

Data Path : Z:\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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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

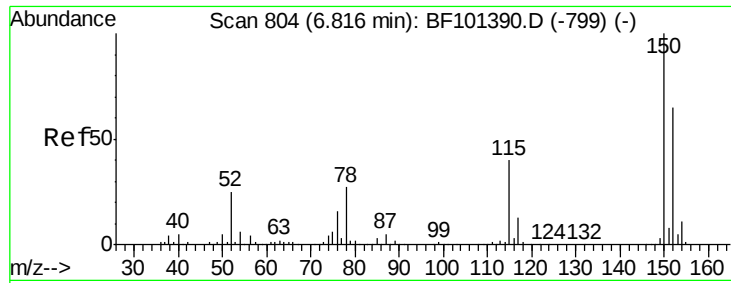
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 Response via : Initial Calibration

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

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

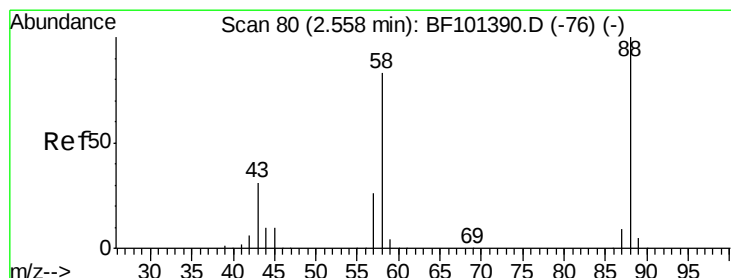
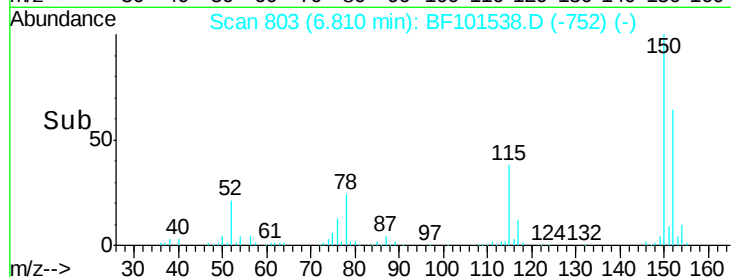
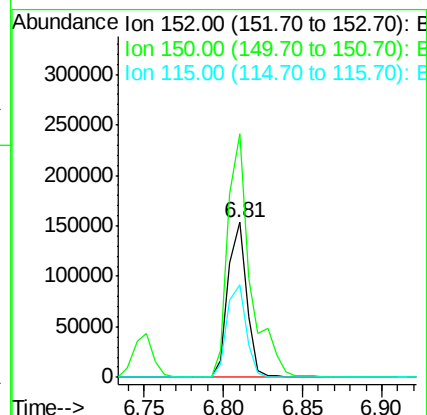
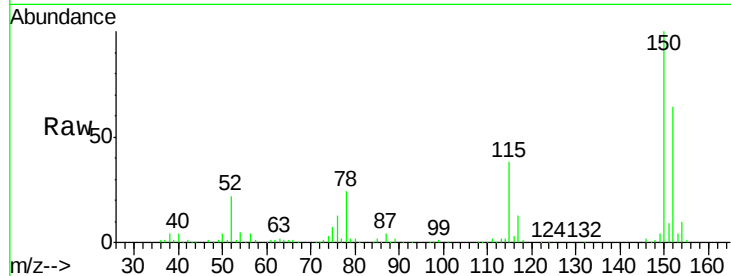


#1

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

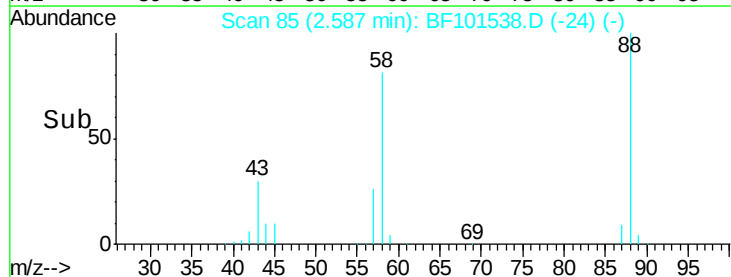
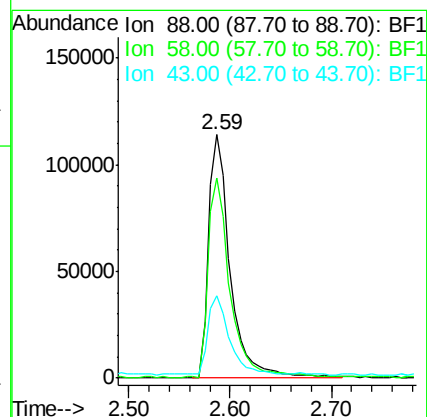
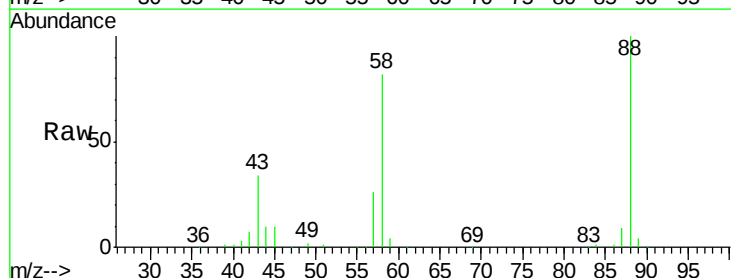
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Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 59.4 50.1 75.1

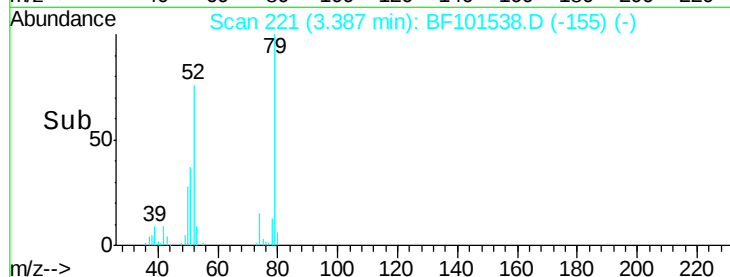
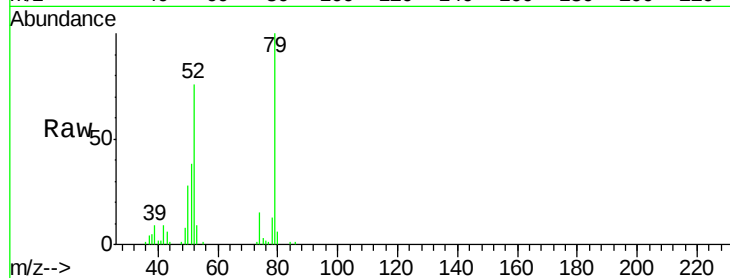
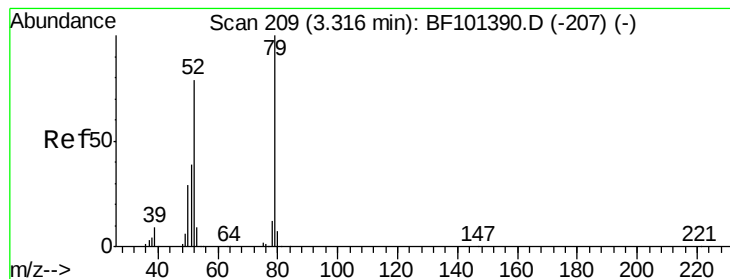


#2

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

Pvridine

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

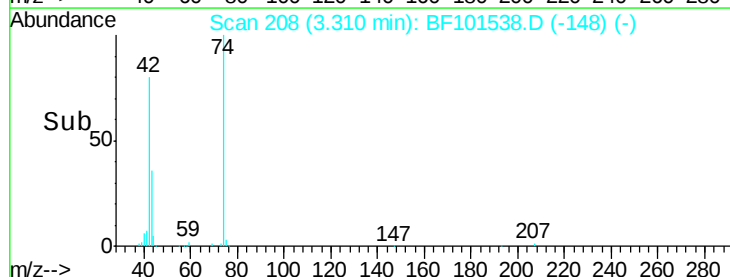
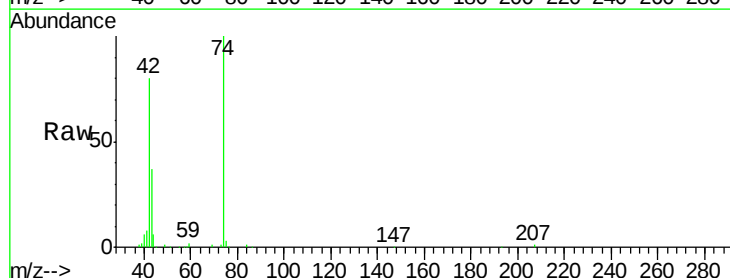
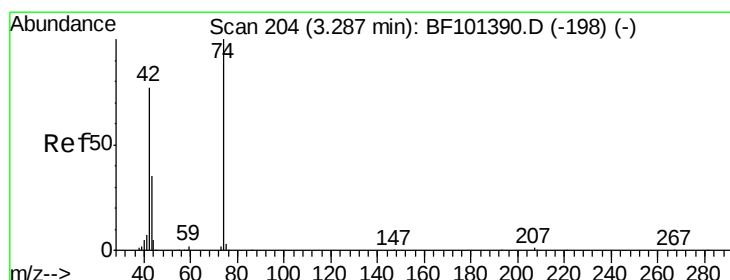
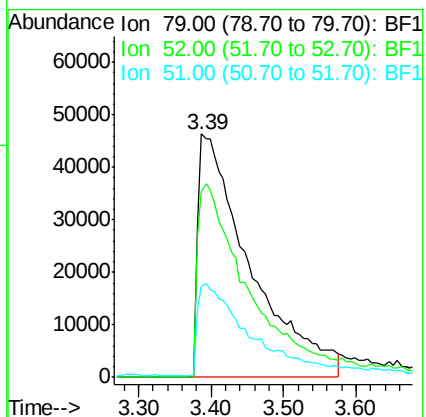
Tot Ion: 79 Resp: 231689

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

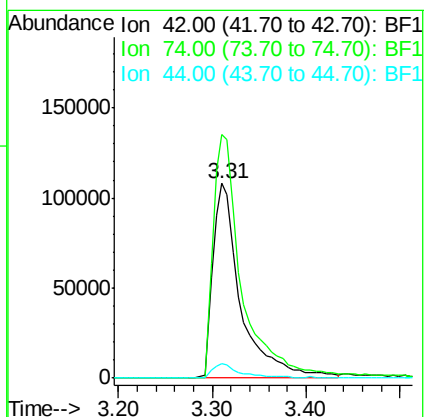
Tgt Ion: 42 Resp: 225397

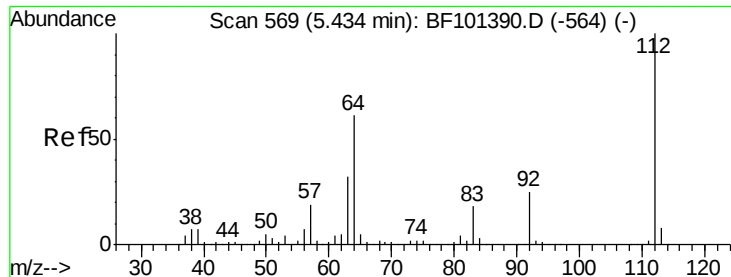
Ion Ratio Lower Upper

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

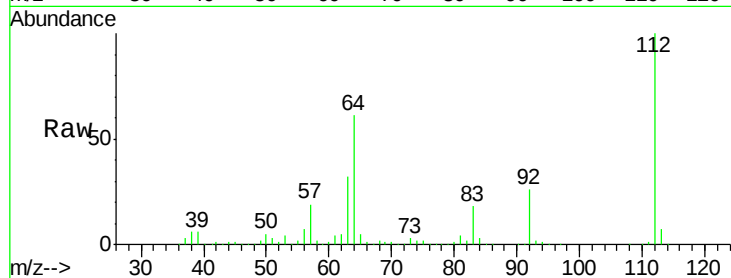
Tot Ion:112 Resp: 1009467

Ion Ratio Lower Upper

112 100

64 60.6 47.9 71.9

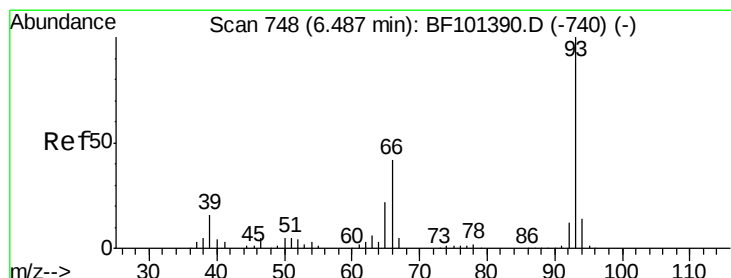
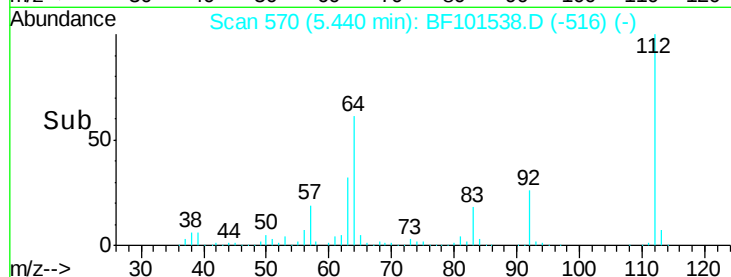
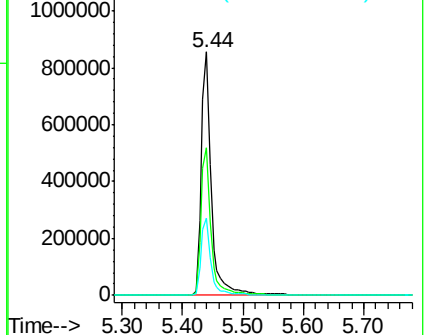
63 31.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

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

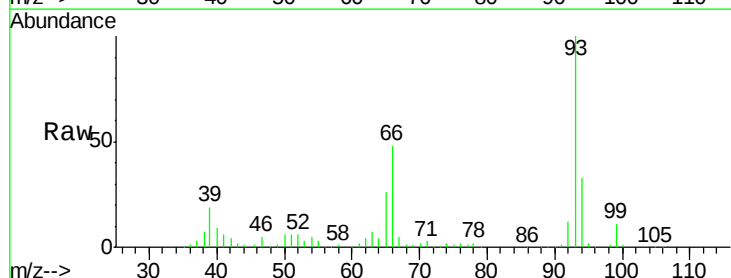
Tgt Ion: 93 Resp: 328727

Ion Ratio Lower Upper

93 100

66 48.5 32.2 48.2#

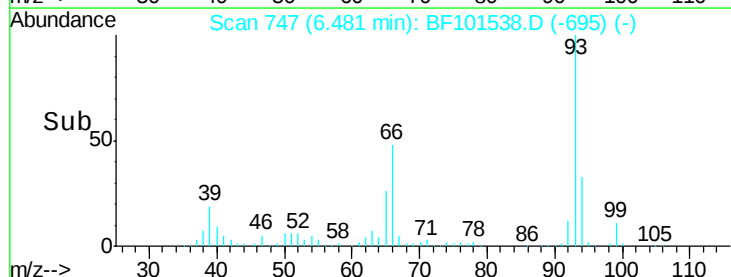
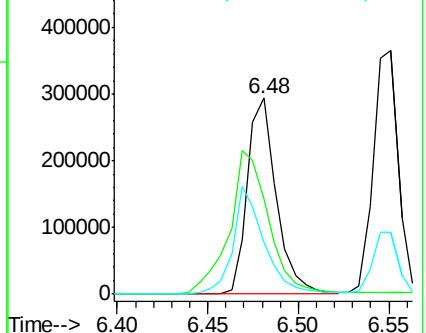
65 26.3 16.4 24.6#

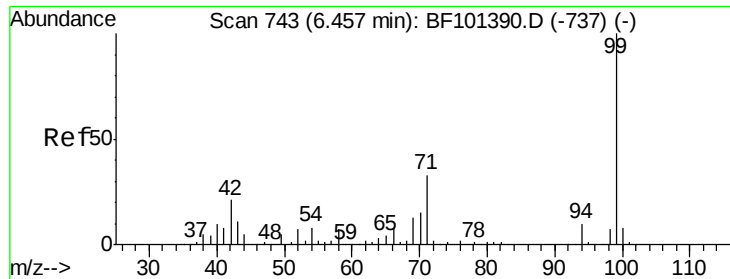


Abundance Ion 93.00 (92.70 to 93.70): BF1

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 :

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ClientSampleId :

72-12000MSD

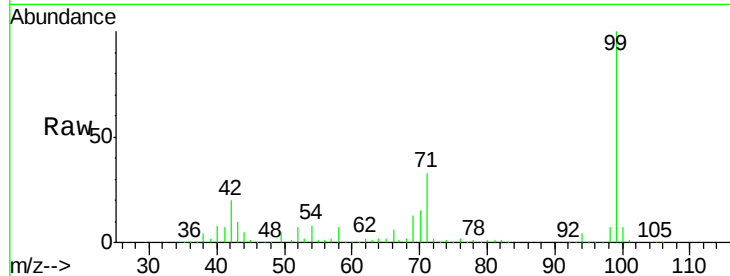
Tot Ion: 99 Resp: 1084900

Ion Ratio Lower Upper

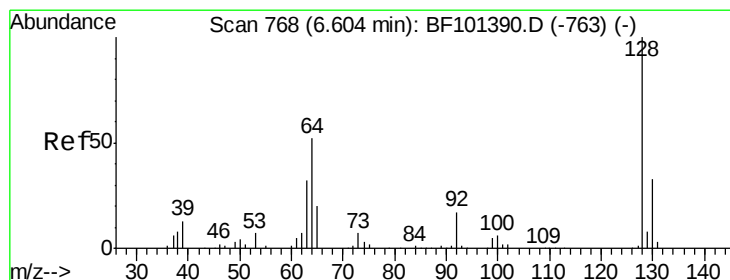
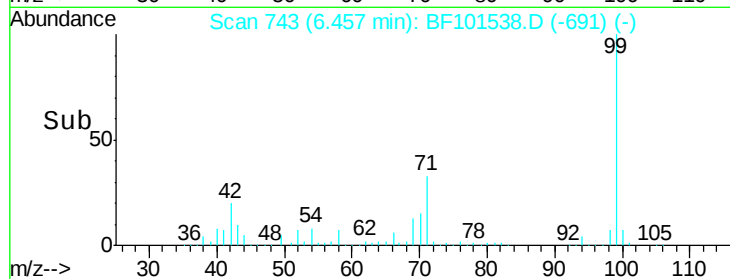
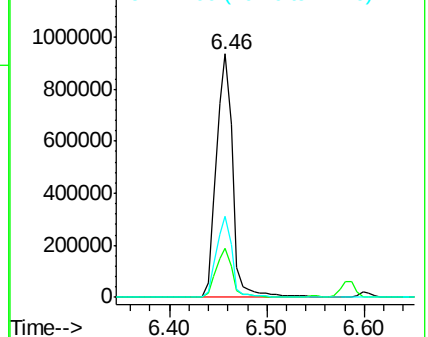
99 100

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

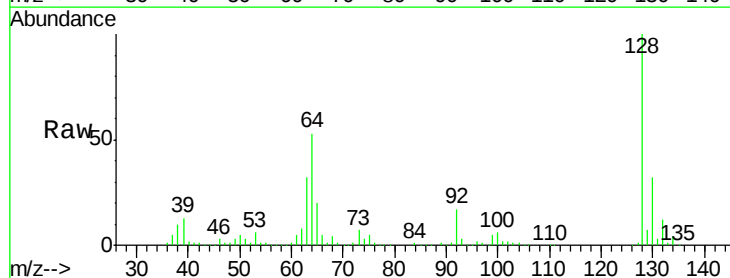
Tgt Ion: 128 Resp: 334651

Ion Ratio Lower Upper

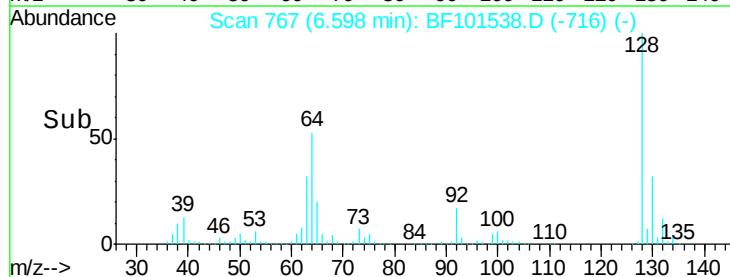
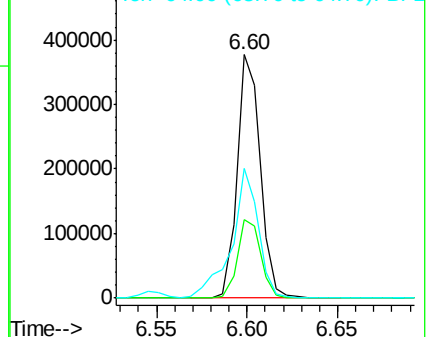
128 100

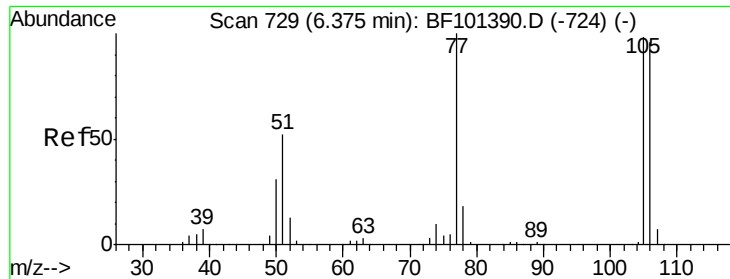
130 32.0 13.0 53.0

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 :

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72-12000MSD

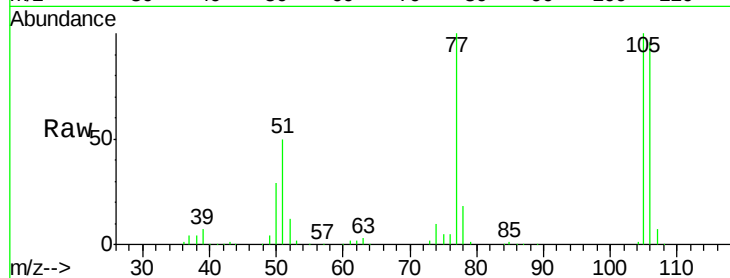
Tot Ion: 77 Resp: 223009

Ion Ratio Lower Upper

77 100

105 100.4 81.1 121.1

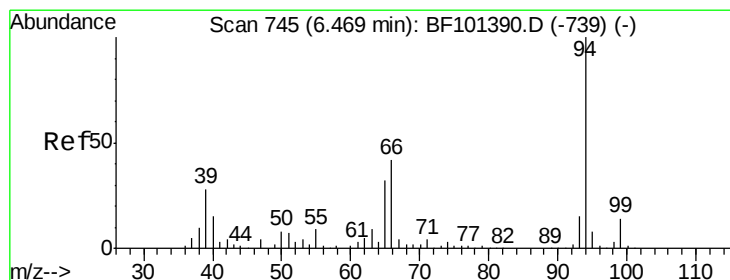
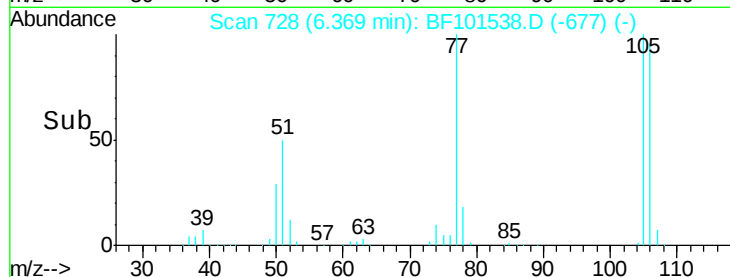
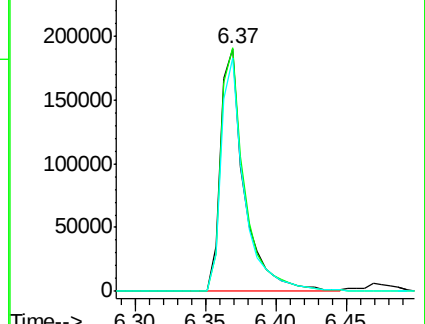
106 96.5 74.5 114.5



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

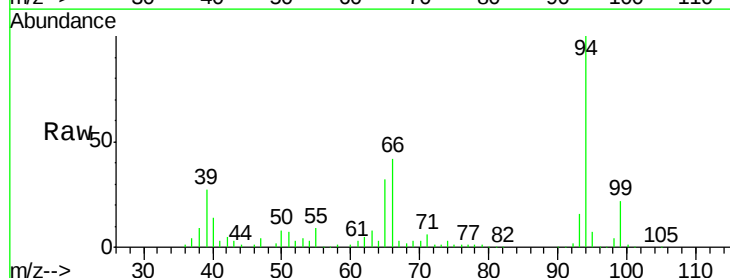
Tgt Ion: 94 Resp: 455147

Ion Ratio Lower Upper

94 100

65 31.8 7.9 47.9

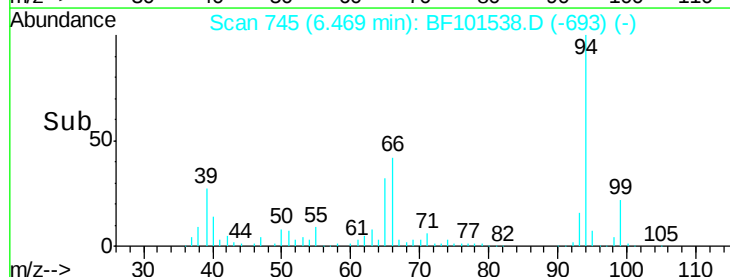
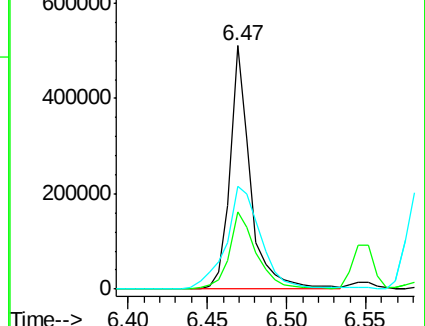
66 42.2 16.2 56.2

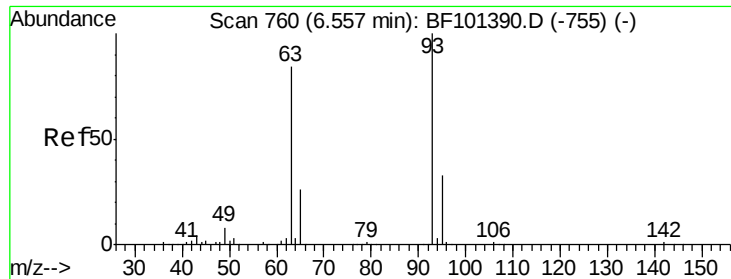


Abundance Ion 94.00 (93.70 to 94.70): BF1

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

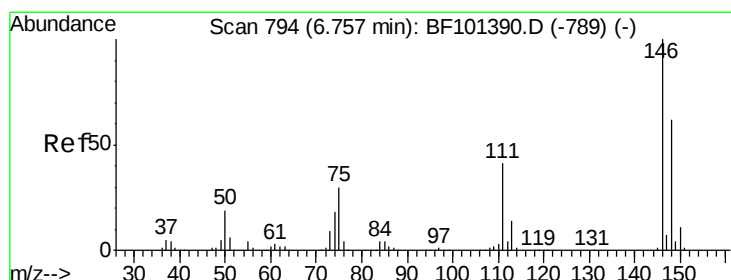
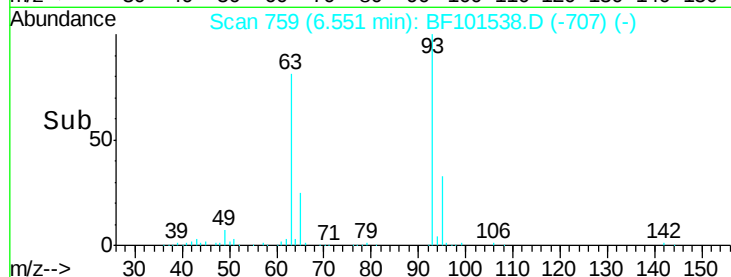
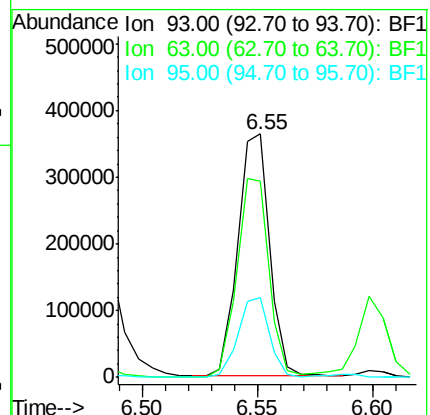
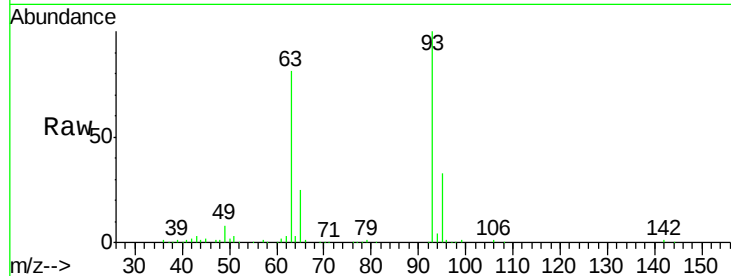
Tot Ion: 93 Resp: 347490

