

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101179.D
 Acq On : 6 Dec 2017 20:26
 Operator : SJ/JU
 Sample : I6738-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Quant Time: Dec 06 23:52:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	45121	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	175007	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	74471	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	109804	20.00	ng	0.01
75) Chrysene-d12	14.03	240	98645	20.00	ng	0.00
86) Perylene-d12	15.50	264	99330	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	299381	109.64	ng	0.01
7) Phenol-d6	6.49	99	359402	108.41	ng	0.00
23) Nitrobenzene-d5	7.42	82	216733	73.88	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	79742	89.14	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	445096	81.77	ng	0.00
78) Terphenyl-d14	12.96	244	308914	68.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	32510	28.792	ng	# 94
3) Pyridine	3.43	79	58689	20.050	ng	92
4) n-Nitrosodimethylamine	3.36	42	49730	34.785	ng	# 88
6) Aniline	6.52	93	101271	23.491	ng	98
8) 2-Chlorophenol	6.64	128	107642	36.155	ng	94
9) Benzaldehyde	6.40	77	37561	18.512	ng	90
10) Phenol	6.50	94	142439	38.641	ng	92
11) bis(2-Chloroethyl)ether	6.59	93	99942	36.146	ng	99
12) 1,3-Dichlorobenzene	6.79	146	122958	35.468	ng	98
13) 1,4-Dichlorobenzene	6.86	146	123692	34.462	ng	99
14) 1,2-Dichlorobenzene	7.02	146	115315	34.445	ng	96
15) Benzyl Alcohol	6.99	79	89327	34.887	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	152251	40.509	ng	95
17) 2-Methylphenol	7.10	107	86742	36.081	ng	98
18) Hexachloroethane	7.36	117	36313	31.491	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	73093	32.738	ng	96
20) 3+4-Methylphenols	7.26	107	111601	35.595	ng	# 71
22) Acetophenone	7.26	105	142748	33.762	ng	# 93
24) Nitrobenzene	7.43	77	105714	36.766	ng	99
25) Isophorone	7.67	82	192925	38.499	ng	98
26) 2-Nitrophenol	7.75	139	54091	34.270	ng	93
27) 2,4-Dimethylphenol	7.79	122	91325	39.997	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	121486	36.071	ng	98
29) 2,4-Dichlorophenol	7.99	162	93404	37.582	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	98857	36.173	ng	95
31) Naphthalene	8.16	128	302991	35.128	ng	98
32) Benzoic acid	7.90	122	39874	22.453	ng	98
33) 4-Chloroaniline	8.20	127	73695	21.264	ng	98
34) Hexachlorobutadiene	8.26	225	58156	34.696	ng	97
35) Caprolactam	8.58	113	24353	31.441	ng	90
36) 4-Chloro-3-methylphenol	8.69	107	89069	34.597	ng	92
37) 2-Methylnaphthalene	8.85	142	203289	34.687	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	92551	34.210	ng	# 96
40) Hexachlorocyclopentadiene	8.99	237	13546	20.506	ng	99

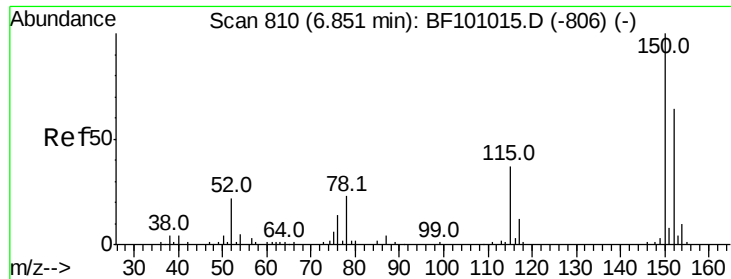
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101179.D
 Acq On : 6 Dec 2017 20:26
 Operator : SJ/JU
 Sample : I6738-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Quant Time: Dec 06 23:52:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	62038	39.118	ng	97
43) 2,4,5-Trichlorophenol	9.17	196	64103	37.808	ng	# 90
45) 1,1'-Biphenyl	9.31	154	235226	34.475	ng	96
46) 2-Chloronaphthalene	9.33	162	182856	37.737	ng	98
47) 2-Nitroaniline	9.43	65	54308	37.881	ng	99
48) Acenaphthylene	9.75	152	268631	33.734	ng	99
49) Dimethylphthalate	9.61	163	251347	41.850	ng	98
50) 2,6-Dinitrotoluene	9.67	165	44295	35.016	ng	98
51) Acenaphthene	9.92	154	158562	33.253	ng	98
52) 3-Nitroaniline	9.85	138	46495	32.684	ng	94
53) 2,4-Dinitrophenol	9.96	184	9327	18.300	ng	# 26
54) Dibenzofuran	10.10	168	233726	34.014	ng	98
55) 4-Nitrophenol	10.02	139	53862	56.143	ng	89
56) 2,4-Dinitrotoluene	10.09	165	52844	31.171	ng	# 92
57) Fluorene	10.44	166	174717	31.278	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	44607	32.859	ng	# 85
59) Diethylphthalate	10.31	149	198114	33.443	ng	96
60) 4-Chlorophenyl-phenylether	10.43	204	88069	31.932	ng	97
61) 4-Nitroaniline	10.46	138	38537	26.097	ng	98
62) Azobenzene	10.59	77	159271	31.681	ng	95
64) 4,6-Dinitro-2-methylphenol	10.50	198	8971	12.181	ng	# 82
65) n-Nitrosodiphenylamine	10.55	169	163895	42.309	ng	93
66) 4-Bromophenyl-phenylether	10.92	248	53317	43.380	ng	91
67) Hexachlorobenzene	11.00	284	48926	37.142	ng	# 86
68) Atrazine	11.08	200	52410	44.106	ng	93
69) Pentachlorophenol	11.19	266	41489	57.283	ng	99
70) Phenanthrene	11.41	178	219728	36.338	ng	99
71) Anthracene	11.46	178	219904	35.932	ng	98
72) Carbazole	11.62	167	187939	33.611	ng	99
73) Di-n-butylphthalate	11.94	149	262726	37.486	ng	99
74) Fluoranthene	12.60	202	214721	32.034	ng	95
76) Benzidine	12.72	184	20861	6.503	ng	# 85
77) Pyrene	12.83	202	215550	31.667	ng	99
79) Butylbenzylphthalate	13.43	149	93656	31.208	ng	92
80) Benzo(a)anthracene	14.02	228	211605	33.975	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	55548	25.752	ng	# 96
82) Chrysene	14.05	228	204570	35.366	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	131987	30.845	ng	98
84) Di-n-octyl phthalate	14.60	149	227572	31.942	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	199265	38.748	ng	# 92
87) Benzo(b)fluoranthene	15.07	252	201958	33.945	ng	98
88) Benzo(k)fluoranthene	15.10	252	209070	35.667	ng	# 96
89) Benzo(a)pyrene	15.44	252	192484	35.586	ng	99
90) Dibenzo(a,h)anthracene	17.00	278	167176	35.058	ng	# 94
91) Benzo(g,h,i)perylene	17.44	276	155899	34.691	ng	# 92

