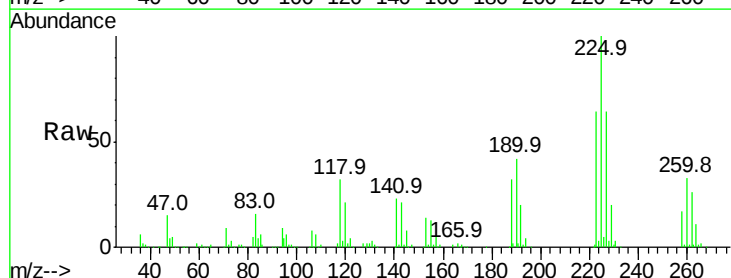


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

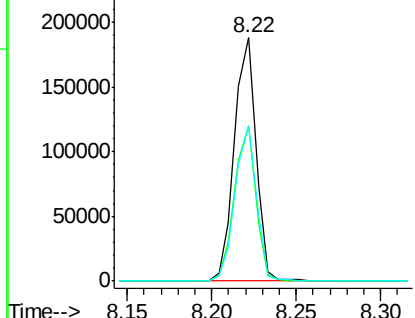
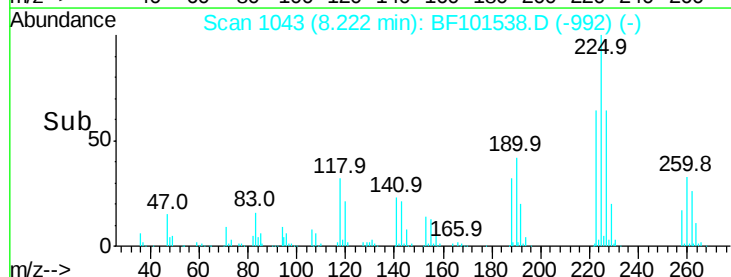


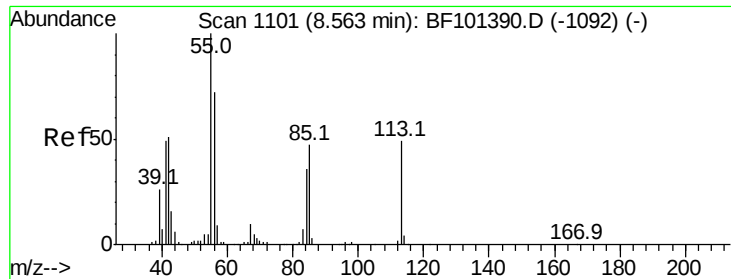
#34
Hexachlorobutadiene
Concen: 39.628 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:	225	Resp:	167264
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	64.0	51.9	77.9



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: 33.207 ng

RT: 8.54 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

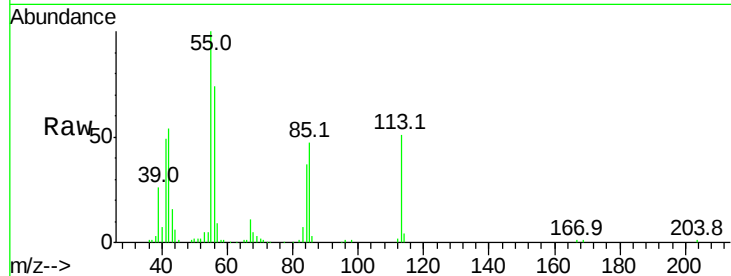
Tot Ion:113 Resp: 79739

Ion Ratio Lower Upper

113 100

55 196.1 163.3 203.3

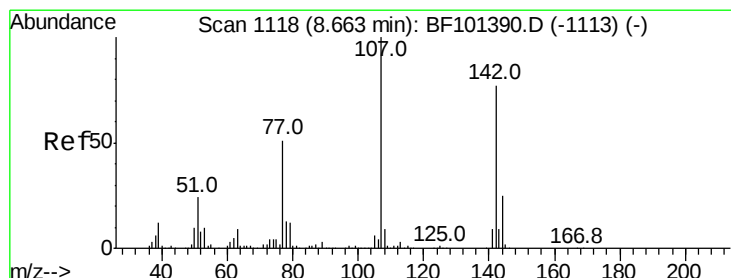
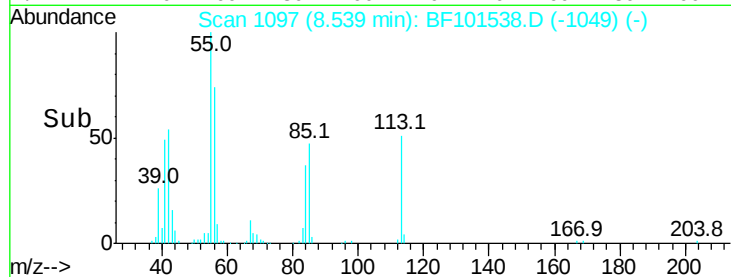
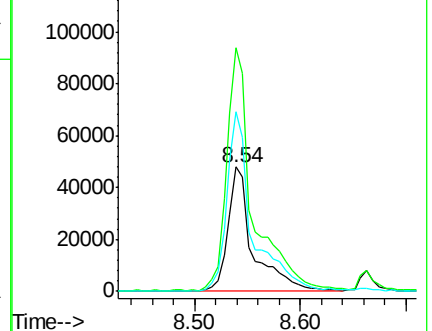
56 144.7 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 36.036 ng

RT: 8.66 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

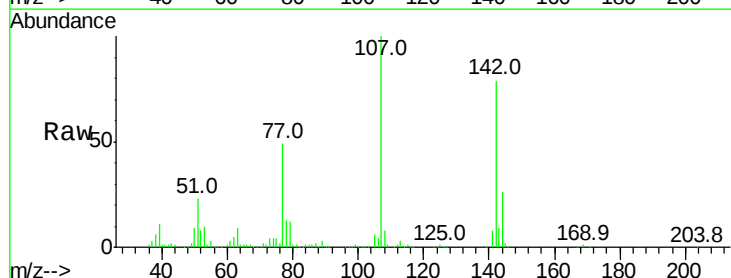
Tgt Ion:107 Resp: 273903

Ion Ratio Lower Upper

107 100

144 26.3 20.5 30.7

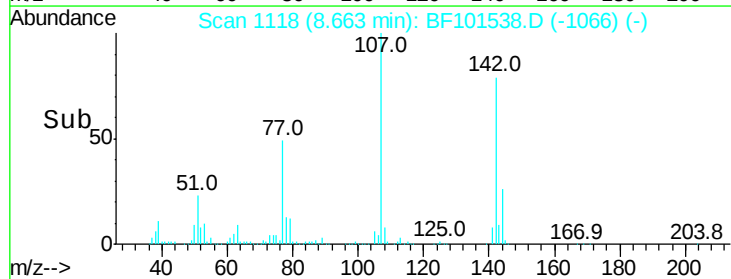
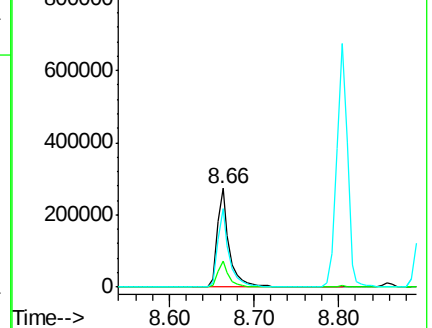
142 79.1 62.0 93.0

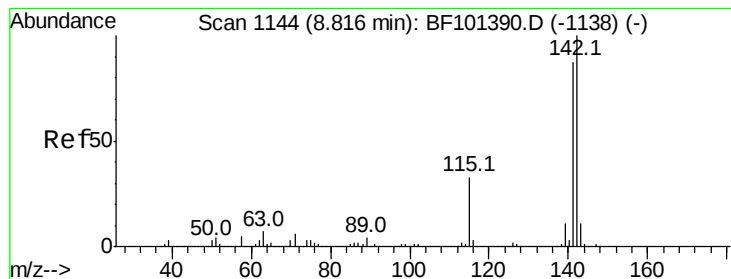


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 37.024 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

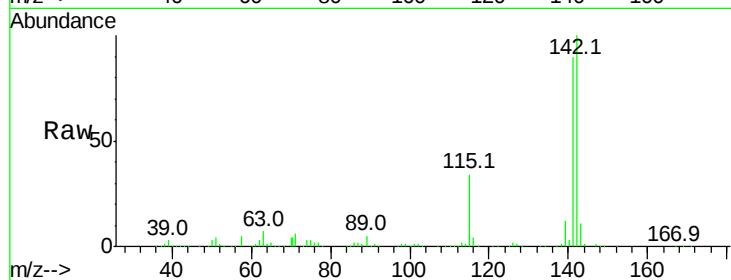
Tot Ion:142 Resp: 585786

Ion Ratio Lower Upper

142 100

141 89.6 70.8 106.2

115 33.6 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.80

600000

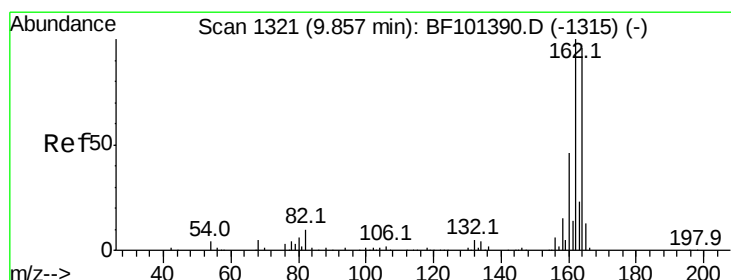
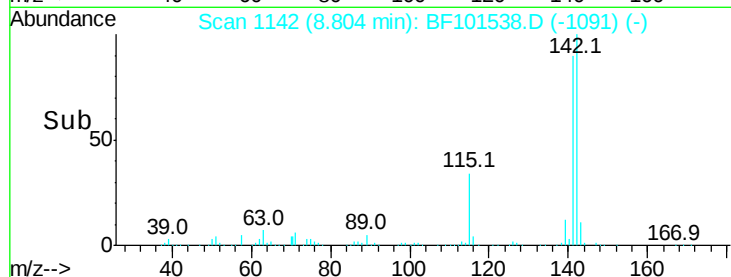
400000

200000

0

8.75 8.80 8.85 8.90

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

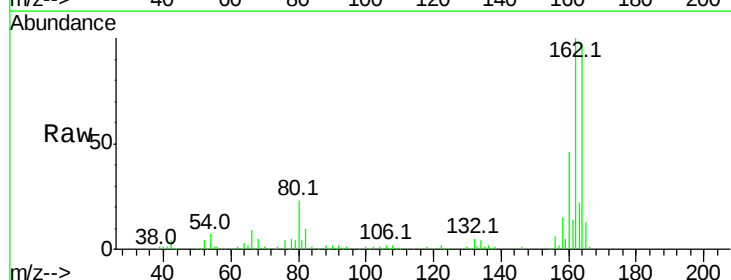
Tgt Ion:164 Resp: 179252

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

160 47.0 38.3 57.5



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

9.85

300000

250000

200000

150000

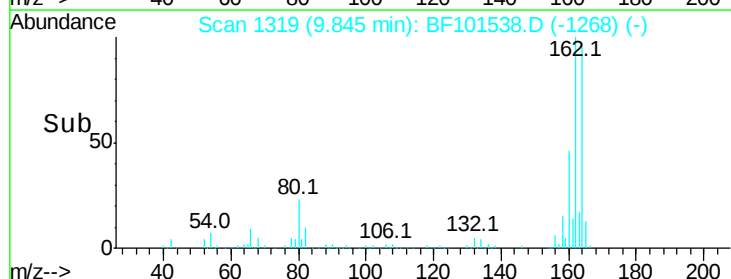
100000

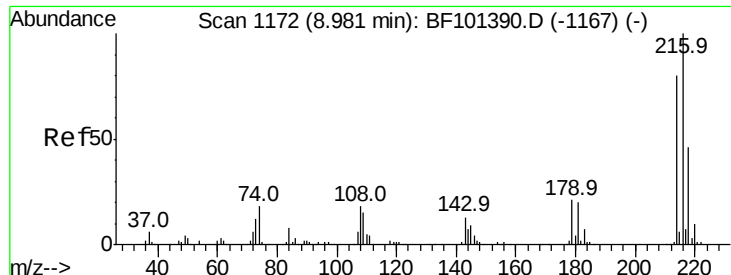
50000

0

9.80 9.85 9.90

Time-->





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.566 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

Tot Ion:216 Resp: 275766

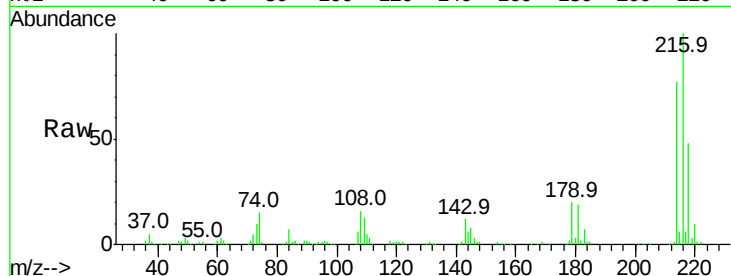
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 20.8 18.1 27.1

108 17.9 17.2 25.8

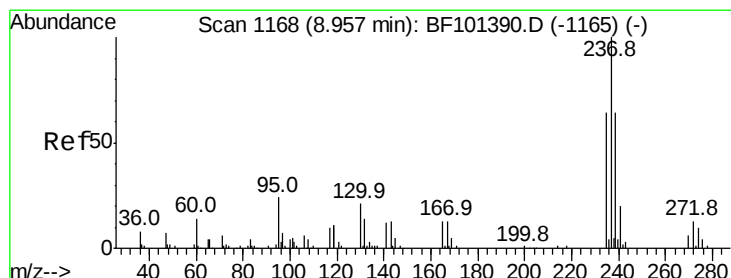
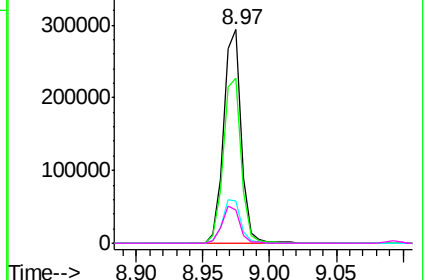
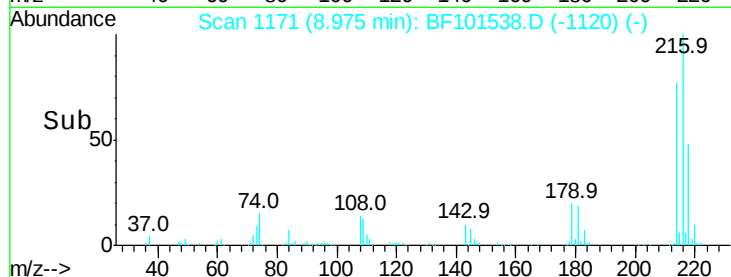


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 20.439 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

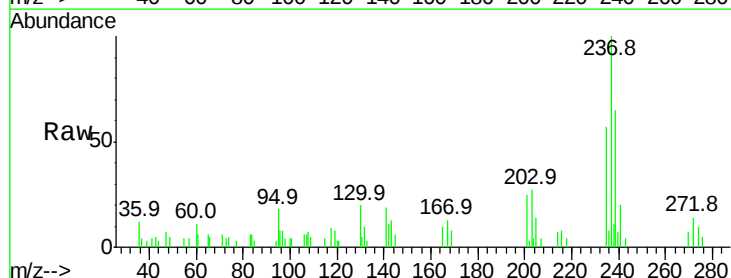
Tgt Ion:237 Resp: 8625

Ion Ratio Lower Upper

237 100

235 57.0 44.8 84.8

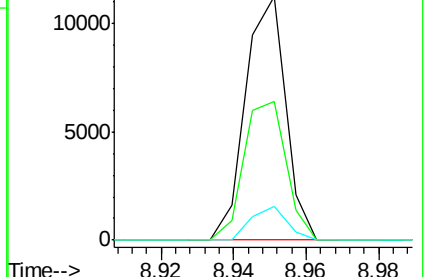
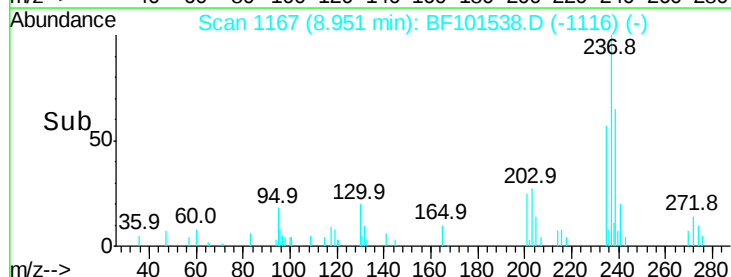
272 13.9 0.0 33.3

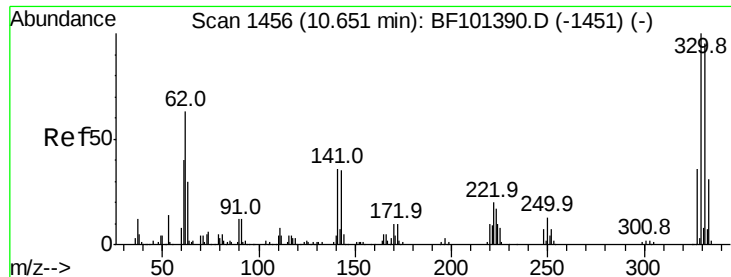


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

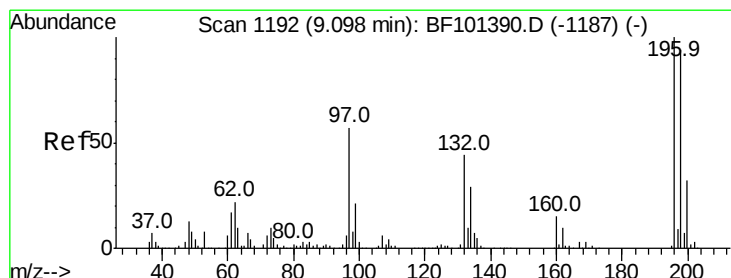
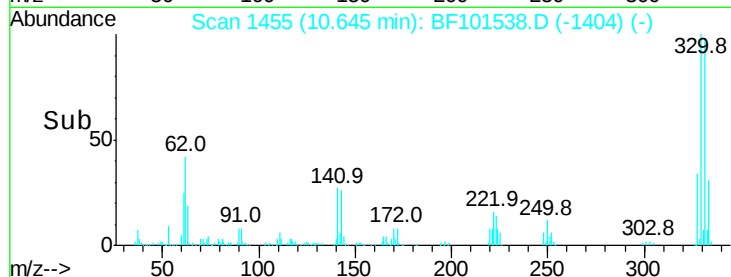
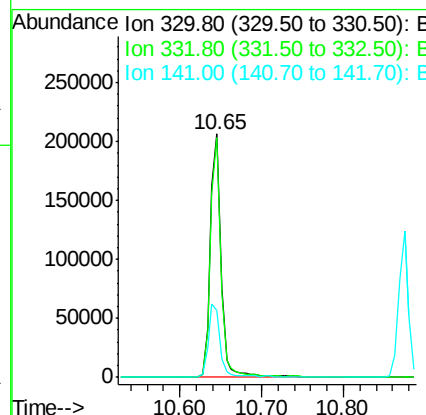
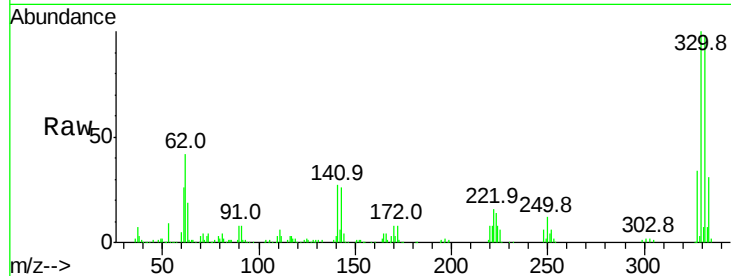