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

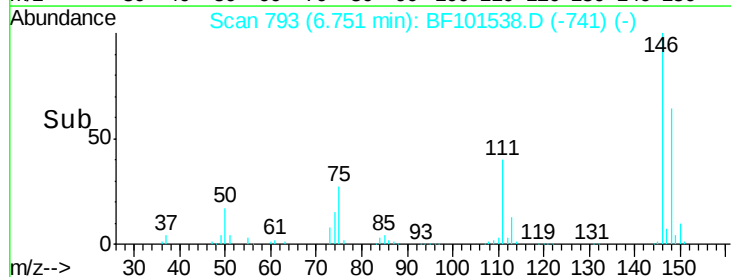
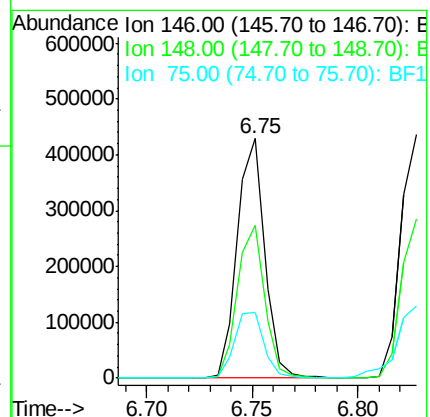
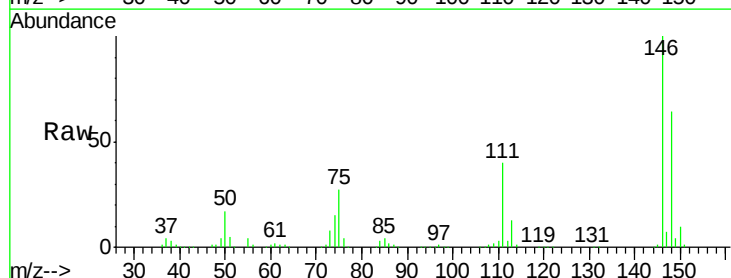
Tgt Ion: 146 Resp: 385554

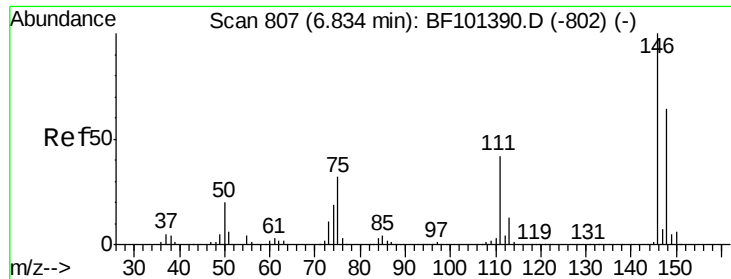
Ion Ratio Lower Upper

146 100

148 63.9 51.8 77.8

75 27.3 24.2 36.4

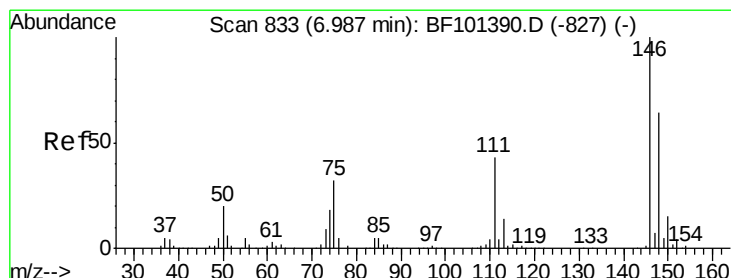
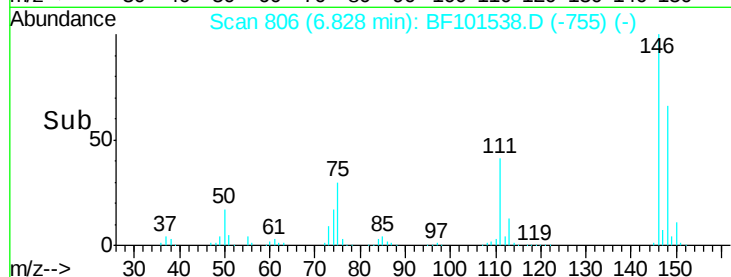
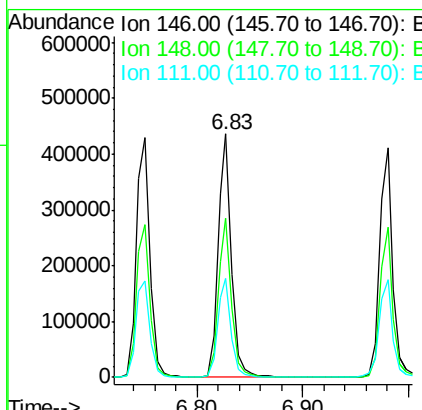
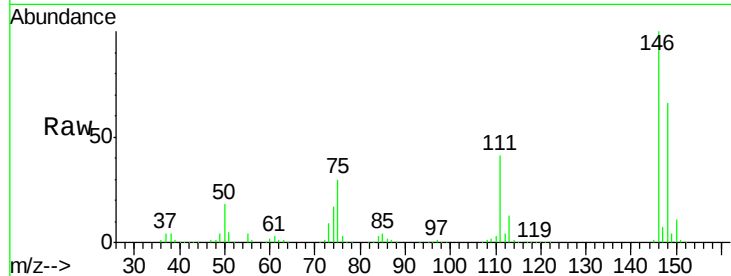




#13
 1,4-Dichlorobenzene
 Concen: 38.076 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

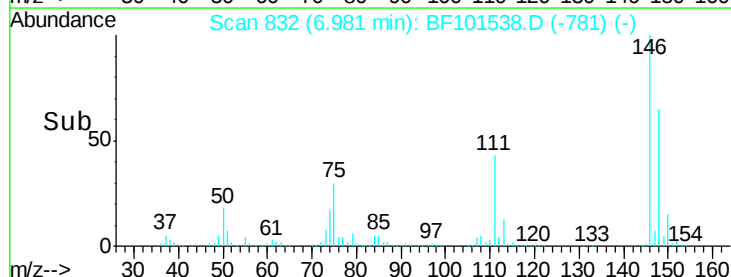
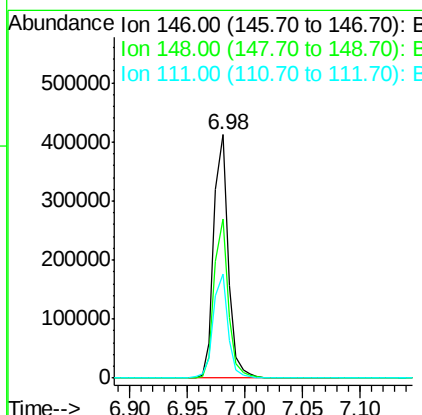
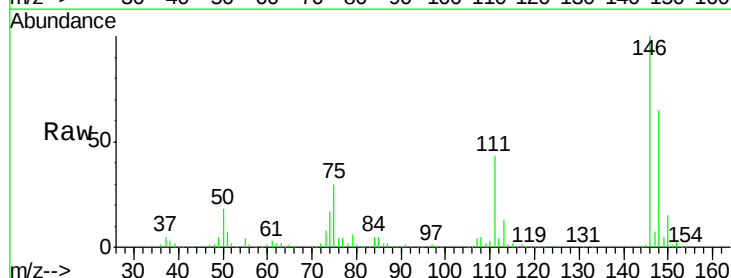
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

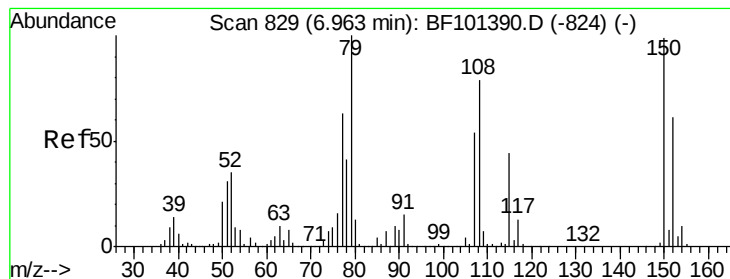
Tot Ion:146 Resp: 390198
 Ion Ratio Lower Upper
 146 100
 148 65.6 50.8 76.2
 111 40.6 34.2 51.2



#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

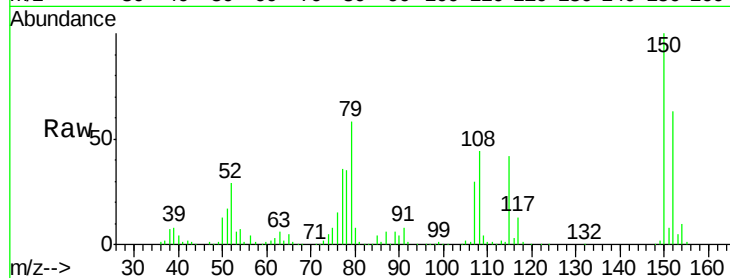
Tot Ion: 79 Resp: 254480

Ion Ratio Lower Upper

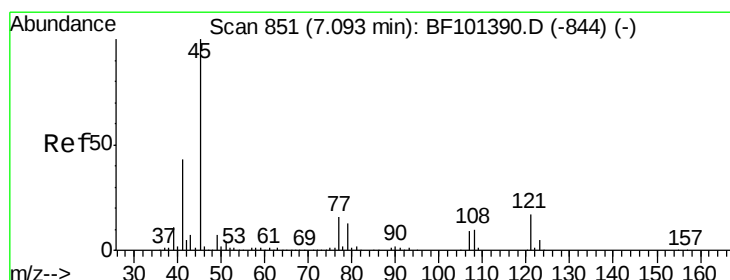
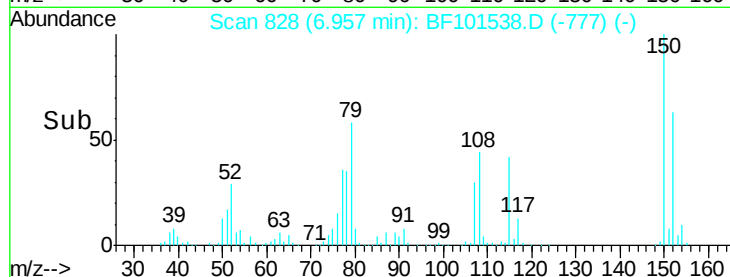
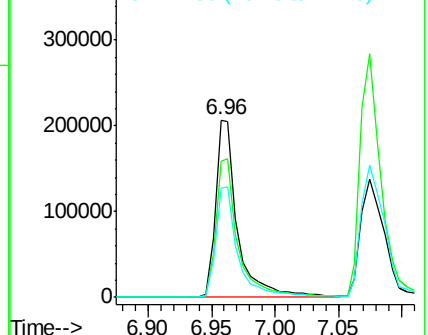
79 100

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

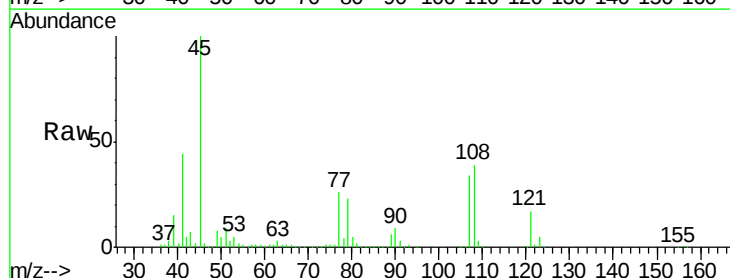
Tgt Ion: 45 Resp: 603865

Ion Ratio Lower Upper

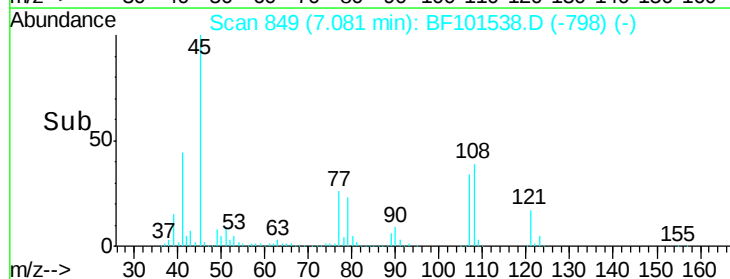
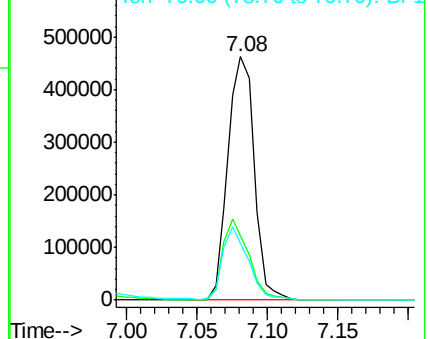
45 100

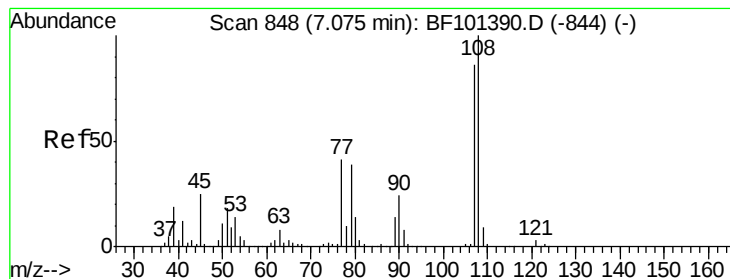
77 26.2 0.0 32.9

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

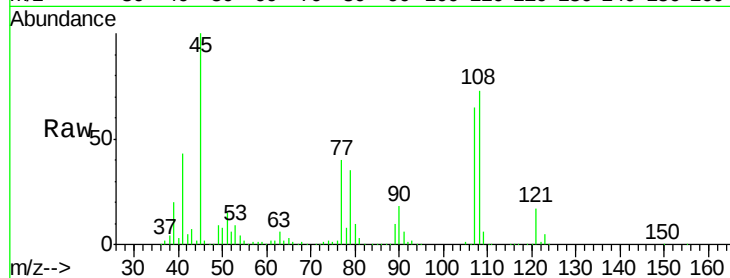
Ion Ratio Lower Upper

107 100

108 112.6 91.7 137.5

77 61.2 33.8 50.8#

79 54.8 33.8 50.8#



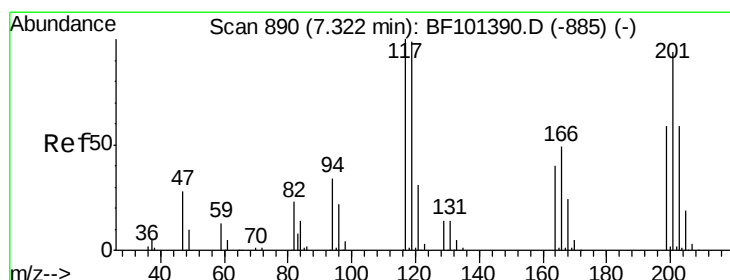
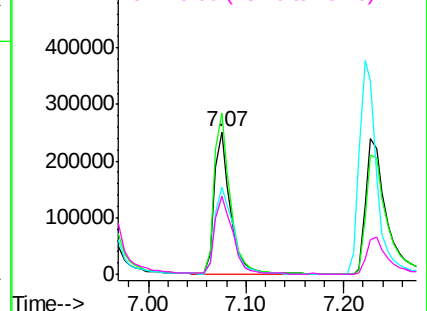
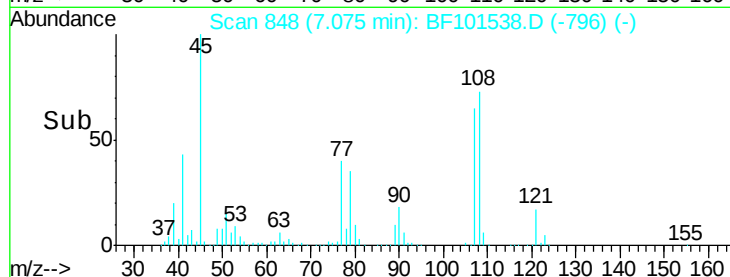
Abundance

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



#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

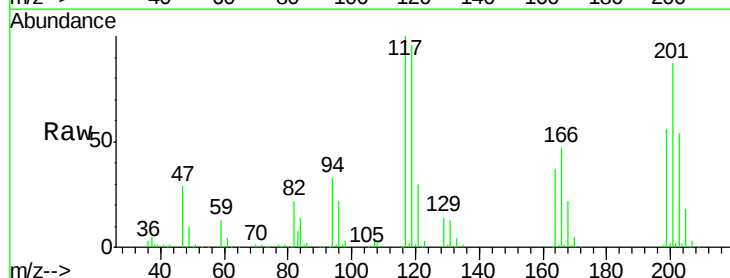
Tgt Ion:117 Resp: 135352

Ion Ratio Lower Upper

117 100

119 96.1 75.8 113.8

201 87.2 75.7 113.5

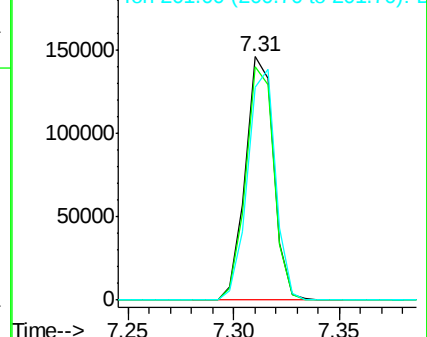
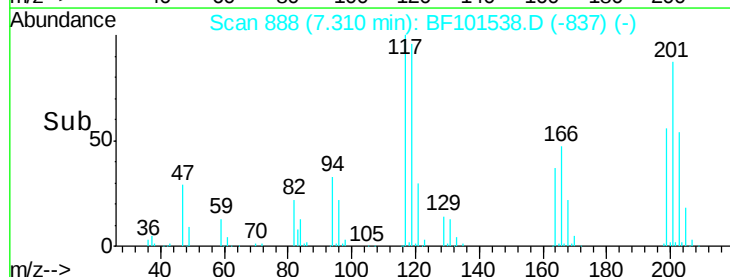


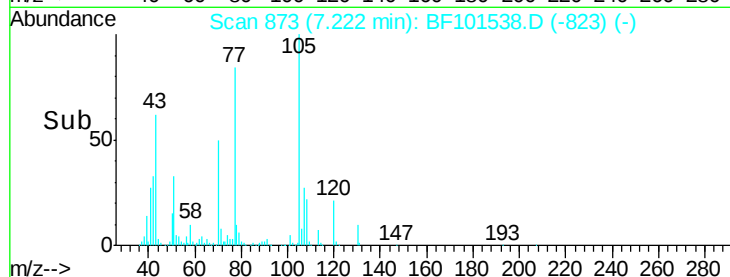
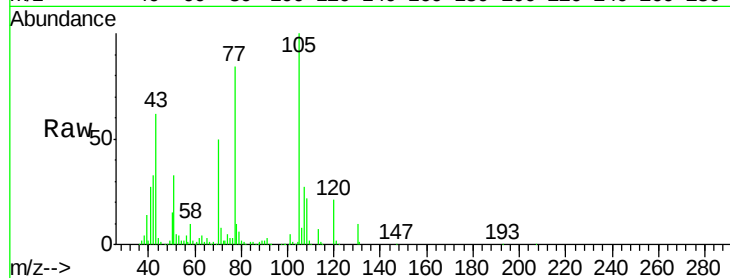
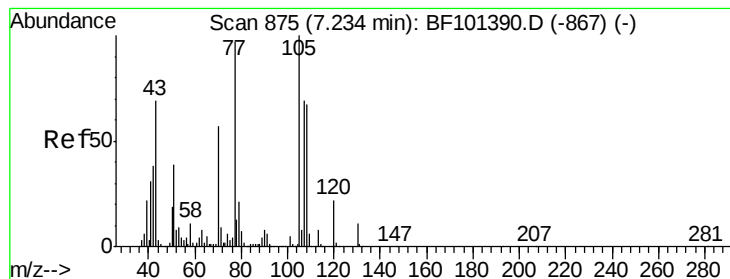
Abundance

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





#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

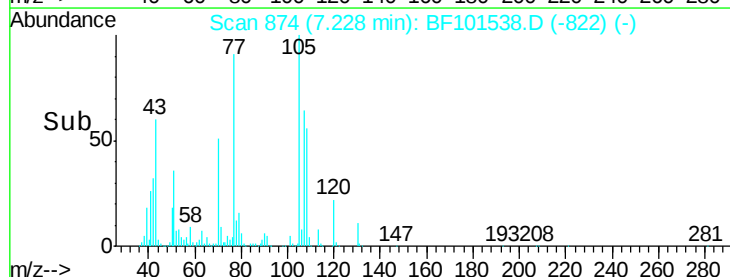
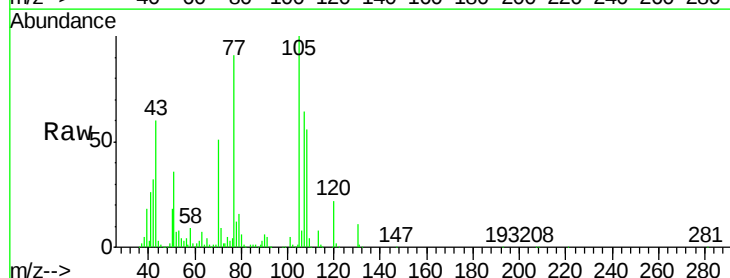
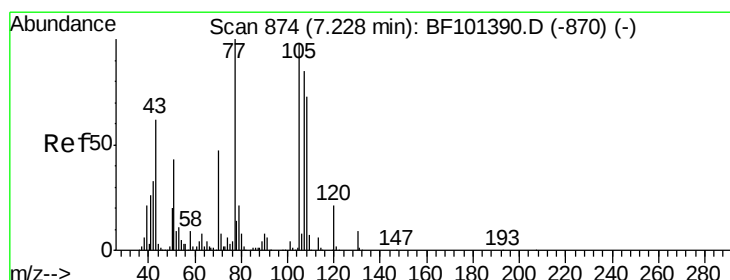
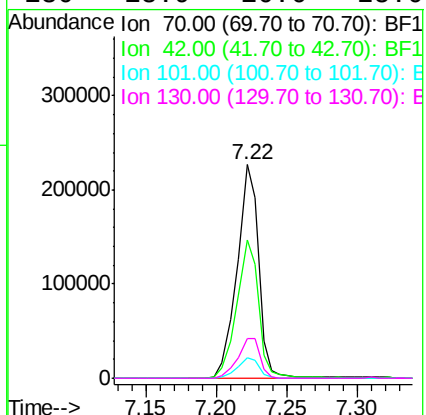
Ion Ratio Lower Upper

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

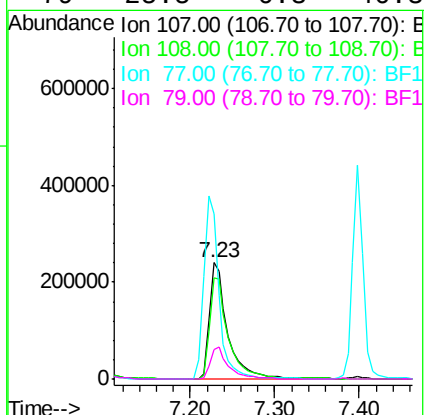
Ion Ratio Lower Upper

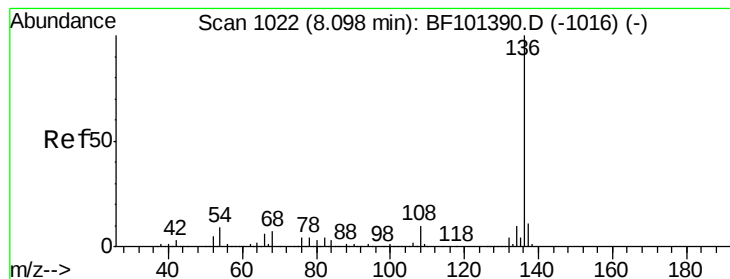
107 100

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

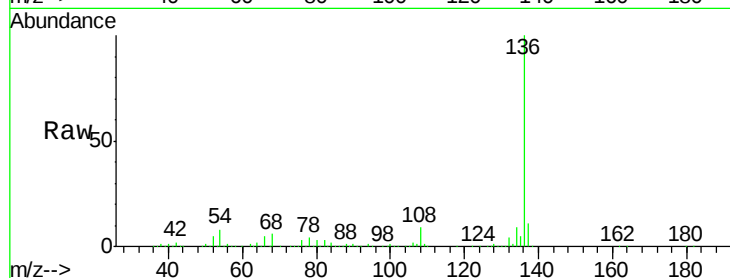
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 6.6 9.8

68 6.3 5.0 7.4

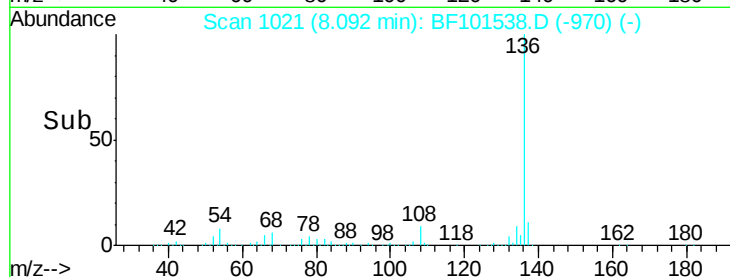


Abundance Ion 136.00 (135.70 to 136.70): E

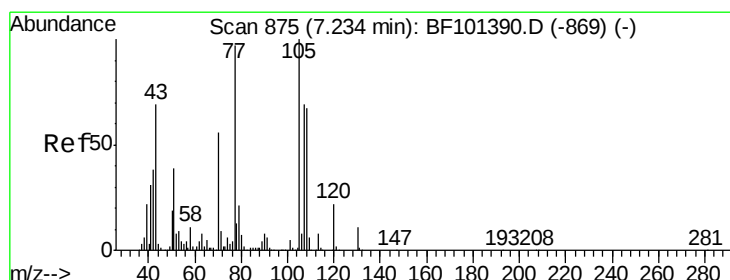
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20



#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

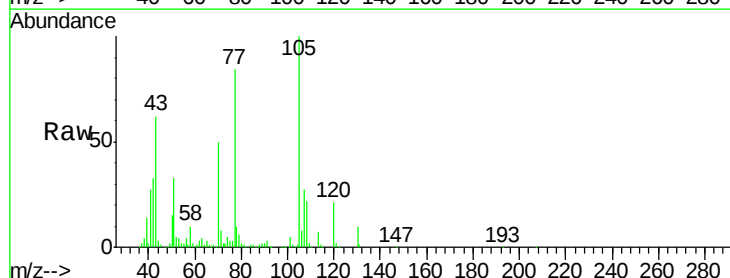
Ion Ratio Lower Upper

105 100

71 8.1 4.4 6.6#

51 33.4 22.3 33.5

120 21.2 16.9 25.3

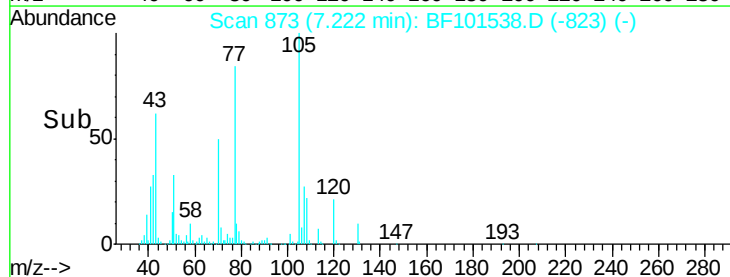


Abundance Ion 105.00 (104.70 to 105.70): E

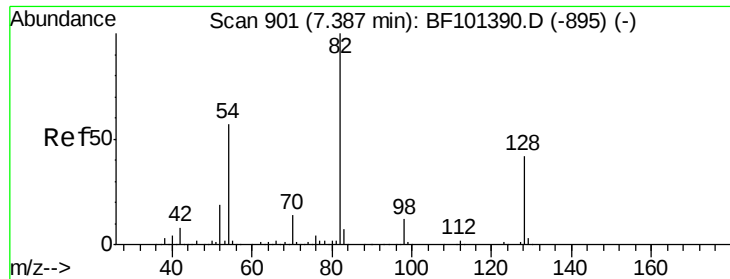
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



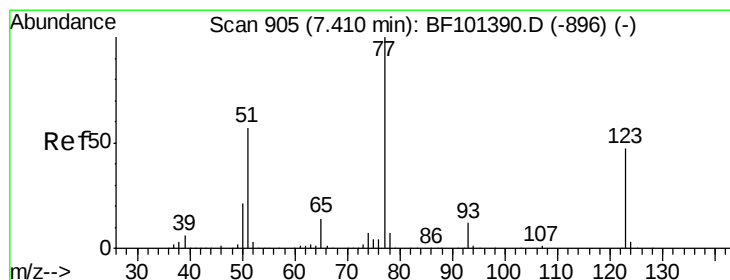
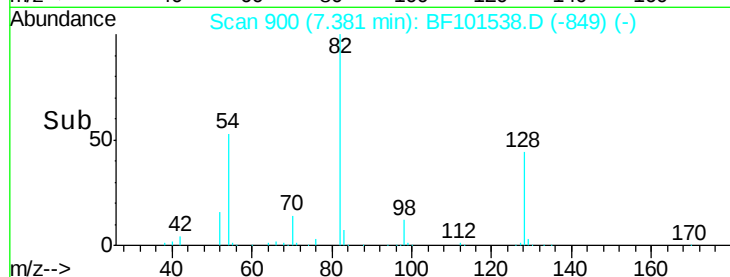
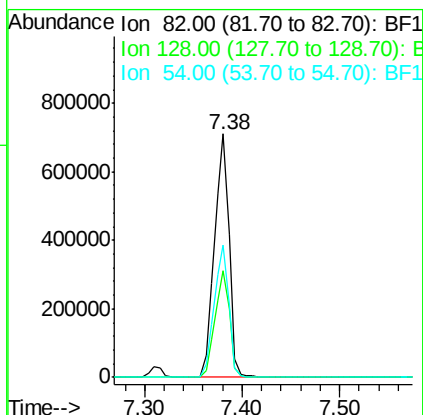
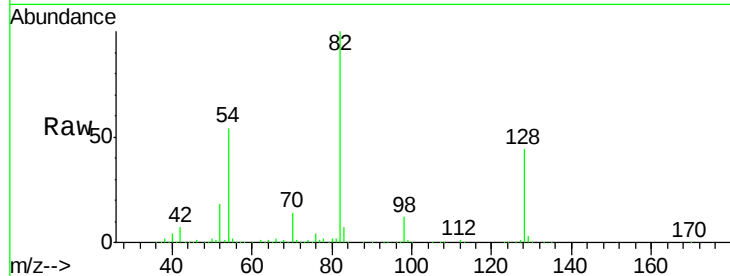
Time--> 7.15 7.20 7.25 7.30 7.35