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

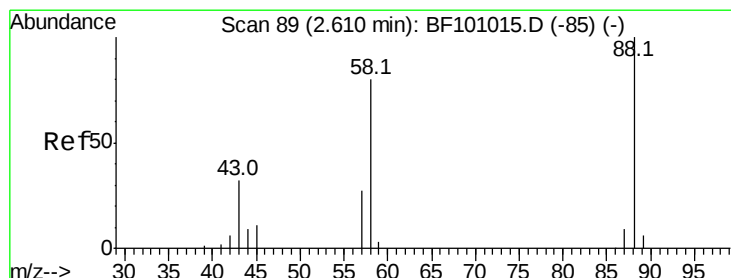
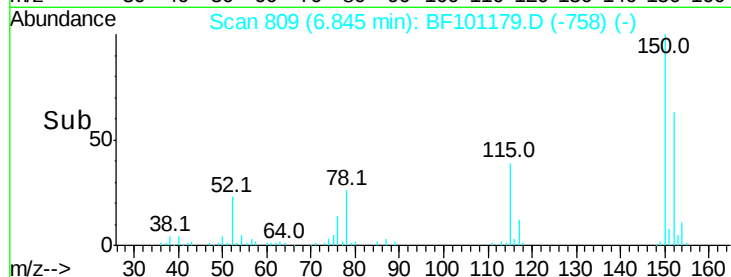
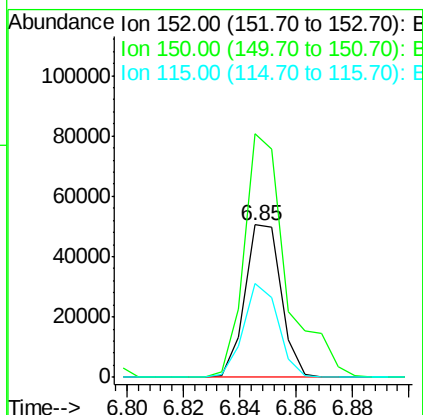
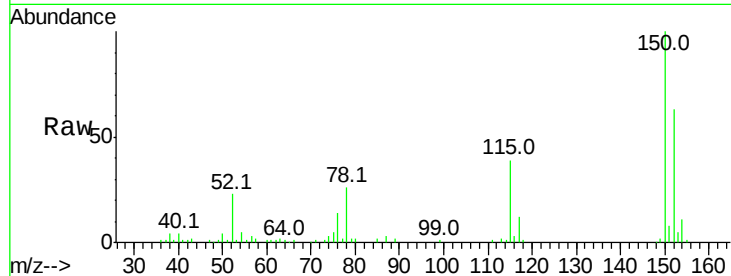


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

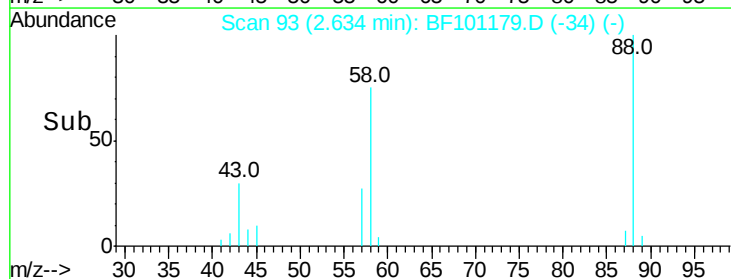
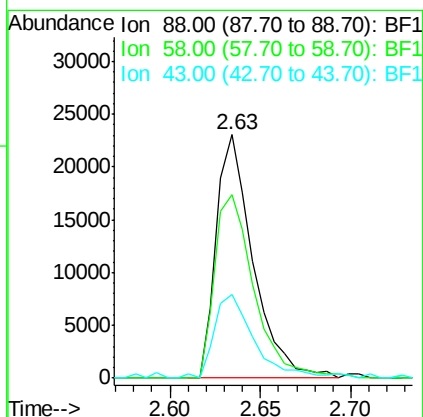
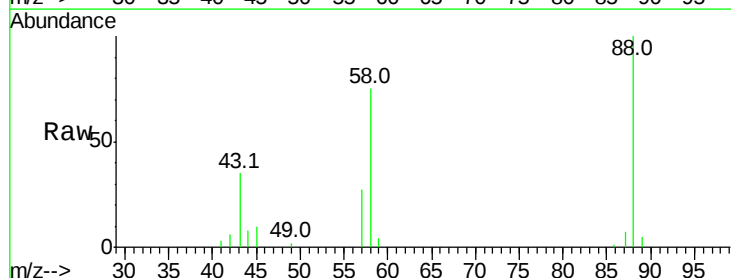
Tot Ion:152 Resp: 45121
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 61.9 50.1 75.1