#41
 2,4,6-Tribromophenol
 Concen: 110.964 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

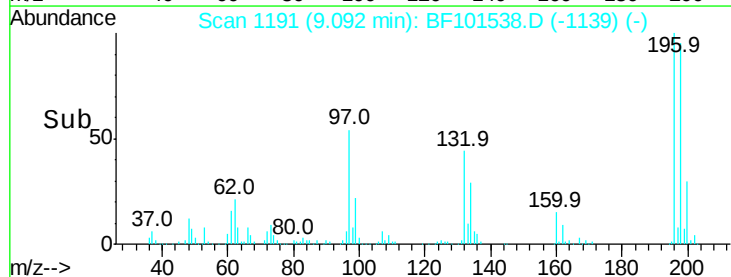
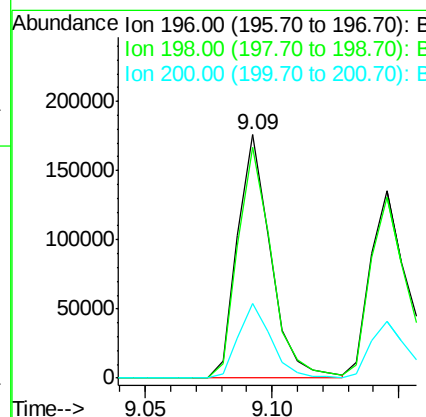
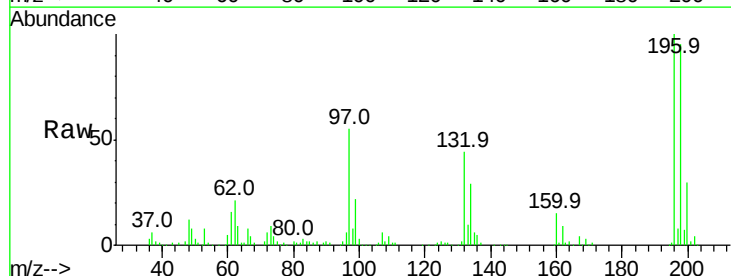
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

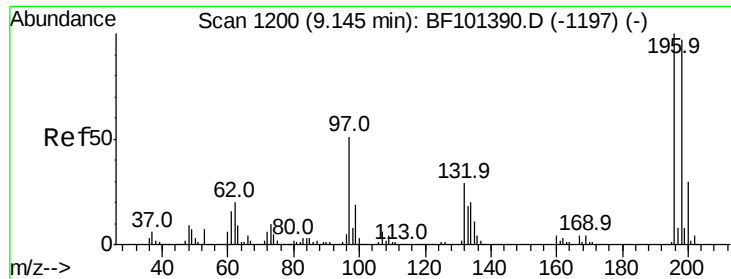
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	32.0	29.9	44.9



#42
 2,4,6-Trichlorophenol
 Concen: 43.995 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.7	113.5
200	30.5	24.5	36.7

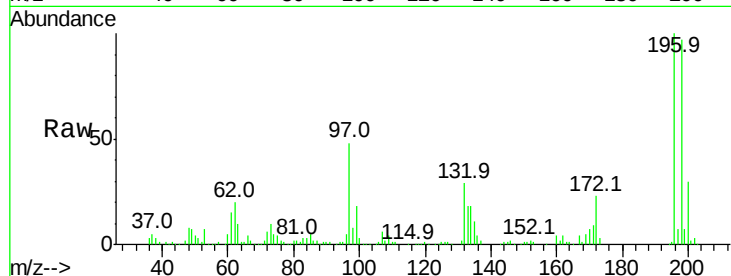




#43
 2,4,5-Trichlorophenol
 Concen: 39.385 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.8	74.6	112.0
97	47.9	42.9	64.3
132	28.8	26.3	39.5



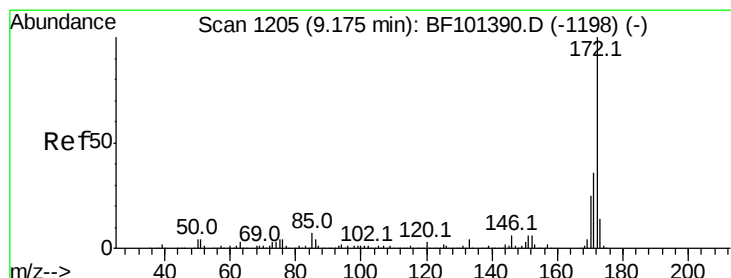
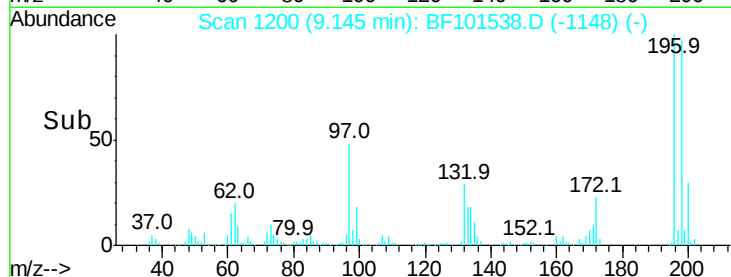
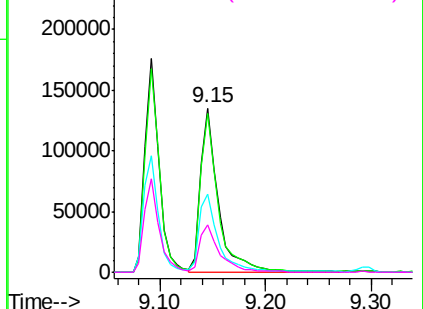
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

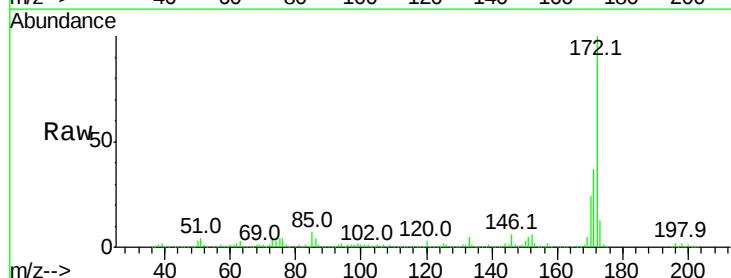
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 95.108 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4

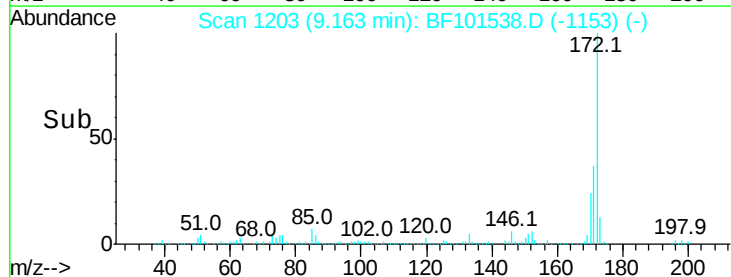
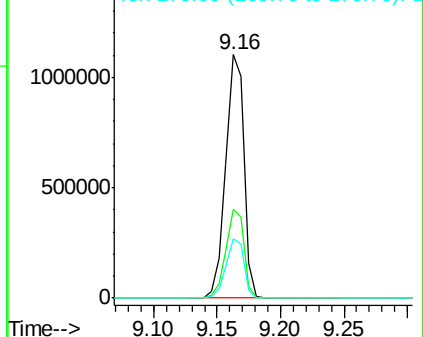


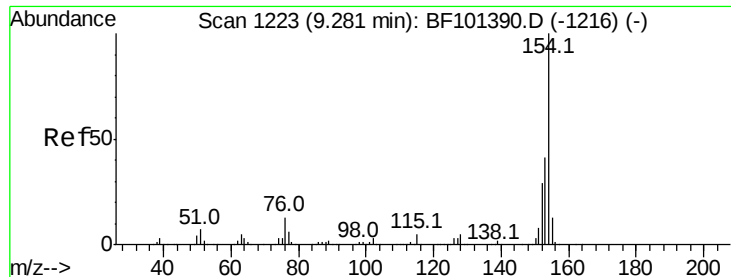
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 42.836 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

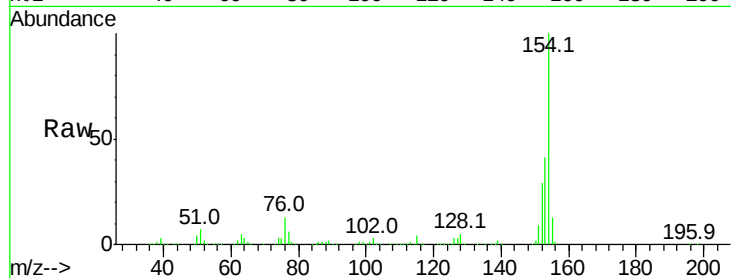
Tot Ion:154 Resp: 680965

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

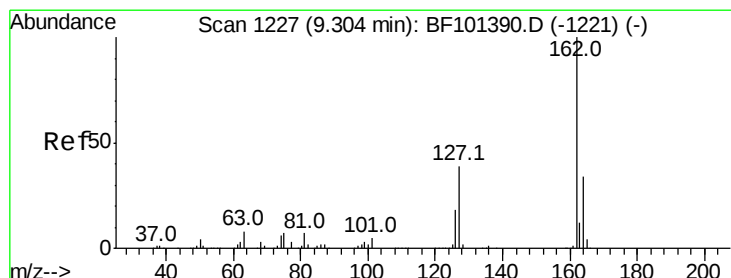
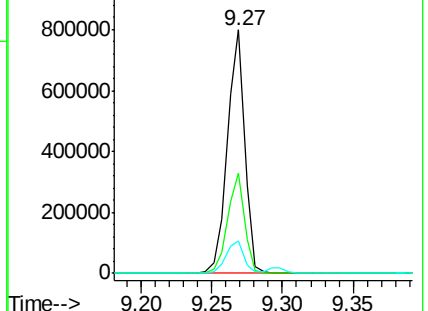
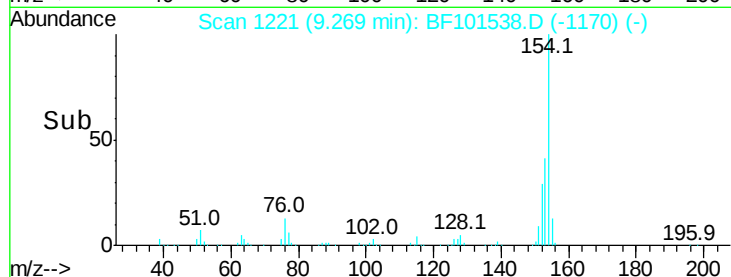
76 13.3 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 41.614 ng

RT: 9.30 min Scan# 1226

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

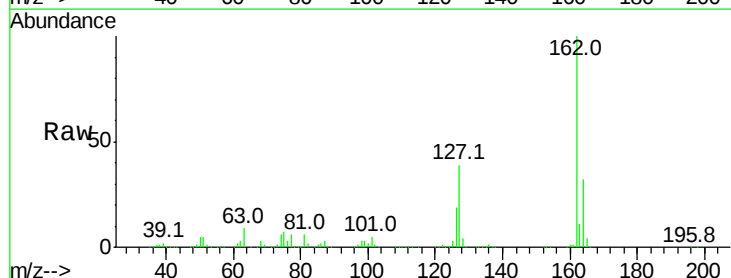
Tgt Ion:162 Resp: 506181

Ion Ratio Lower Upper

162 100

127 38.6 33.9 50.9

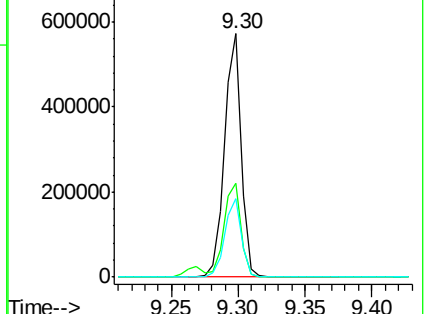
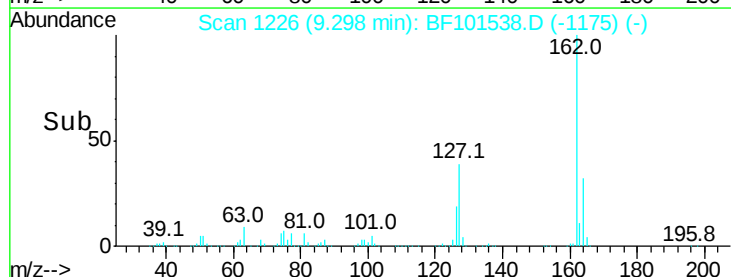
164 32.1 26.5 39.7

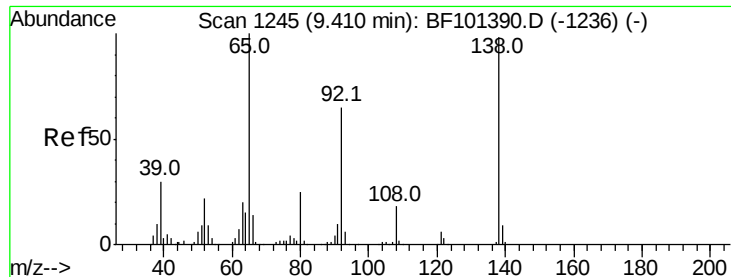


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 40.618 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

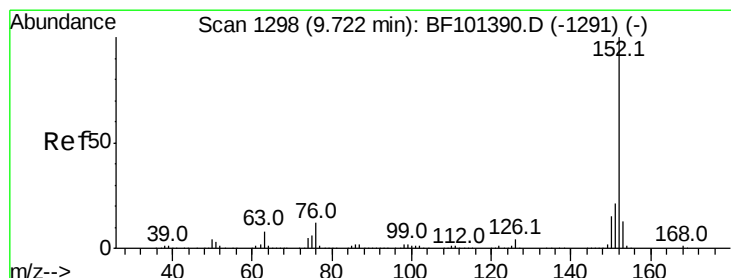
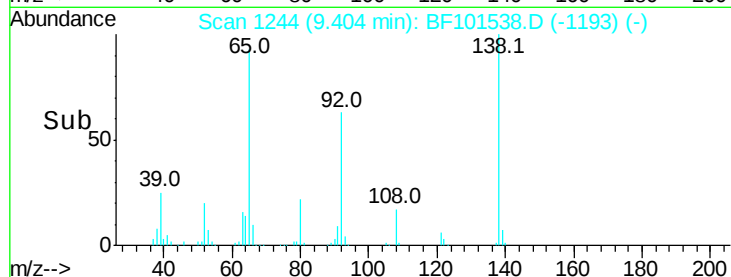
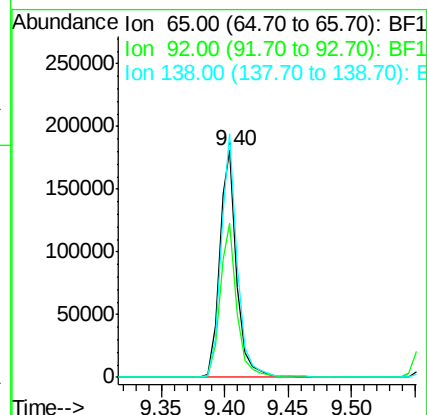
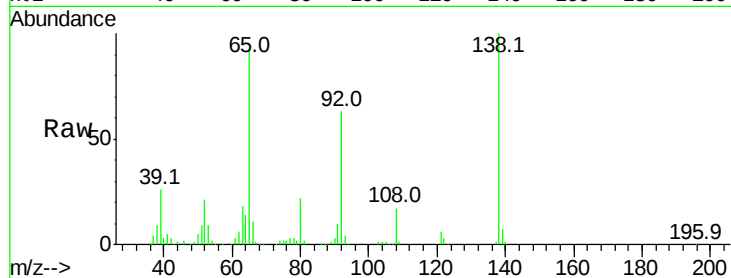
Tot Ion: 65 Resp: 170674

Ion Ratio Lower Upper

65 100

92 68.0 55.8 83.6

138 107.4 91.2 136.8



#48

Acenaphthylene

Concen: 37.655 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

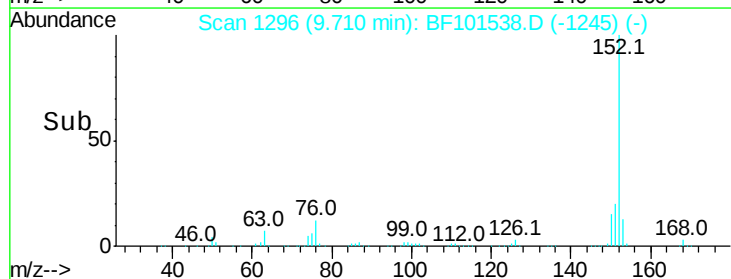
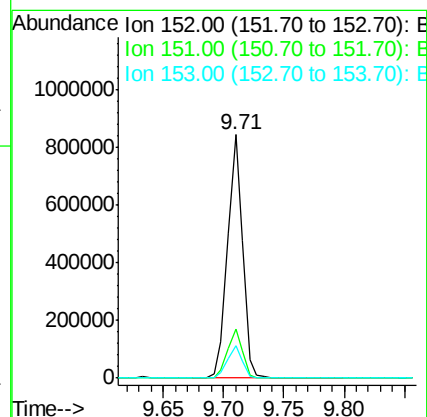
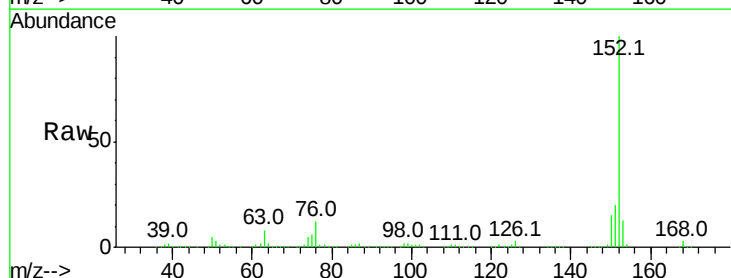
Tgt Ion: 152 Resp: 723430