#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

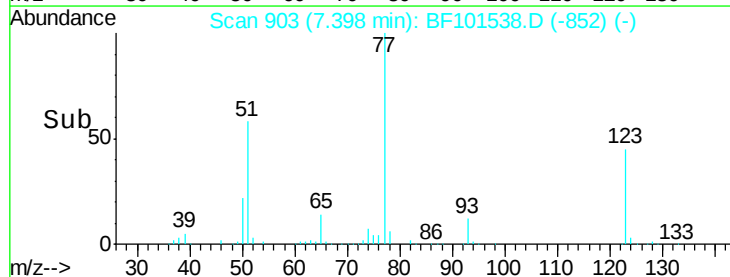
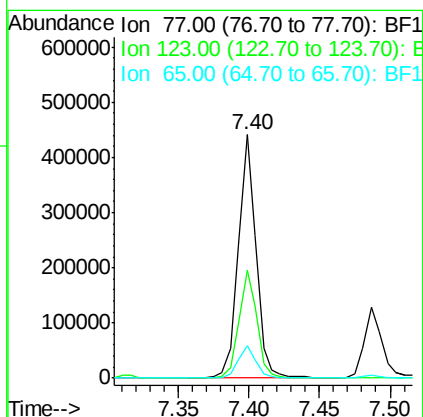
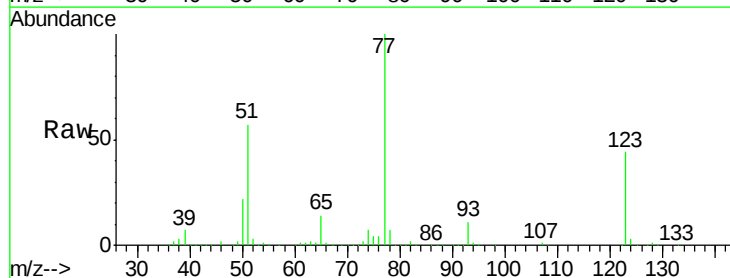
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

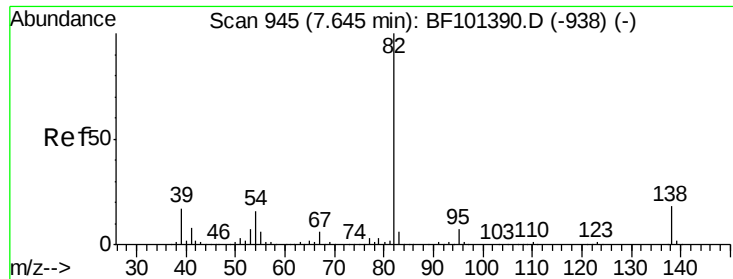
Tot Ion: 82 Resp: 737093
Ion Ratio Lower Upper
82 100
128 43.7 36.1 54.1
54 54.2 41.4 62.2



#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

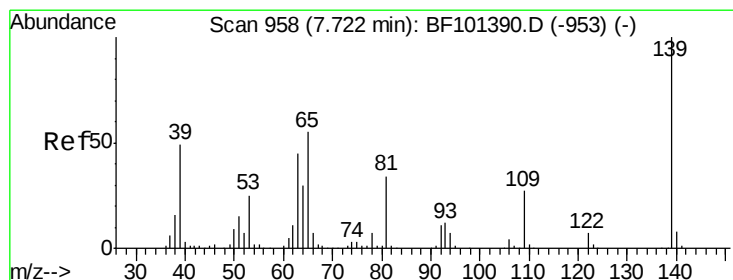
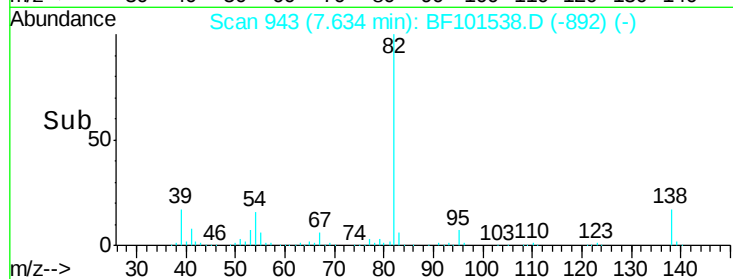
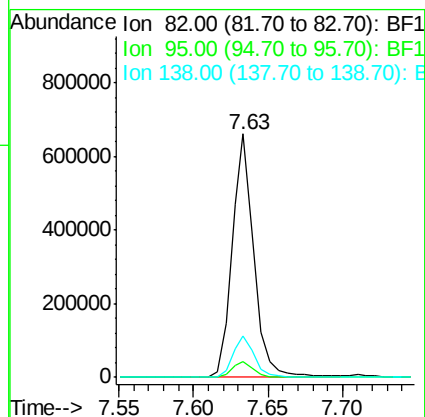
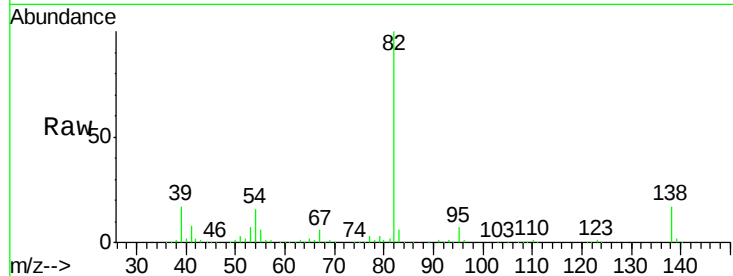




#25
Isophorone
Concen: 39.073 ng
RT: 7.63 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

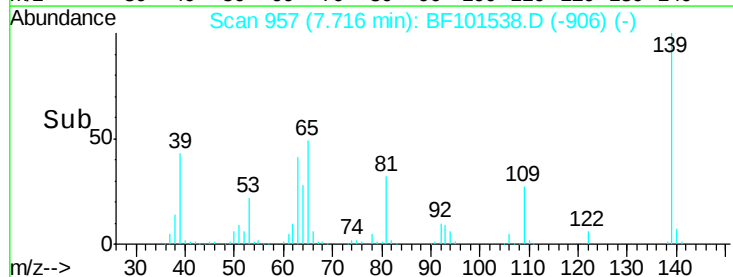
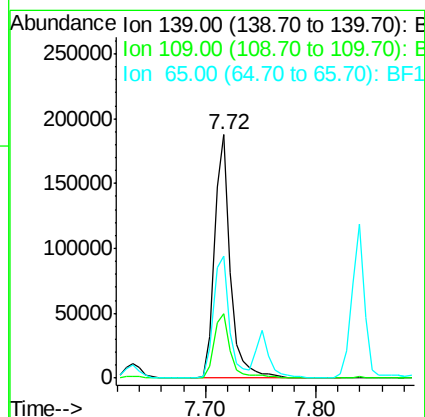
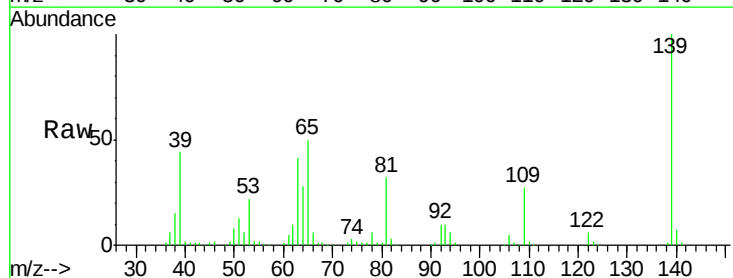
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

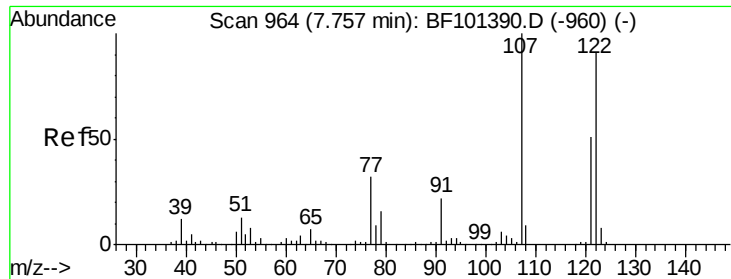
Tot Ion: 82 Resp: 679225
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 17.0 14.9 22.3



#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

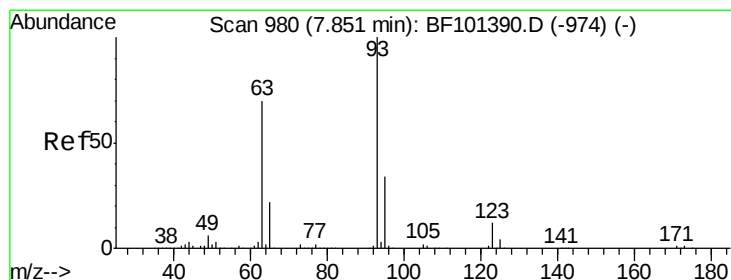
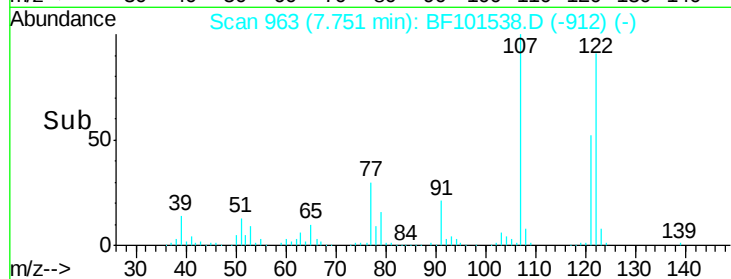
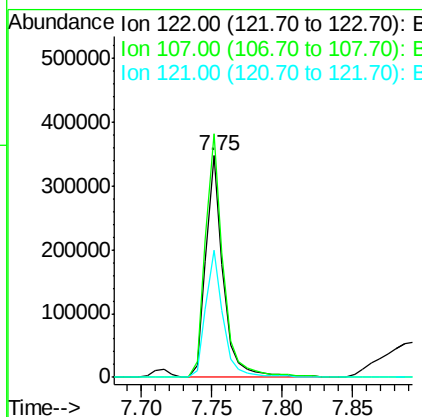
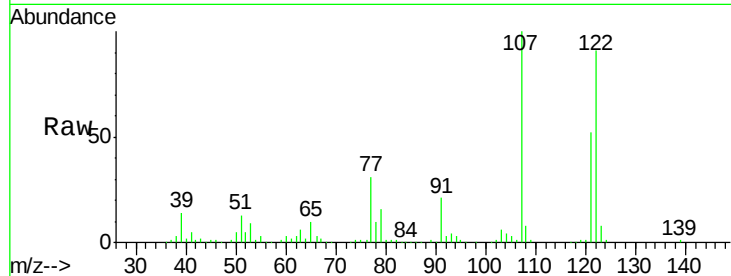




#27
2,4-Dimethylphenol
Concen: 42.551 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

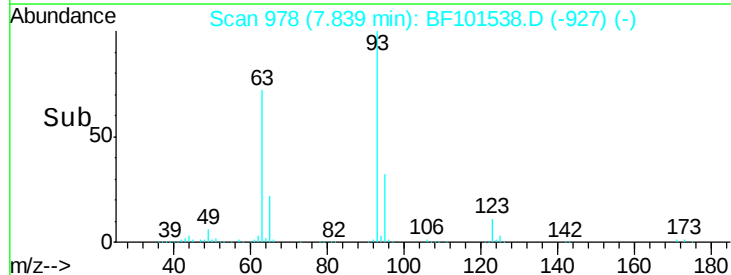
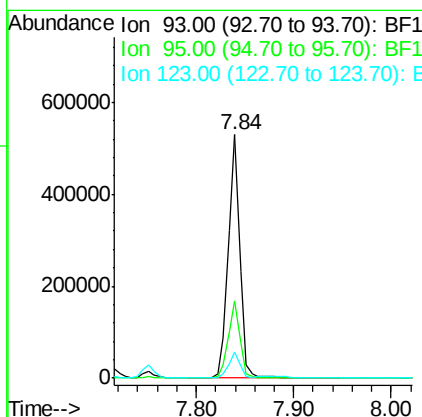
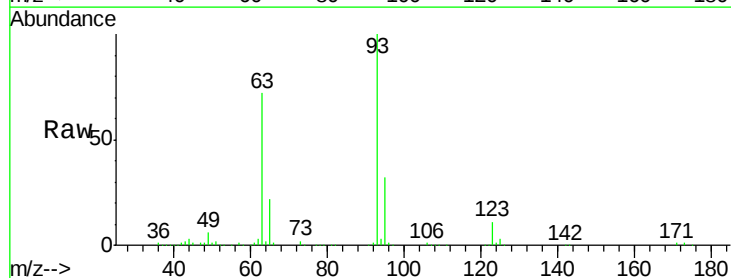
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

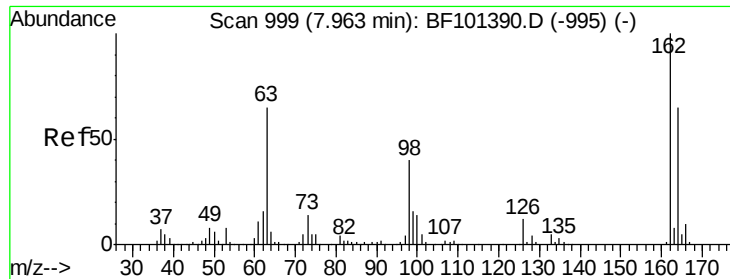
Tot Ion:122 Resp: 297844
Ion Ratio Lower Upper
122 100
107 109.8 91.2 136.8
121 57.3 47.2 70.8



#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

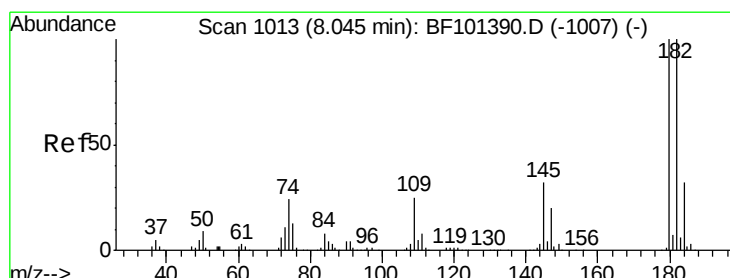
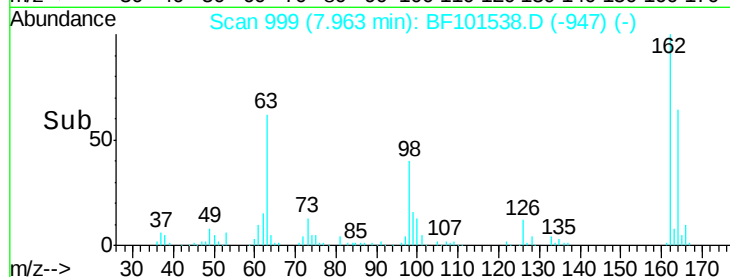
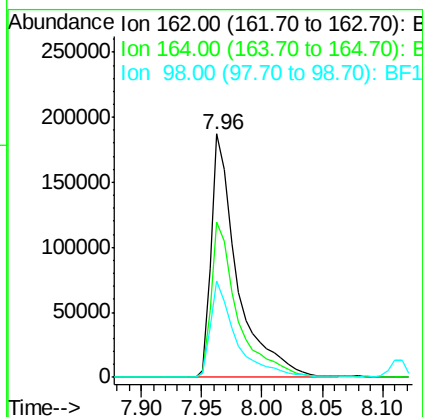
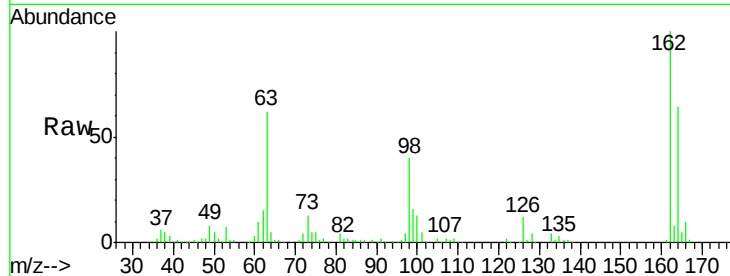




#29
 2,4-Dichlorophenol
 Concen: 40.533 ng
 RT: 7.96 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

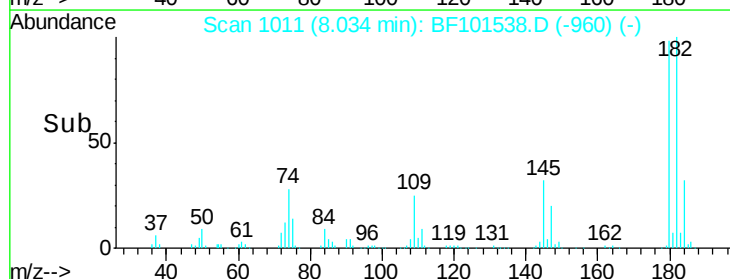
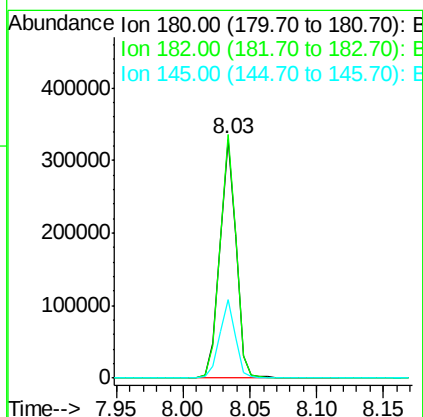
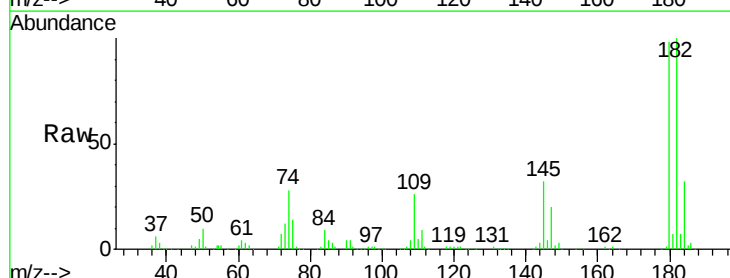
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

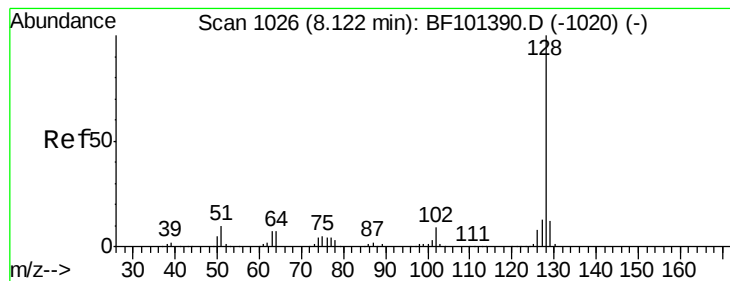
Tot Ion:162 Resp: 280302
 Ion Ratio Lower Upper
 162 100
 164 63.7 42.7 82.7
 98 39.8 18.1 58.1



#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





#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

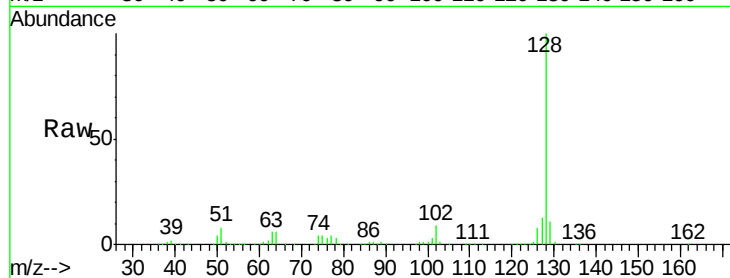
Tot Ion:128 Resp: 933043

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

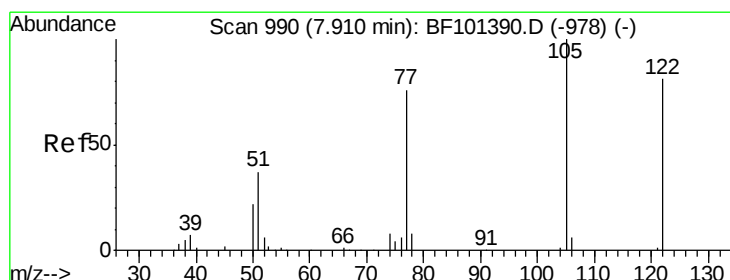
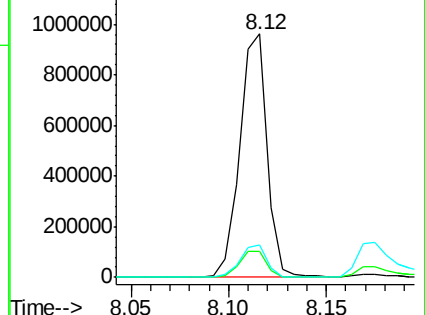
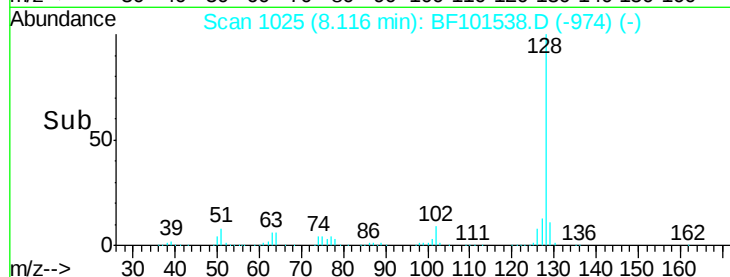
127 13.3 10.9 16.3



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

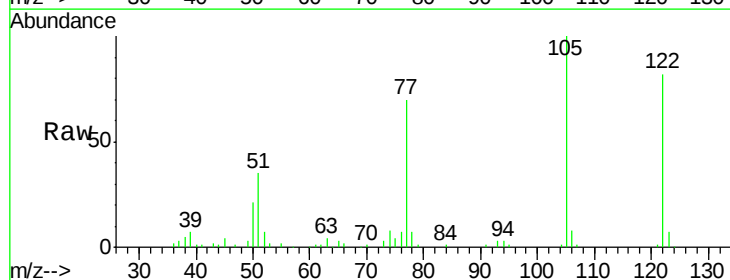
Tgt Ion:122 Resp: 118780

Ion Ratio Lower Upper

122 100

105 122.2 101.1 141.1

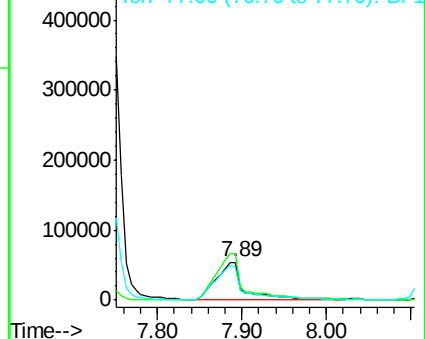
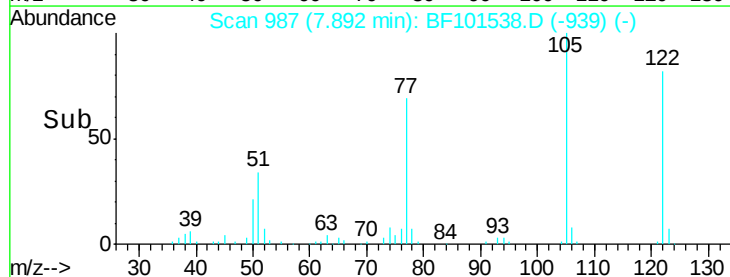
77 85.5 70.7 110.7

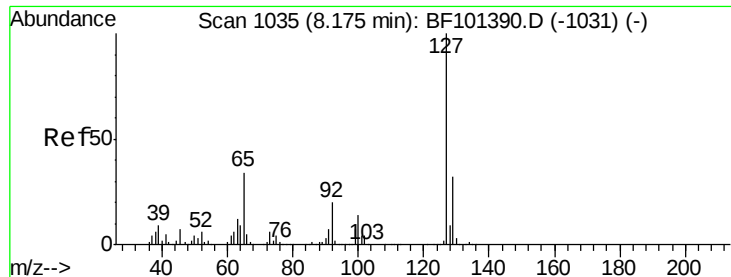


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

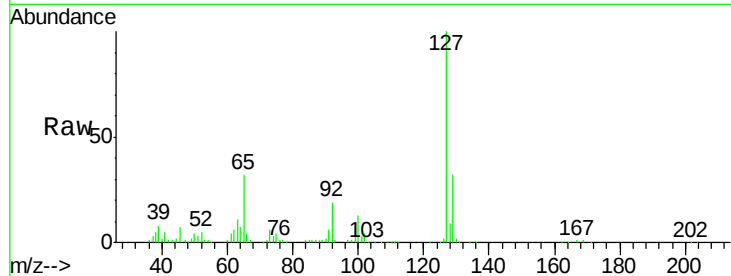




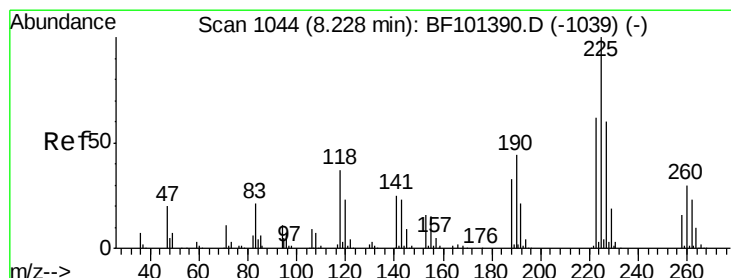
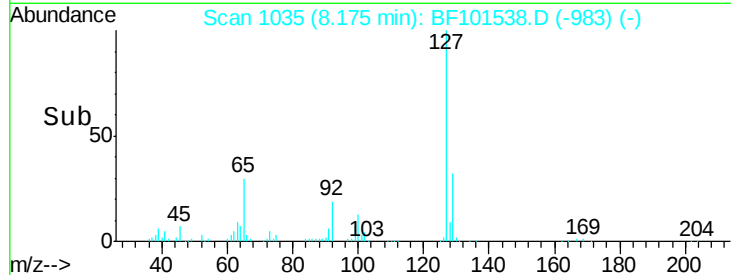
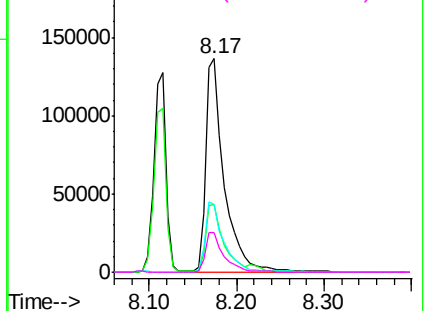
#33
4-Chloroaniline
Concen: 18.984 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

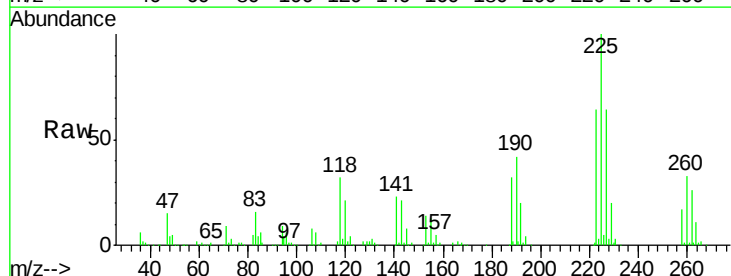


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

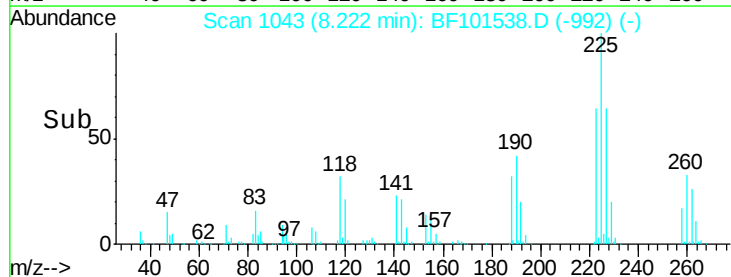
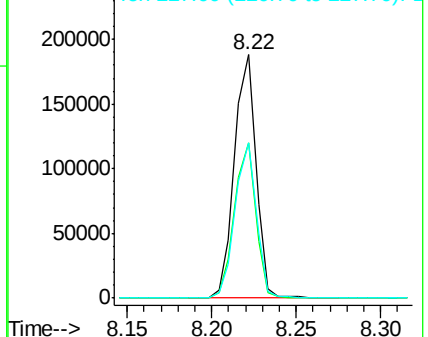