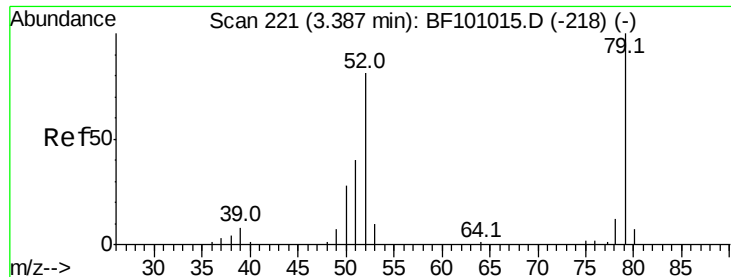


#2

1,4-Dioxane
Concen: 28.792 ng
RT: 2.63 min Scan# 93
Delta R.T. 0.05 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion: 88 Resp: 32510
Ion Ratio Lower Upper
88 100
58 81.1 62.6 93.8
43 37.9 24.6 37.0#

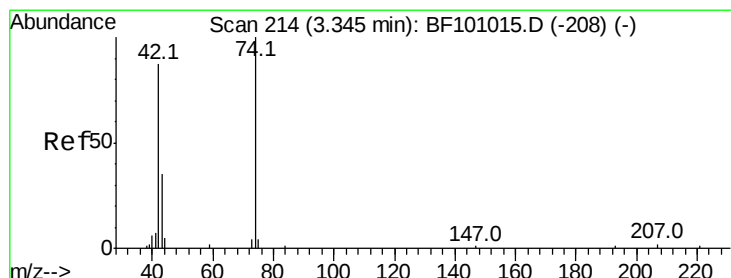
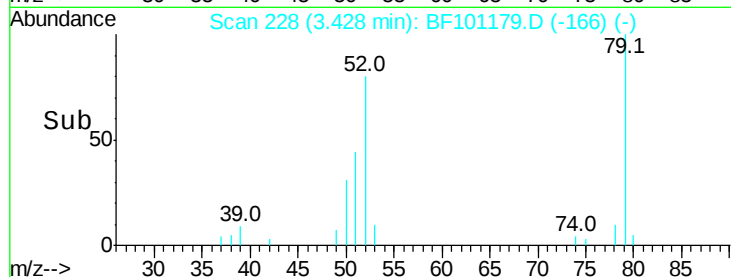
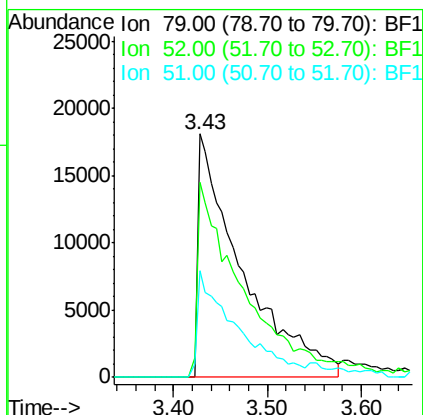
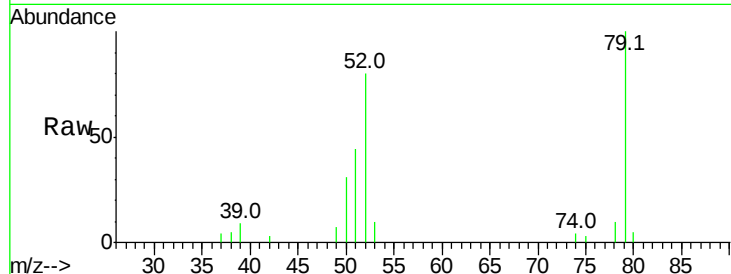




#3
 Pvridine
 Concen: 20.050 ng
 RT: 3.43 min Scan# 228
 Delta R.T. 0.07 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

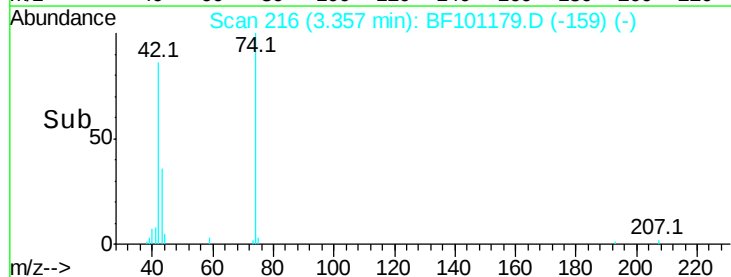
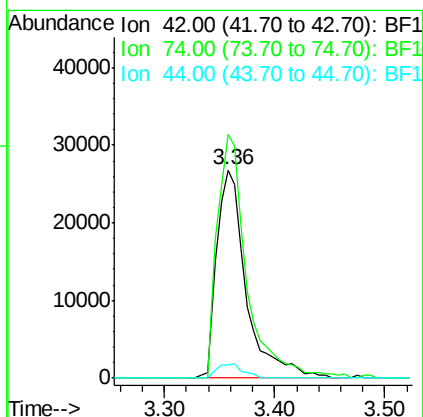
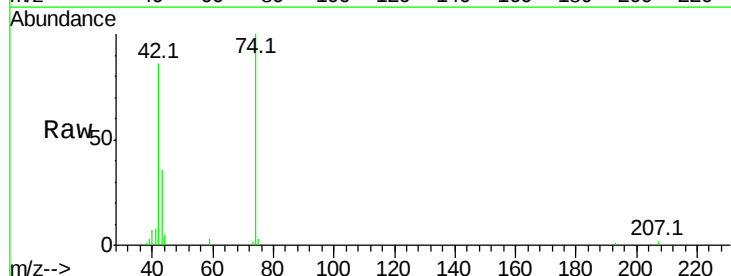
Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