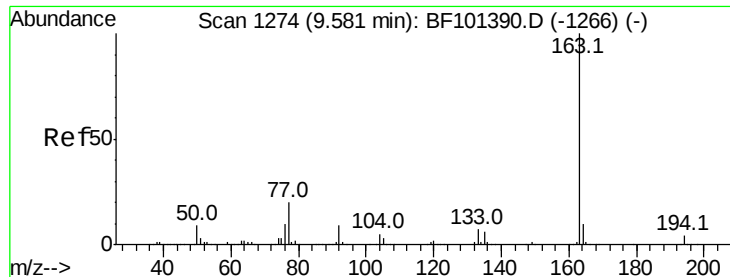
Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 13.2 10.7 16.1

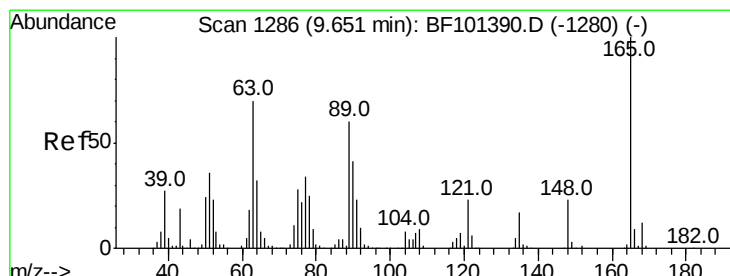
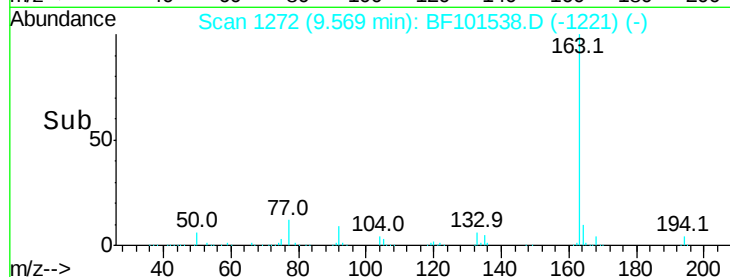
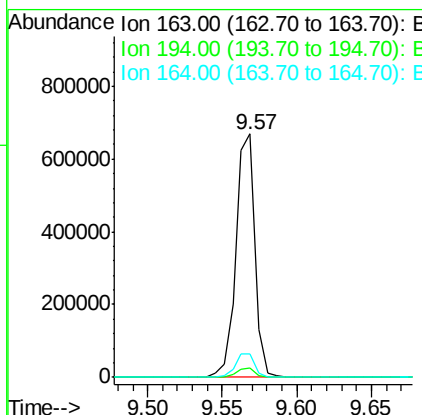
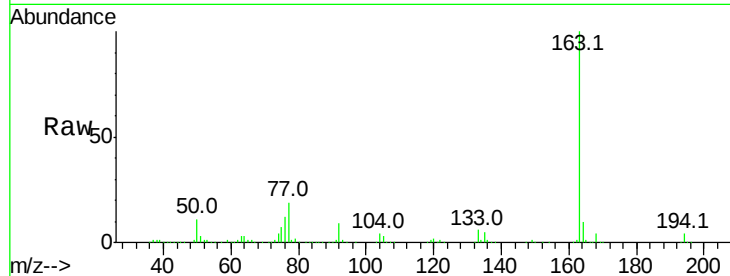




#49
Dimethylphthalate
Concen: 41.505 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

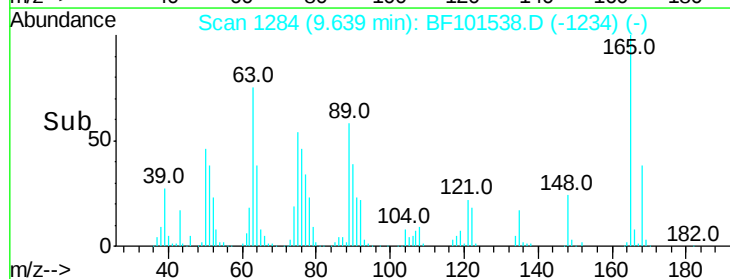
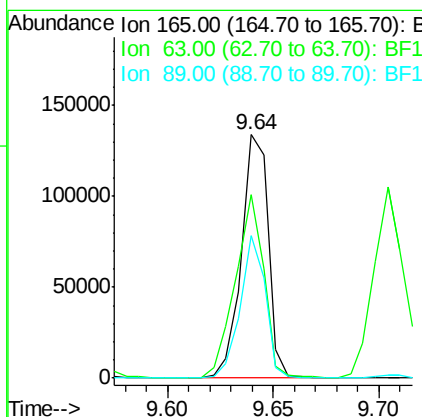
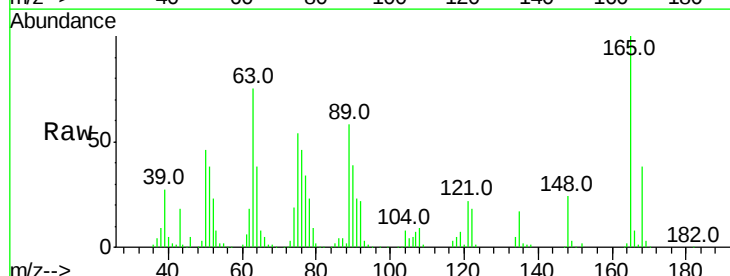
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

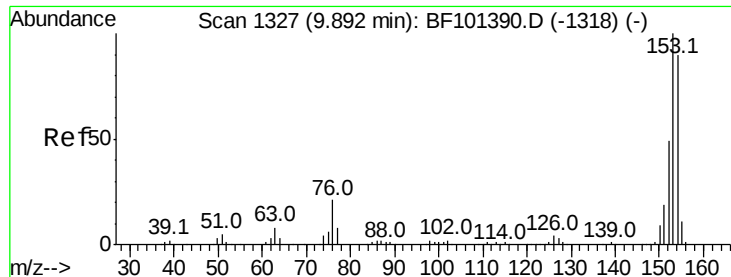
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.7	8.2	12.2



#50
2,6-Dinitrotoluene
Concen: 40.168 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	75.5	44.7	67.1#
89	58.3	44.0	66.0





#51

Acenaphthene

Concen: 37.247 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

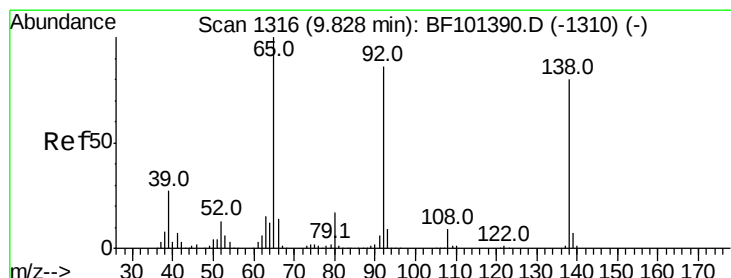
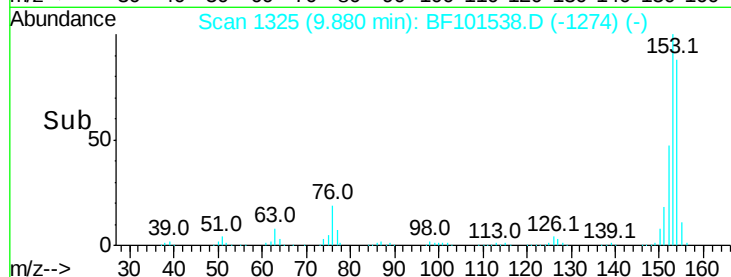
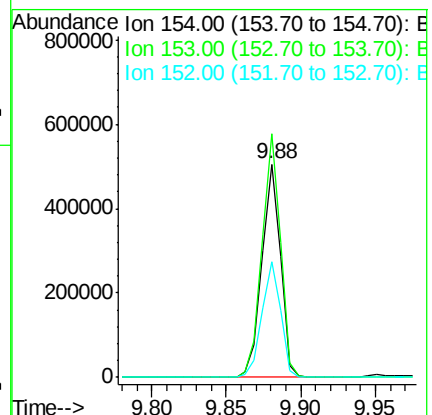
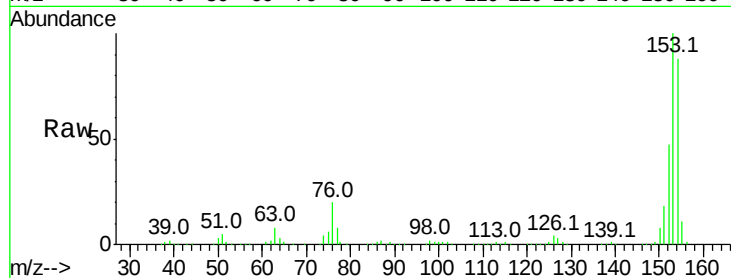
Tot Ion:154 Resp: 429934

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

152 54.1 43.8 65.8



#52

3-Nitroaniline

Concen: 29.893 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

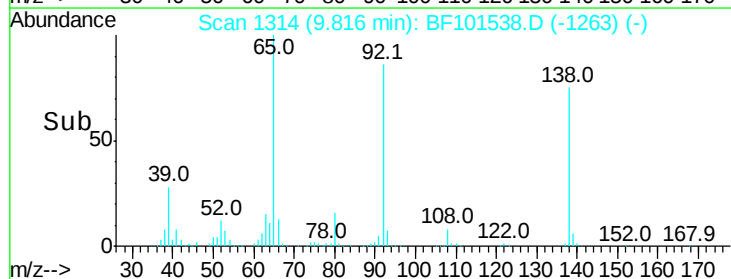
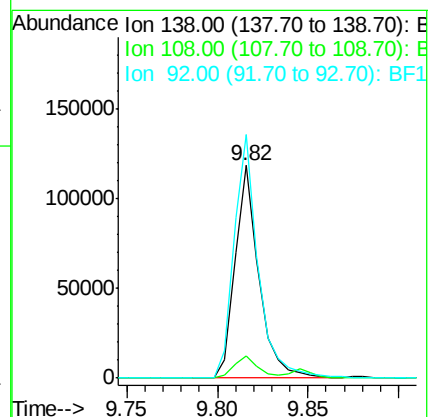
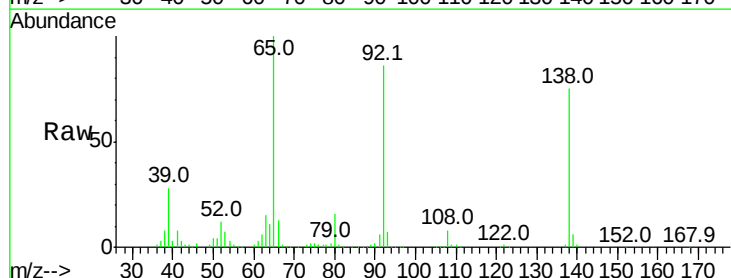
Tgt Ion:138 Resp: 109215

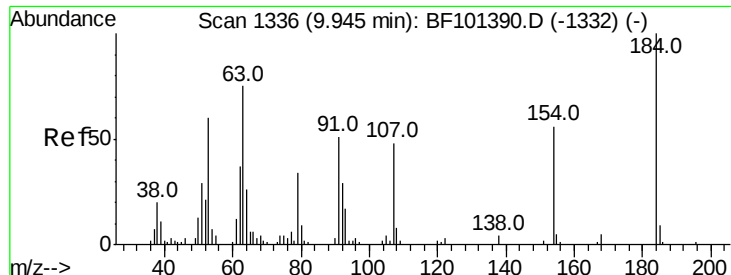
Ion Ratio Lower Upper

138 100

108 10.3 9.4 14.0

92 114.6 89.4 134.2

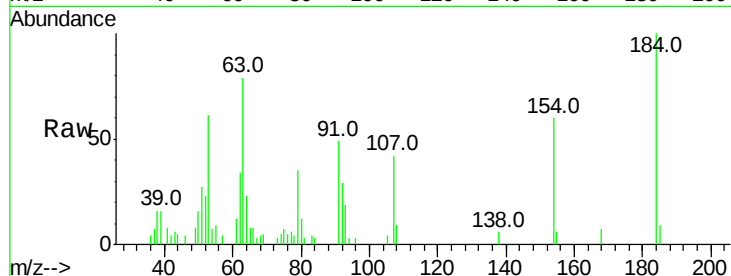




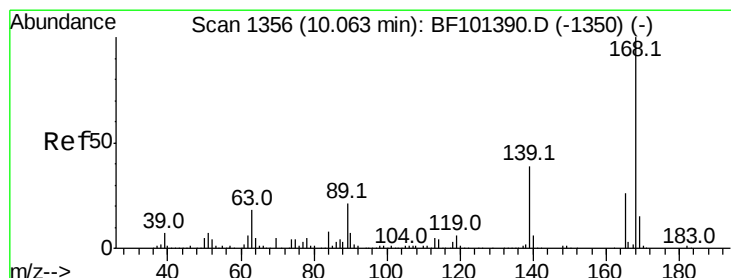
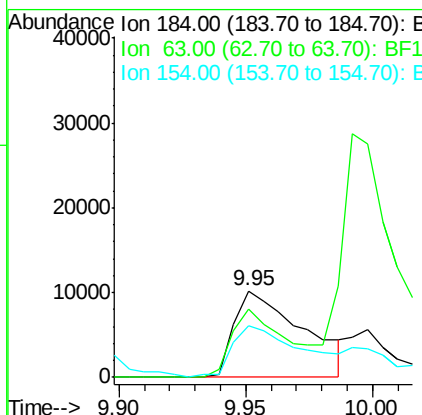
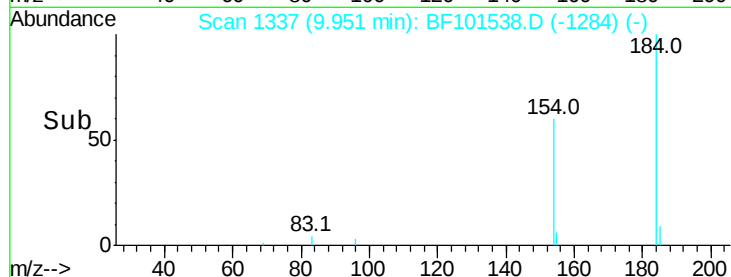
#53
2,4-Dinitrophenol
Concen: 26.616 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion:184 Resp: 19096
Ion Ratio Lower Upper
184 100
63 79.3 54.2 81.2
154 59.6 184.0 276.0#

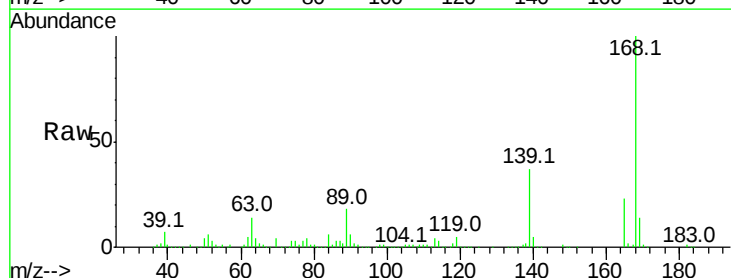


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

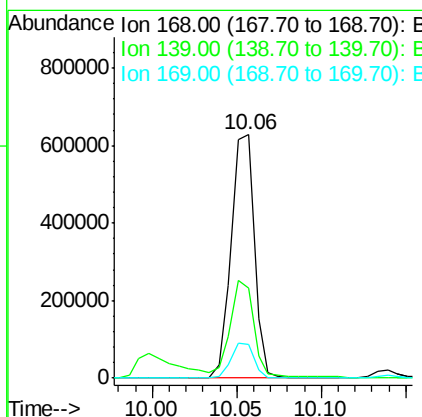
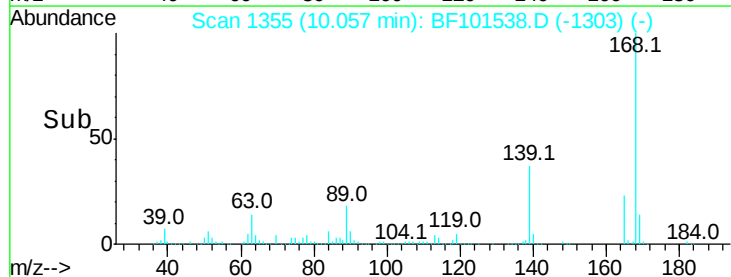


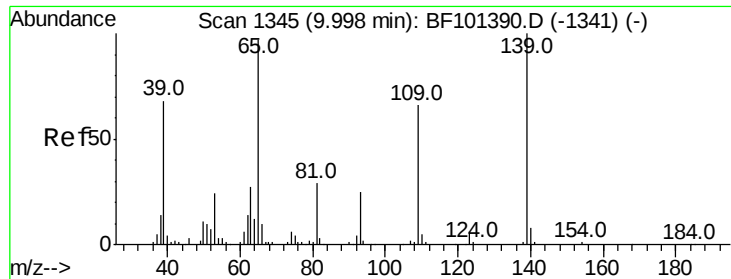
#54
Dibenzofuran
Concen: 40.724 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:168 Resp: 597373
Ion Ratio Lower Upper
168 100
139 36.8 30.1 45.1
169 13.7 10.9 16.3



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

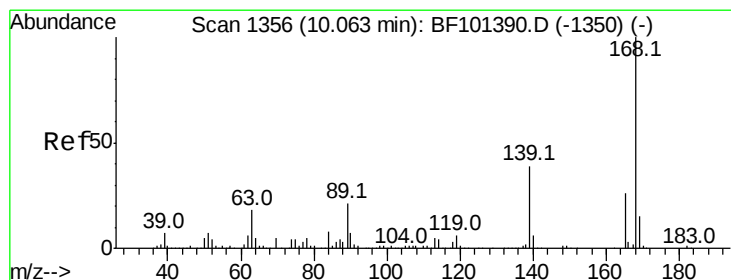
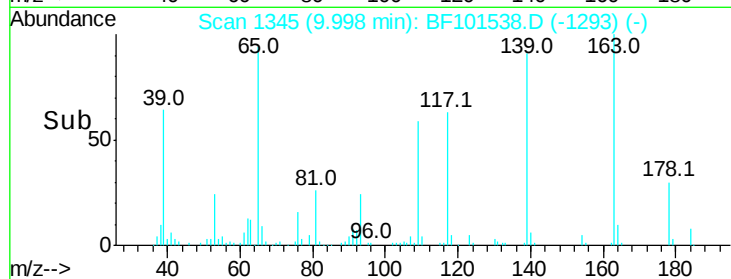
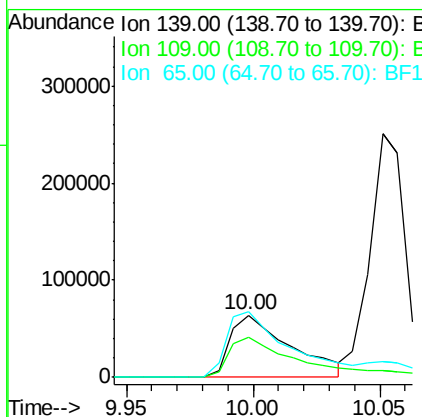
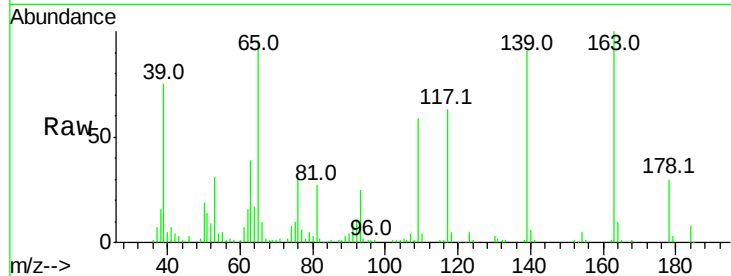