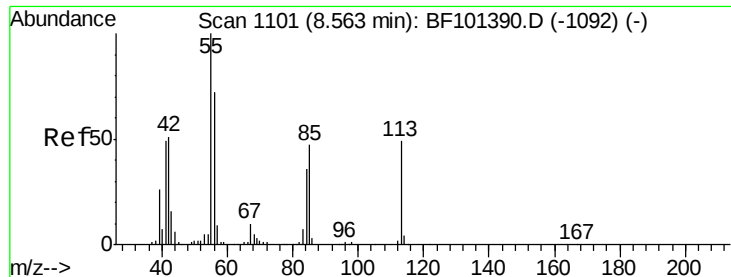
#34
Hexachlorobutadiene
Concen: 39.628 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

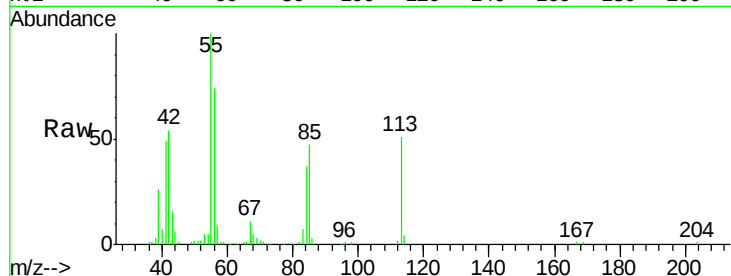
Tot Ion:113 Resp: 79739

Ion Ratio Lower Upper

113 100

55 196.1 163.3 203.3

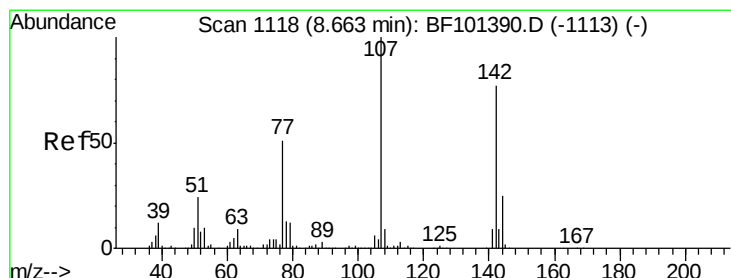
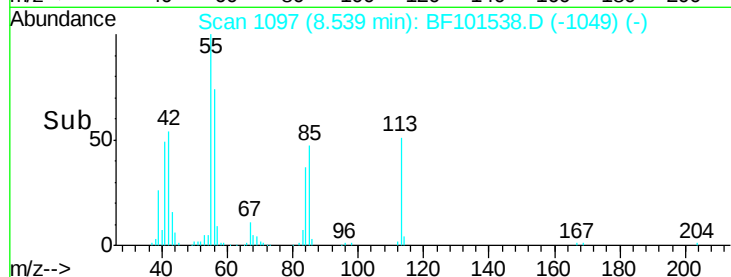
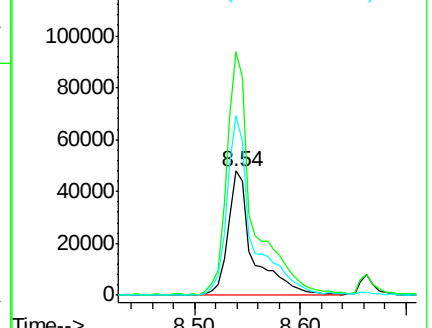
56 144.7 115.7 155.7



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

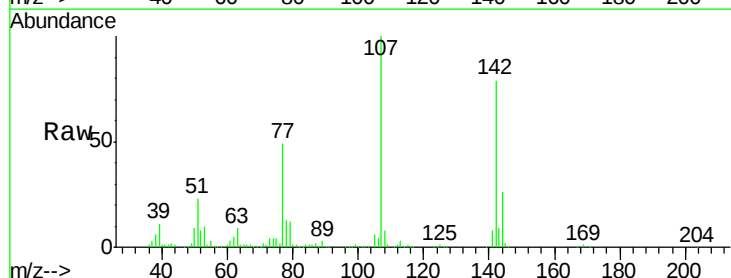
Tgt Ion:107 Resp: 273903

Ion Ratio Lower Upper

107 100

144 26.3 20.5 30.7

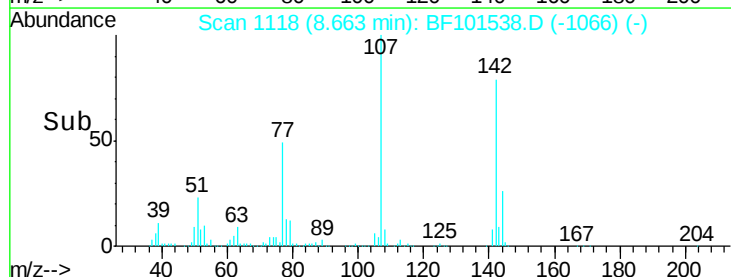
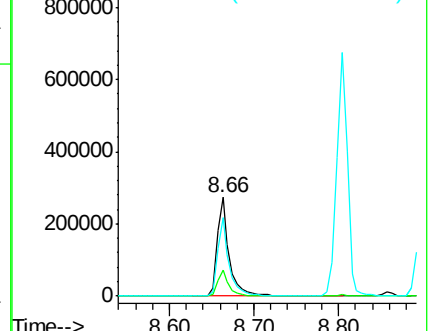
142 79.1 62.0 93.0

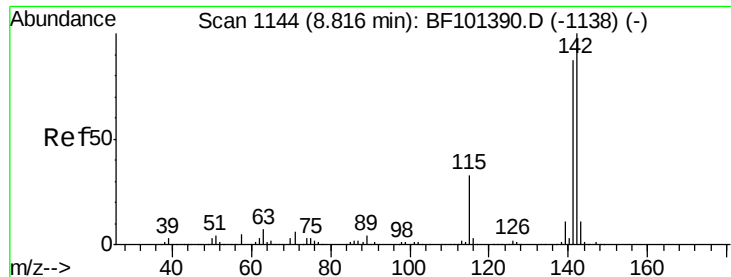


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

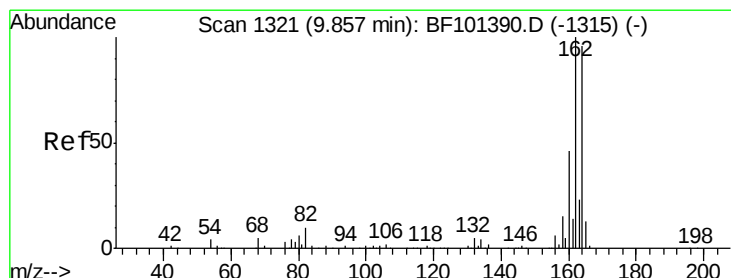
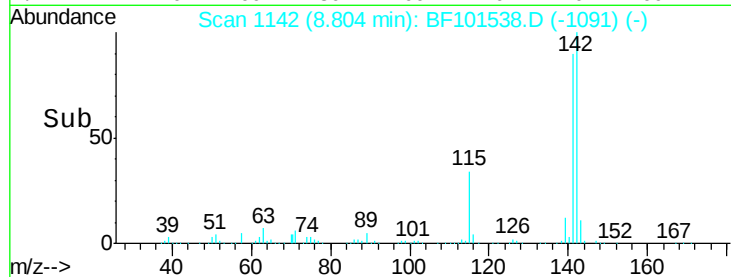
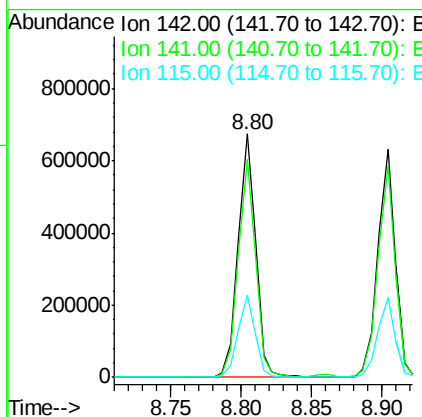
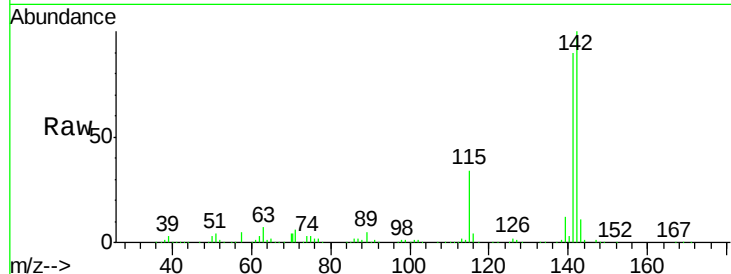




#37
 2-Methylnaphthalene
 Concen: 37.024 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

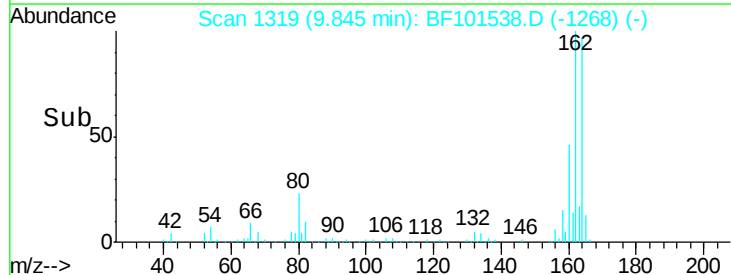
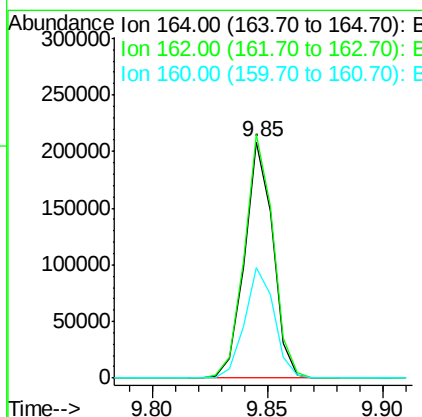
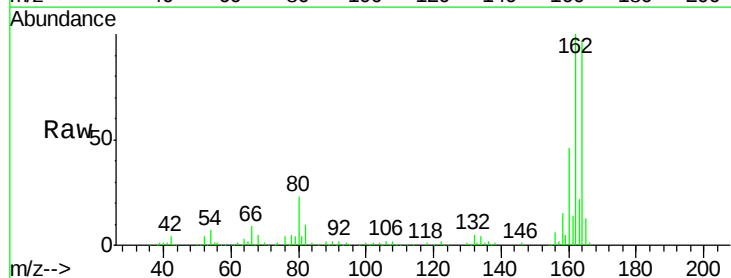
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

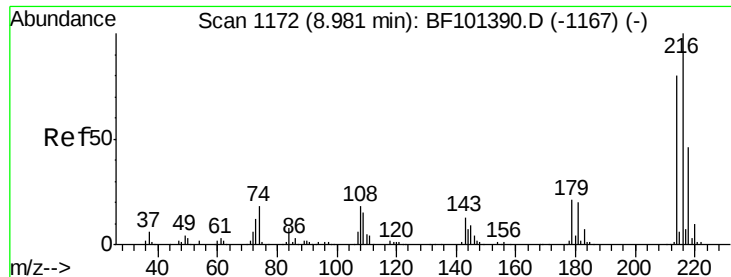
Tot Ion:142	Resp:	585786
Ion Ratio	Lower	Upper
142	100	
141	89.6	70.8 106.2
115	33.6	26.1 39.1



#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

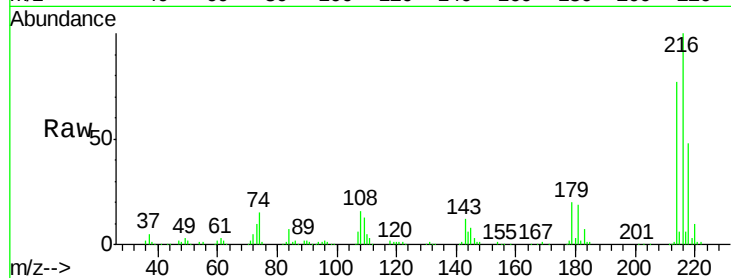




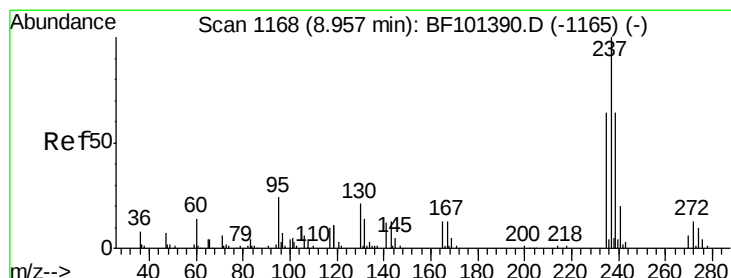
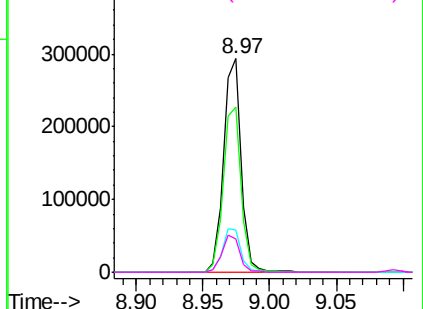
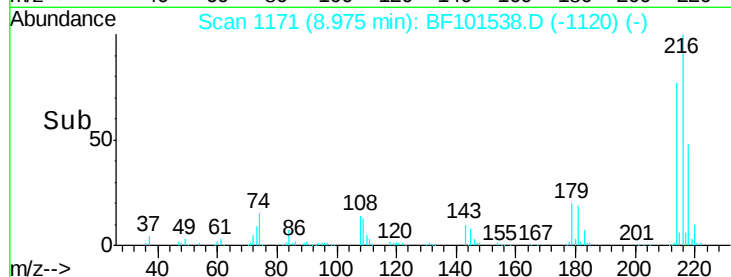
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.566 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

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

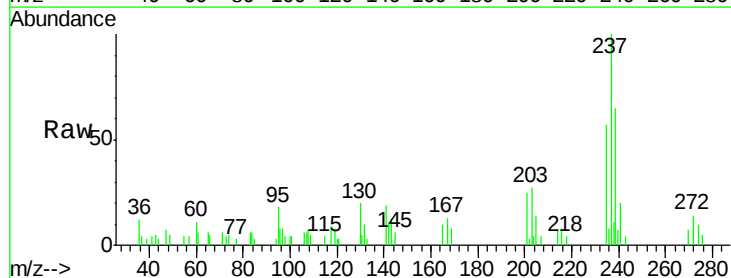


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

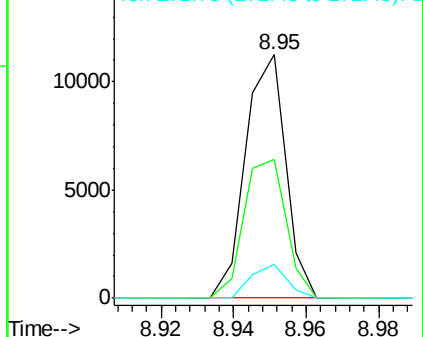
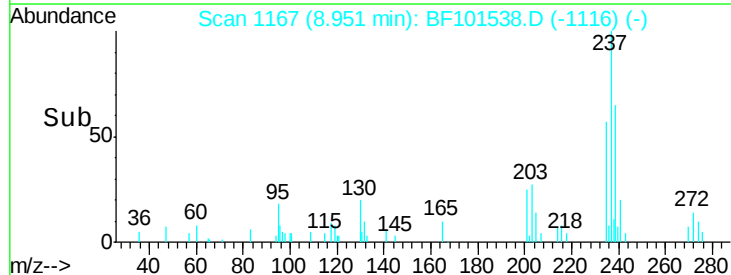


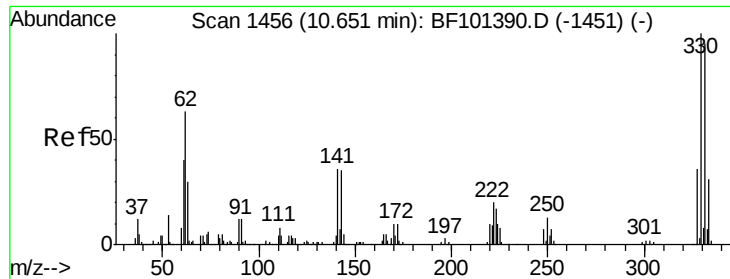
#40
 Hexachlorocyclopentadiene
 Concen: 20.439 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

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

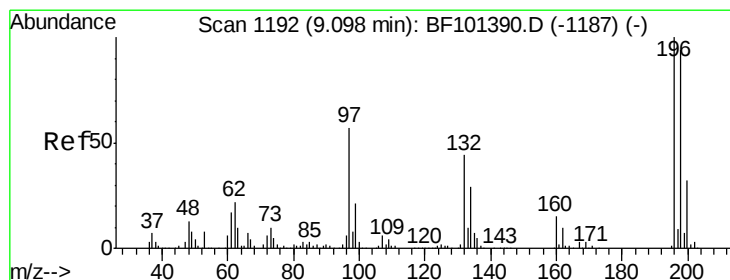
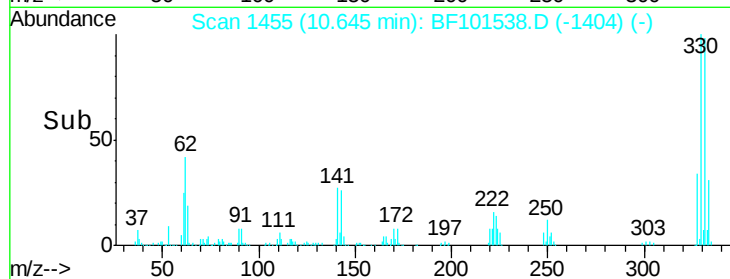
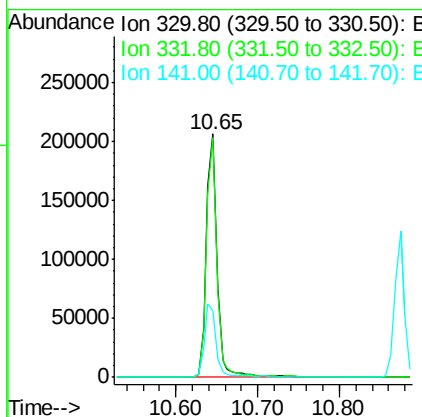
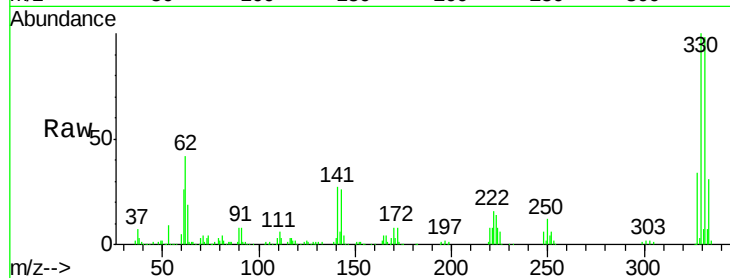




#41
 2,4,6-Tribromophenol
 Concen: 110.964 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

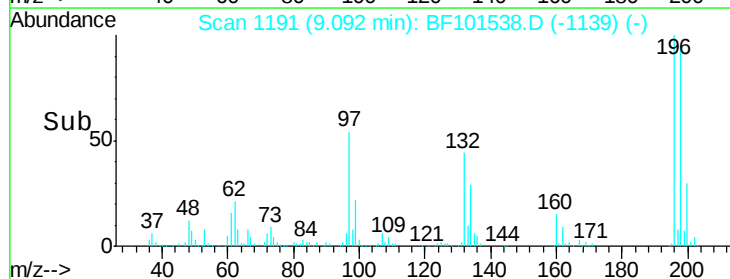
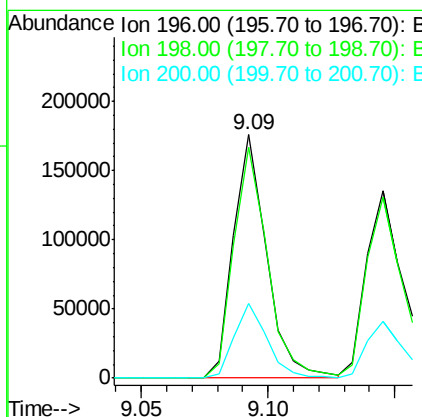
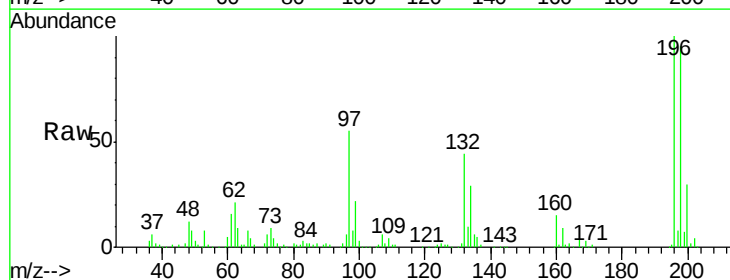
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

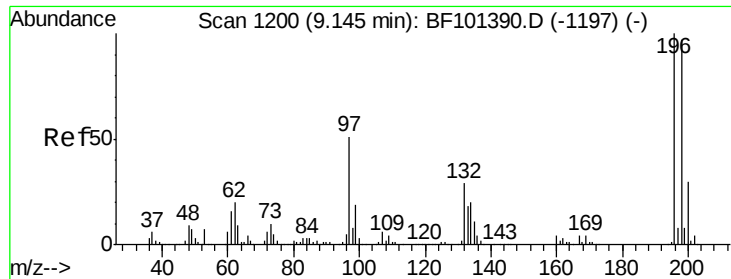
Tot Ion:330 Resp: 191660
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 32.0 29.9 44.9



#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:196 Resp: 160293
 Ion Ratio Lower Upper
 196 100
 198 95.0 75.7 113.5
 200 30.5 24.5 36.7

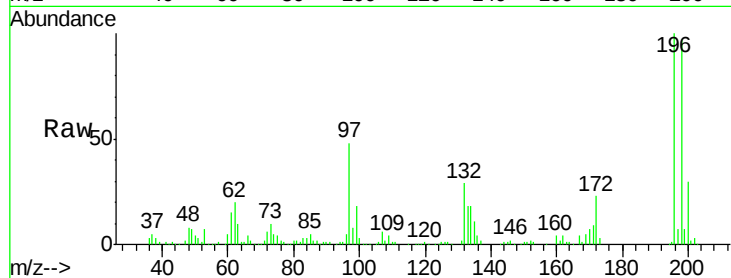




#43
 2,4,5-Trichlorophenol
 Concen: 39.385 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

Tot Ion	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	



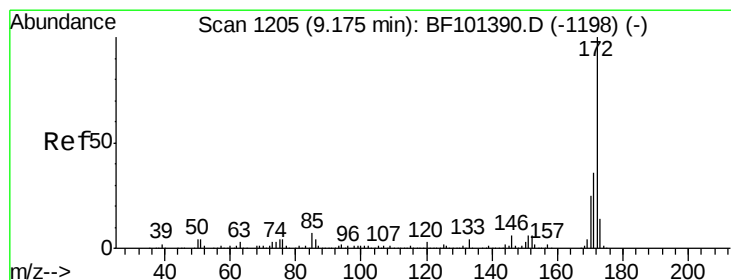
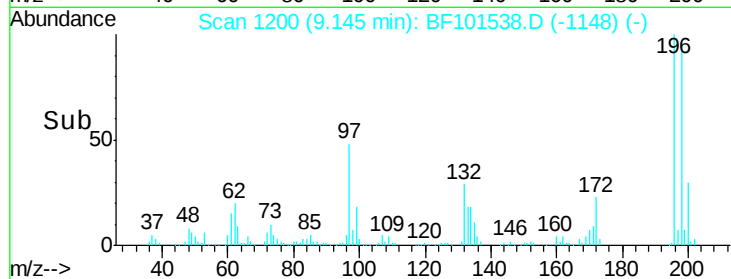
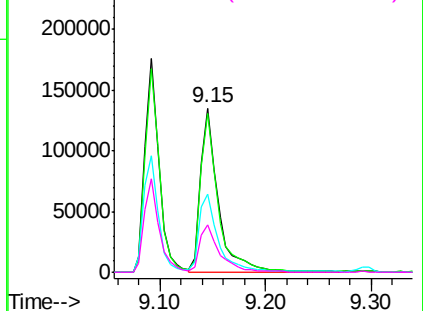
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

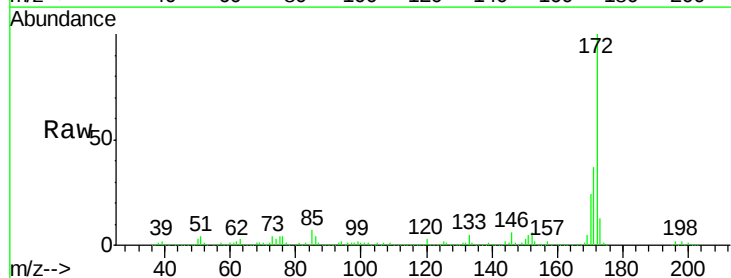
Ion 97.00 (96.70 to 97.70): BF1

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

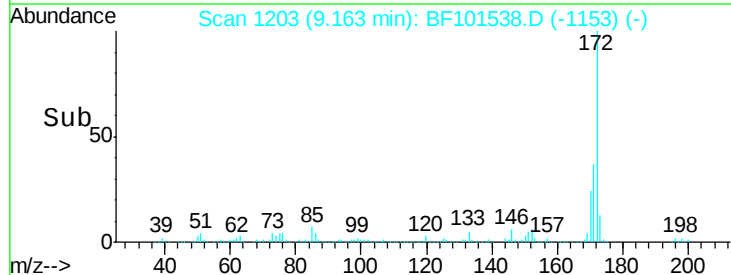
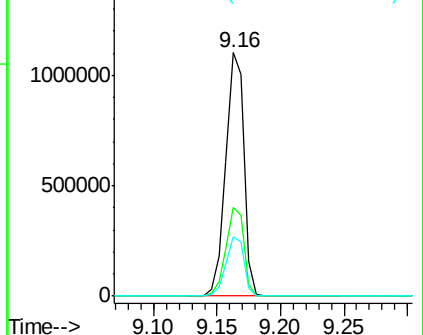


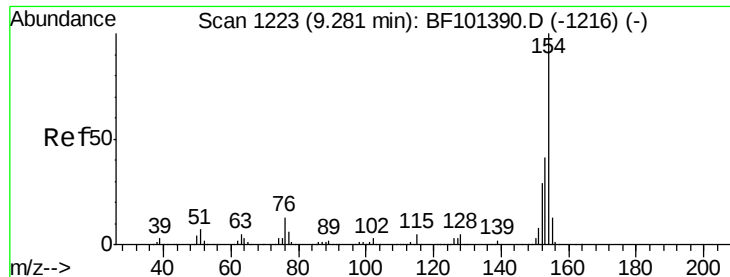
Abundance

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

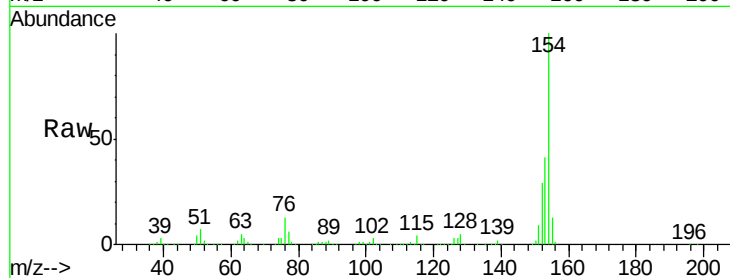
Tot Ion:154 Resp: 680965

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

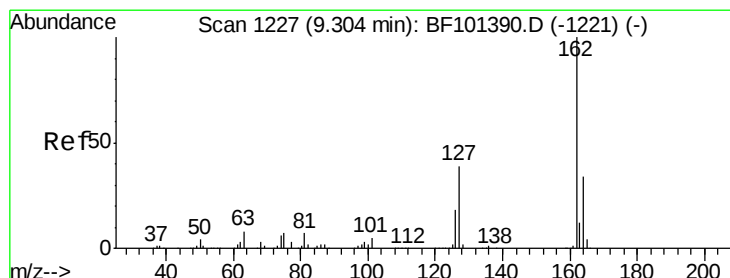
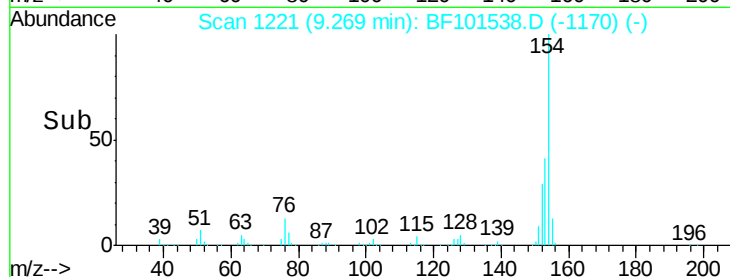
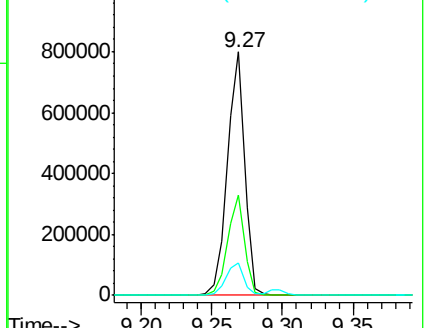
76 13.3 0.0 34.0