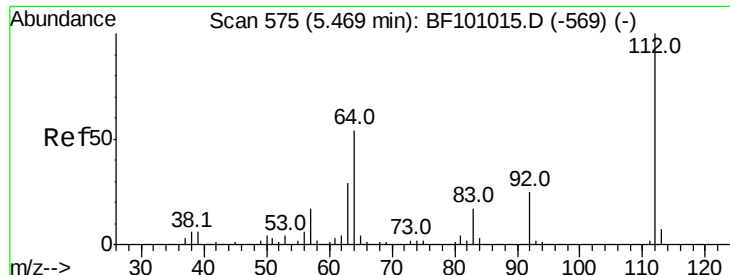
Tot Ion: 79 Resp: 58689
 Ion Ratio Lower Upper
 79 100
 52 79.9 59.8 89.6
 51 43.6 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 34.785 ng
 RT: 3.36 min Scan# 216
 Delta R.T. 0.04 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion: 42 Resp: 49730
 Ion Ratio Lower Upper
 42 100
 74 116.8 104.9 157.3
 44 6.3 6.9 10.3#





#5

2-Fluorophenol

Concen: 109.641 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

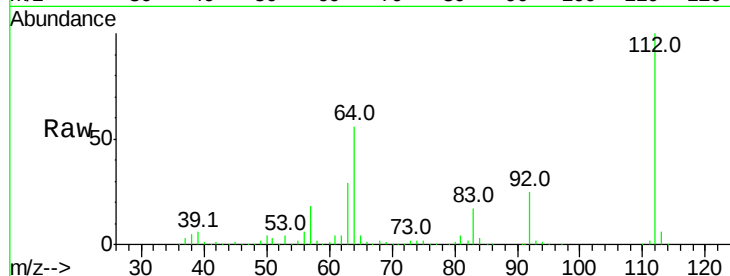
Tot Ion:112 Resp: 299381

Ion Ratio Lower Upper

112 100

64 55.8 47.9 71.9

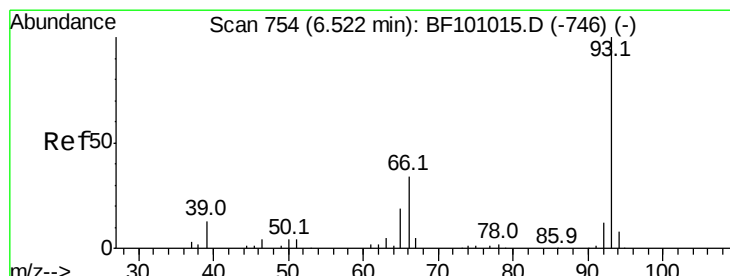
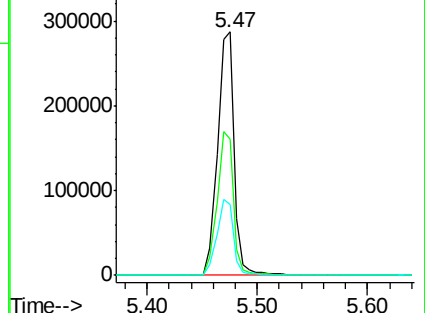
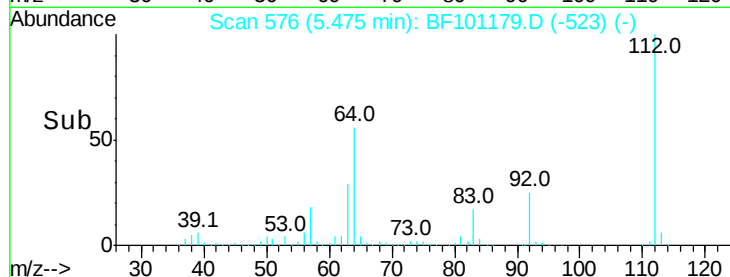
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.491 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

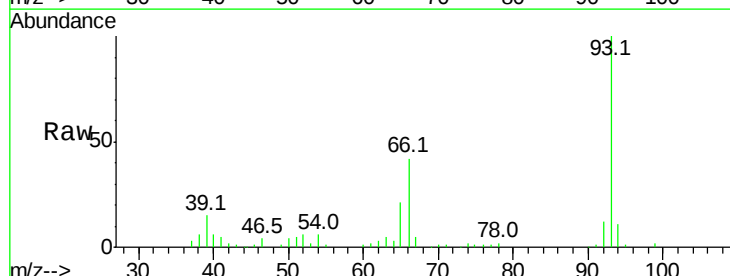
Tgt Ion: 93 Resp: 101271

Ion Ratio Lower Upper

93 100

66 41.8 32.2 48.2

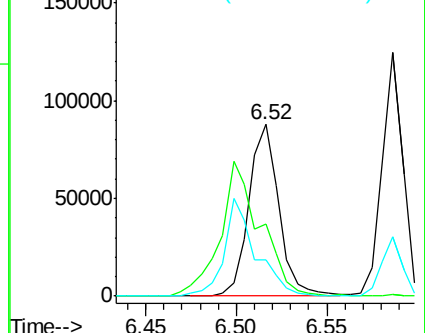
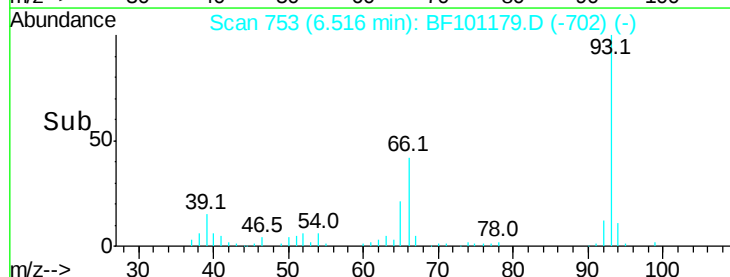
65 20.8 16.4 24.6