#55
4-Nitrophenol
Concen: 66.455 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

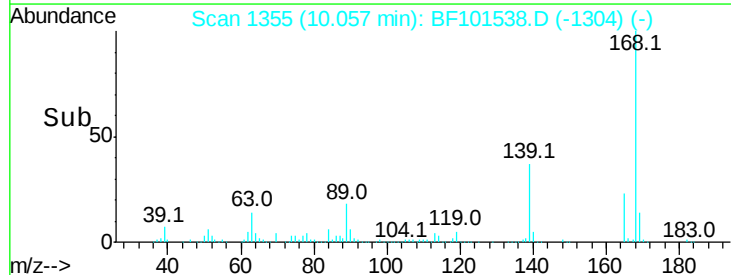
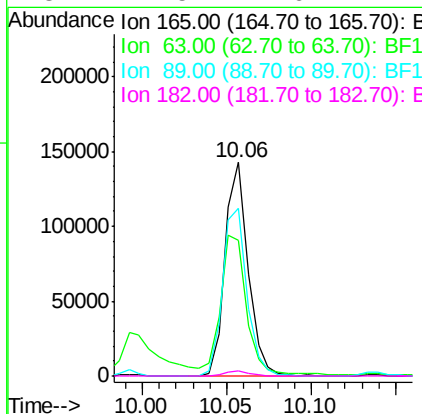
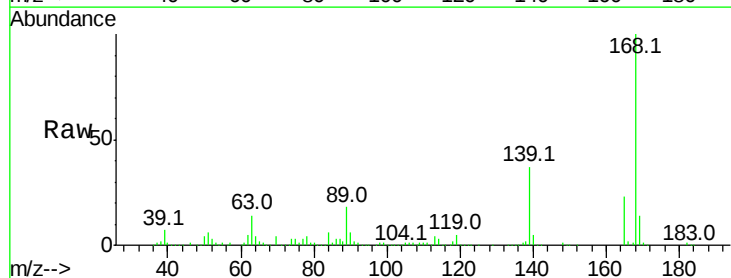
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

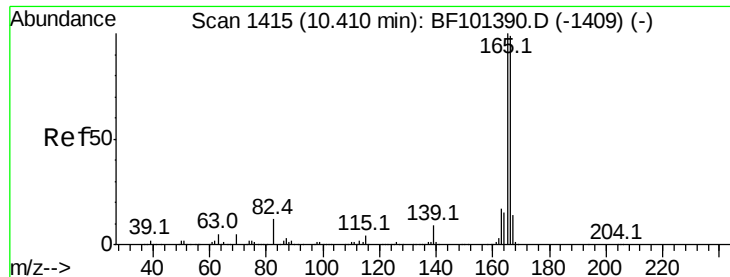
Tot Ion:139 Resp: 105870
Ion Ratio Lower Upper
139 100
109 64.7 48.4 88.4
65 105.4 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 41.098 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:165 Resp: 135692
Ion Ratio Lower Upper
165 100
63 63.6 36.4 54.6#
89 78.6 57.8 86.6
182 2.5 1.6 2.4#





#57

Fluorene

Concen: 38.139 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

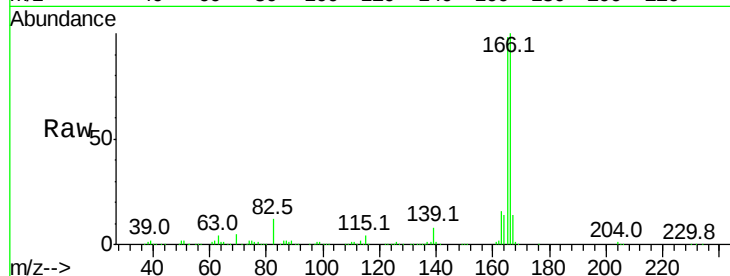
Tot Ion:166 Resp: 473263

Ion Ratio Lower Upper

166 100

165 98.2 79.8 119.8

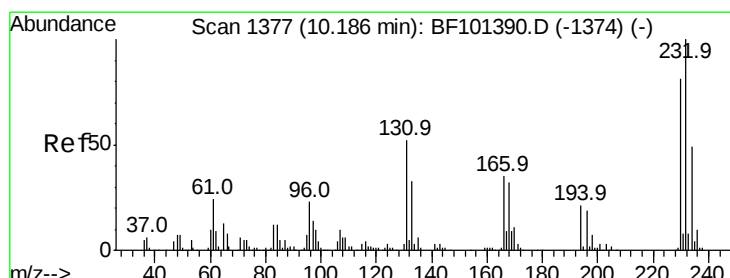
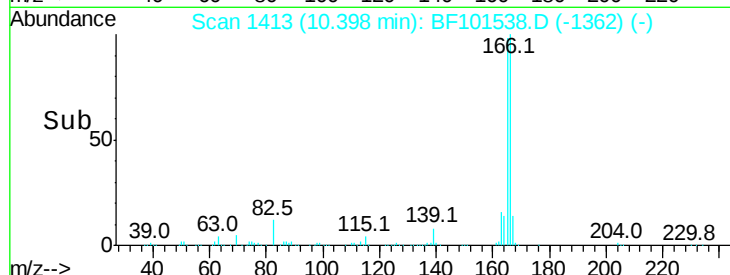
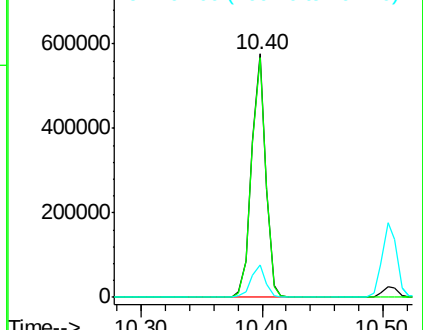
167 13.6 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 40.176 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Tgt Ion:232 Resp: 115153

Ion Ratio Lower Upper

232 100

131 43.7 43.8 65.8#

130 2.1 2.1 3.1

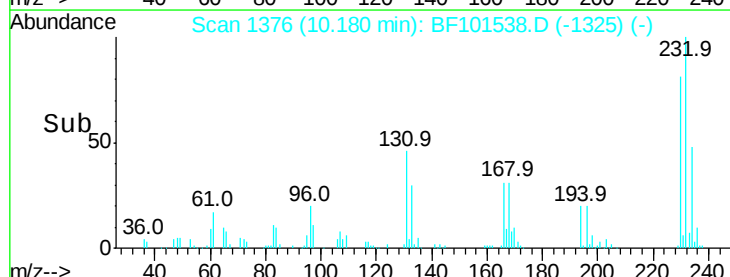
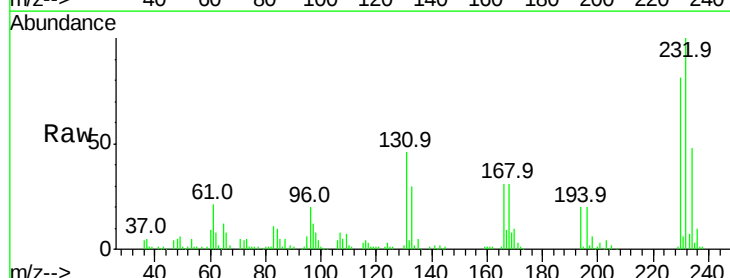
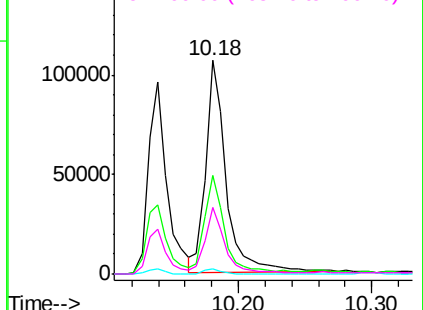
166 28.8 27.8 41.6

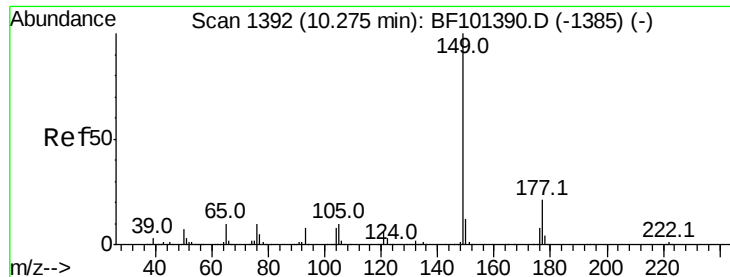
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

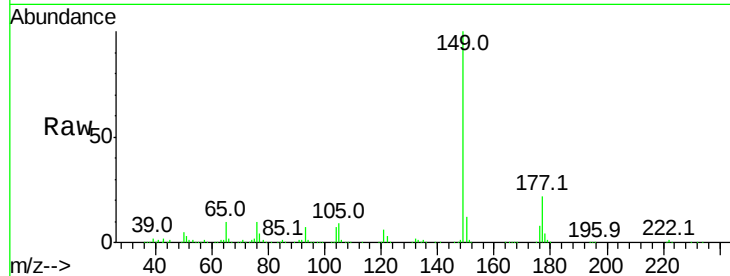




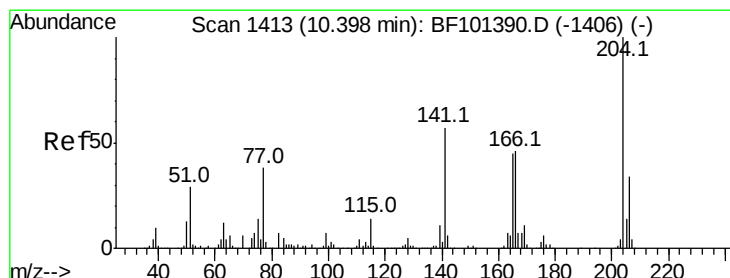
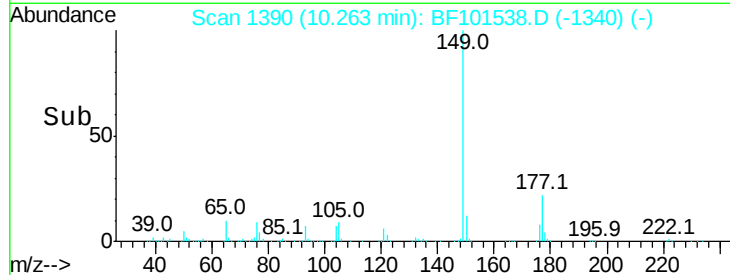
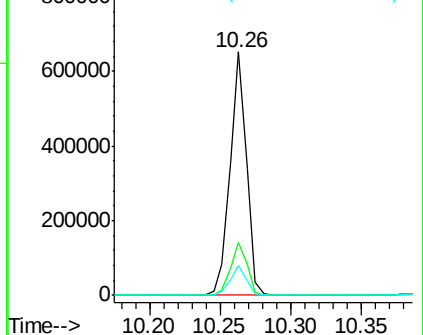
#59
Diethylphthalate
Concen: 36.844 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion:149 Resp: 526073
Ion Ratio Lower Upper
149 100
177 21.8 16.1 24.1
150 12.2 10.1 15.1

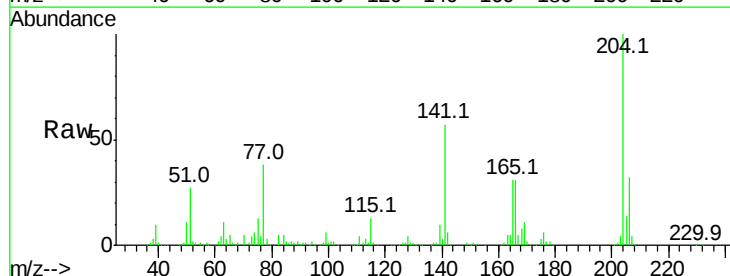


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

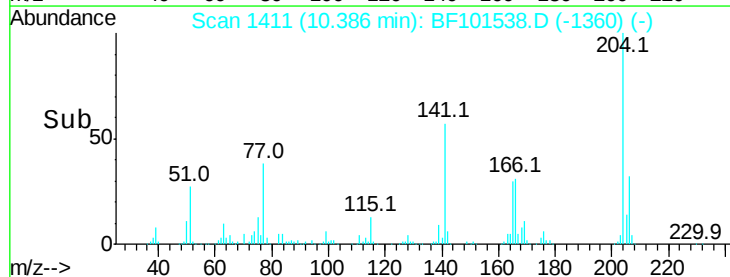
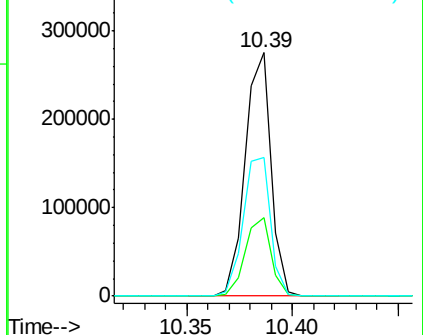


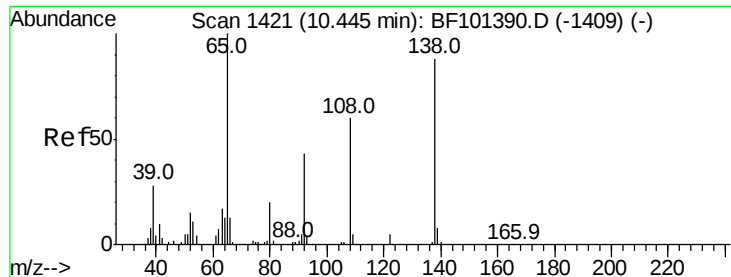
#60
4-Chlorophenyl-phenylether
Concen: 39.411 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:204 Resp: 234383
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 57.1 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 30.271 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

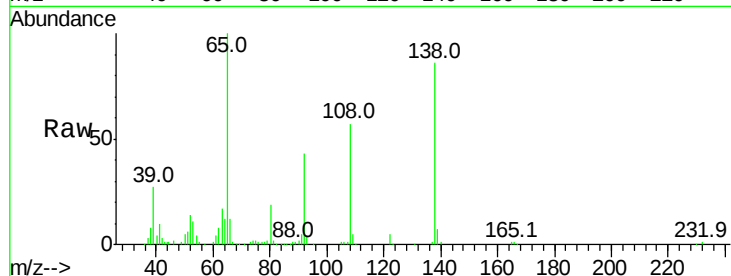
Tot Ion:138 Resp: 111167

Ion Ratio Lower Upper

138 100

92 49.3 30.2 70.2

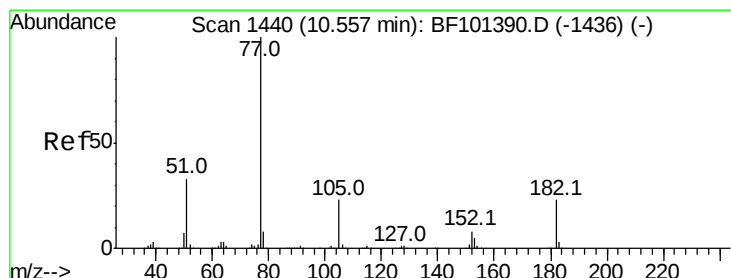
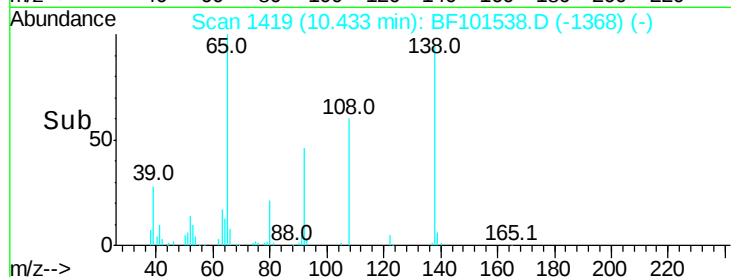
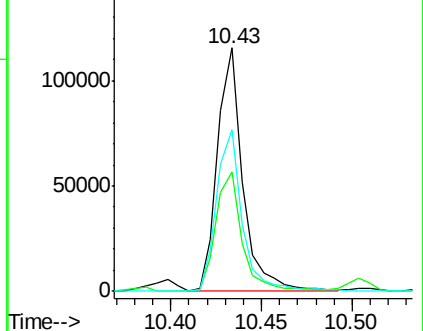
108 66.6 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 35.935 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Tgt Ion: 77 Resp: 531519

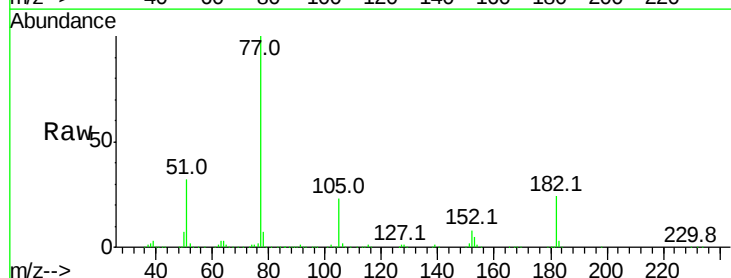
Ion Ratio Lower Upper

77 100

182 23.9 1.7 41.7

105 22.5 3.0 43.0

51 31.7 9.9 49.9

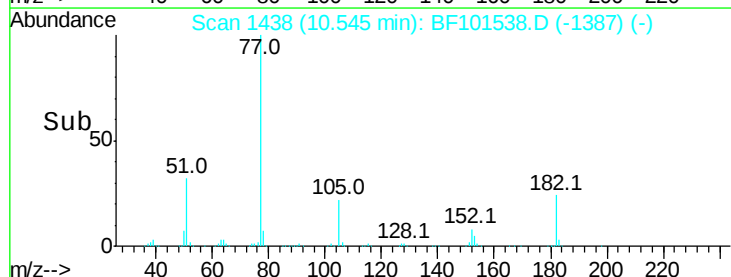
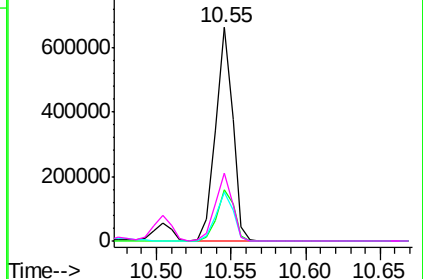