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

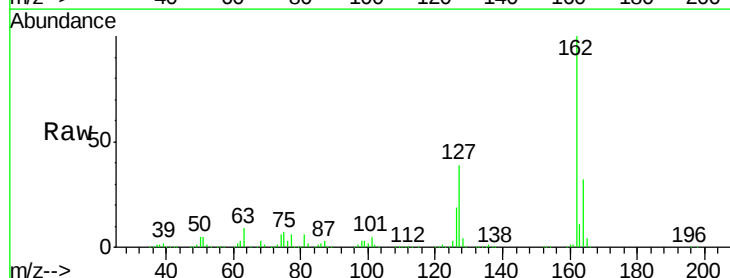
Tgt Ion:162 Resp: 506181

Ion Ratio Lower Upper

162 100

127 38.6 33.9 50.9

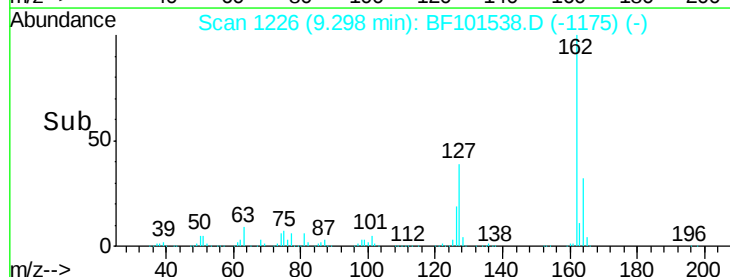
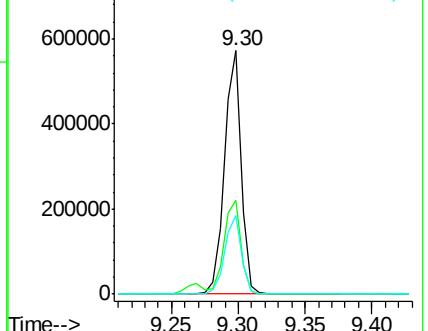
164 32.1 26.5 39.7

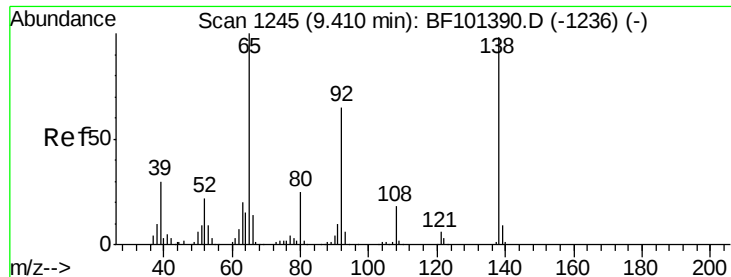


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

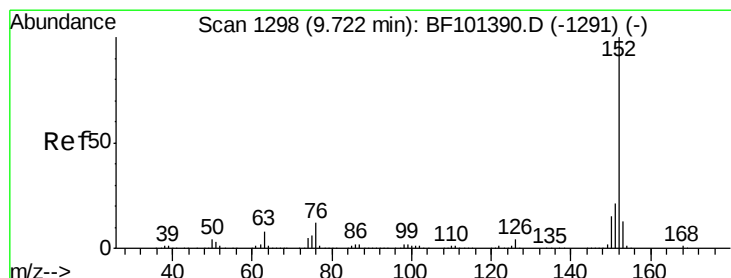
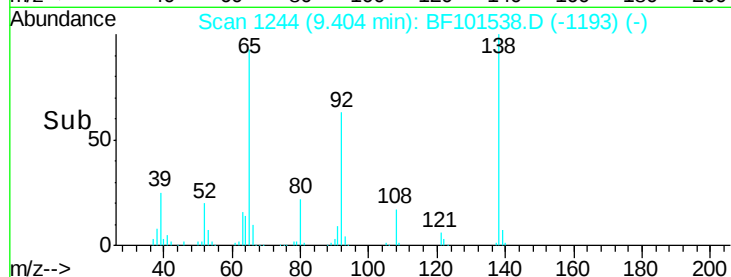
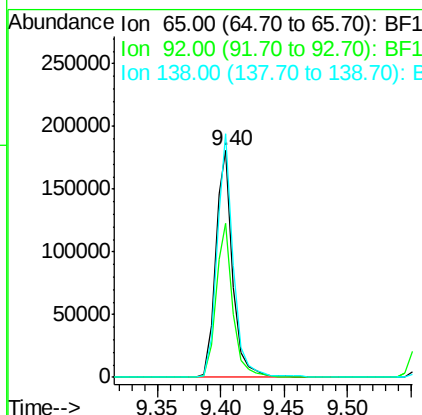
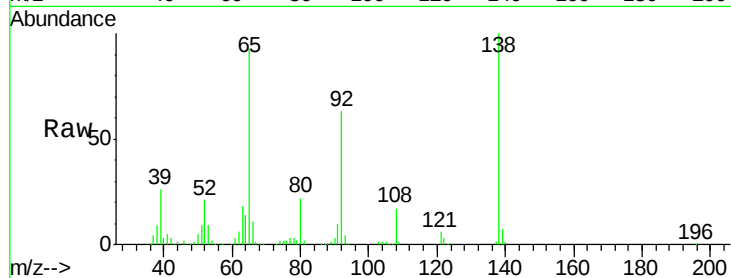




#47
2-Nitroaniline
Concen: 40.618 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

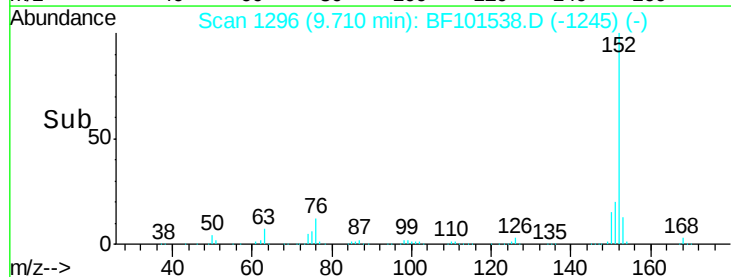
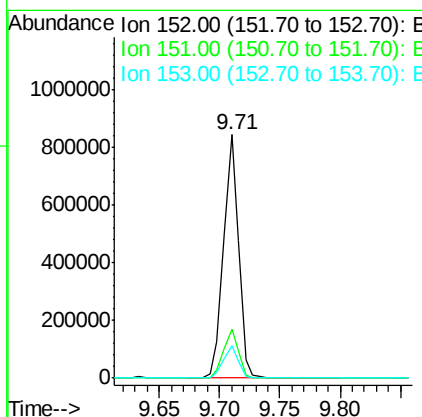
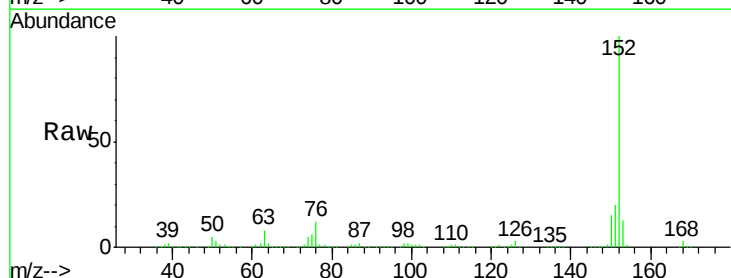
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

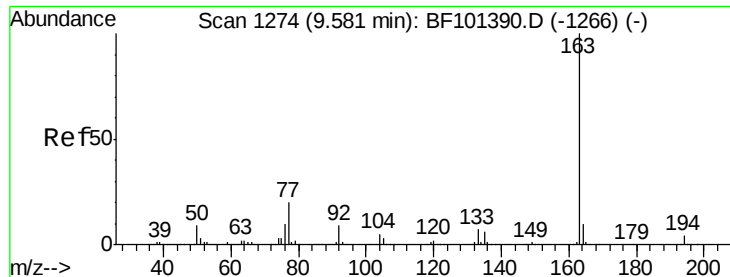
Tot Ion: 65 Resp: 170674
Ion Ratio Lower Upper
65 100
92 68.0 55.8 83.6
138 107.4 91.2 136.8



#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

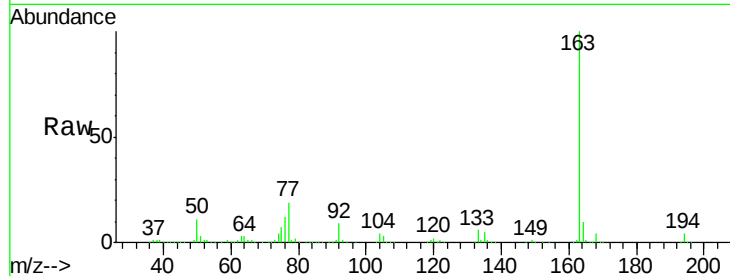




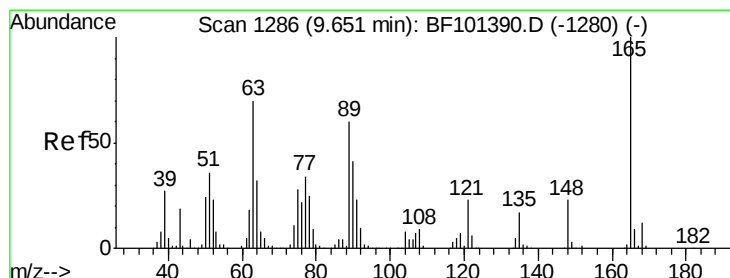
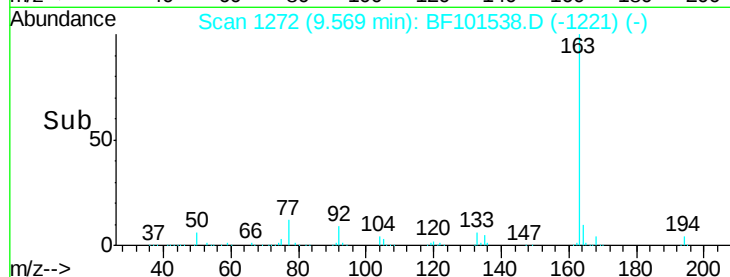
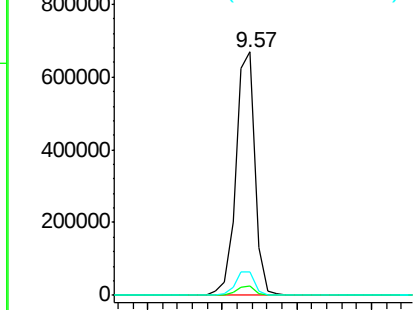
#49
Dimethylphthalate
Concen: 41.505 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Instrument :
BNA_F
ClientSampleId :
72-12000MSD

Tot Ion:163 Resp: 598427
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.7 8.2 12.2

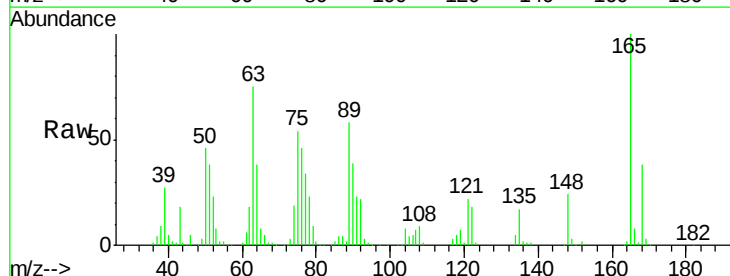


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

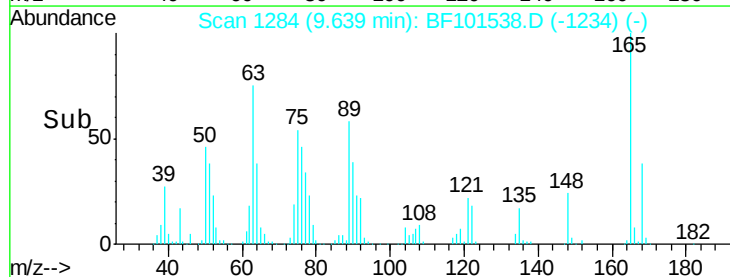
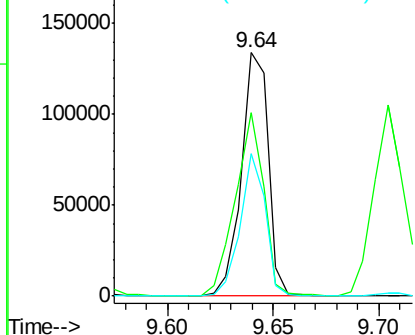


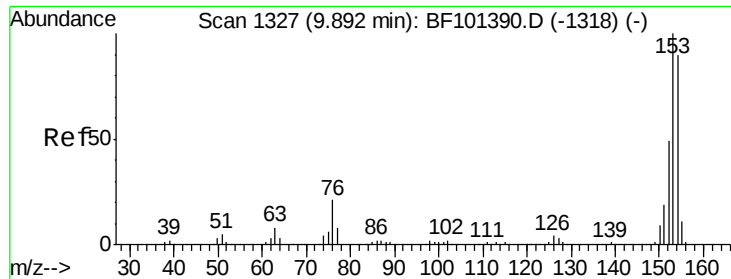
#50
2,6-Dinitrotoluene
Concen: 40.168 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

Tgt Ion:165 Resp: 117709
Ion Ratio Lower Upper
165 100
63 75.5 44.7 67.1#
89 58.3 44.0 66.0



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





#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

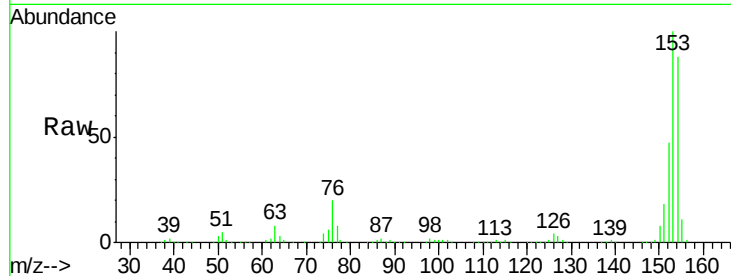
Tot Ion:154 Resp: 429934

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

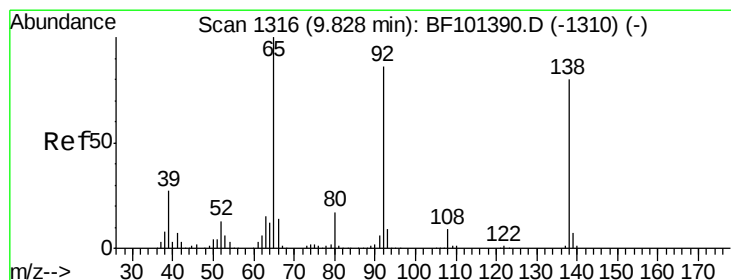
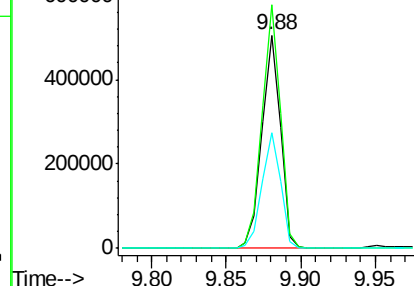
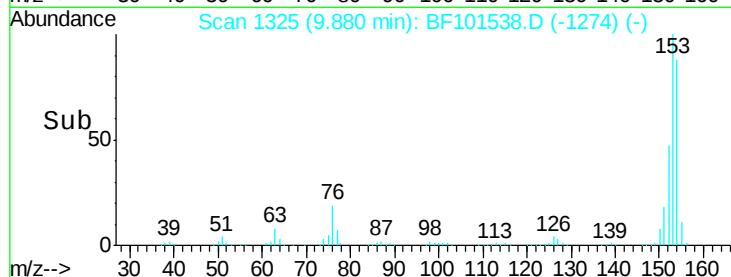
152 54.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#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

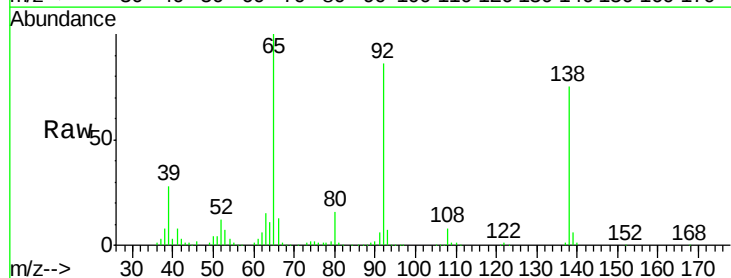
Tgt Ion:138 Resp: 109215

Ion Ratio Lower Upper

138 100

108 10.3 9.4 14.0

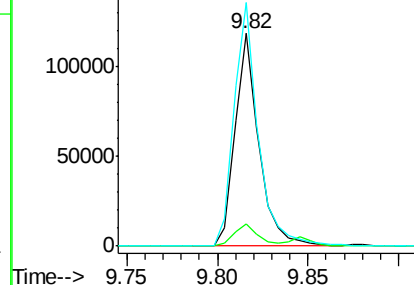
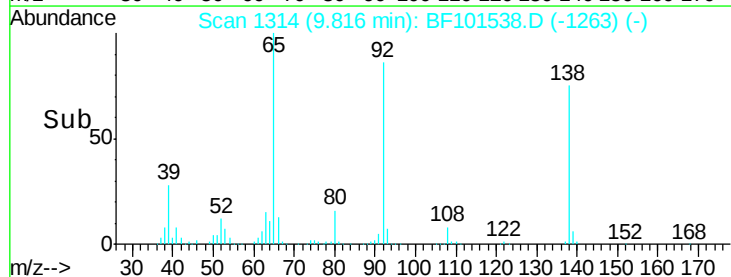
92 114.6 89.4 134.2

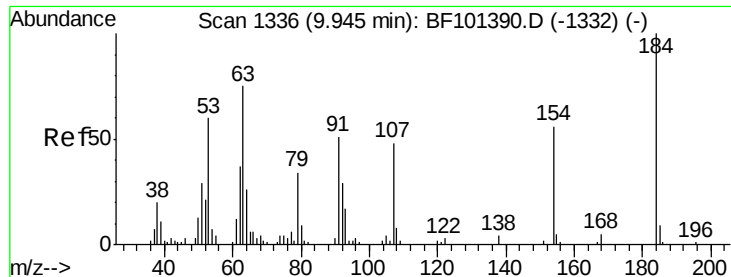


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

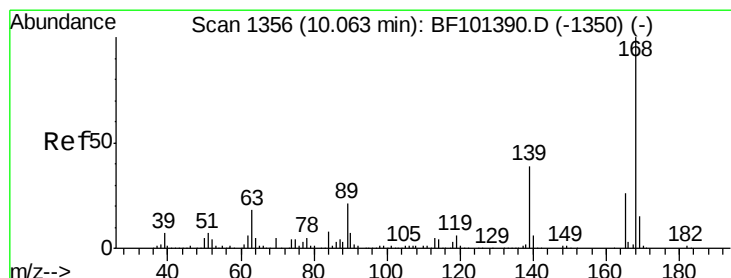
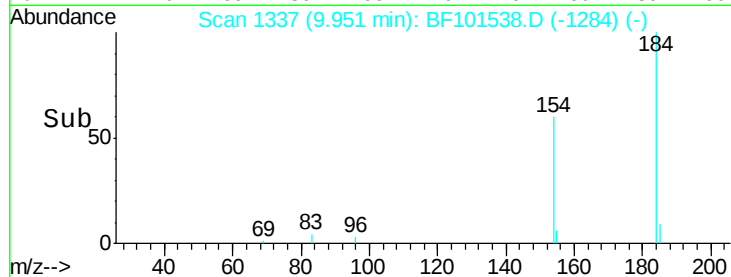
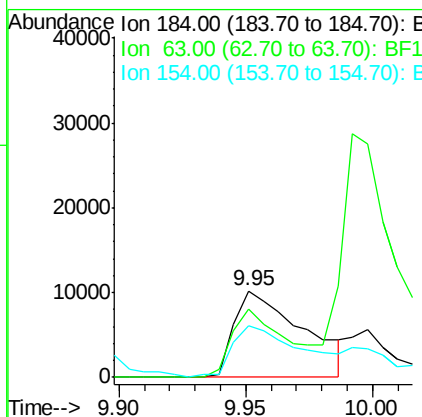
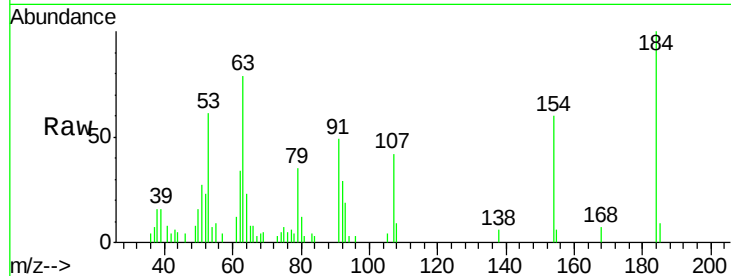




#53
 2,4-Dinitrophenol
 Concen: 26.616 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

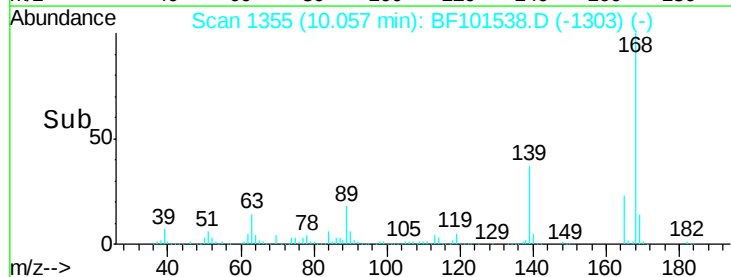
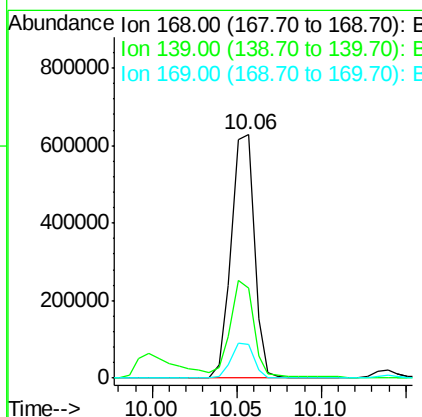
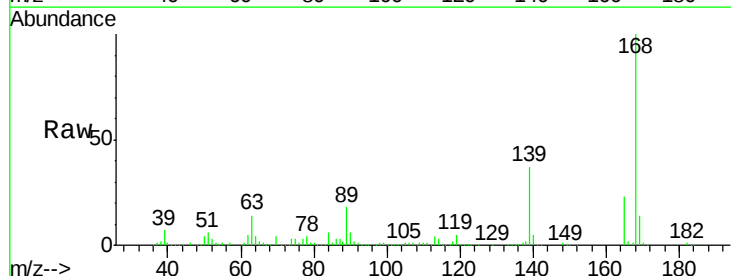
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

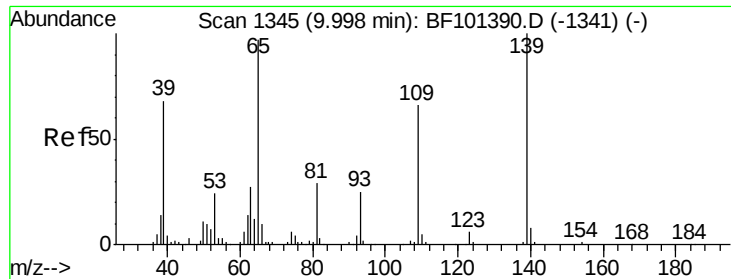
Tot Ion:184 Resp: 19096
 Ion Ratio Lower Upper
 184 100
 63 79.3 54.2 81.2
 154 59.6 184.0 276.0#



#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

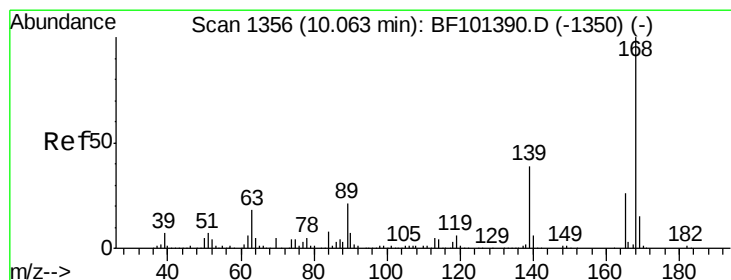
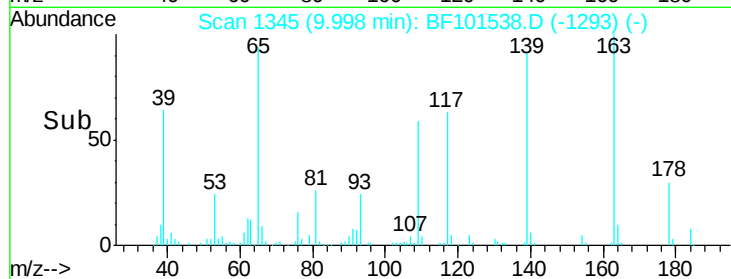
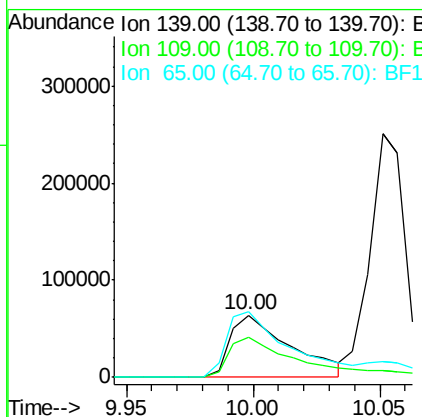
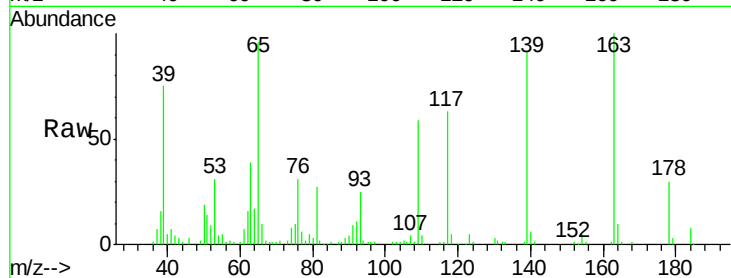




#55
4-Nitrophenol
Concen: 66.455 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

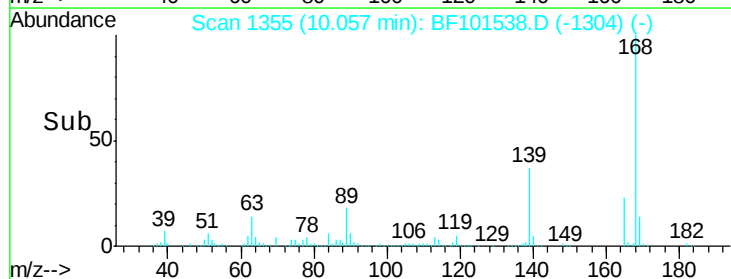
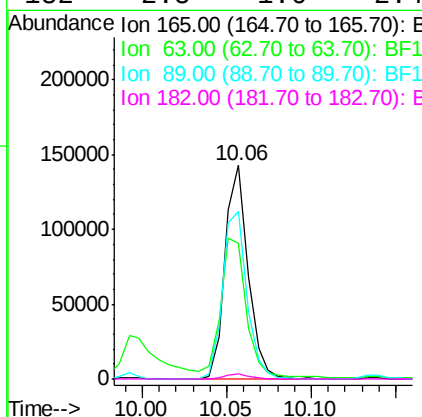
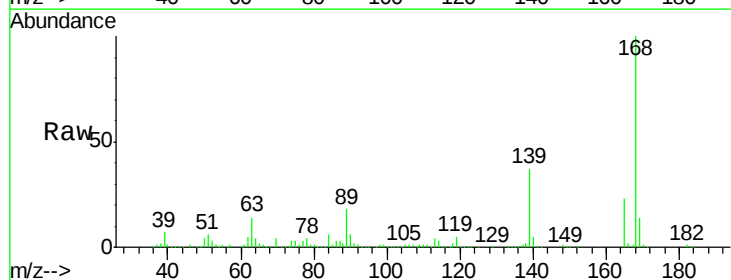
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

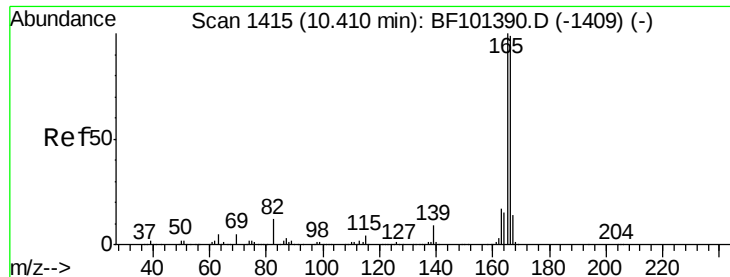
Tot Ion:139 Resp: 105870
Ion Ratio Lower Upper
139 100
109 64.7 48.4 88.4
65 105.4 72.6 112.6