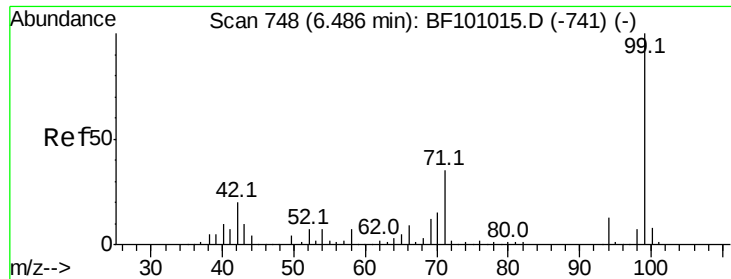


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 108.411 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

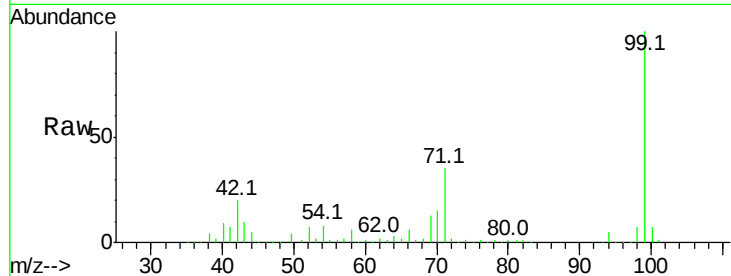
Tot Ion: 99 Resp: 359402

Ion Ratio Lower Upper

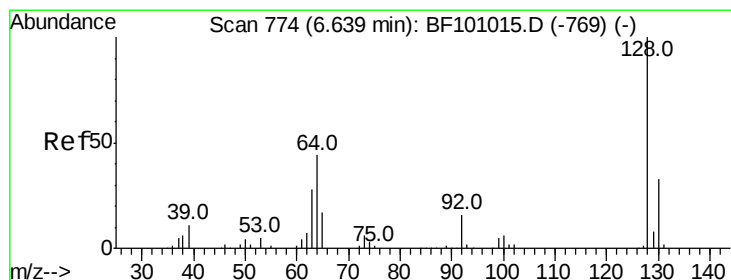
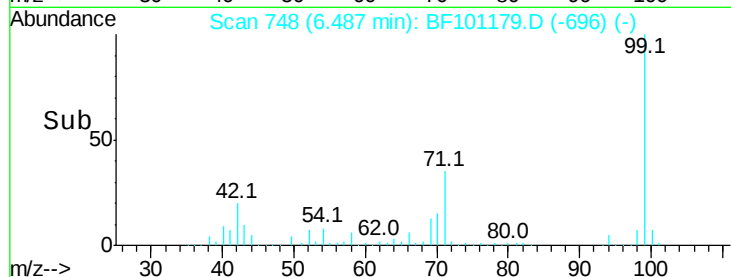
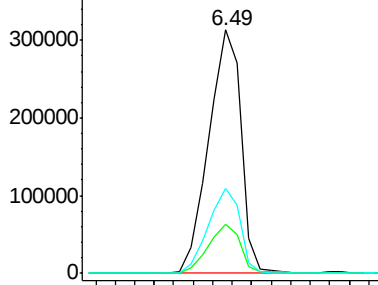
99 100

42 20.4 14.5 21.7

71 34.8 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: 36.155 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

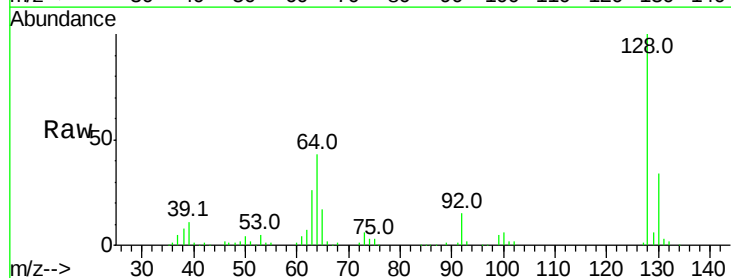
Tgt Ion: 128 Resp: 107642

Ion Ratio Lower Upper

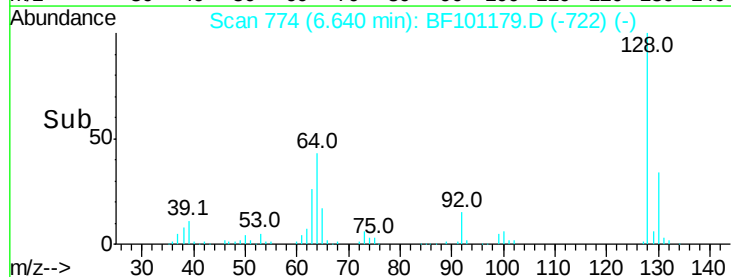
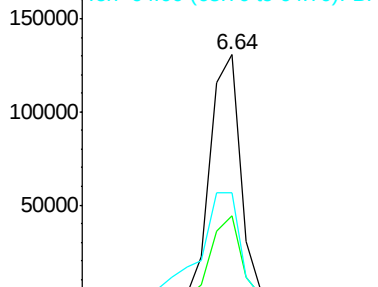
128 100