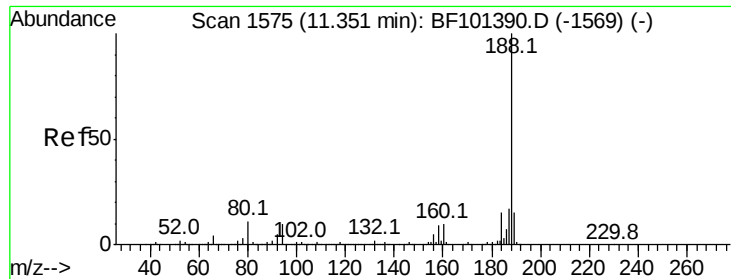
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

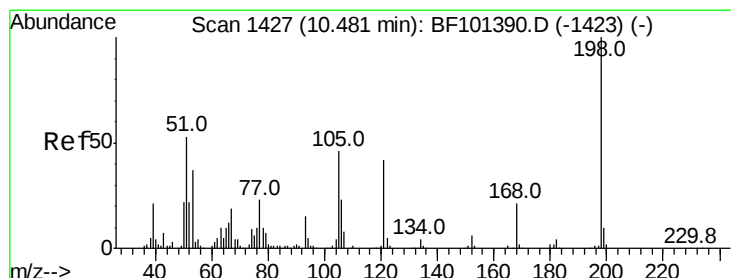
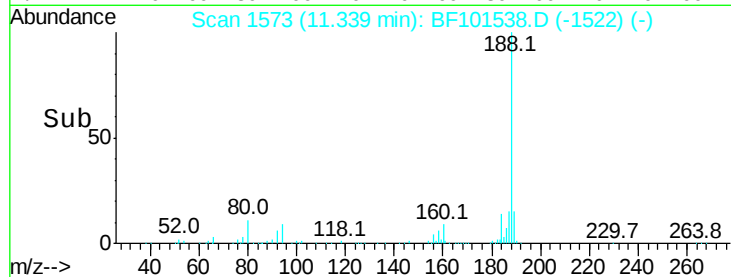
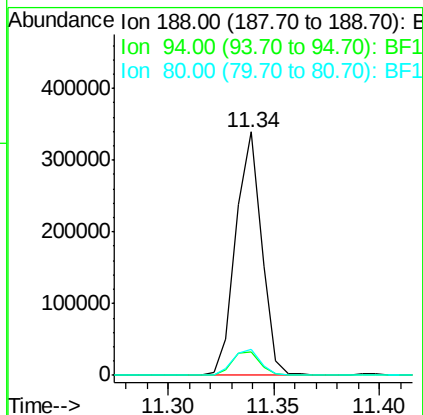
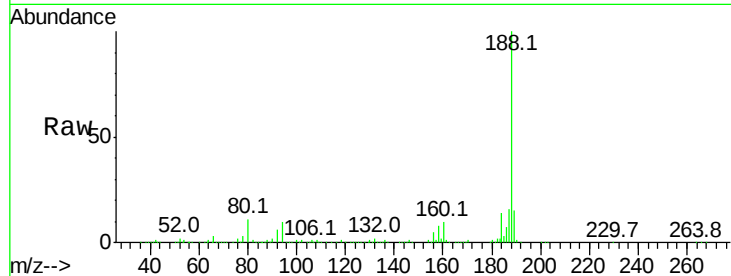




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

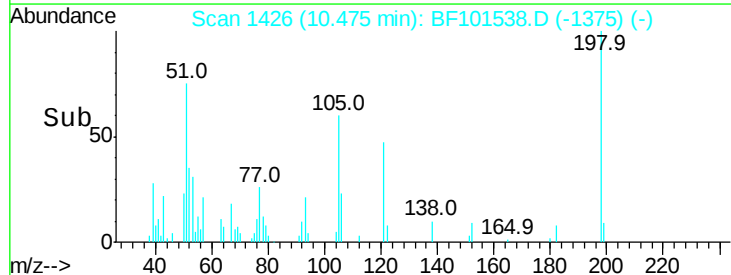
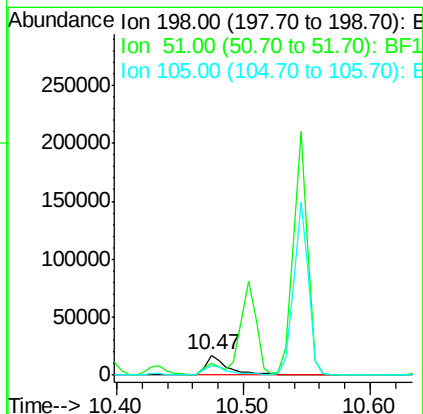
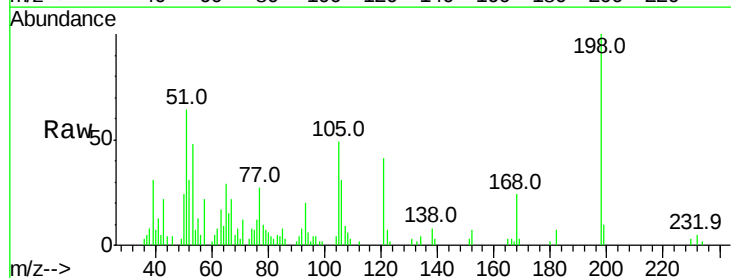
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

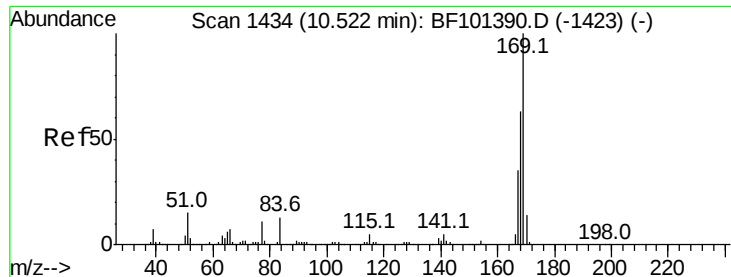
Tot Ion:188 Resp: 286749
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 14.441 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:198 Resp: 21131
Ion Ratio Lower Upper
198 100
51 63.8 37.7 77.7
105 49.2 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 40.699 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

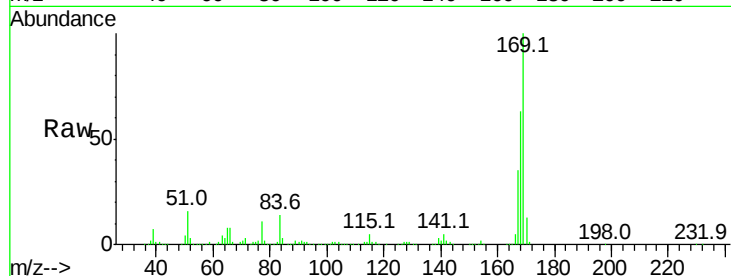
Tot Ion:169 Resp: 430925

Ion Ratio Lower Upper

169 100

168 62.6 54.4 81.6

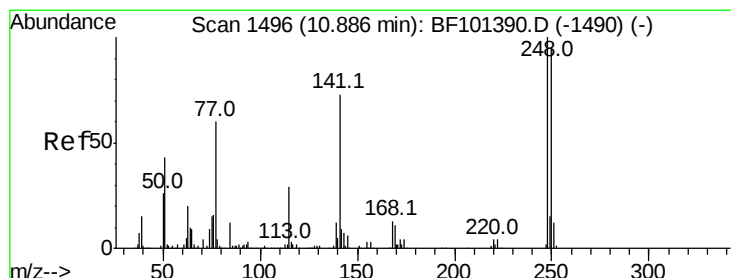
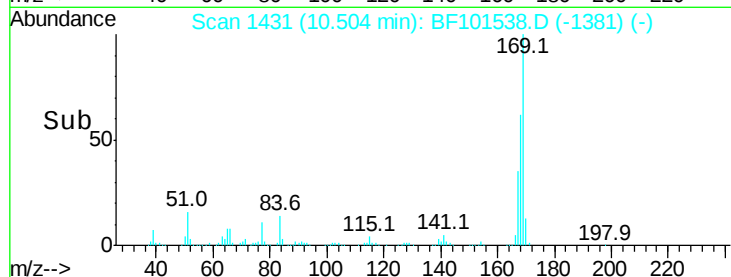
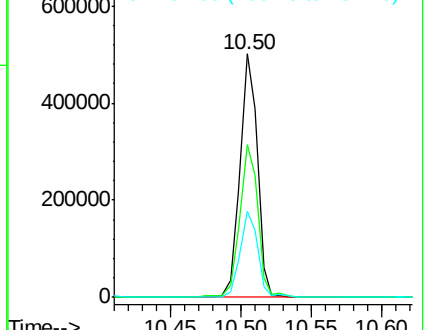
167 35.3 29.8 44.6



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



#66

4-Bromophenyl-phenylether

Concen: 42.952 ng

RT: 10.87 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

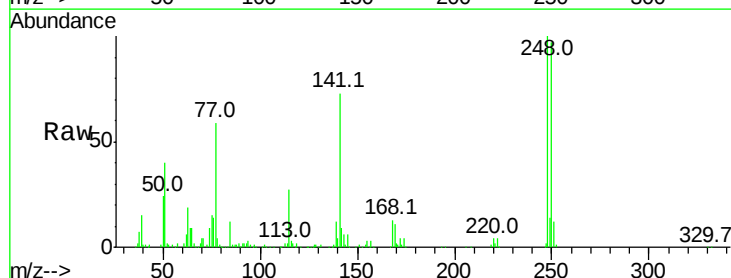
Tgt Ion:248 Resp: 138392

Ion Ratio Lower Upper

248 100

250 96.6 76.9 115.3

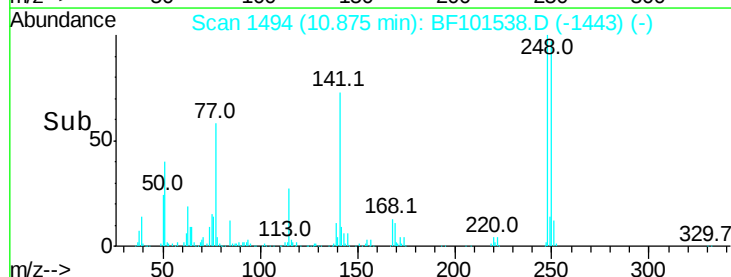
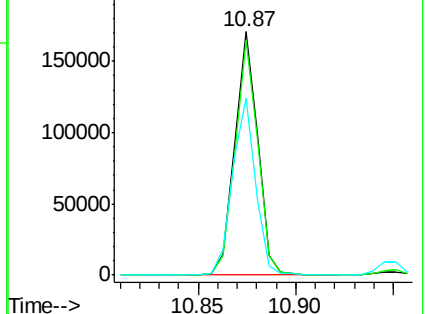
141 72.6 74.4 111.6#

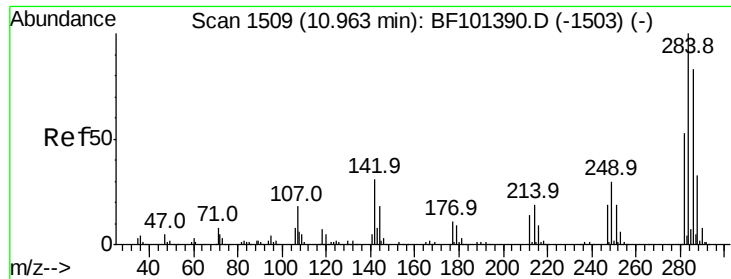


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 39.798 ng

RT: 10.95 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

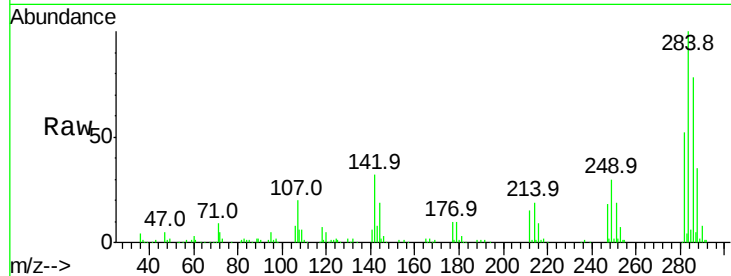
Tot Ion:284 Resp: 135715

Ion Ratio Lower Upper

284 100

142 31.5 34.6 52.0#

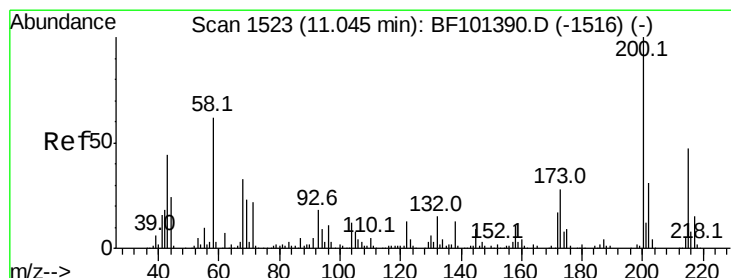
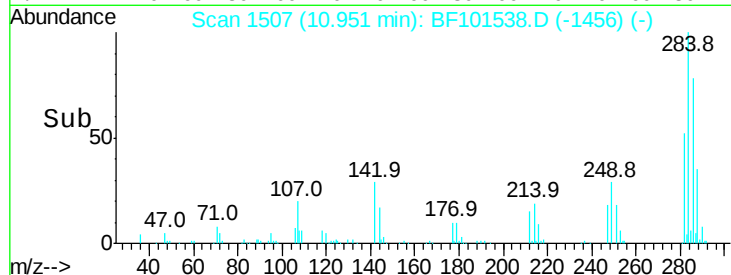
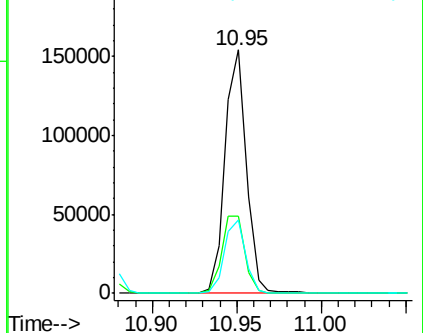
249 30.2 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 42.069 ng

RT: 11.03 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

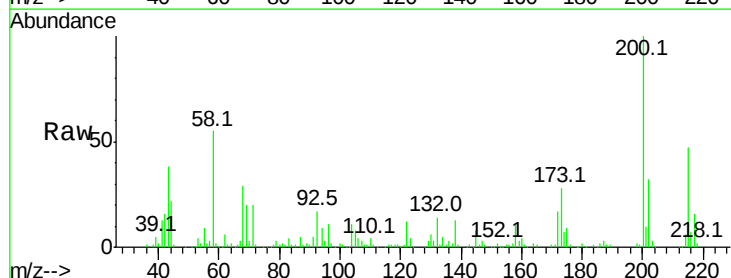
Tgt Ion:200 Resp: 132816

Ion Ratio Lower Upper

200 100

173 28.2 8.6 48.6

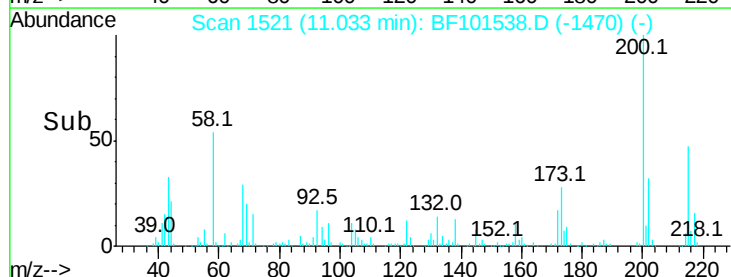
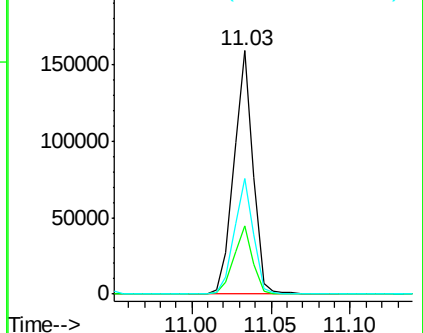
215 47.2 25.1 65.1

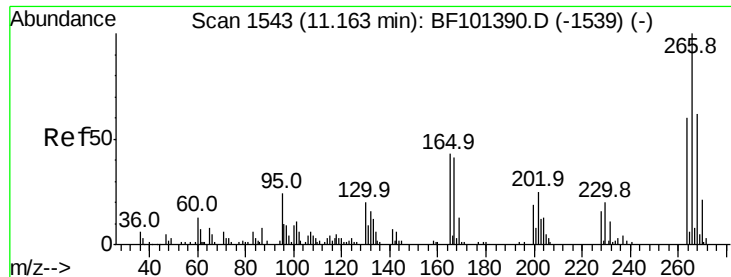


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

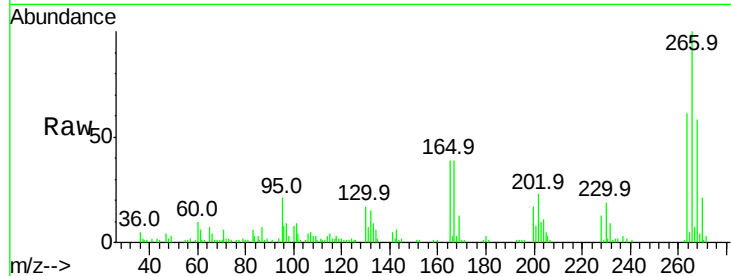




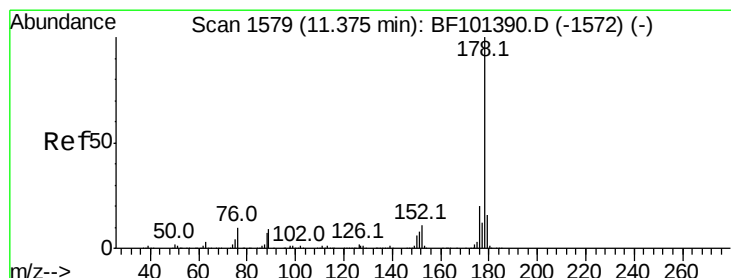
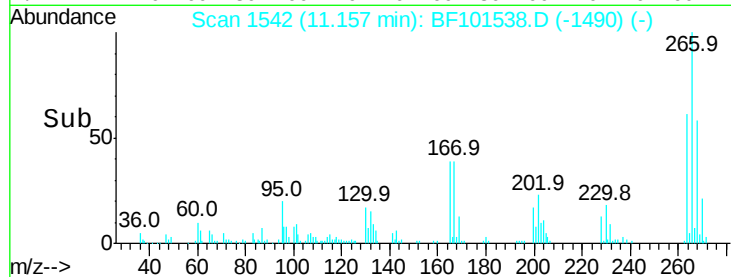
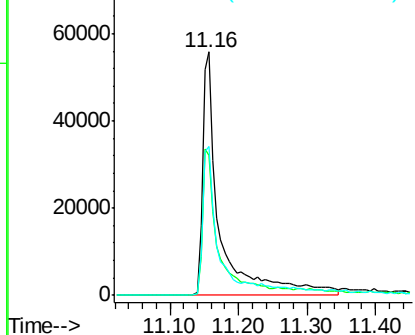
#69
 Pentachlorophenol
 Concen: 76.185 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