#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

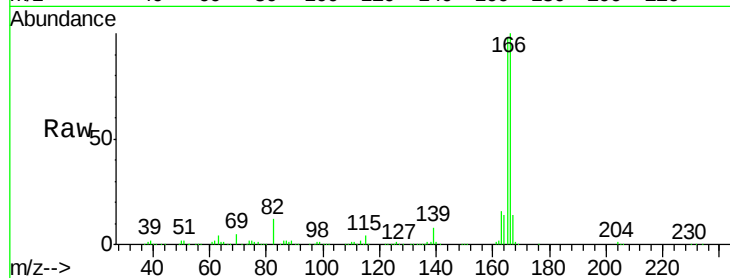
Tot Ion:166 Resp: 473263

Ion Ratio Lower Upper

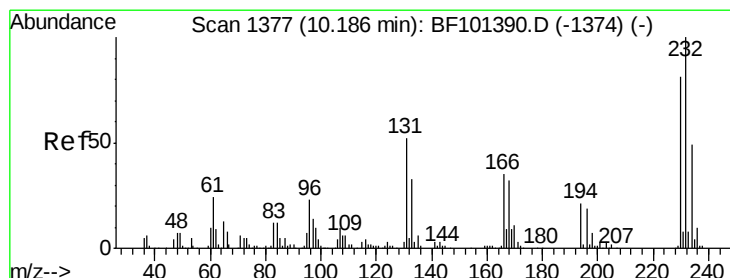
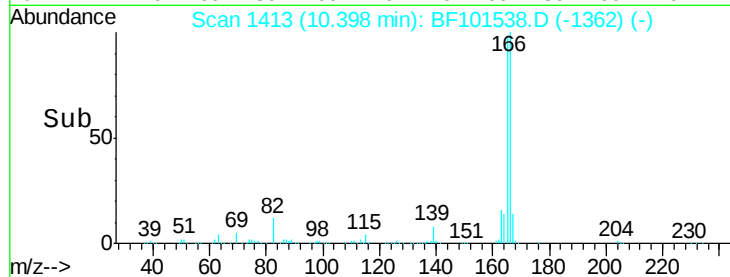
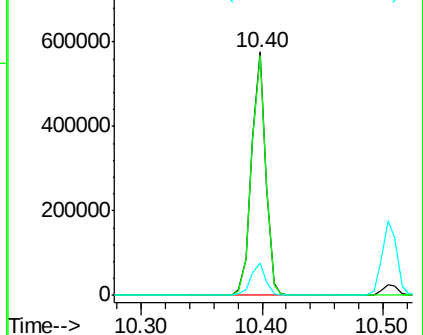
166 100

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

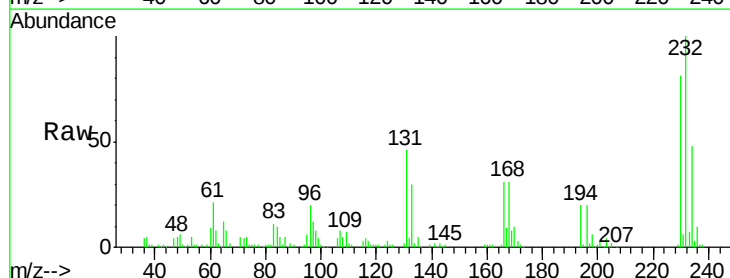
Ion Ratio Lower Upper

232 100

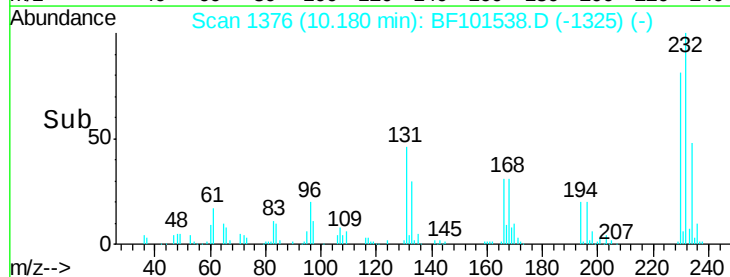
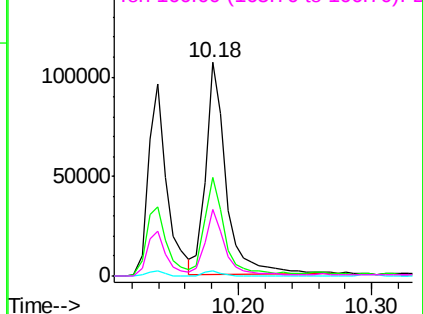
131 43.7 43.8 65.8#

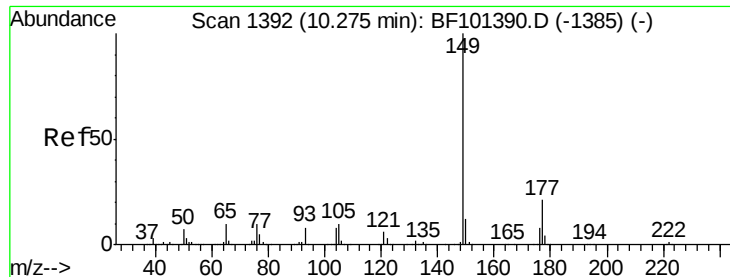
130 2.1 2.1 3.1

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

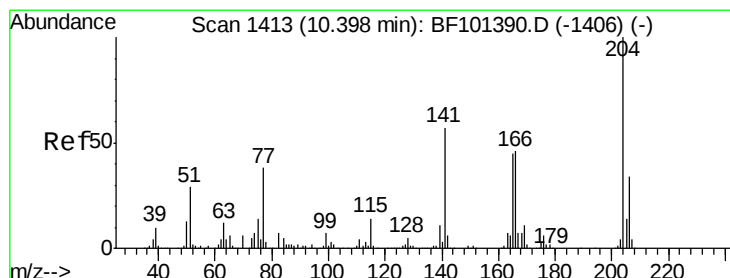
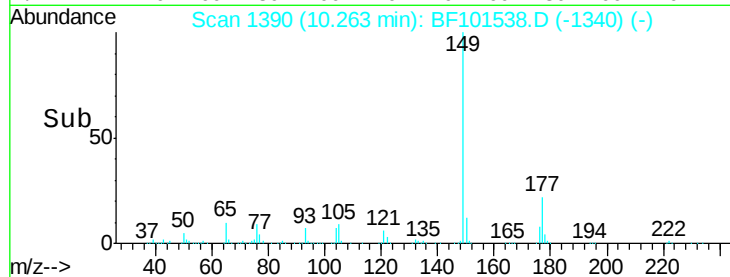
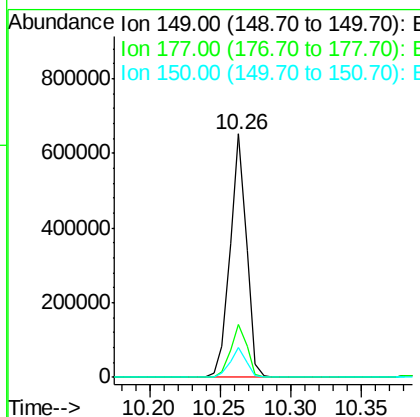
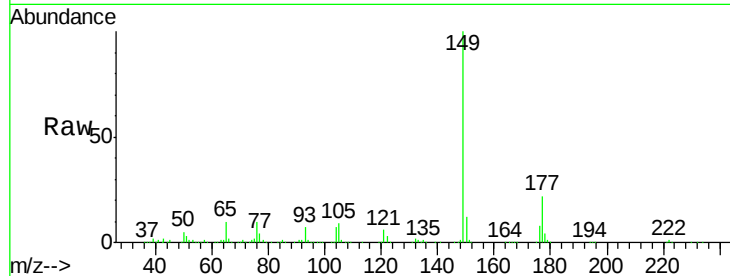




#59
Diethylphthalate
Concen: 36.844 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

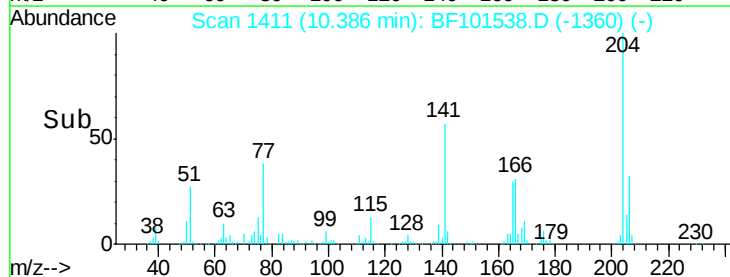
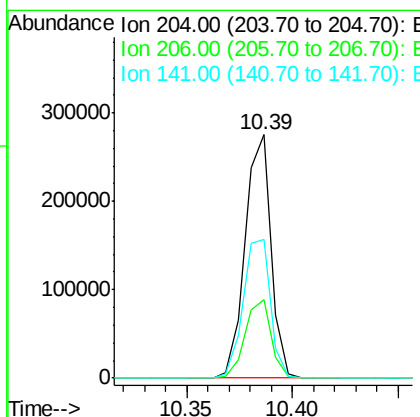
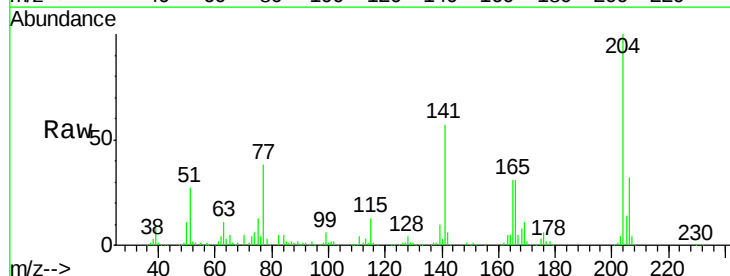
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

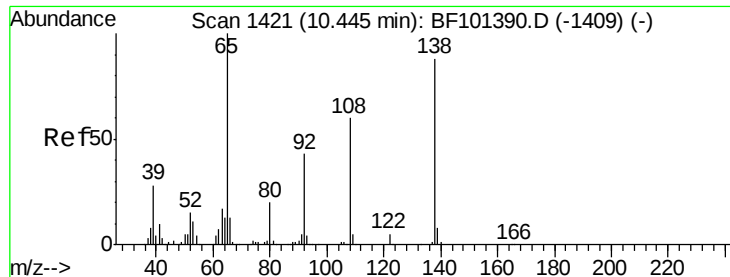
Tot Ion:149 Resp: 526073
Ion Ratio Lower Upper
149 100
177 21.8 16.1 24.1
150 12.2 10.1 15.1



#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

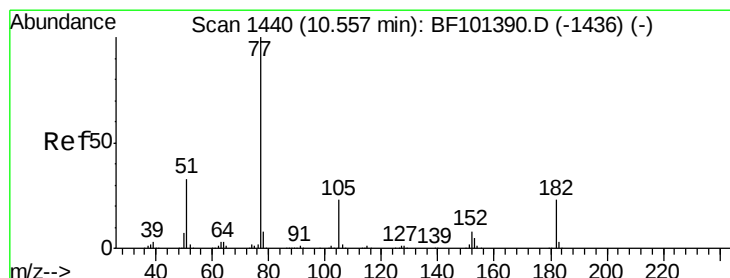
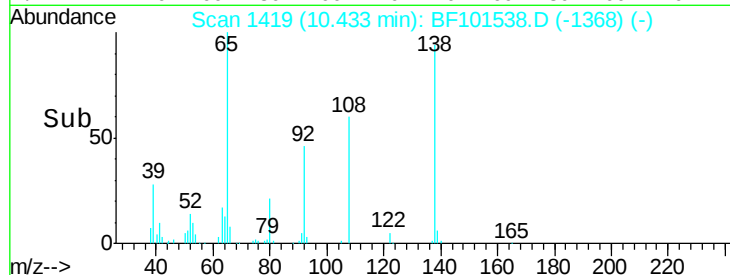
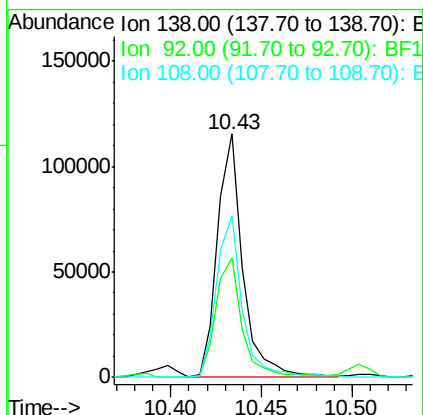
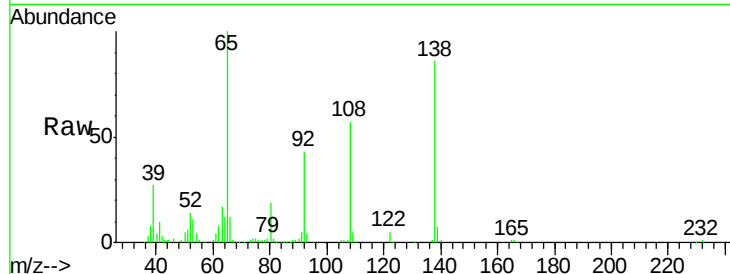




#61
4-Nitroaniline
Concen: 30.271 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

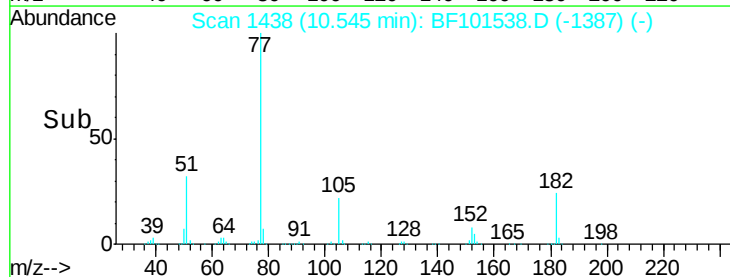
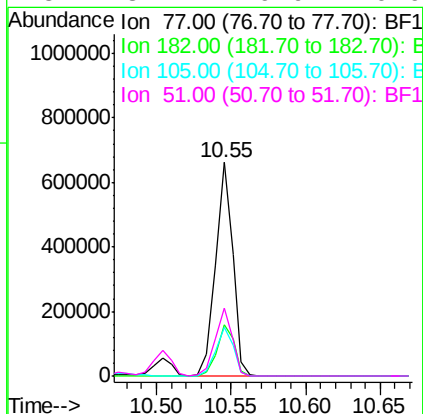
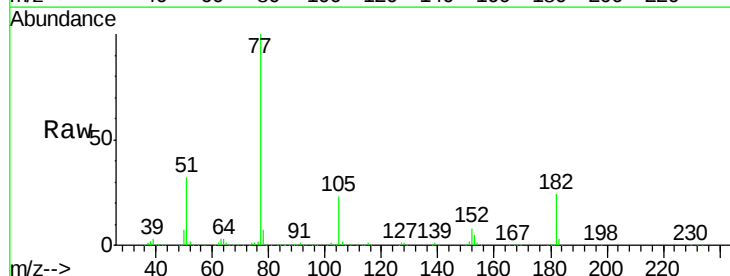
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

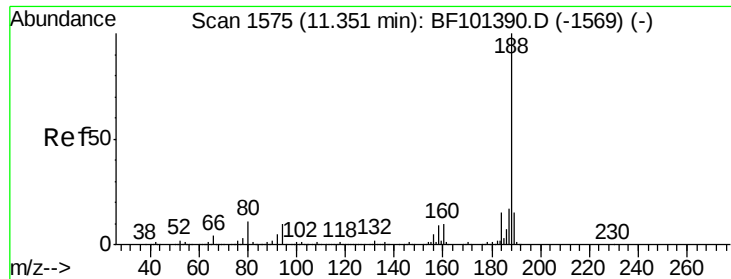
Tot Ion:138 Resp: 111167
Ion Ratio Lower Upper
138 100
92 49.3 30.2 70.2
108 66.6 52.5 92.5



#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

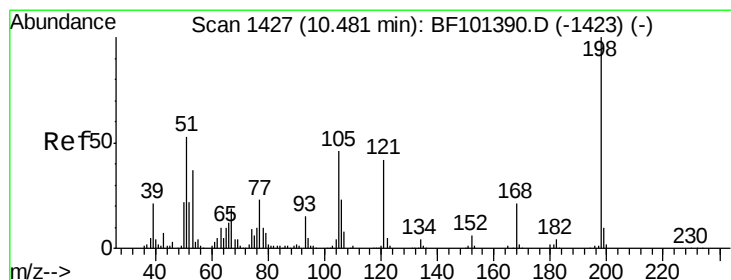
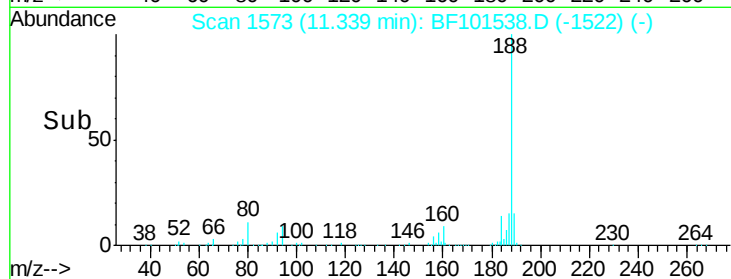
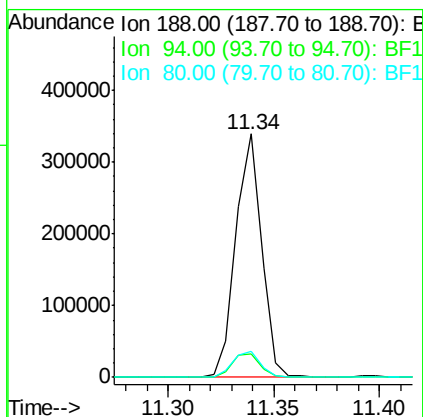
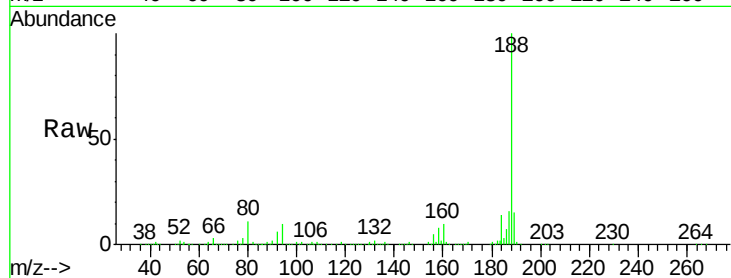




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

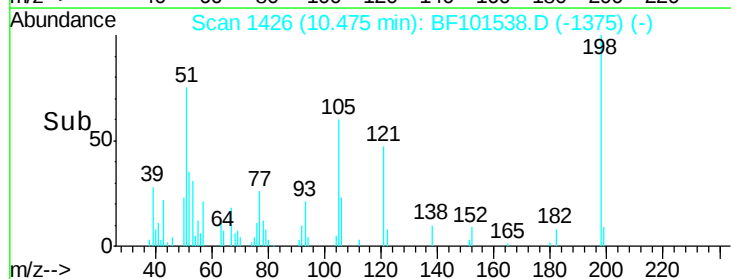
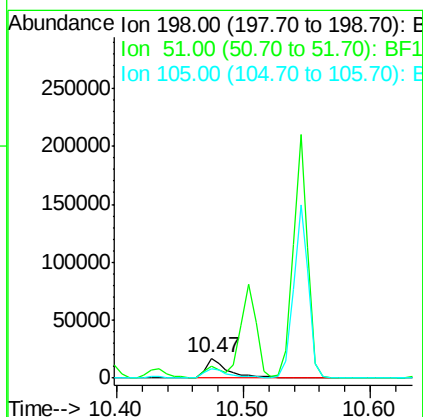
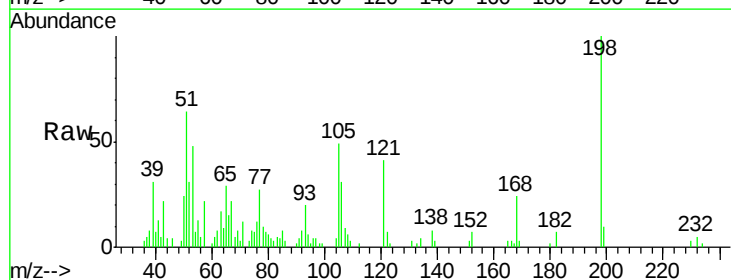
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

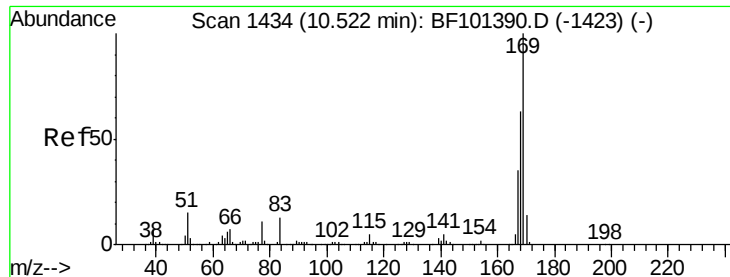
Tot Ion:188 Resp: 286749
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.7 9.2 13.8



#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

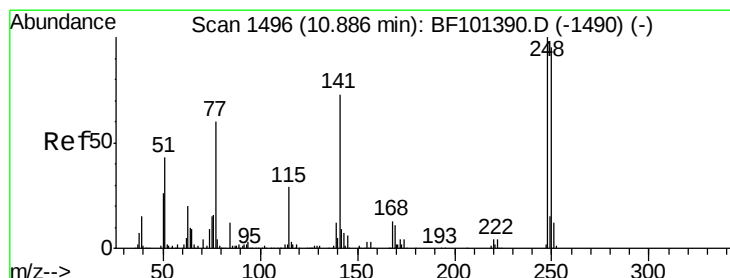
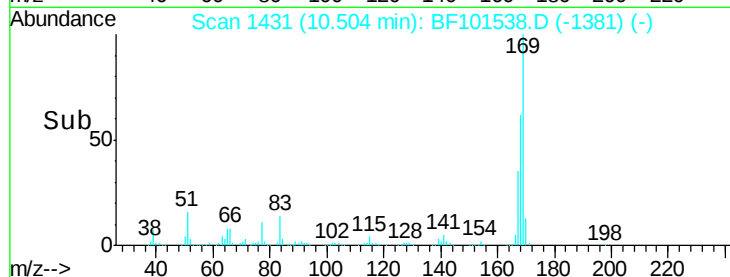
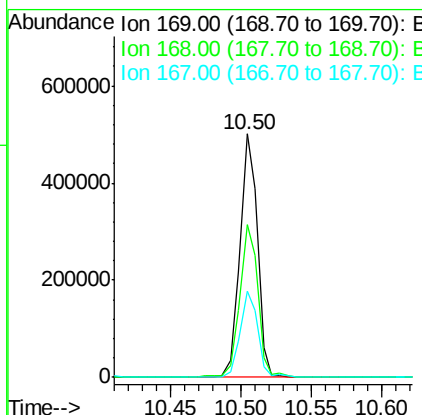
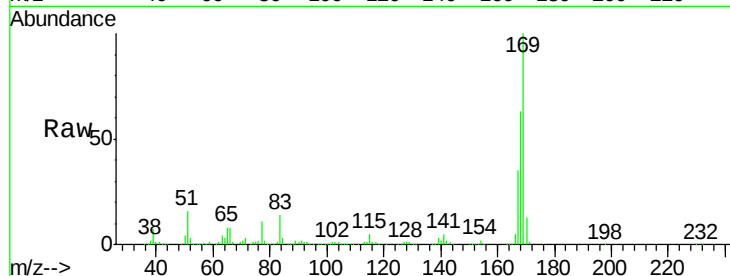




#65
 n-Nitrosodiphenylamine
 Concen: 40.699 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

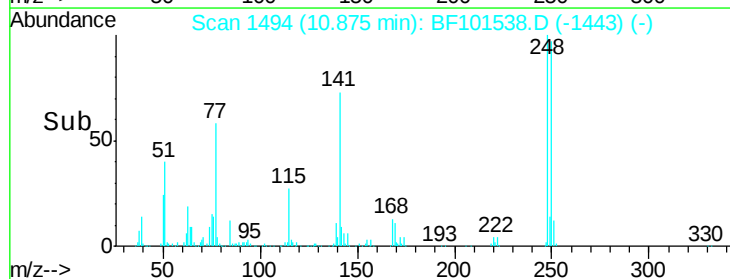
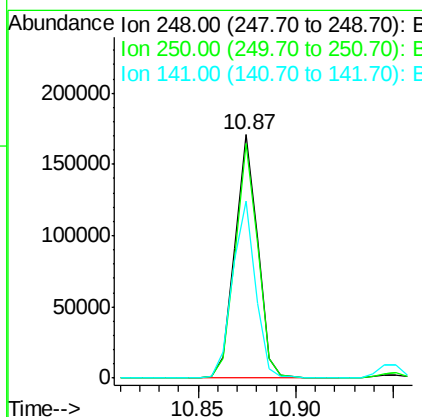
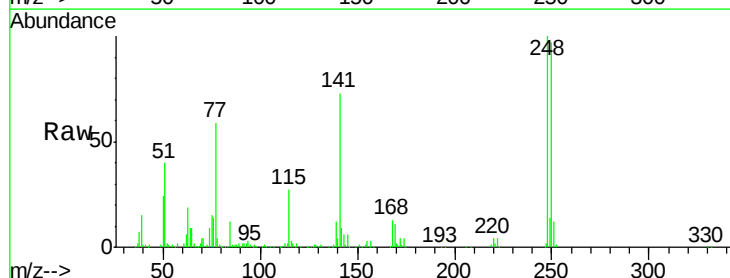
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

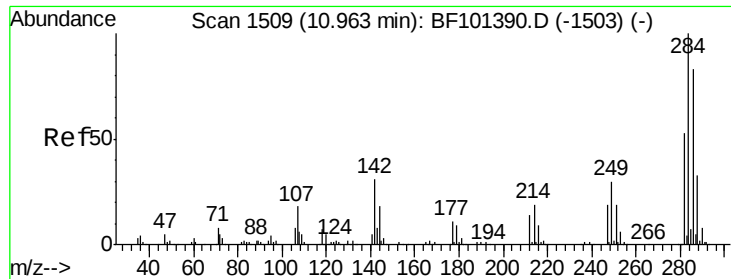
Tot Ion	Ratio	Lower	Upper
169	100		
168	62.6	54.4	81.6
167	35.3	29.8	44.6



#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	Ratio	Lower	Upper
248	100		
250	96.6	76.9	115.3
141	72.6	74.4	111.6#

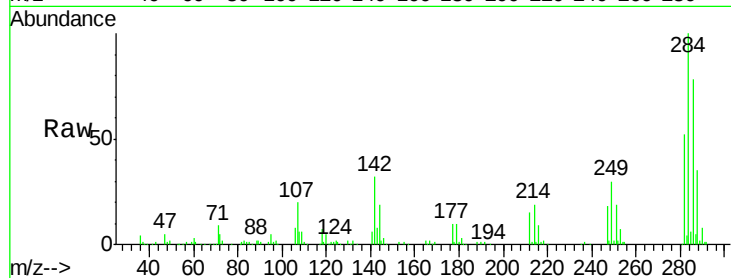




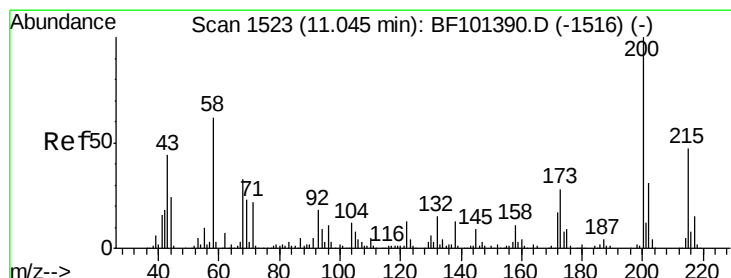
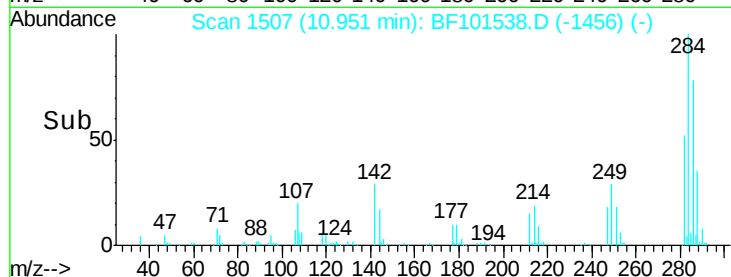
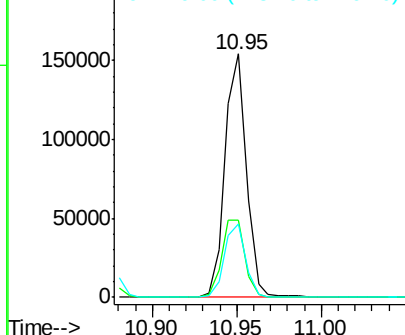
#67
Hexachlorobenzene
Concen: 39.798 ng
RT: 10.95 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

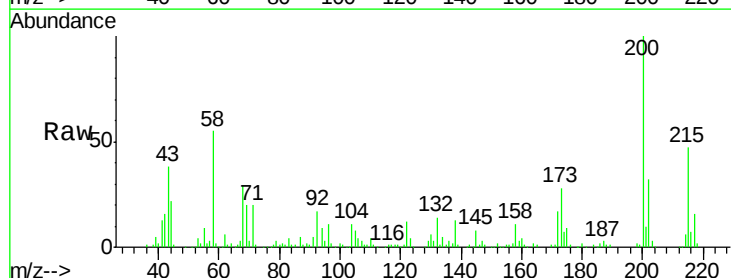


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

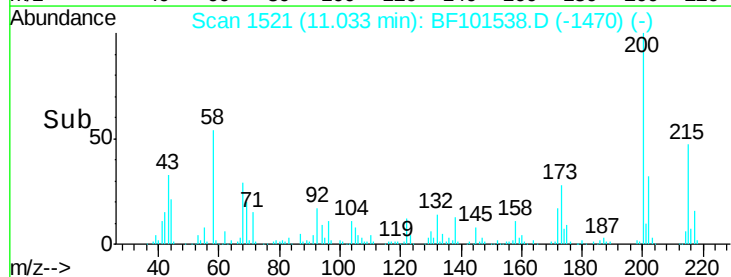
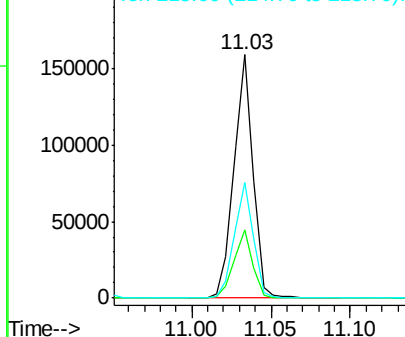