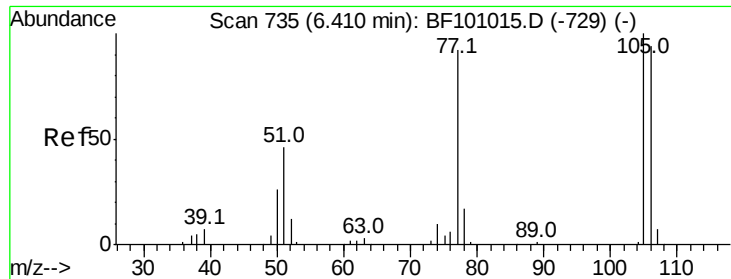
130 33.6 13.0 53.0

64 43.5 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: 18.512 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

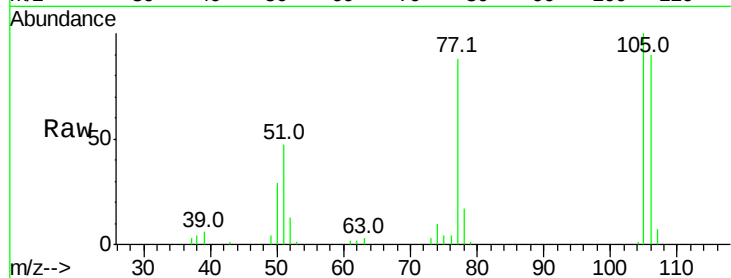
Tot Ion: 77 Resp: 37561

Ion Ratio Lower Upper

77 100

105 113.4 81.1 121.1

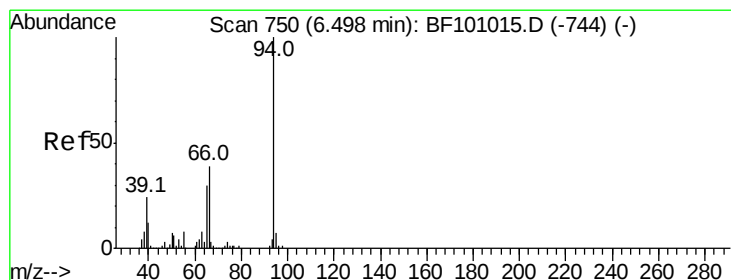
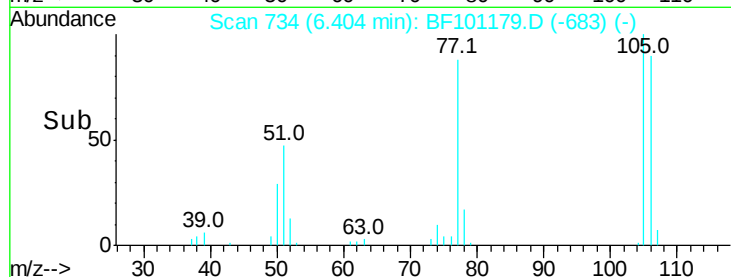
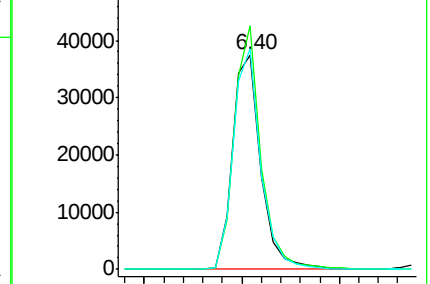
106 102.6 74.5 114.5



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: 38.641 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

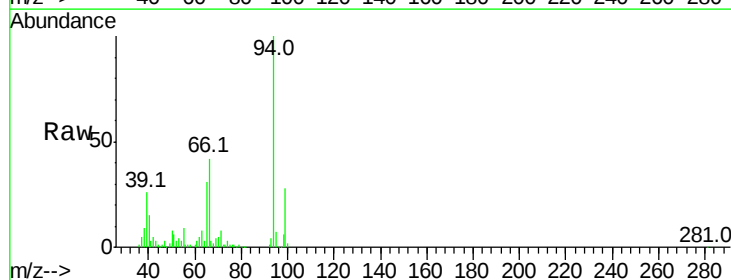
Tgt Ion: 94 Resp: 142439

Ion Ratio Lower Upper

94 100

65 30.7 7.9 47.9

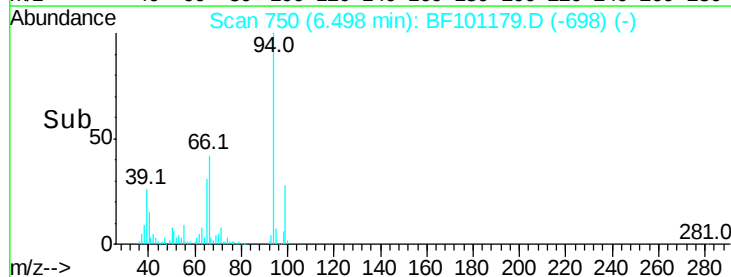
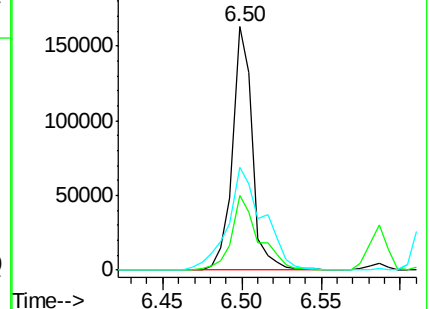
66 42.3 16.2 56.2