Tot Ion:266 Resp: 100577
 Ion Ratio Lower Upper
 266 100
 268 57.7 51.1 76.7
 264 61.0 49.5 74.3

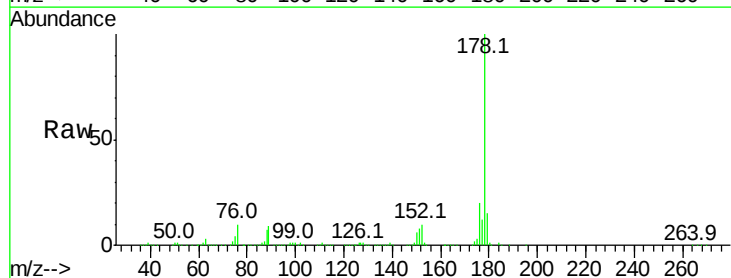


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

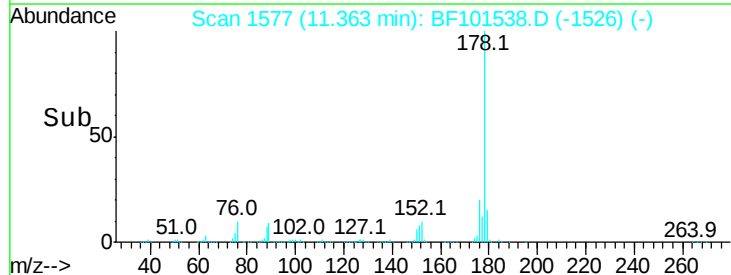
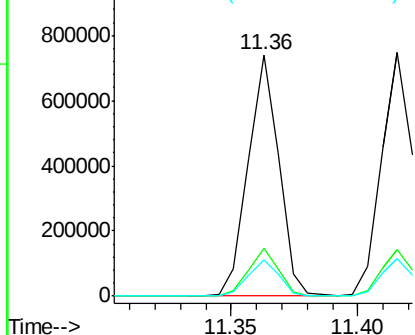


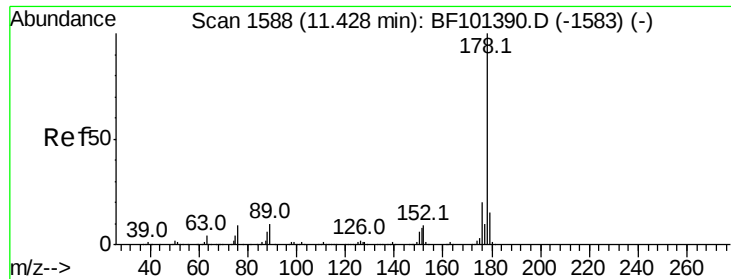
#70
 Phenanthrene
 Concen: 39.341 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion:178 Resp: 627359
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.2 13.0 19.6



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

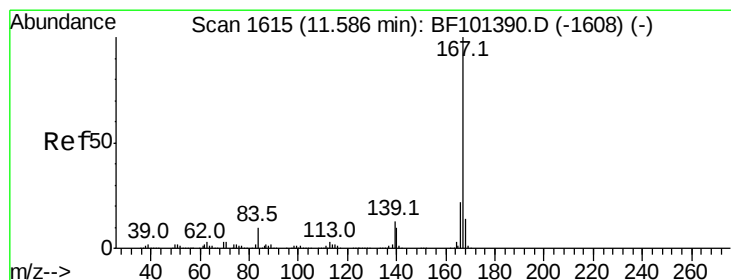
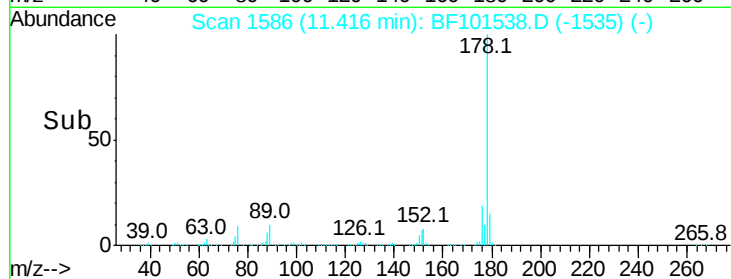
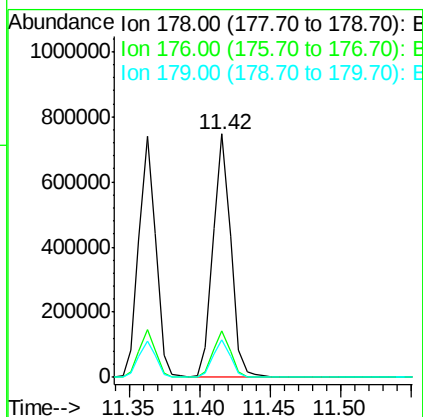
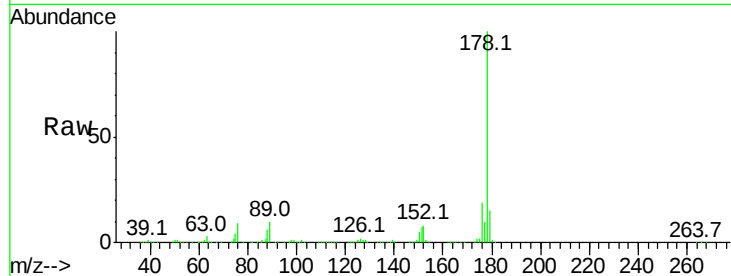




#71
 Anthracene
 Concen: 40.202 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

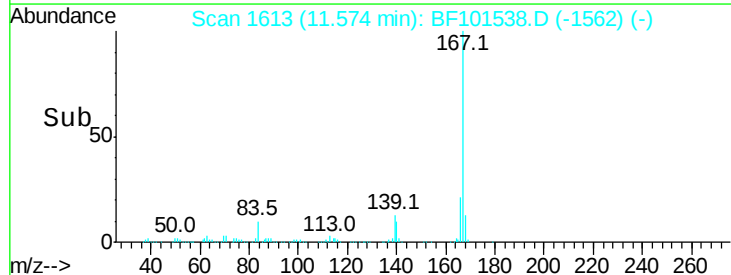
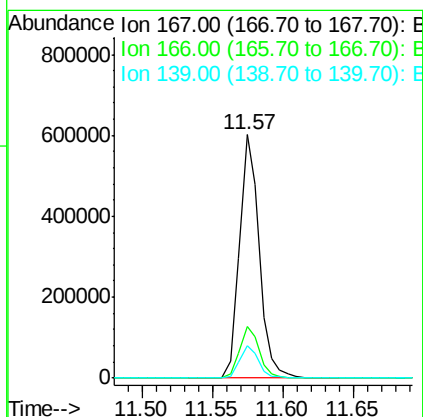
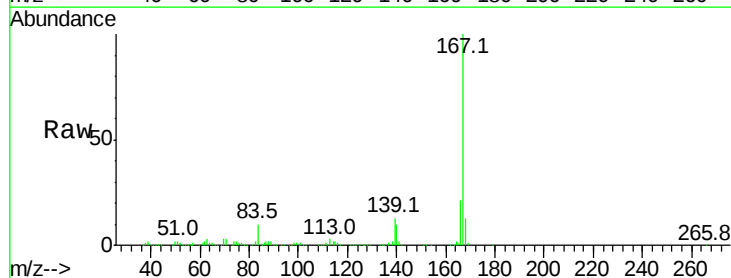
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

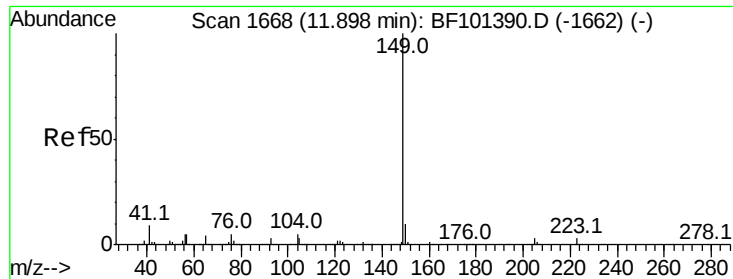
Tot Ion:178 Resp: 654853
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.2 12.6 19.0



#72
 Carbazole
 Concen: 38.359 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion:167 Resp: 585004
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.6 26.4
 139 13.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 39.908 ng

RT: 11.89 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

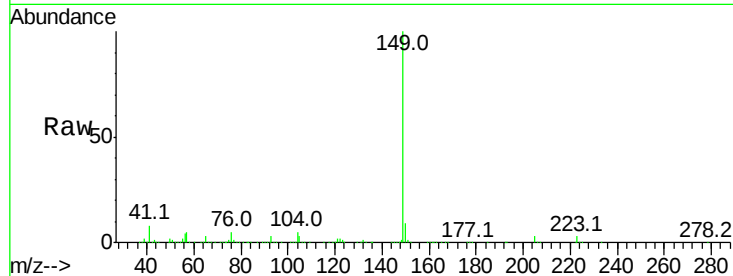
Tot Ion:149 Resp: 738710

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

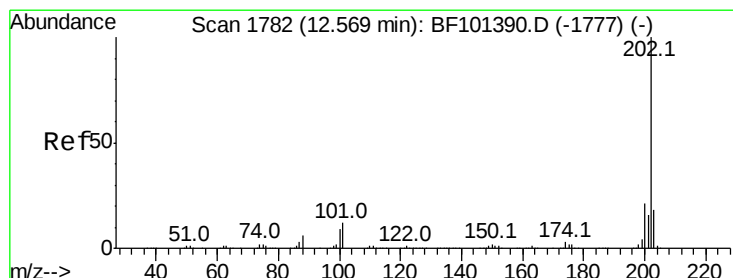
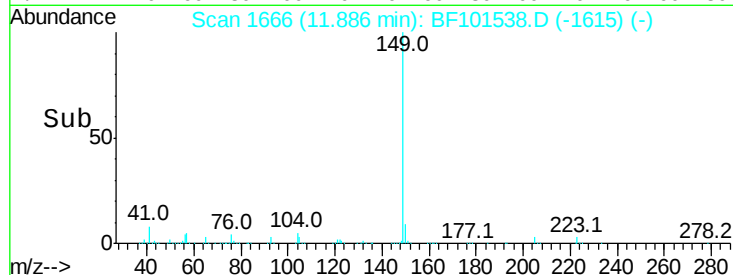
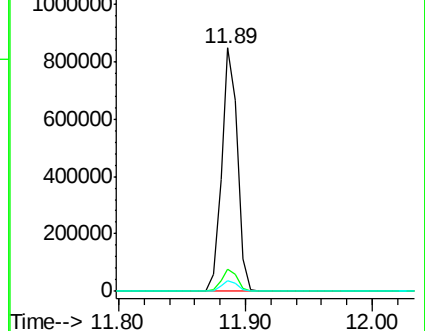
104 4.6 3.8 5.8



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



#74

Fluoranthene

Concen: 42.855 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

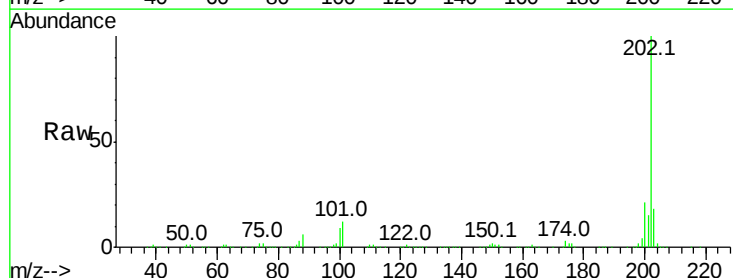
Tgt Ion:202 Resp: 717313

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

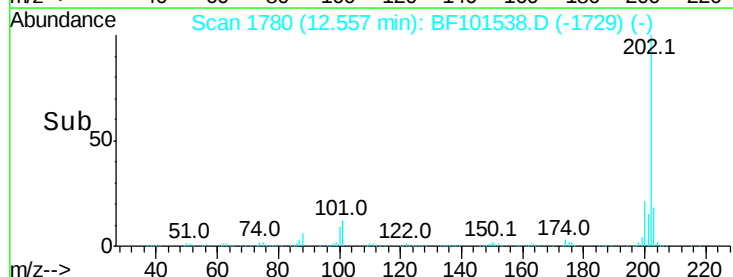
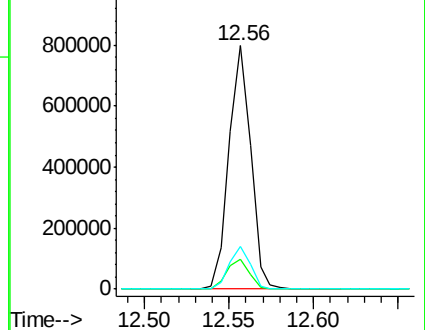
203 17.6 0.0 38.1

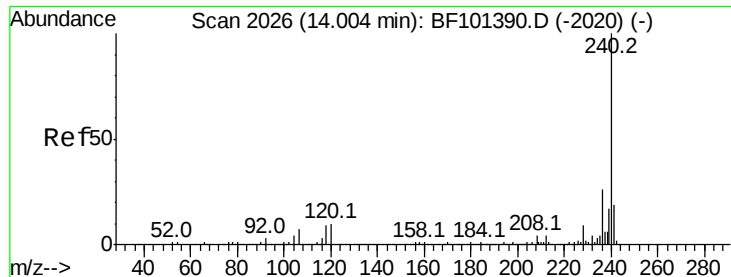


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

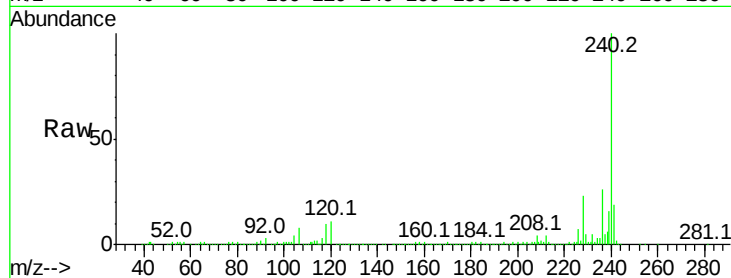
Tot Ion:240 Resp: 283700

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

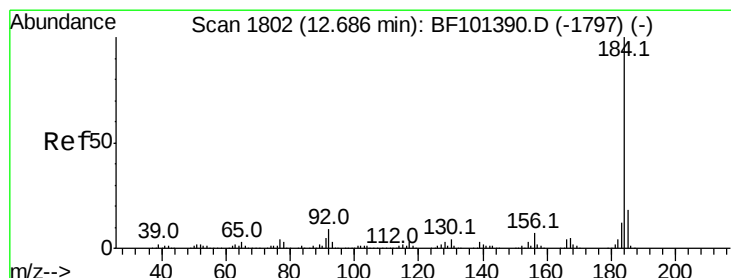
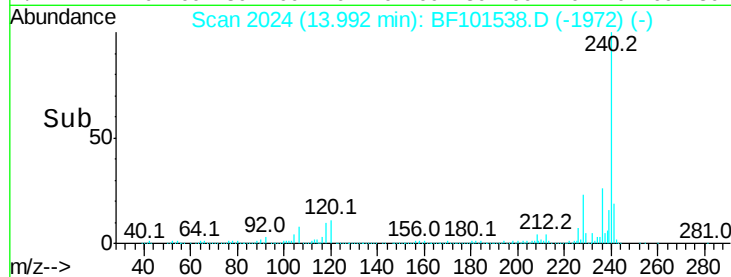
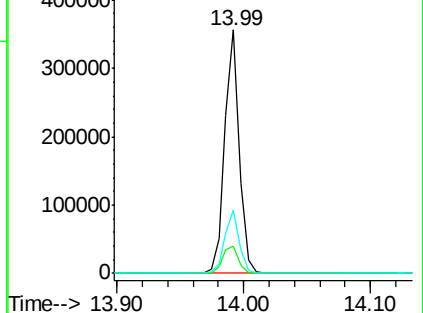
236 26.2 20.7 31.1



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



#76

Benzidine

Concen: 5.027 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

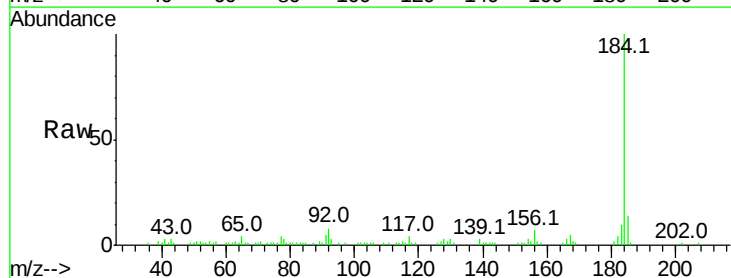
Tgt Ion:184 Resp: 60238

Ion Ratio Lower Upper

184 100

185 13.6 12.6 18.8

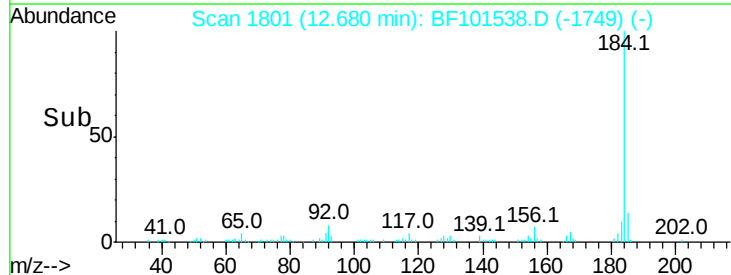
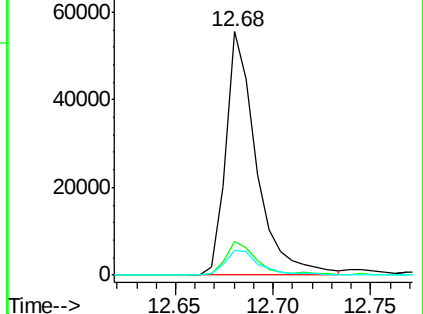
183 10.0 9.3 13.9