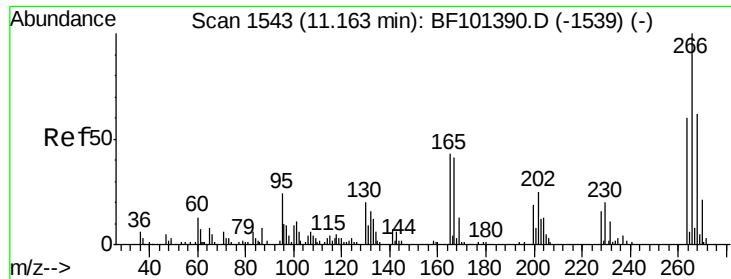
#68
Atrazine
Concen: 42.069 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

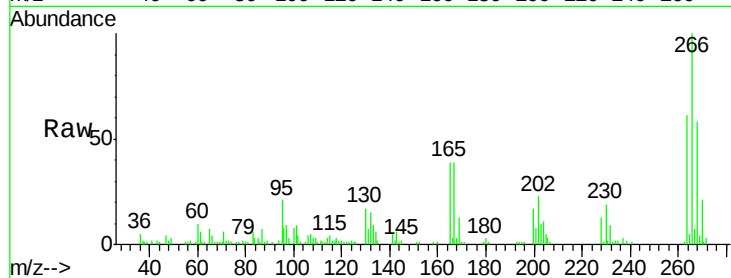




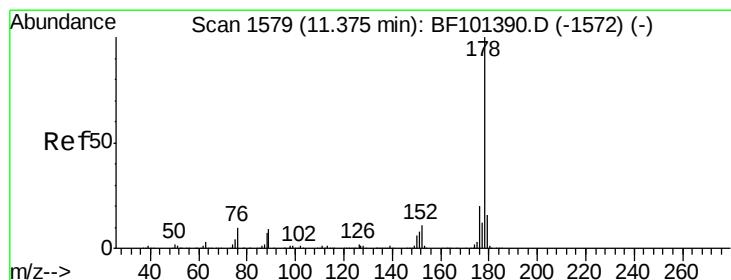
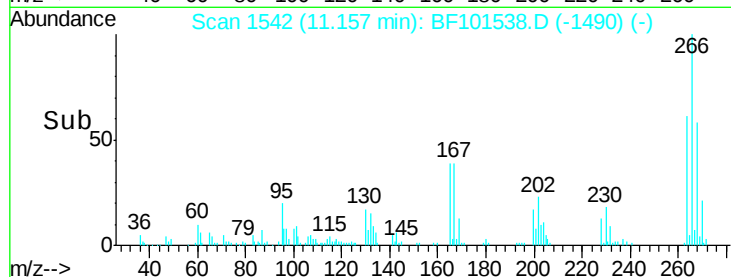
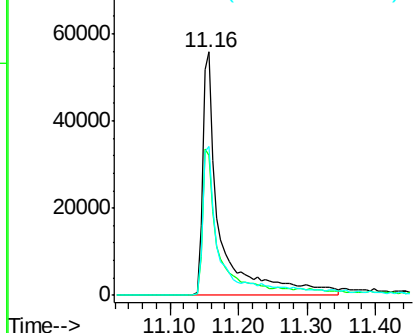
#69
 Pentachlorophenol
 Concen: 76.185 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

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

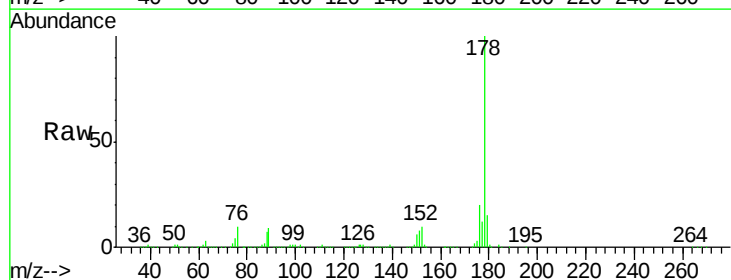


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

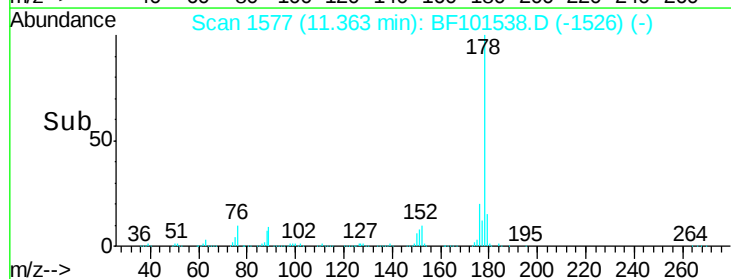
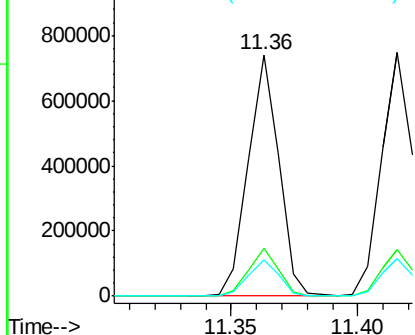


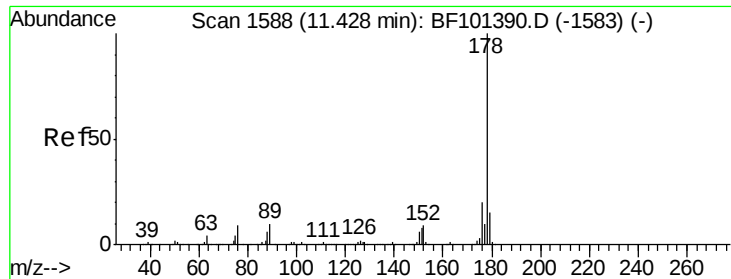
#70
 Phenanthrene
 Concen: 39.341 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

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

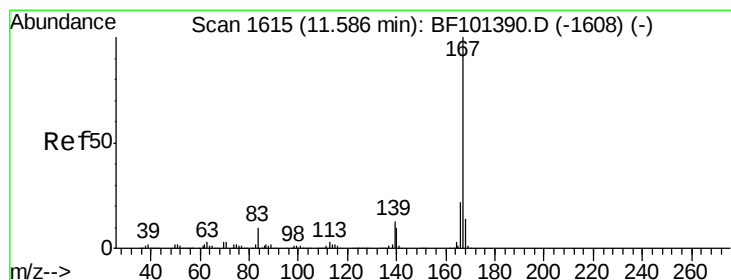
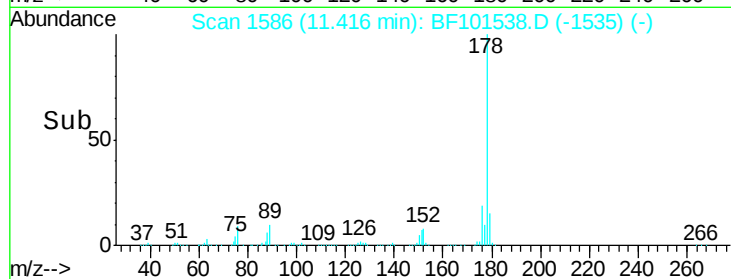
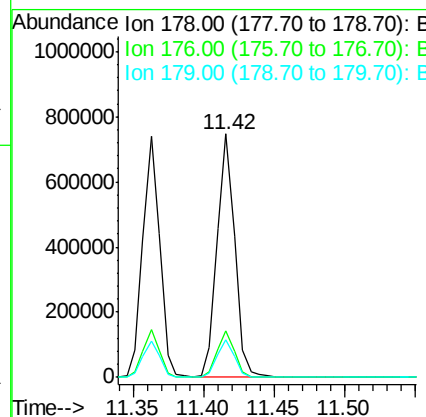
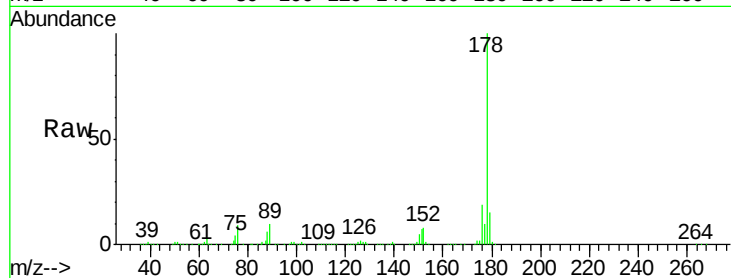




#71
 Anthracene
 Concen: 40.202 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

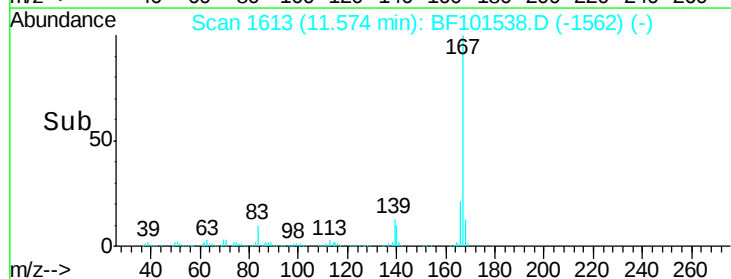
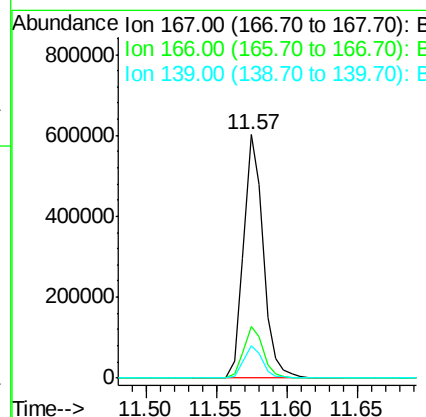
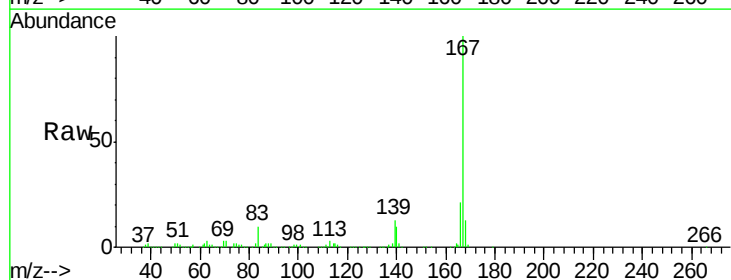
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

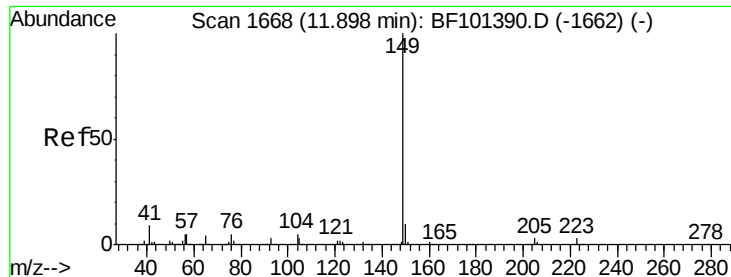
Tot Ion:178 Resp: 654853
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.2 12.6 19.0



#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

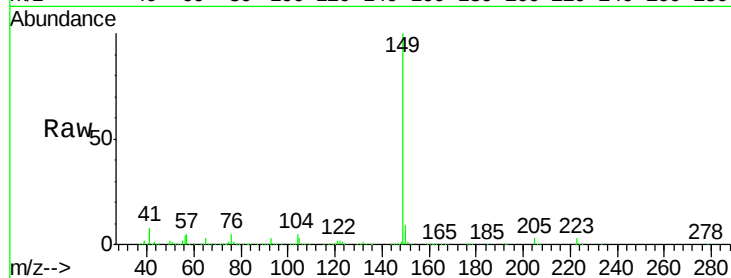
Tot Ion:149 Resp: 738710

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

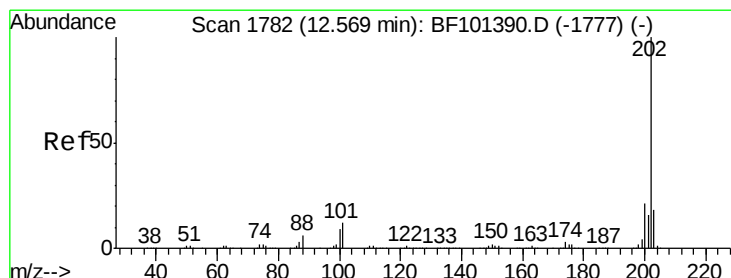
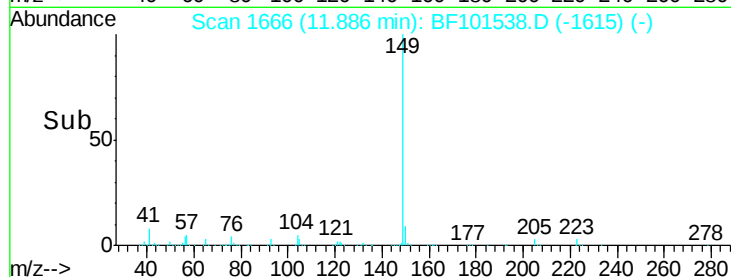
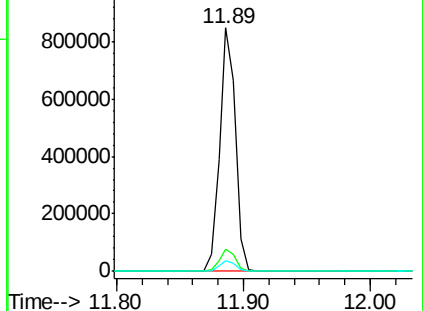
104 4.6 3.8 5.8



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

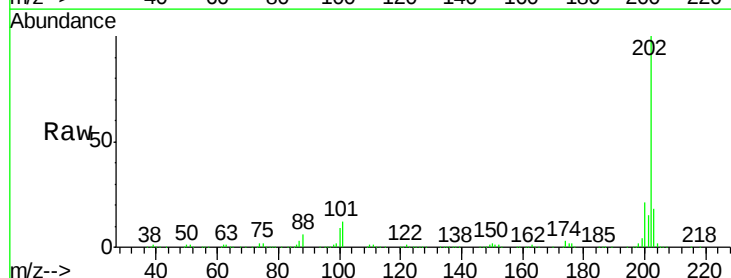
Tgt Ion:202 Resp: 717313

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

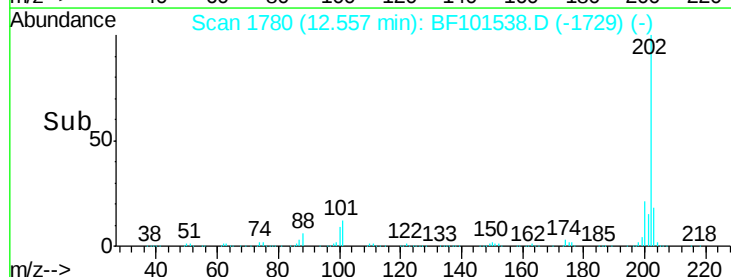
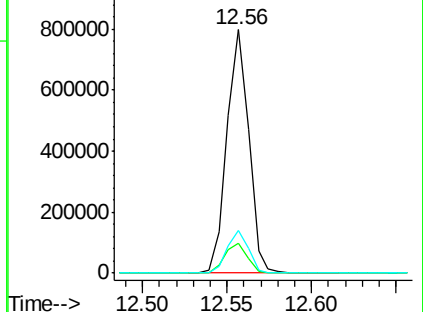
203 17.6 0.0 38.1

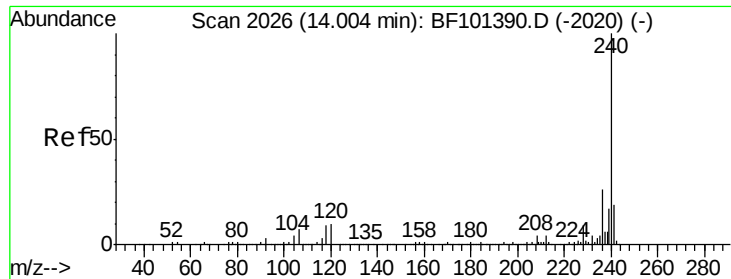


Abundance Ion 202.00 (201.70 to 202.70): E

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

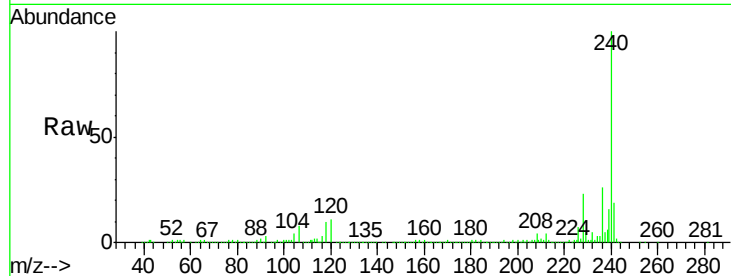
Tot Ion:240 Resp: 283700

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

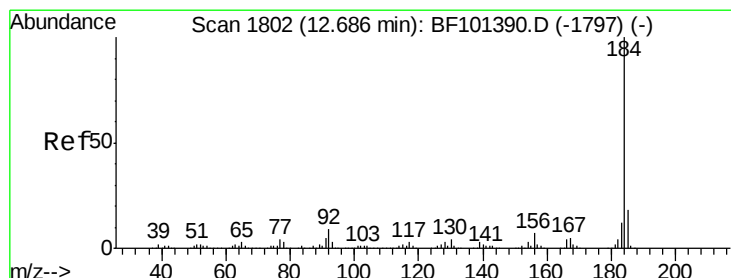
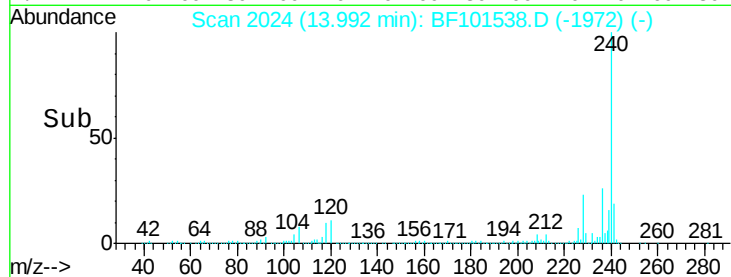
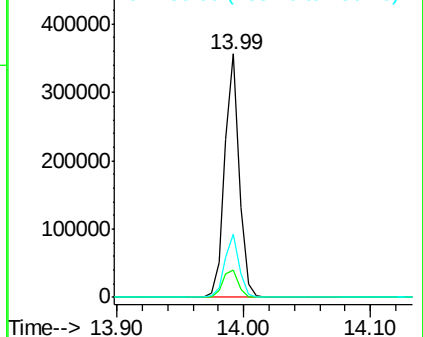
236 26.2 20.7 31.1



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

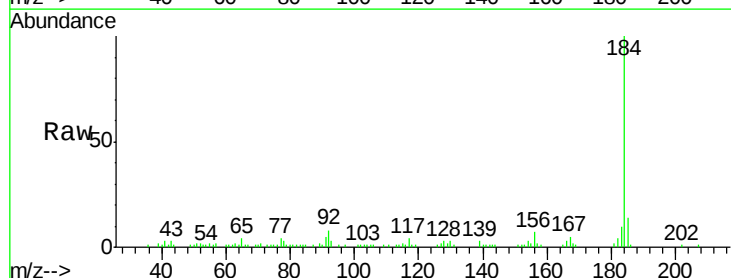
Tgt Ion:184 Resp: 60238

Ion Ratio Lower Upper

184 100

185 13.6 12.6 18.8

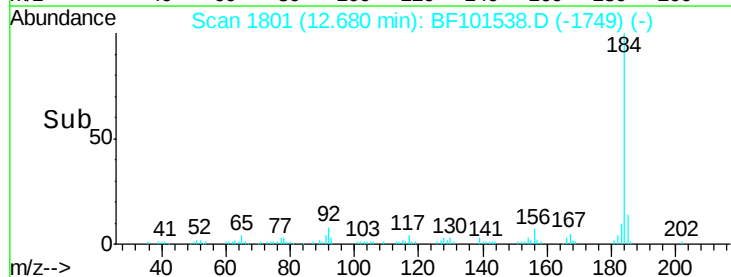
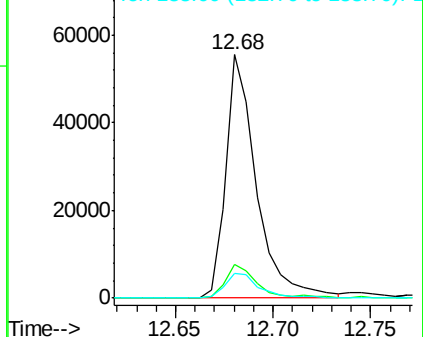
183 10.0 9.3 13.9

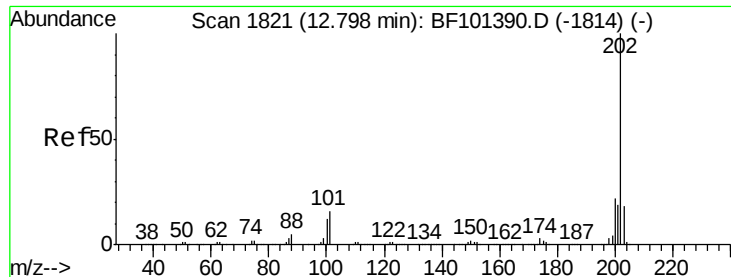


Abundance Ion 184.00 (183.70 to 184.70): E

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

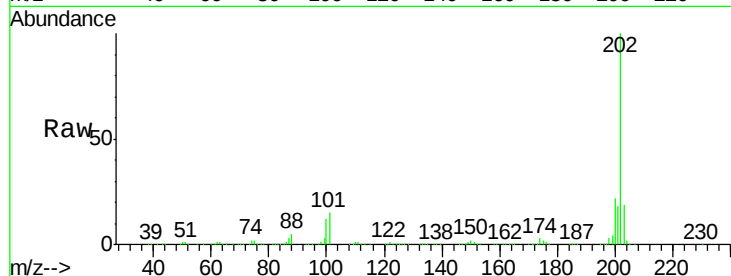
Tot Ion:202 Resp: 772606

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

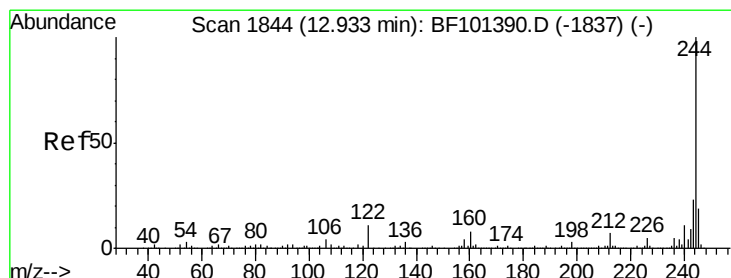
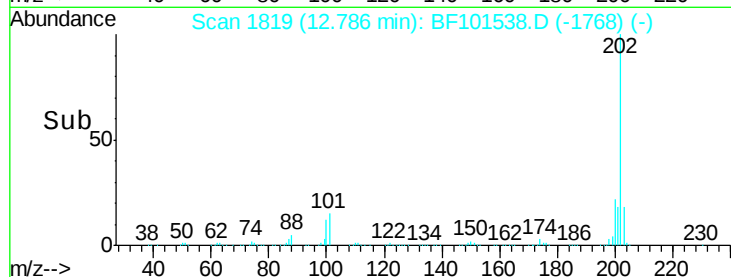
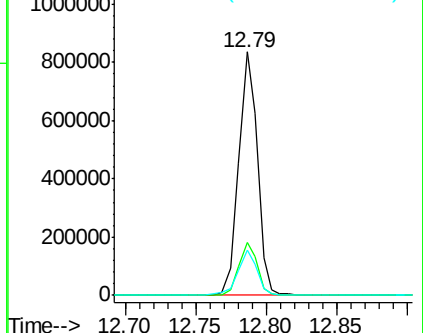
203 18.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#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

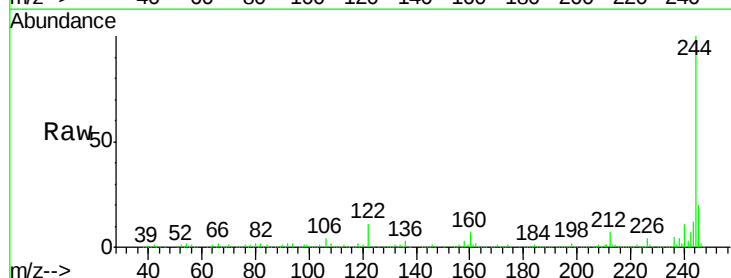
Tgt Ion:244 Resp: 906201

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

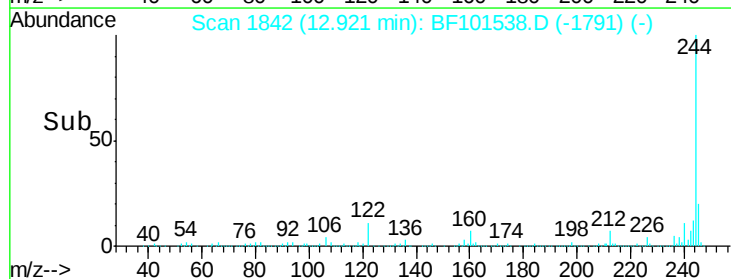
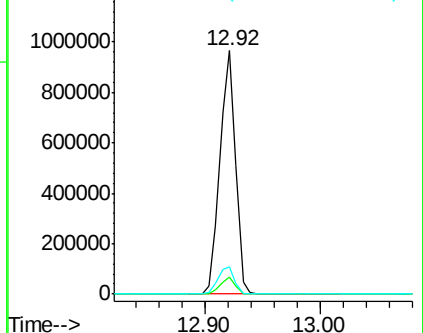
122 11.0 11.0 16.4

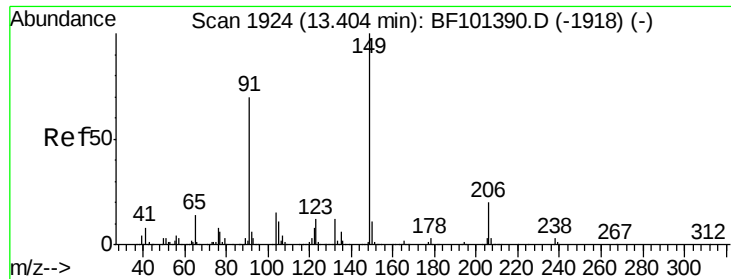


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

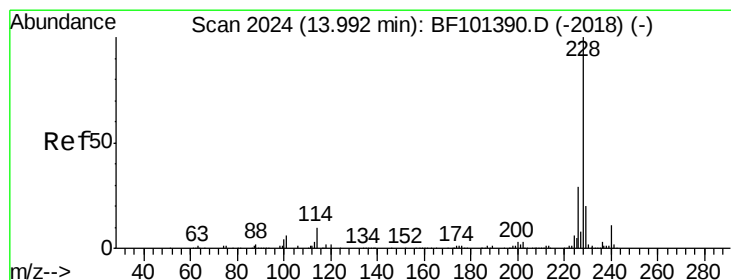
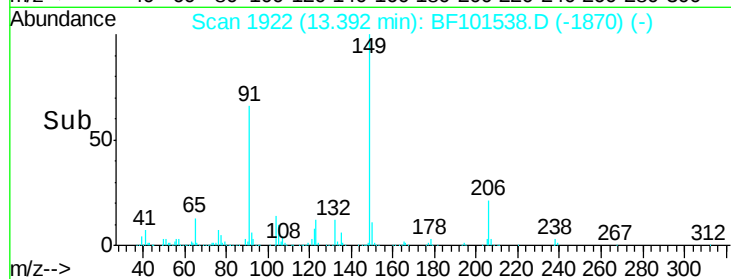
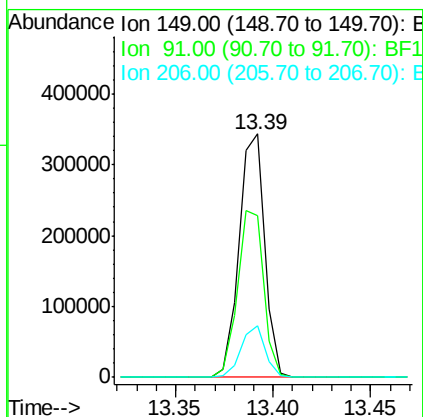
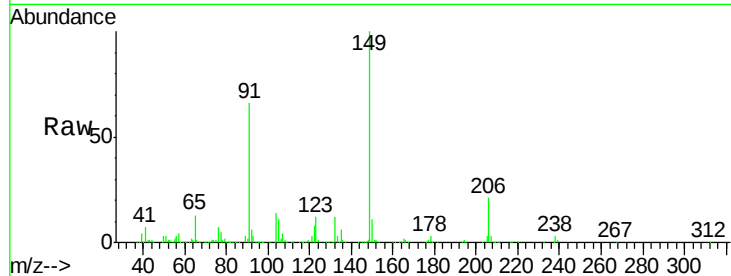




#79
Butylbenzylphthalate
Concen: 32.593 ng
RT: 13.39 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