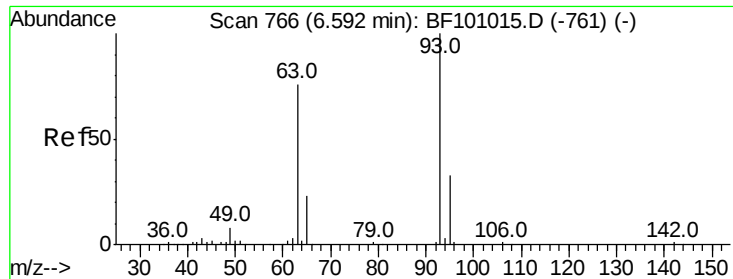


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 36.146 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

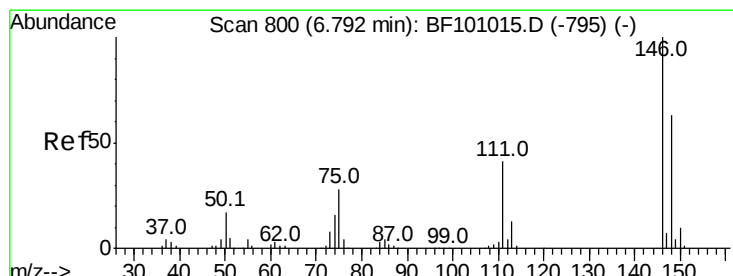
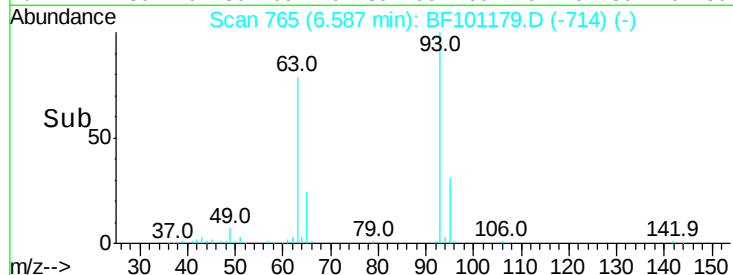
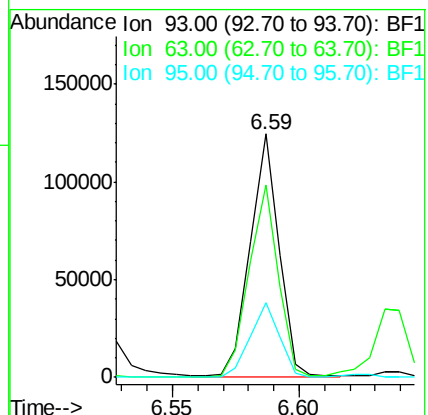
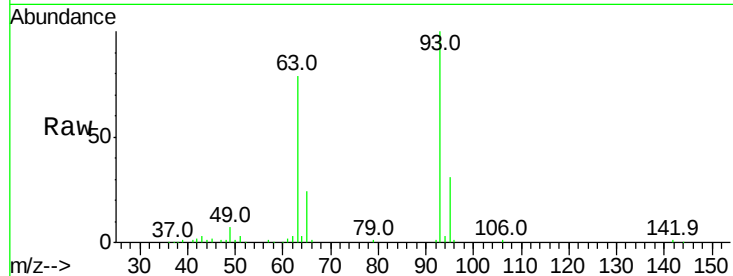
Tot Ion: 93 Resp: 99942

Ion Ratio Lower Upper

93 100

63 79.1 58.6 98.6

95 30.7 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 35.468 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

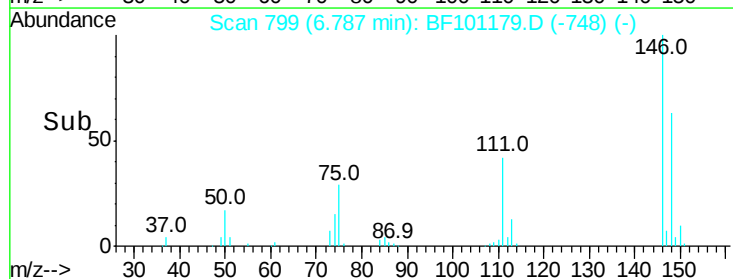
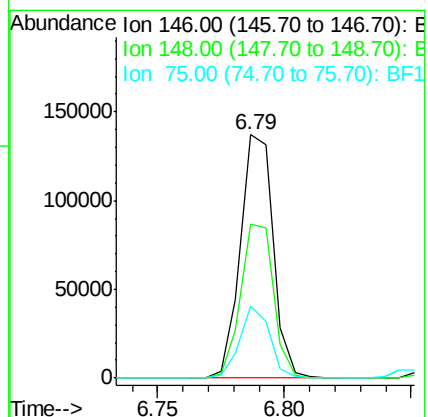
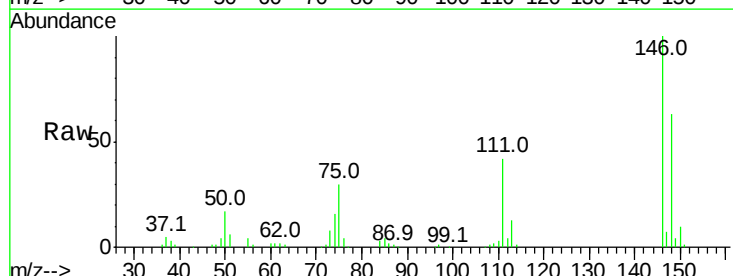
Tgt Ion: 146 Resp: 122958