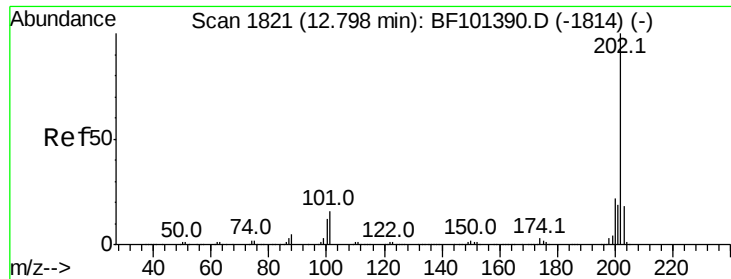


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

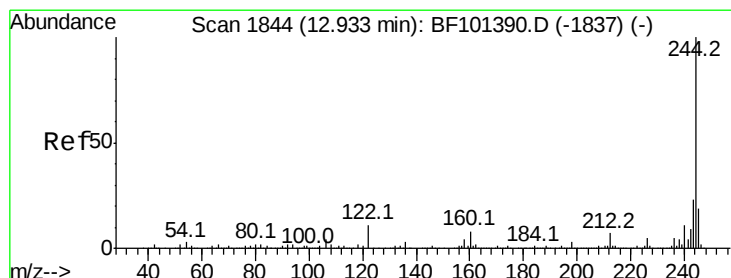
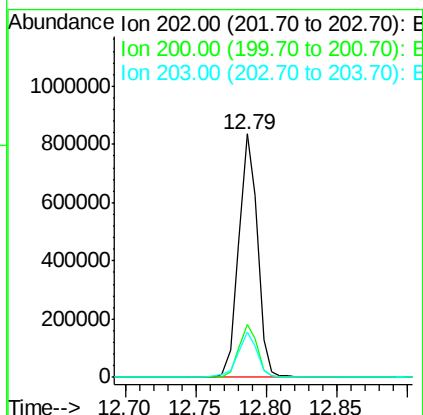
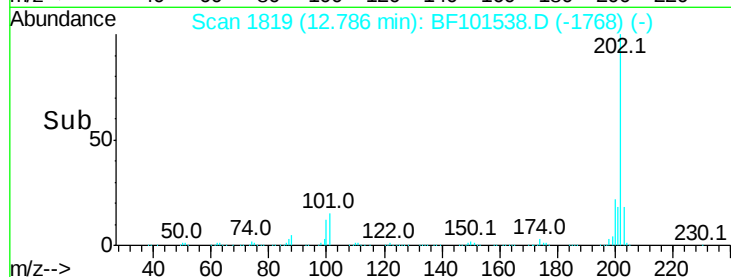
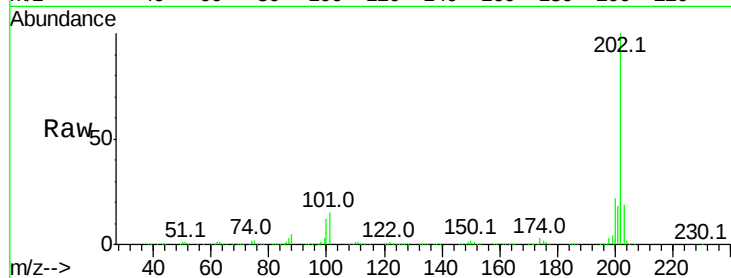




#77
Pvrene
Concen: 36.287 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

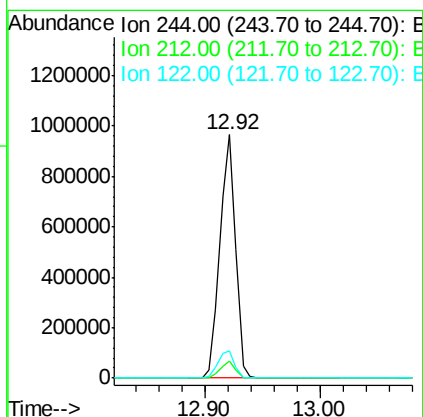
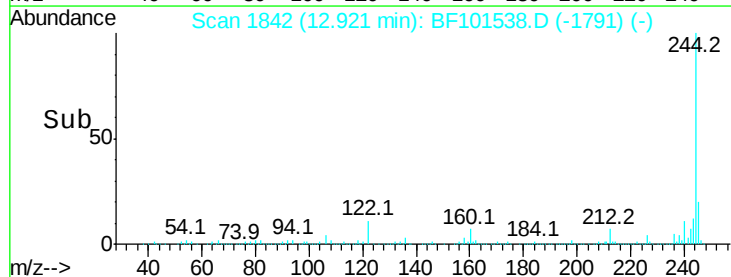
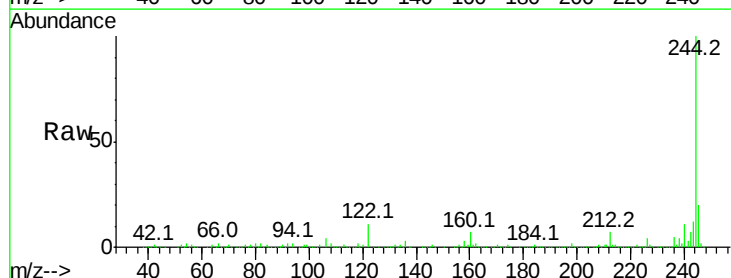
Instrument :
BNA_F
ClientSampled :
72-12000MSD

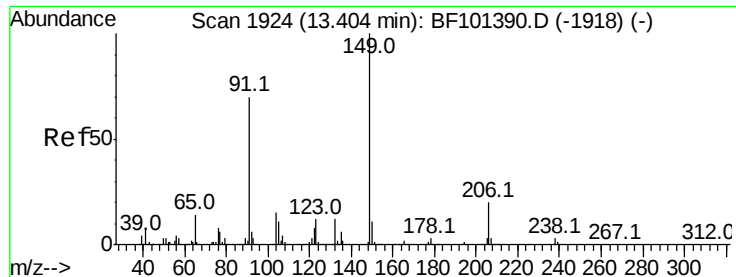
Tot Ion:202 Resp: 772606
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.5 14.3 21.5



#78
Terphenyl-d14
Concen: 77.005 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:244 Resp: 906201
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.0 11.0 16.4

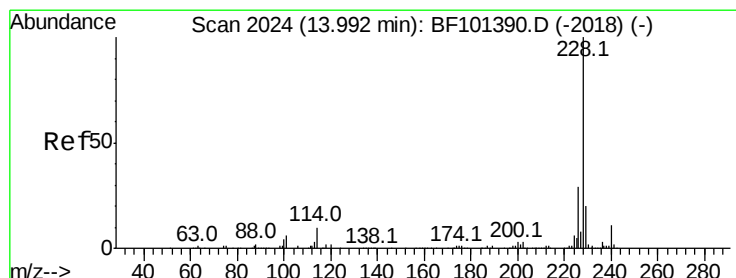
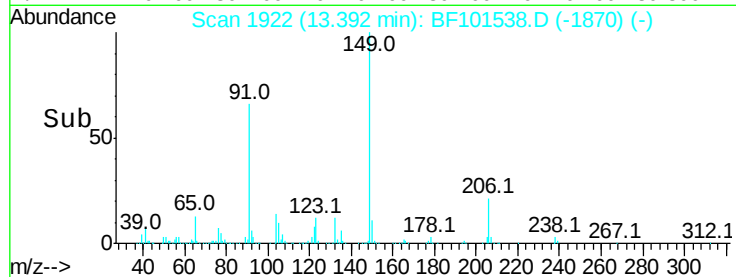
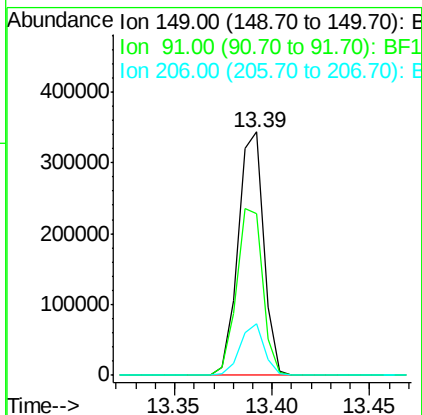
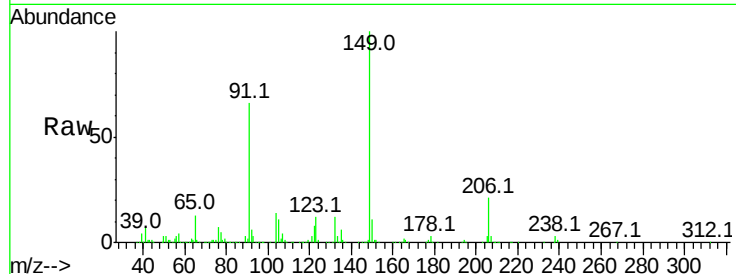




#79
Butylbenzylphthalate
Concen: 32.593 ng
RT: 13.39 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

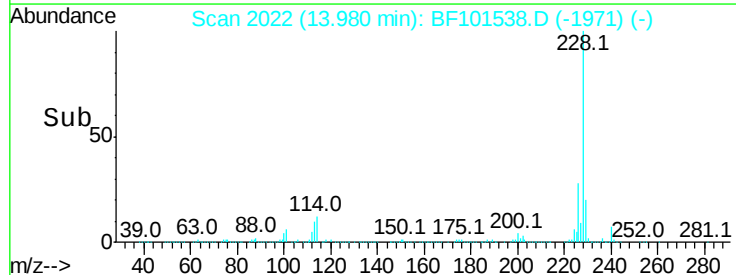
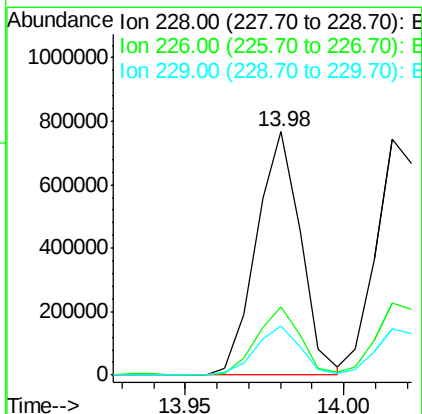
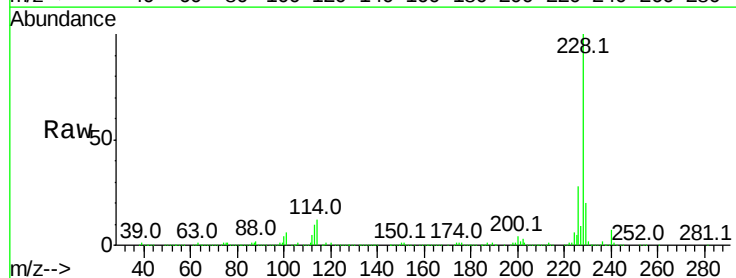
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

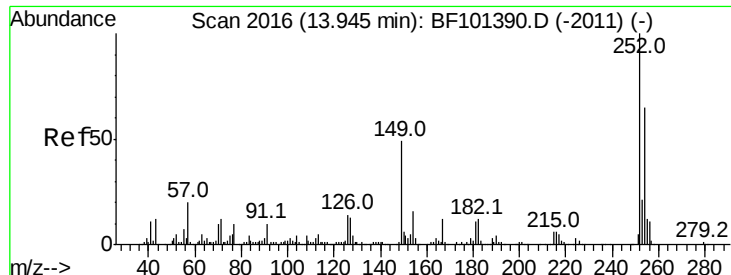
Tot Ion:149 Resp: 313998
Ion Ratio Lower Upper
149 100
91 66.4 56.8 85.2
206 21.0 14.1 21.1



#80
Benzo(a)anthracene
Concen: 39.670 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:228 Resp: 743140
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 20.1 15.8 23.6

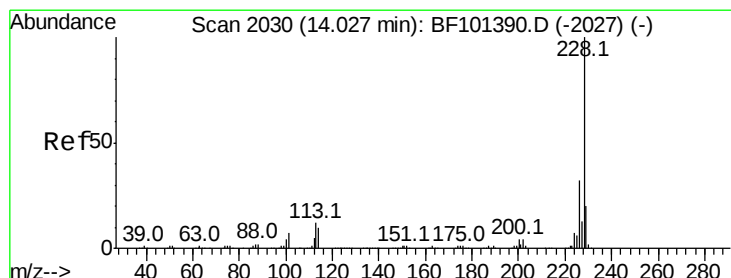
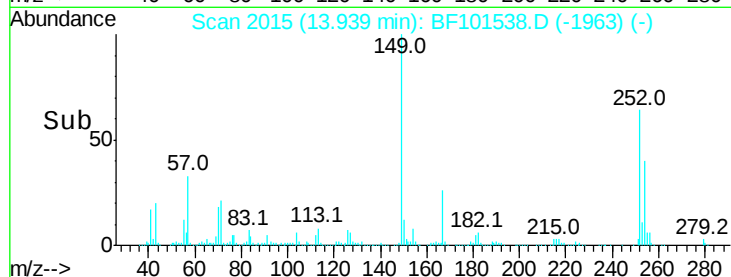
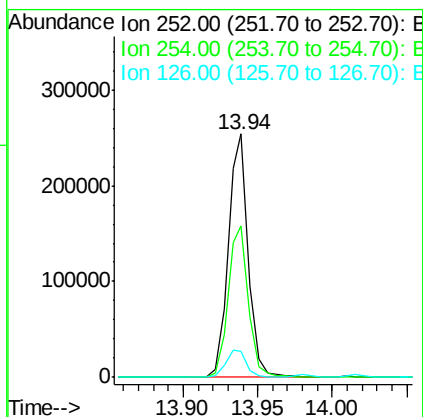
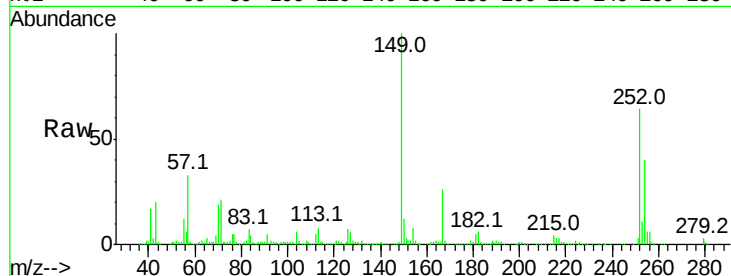




#81
 3,3'-Dichlorobenzidine
 Concen: 39.334 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

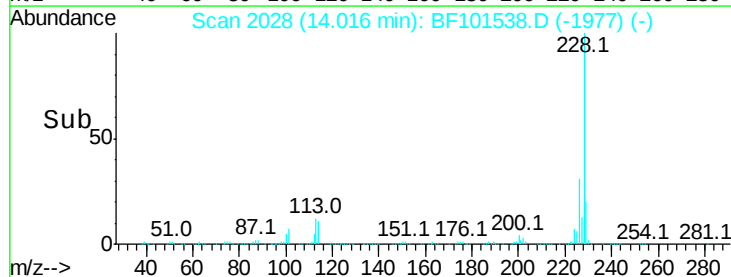
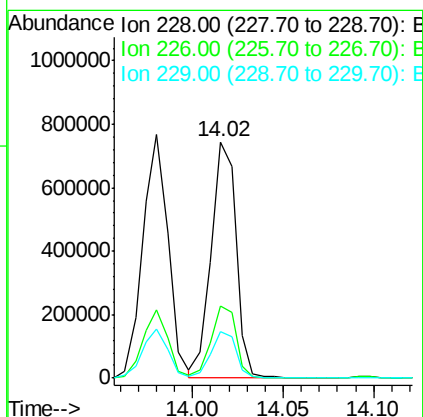
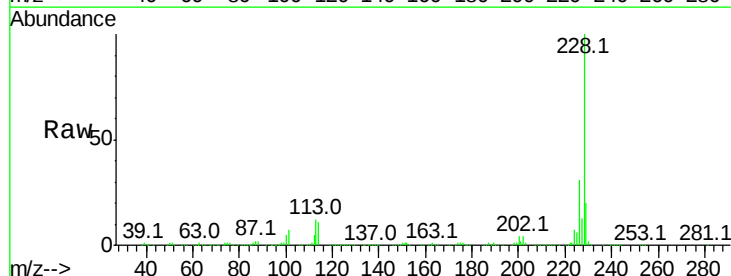
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

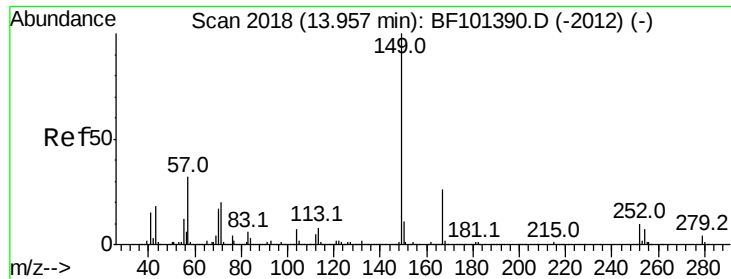
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.4	50.4	75.6
126	10.7	11.3	16.9#



#82
 Chrysene
 Concen: 40.186 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	19.9	16.2	24.4

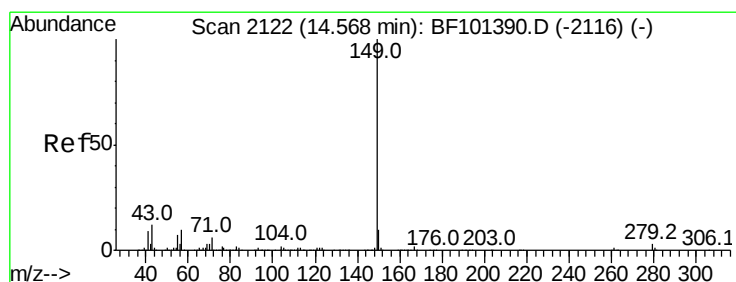
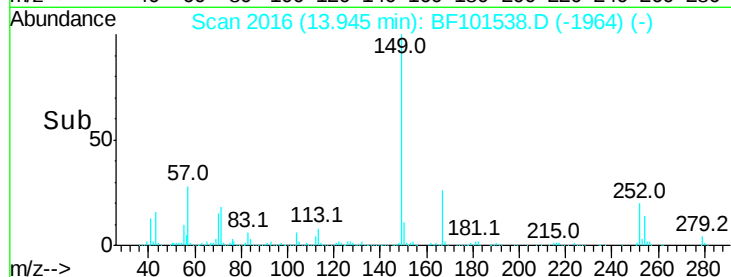
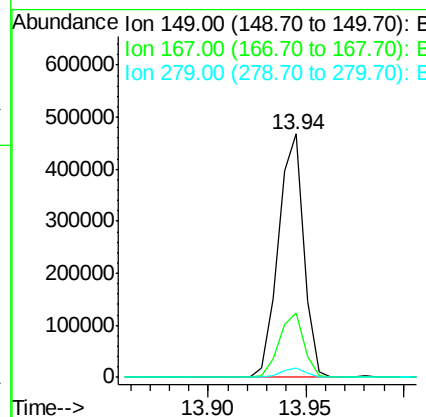
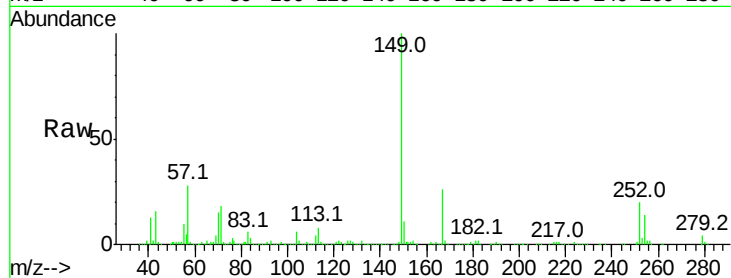