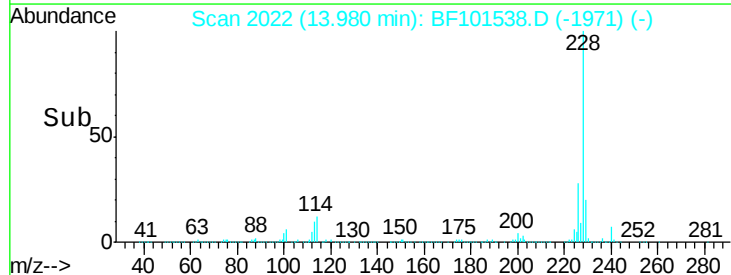
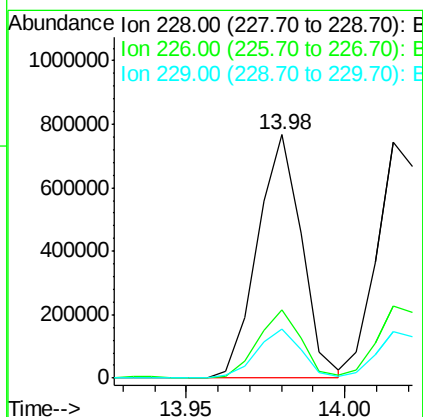
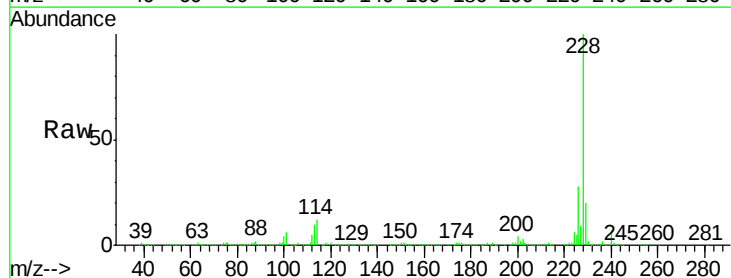
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

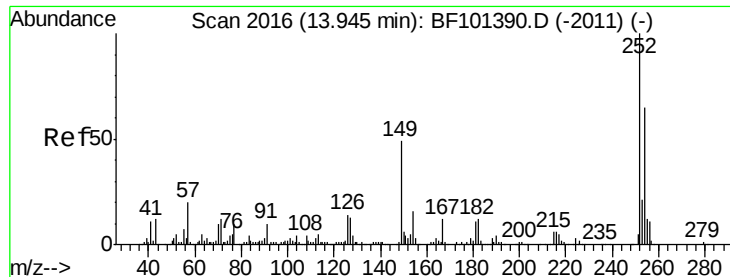
Tot Ion	Ratio	Lower	Upper
149	100		
91	66.4	56.8	85.2
206	21.0	14.1	21.1



#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	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.1	15.8	23.6

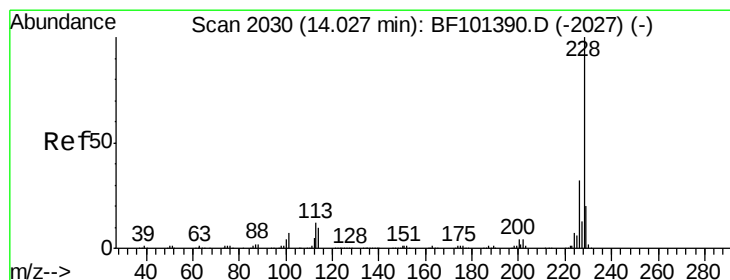
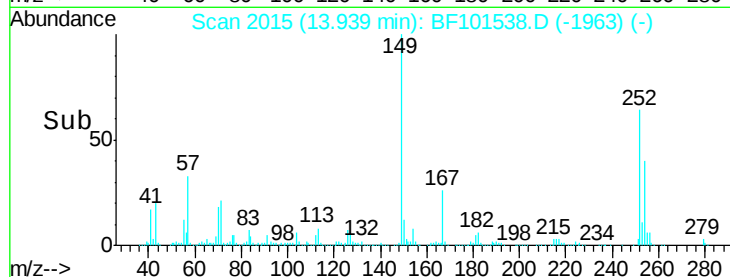
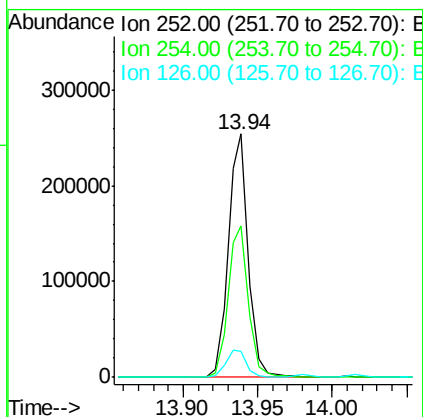
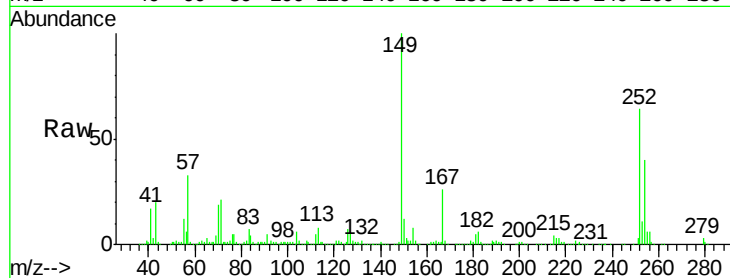




#81
 3,3'-Dichlorobenzidine
 Concen: 39.334 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BF101538.D
 Acq: 19 Dec 2017 22:24

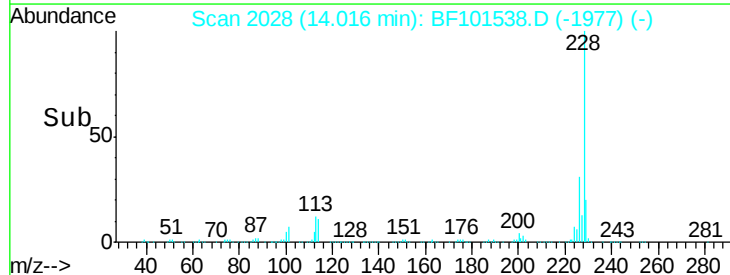
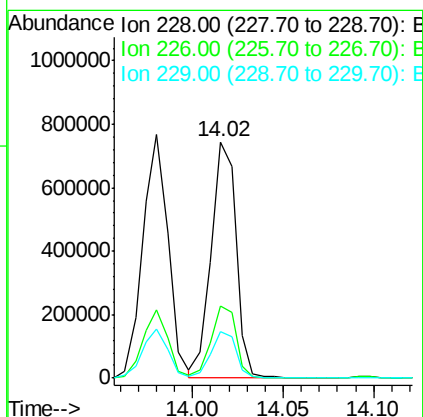
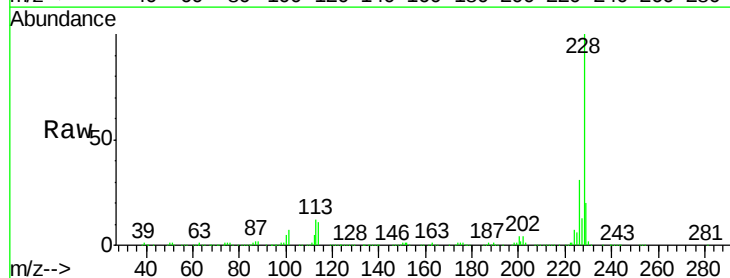
Instrument :
 BNA_F
 ClientSampleId :
 72-12000MSD

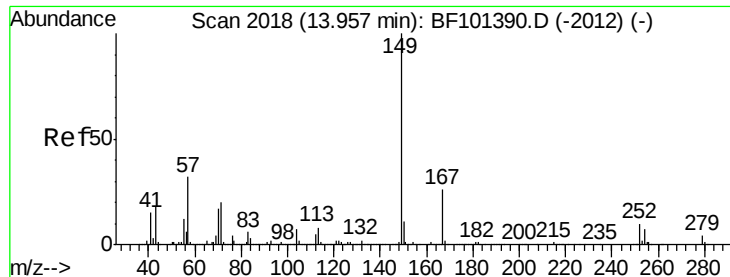
Tot Ion:252 Resp: 240262
 Ion Ratio Lower Upper
 252 100
 254 62.4 50.4 75.6
 126 10.7 11.3 16.9#



#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:228 Resp: 710783
 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

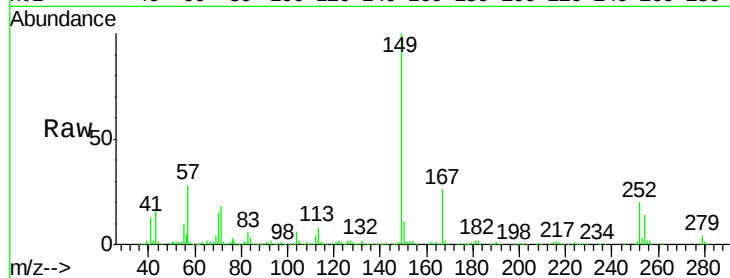
Tot Ion:149 Resp: 420457

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

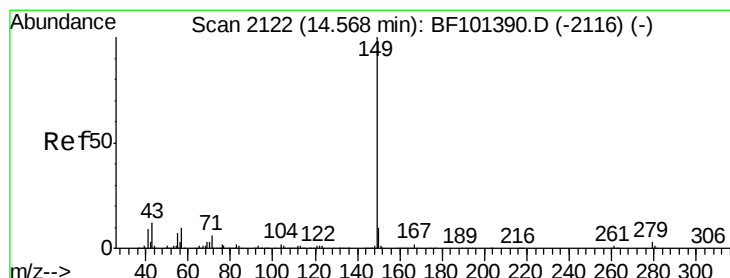
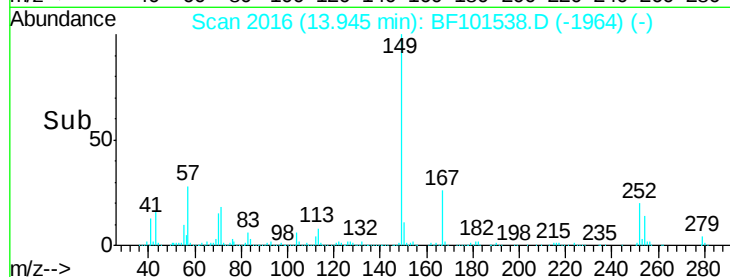
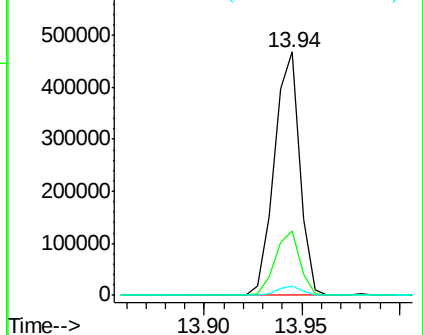
279 4.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#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

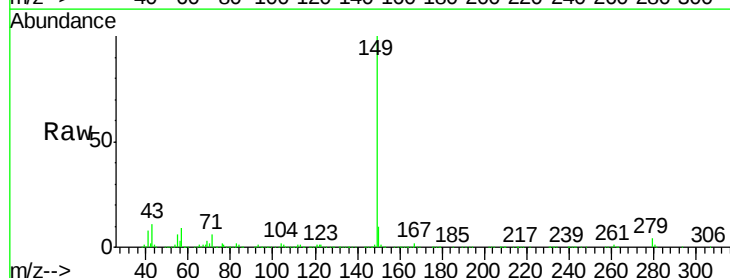
Tgt Ion:149 Resp: 836762

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

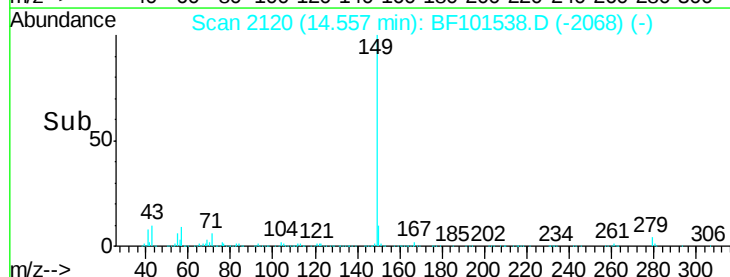
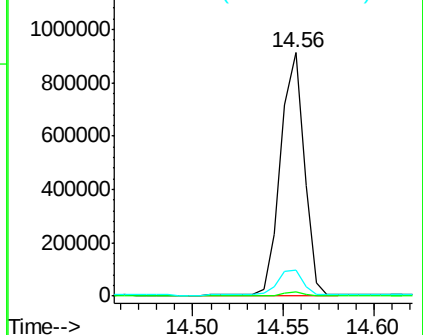
43 11.2 8.4 12.6

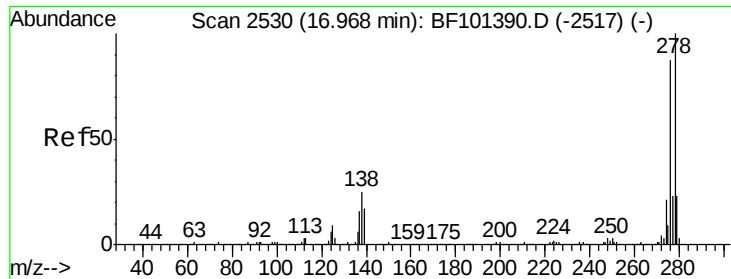


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

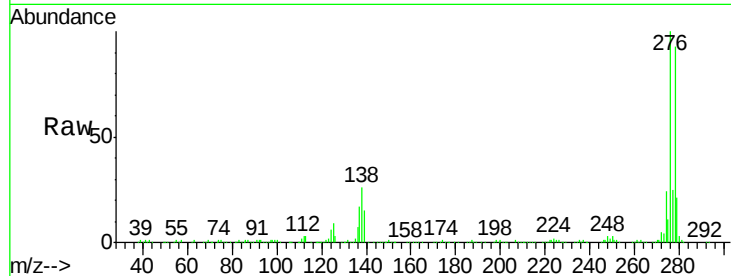




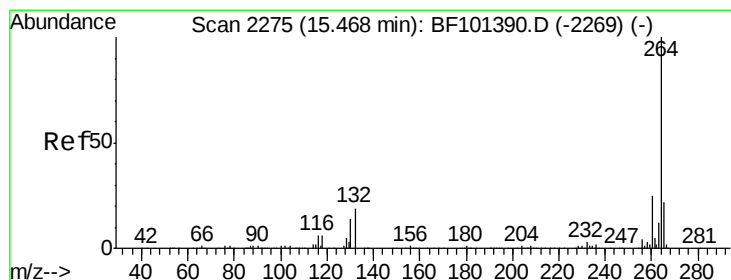
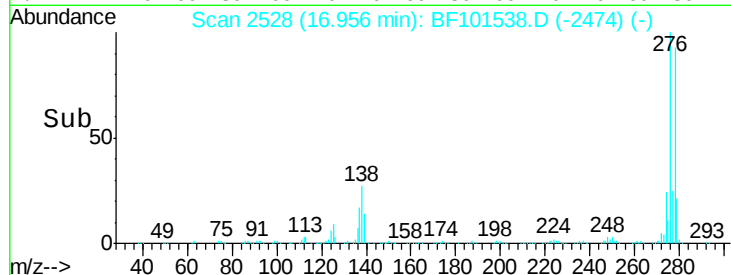
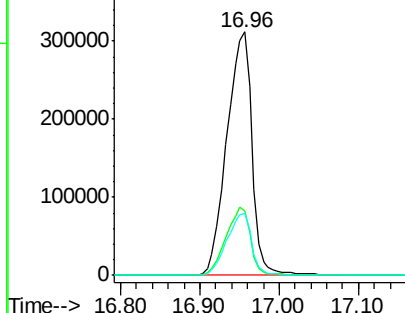
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.457 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.02 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

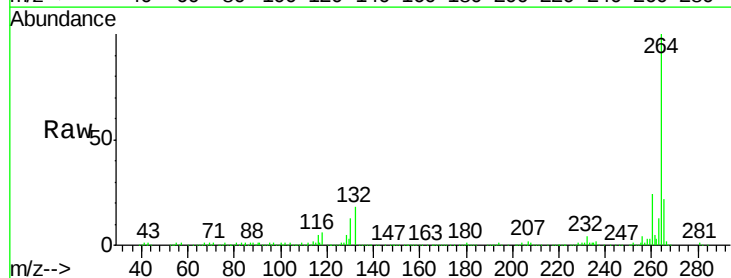


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

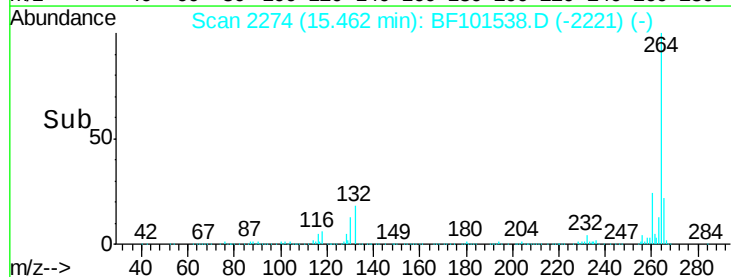
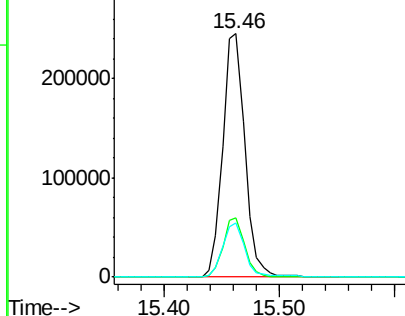


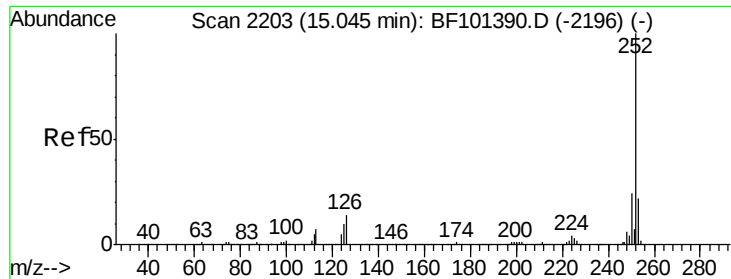
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

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

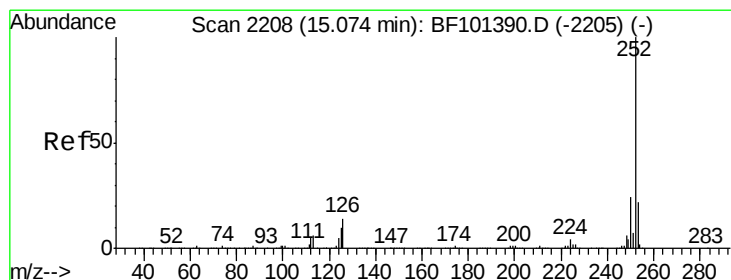
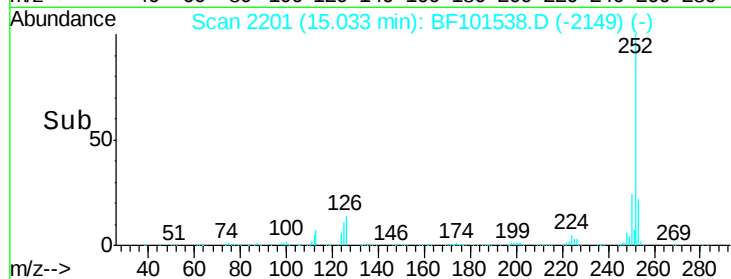
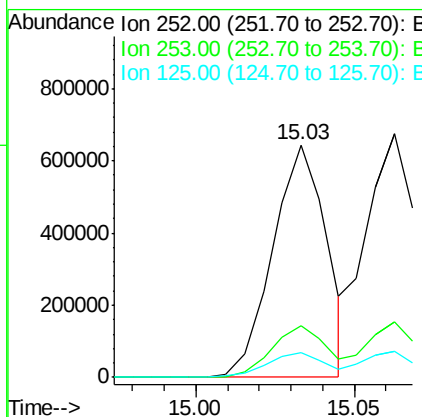
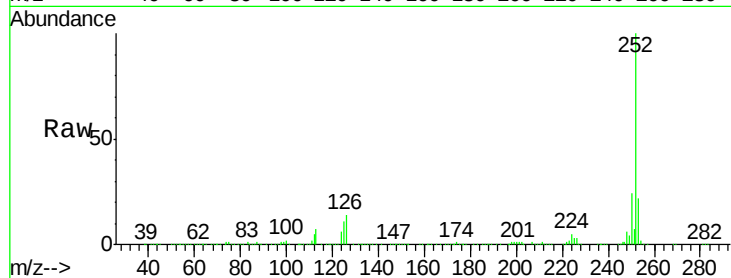




#87
Benzo(b)fluoranthene
Concen: 38.209 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101538.D
Acq: 19 Dec 2017 22:24

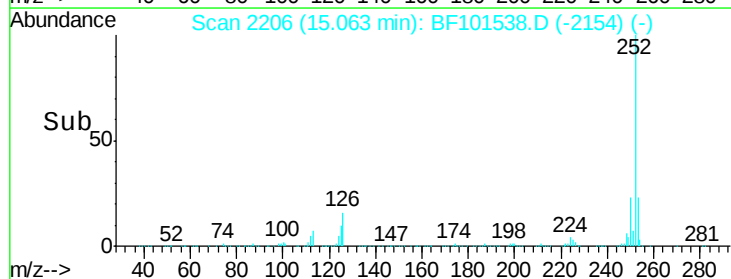
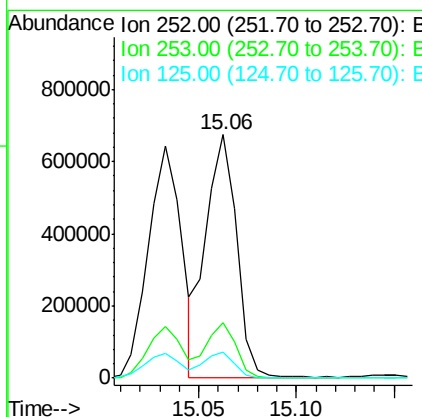
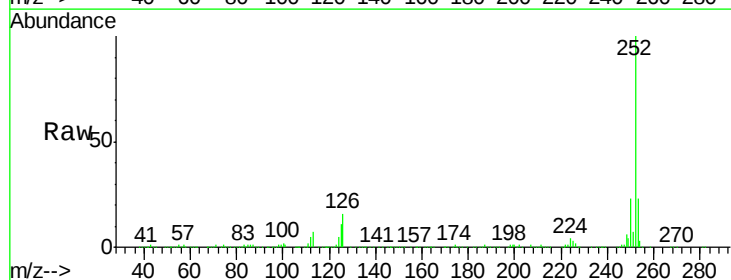
Instrument :
BNA_F
ClientSampleId :
72-12000MSD

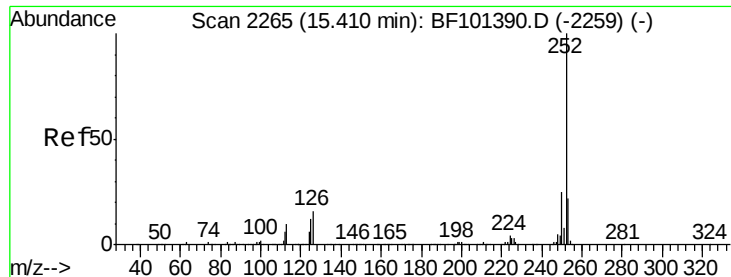
Tot Ion:252 Resp: 762754
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 10.8 9.0 13.6



#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

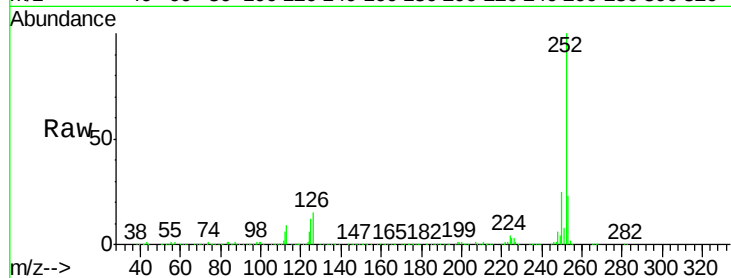
Tot Ion:252 Resp: 728347

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

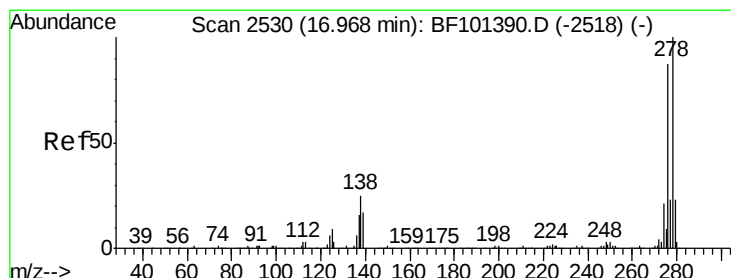
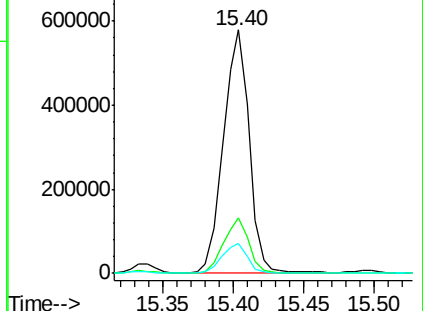
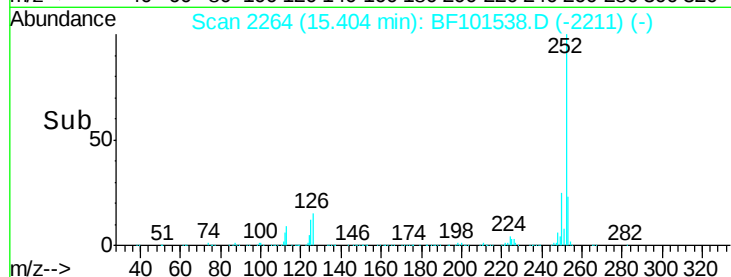
125 12.1 9.8 14.6



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

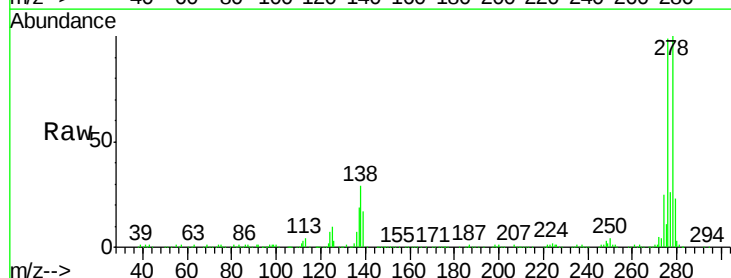
Tgt Ion:278 Resp: 582917

Ion Ratio Lower Upper

278 100

139 17.4 15.9 23.9

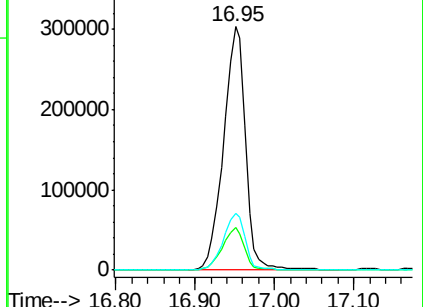
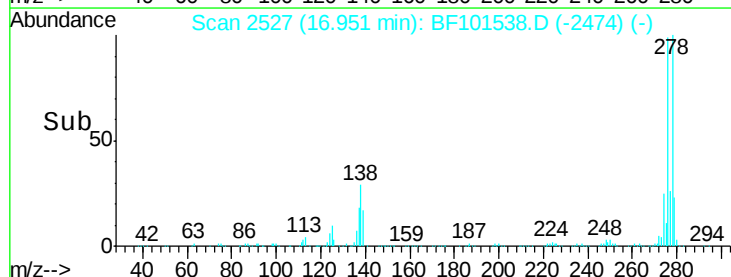
279 23.3 19.0 28.4

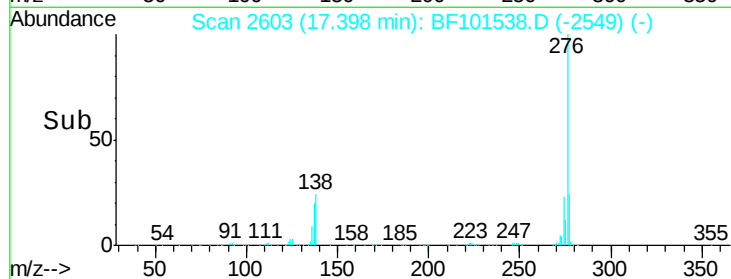
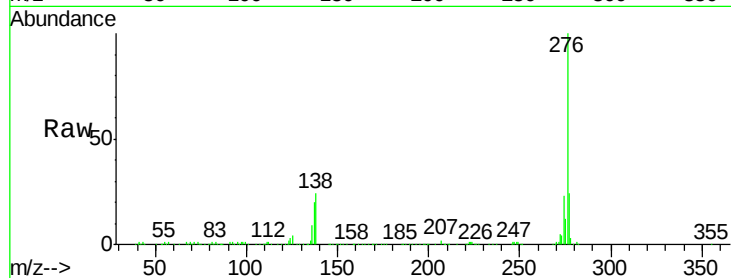
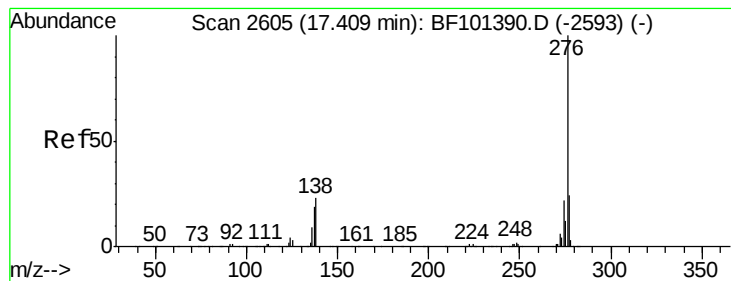


Abundance Ion 278.00 (277.70 to 278.70): E

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