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.457 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

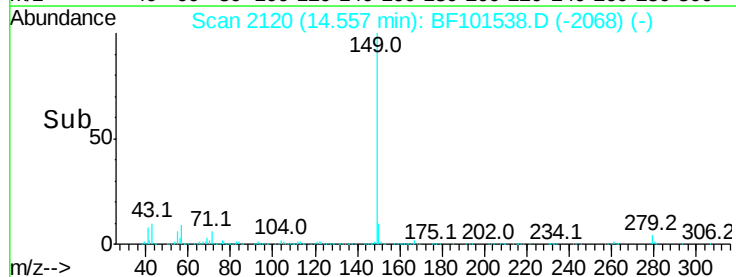
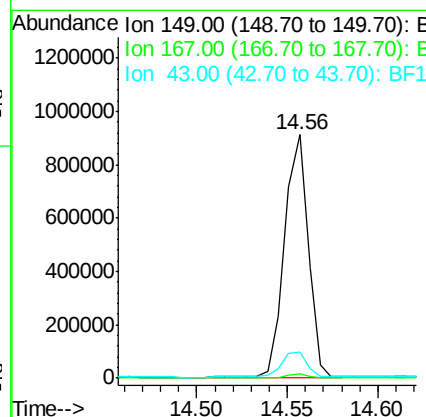
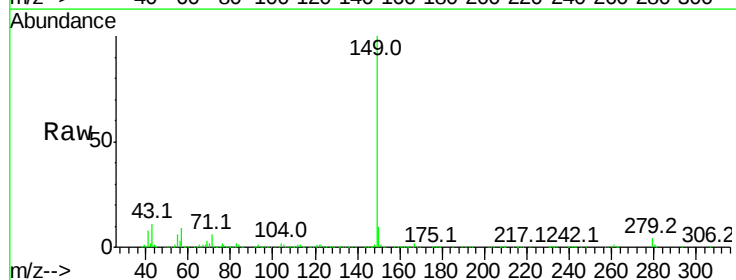
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

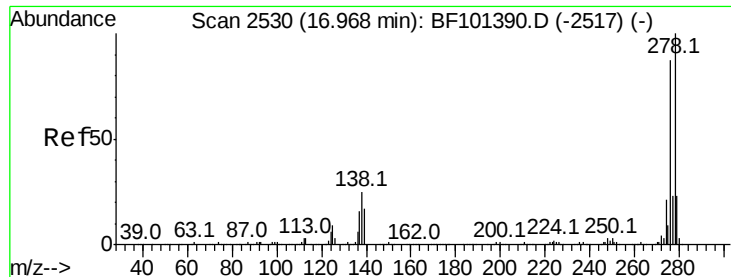
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	4.0	3.0	4.4



#84
 Di-n-octyl phthalate
 Concen: 38.451 ng
 RT: 14.56 min Scan# 2120
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	8.4	12.6

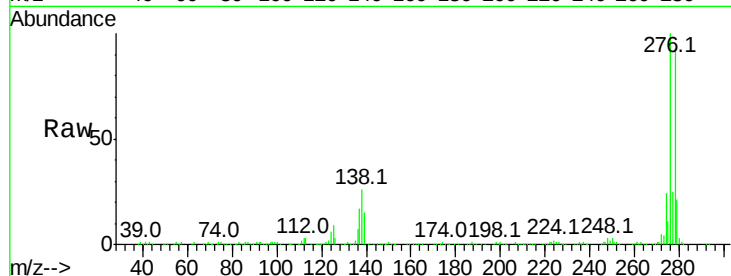




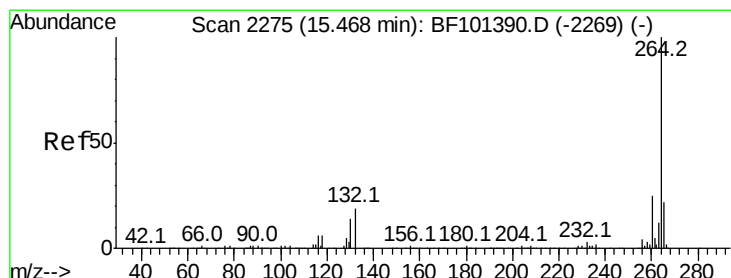
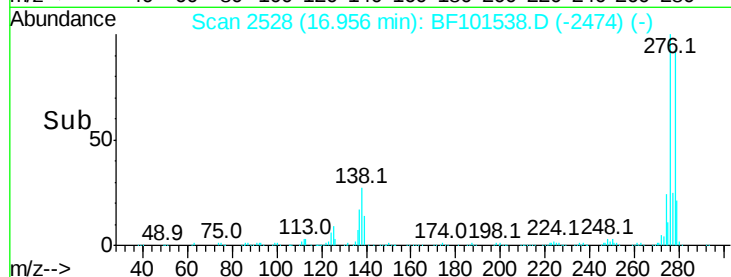
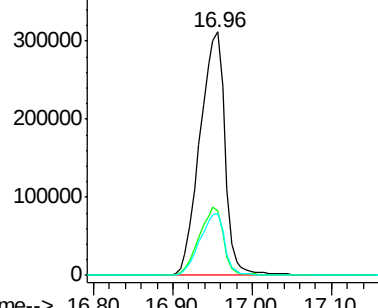
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.457 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.02 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	25.3	20.1	30.1

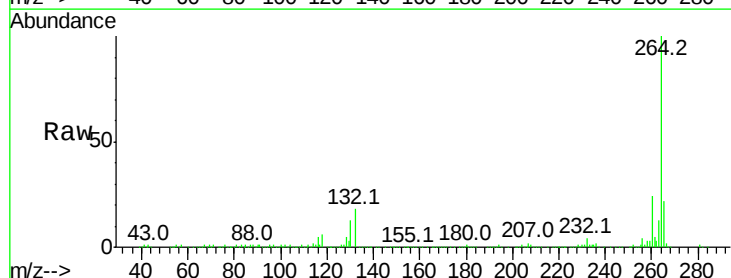


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

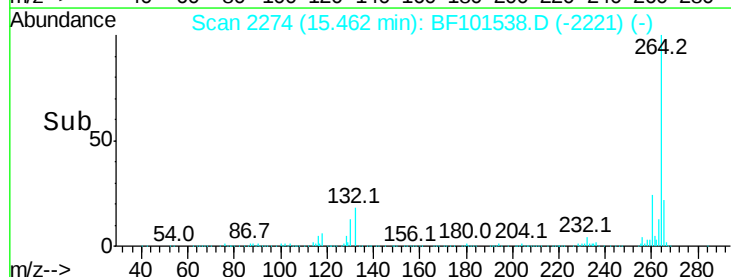
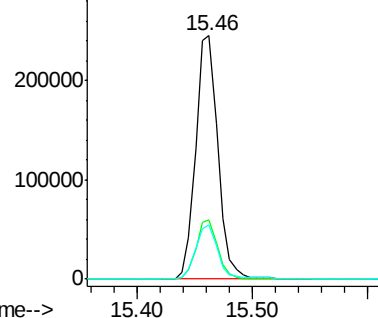


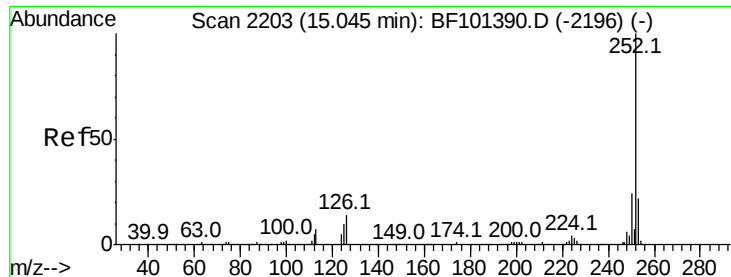
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

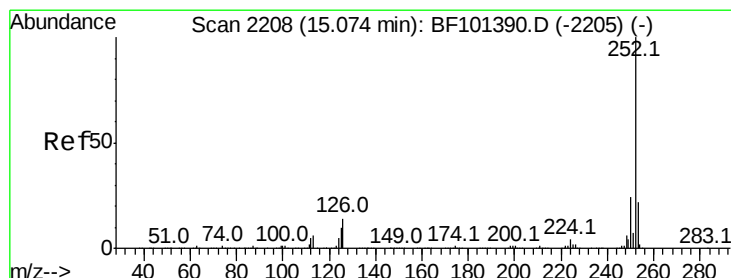
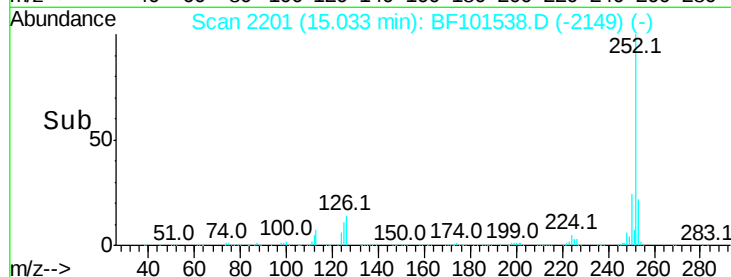
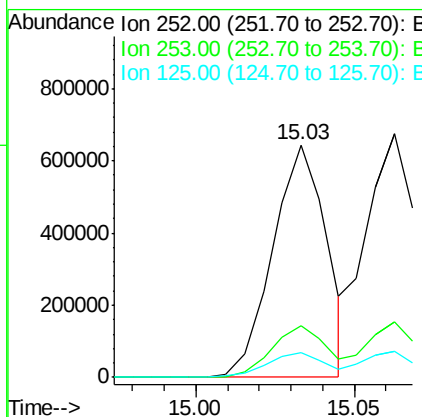
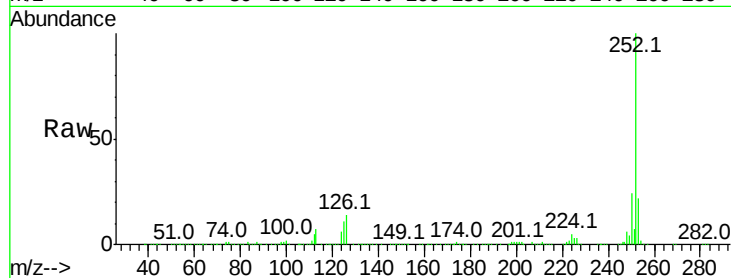




#87
Benzo(b)fluoranthene
Concen: 38.209 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

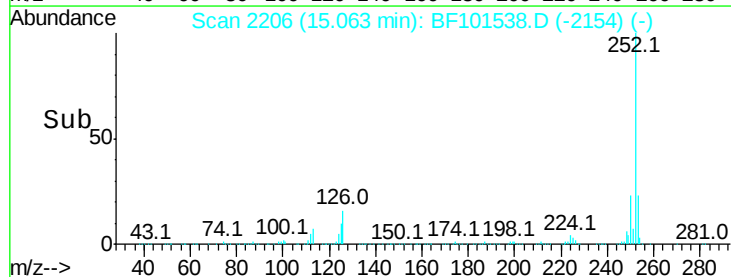
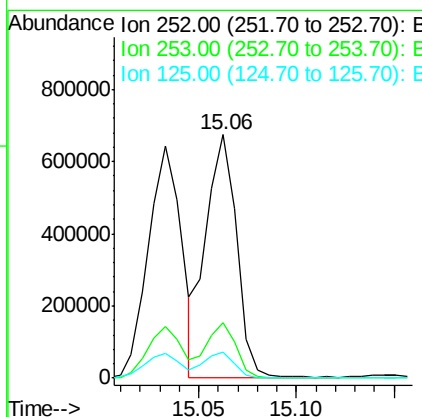
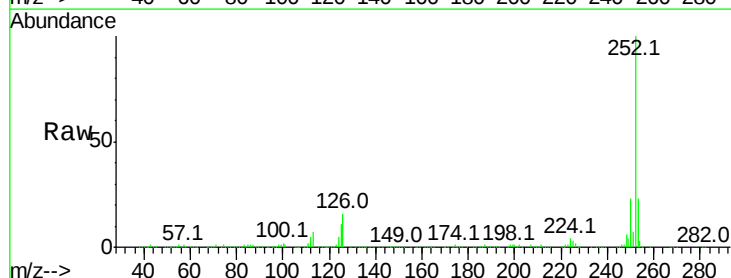
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

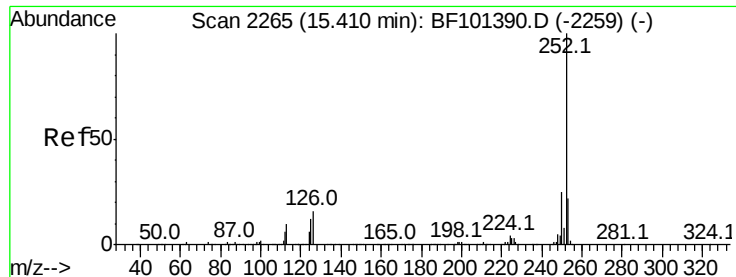
Tot Ion:252 Resp: 762754
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 10.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 37.975 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:252 Resp: 737062
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.6 10.2 15.2





#89

Benzo(a)pyrene

Concen: 39.578 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

Instrument :

BNA_F

ClientSampleId :

72-12000MSD

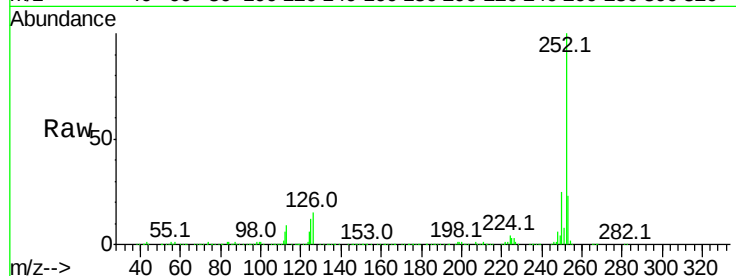
Tot Ion:252 Resp: 728347

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

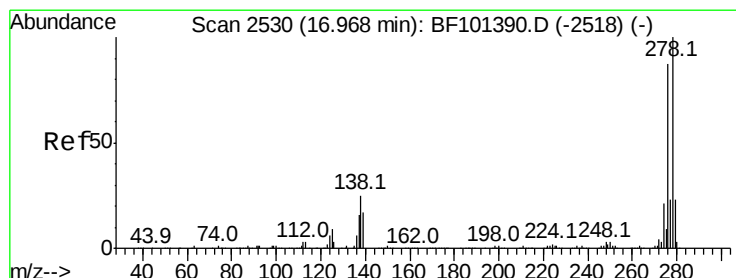
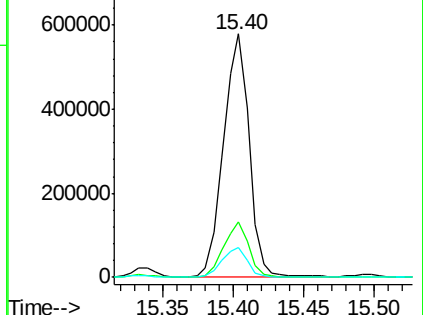
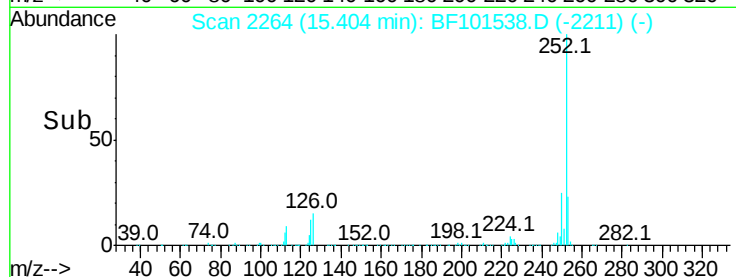
125 12.1 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 36.893 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.01 min

Lab File: BF101538.D

Acq: 19 Dec 2017 22:24

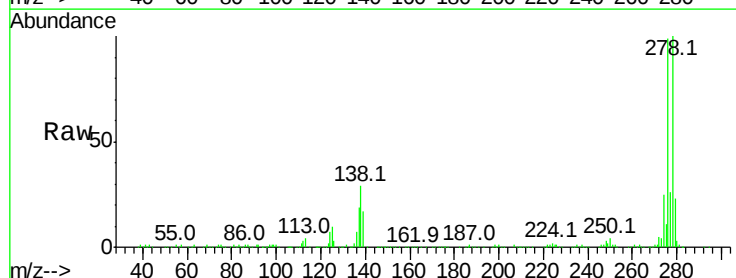
Tgt Ion:278 Resp: 582917

Ion Ratio Lower Upper

278 100

139 17.4 15.9 23.9

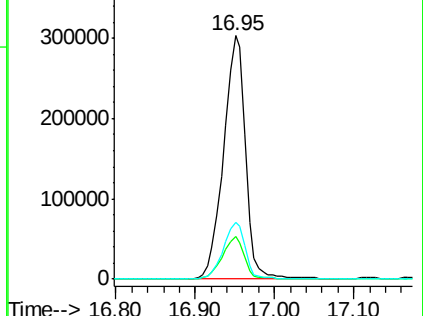
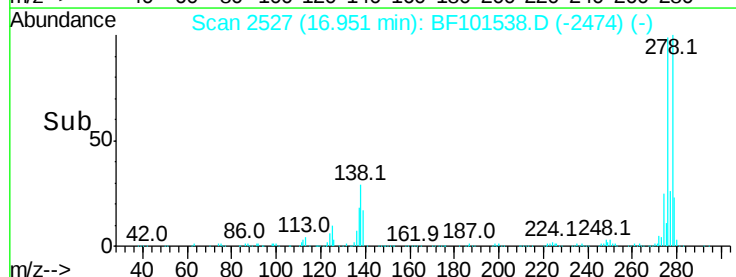
279 23.3 19.0 28.4

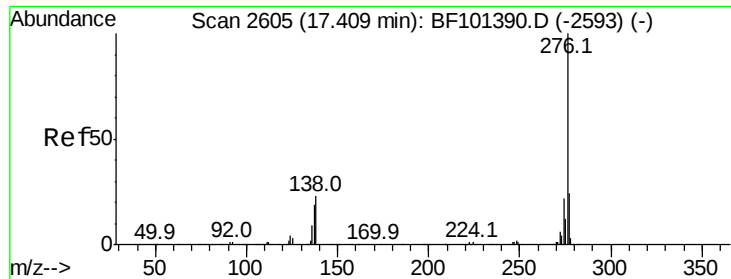


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
Benzo(a,h,i)perylene
Concen: 35.462 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.02 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion:276 Resp: 554830
Ion Ratio Lower Upper
276 100
277 23.6 17.9 26.9
138 24.5 21.8 32.8