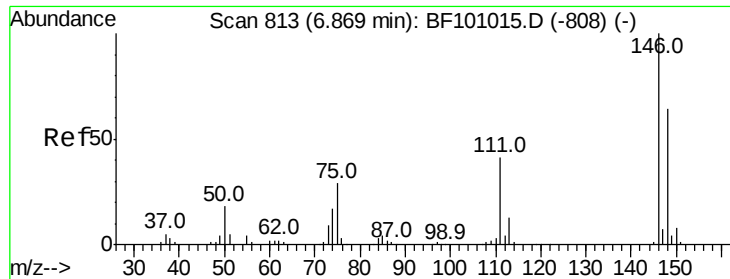
Ion Ratio Lower Upper

146 100

148 63.4 51.8 77.8

75 29.7 24.2 36.4

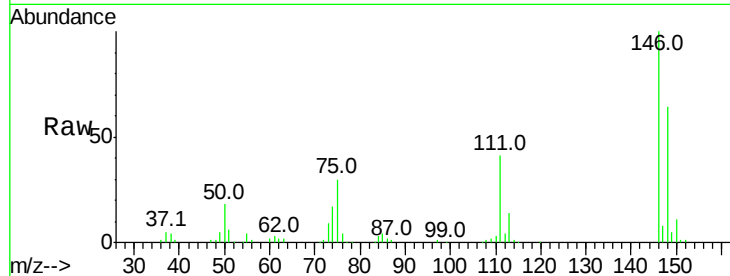




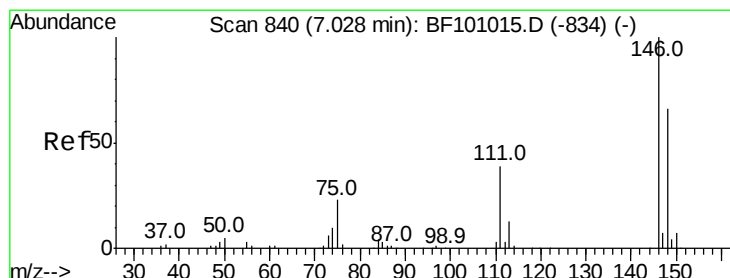
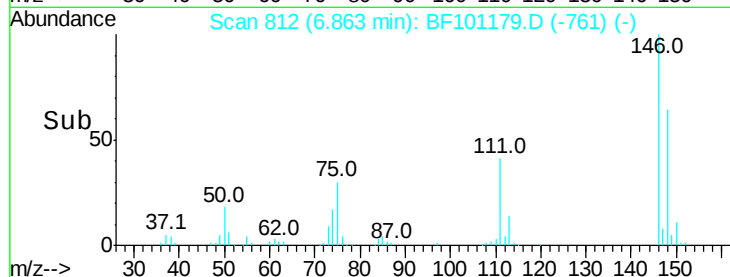
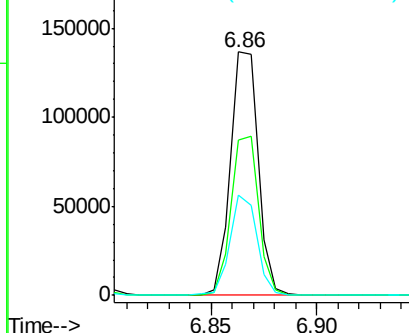
#13
 1,4-Dichlorobenzene
 Concen: 34.462 ng
 RT: 6.86 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	41.4	34.2	51.2

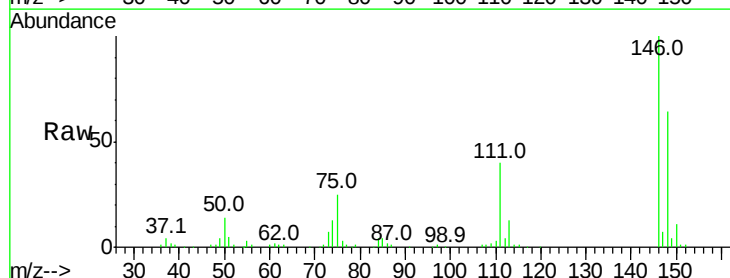


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

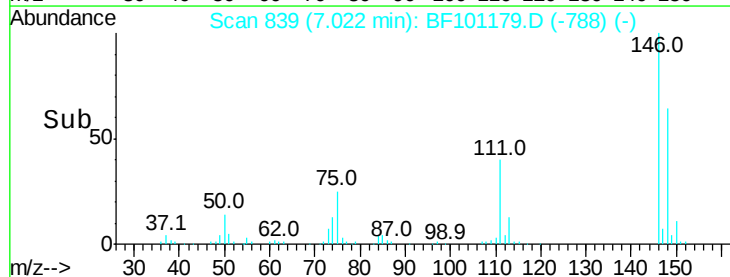
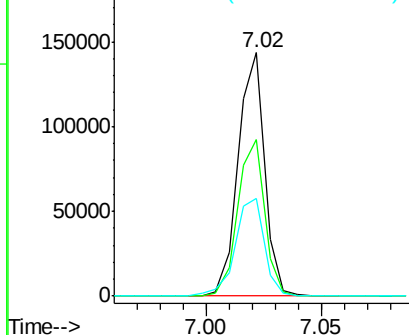


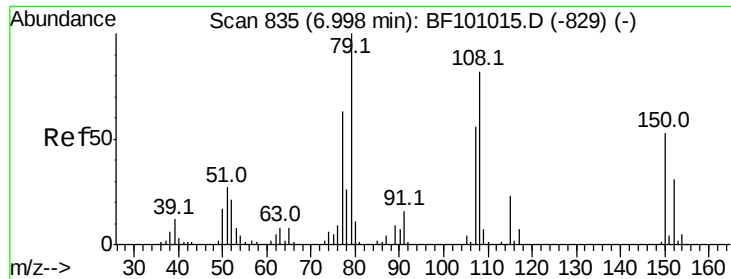
#14
 1,2-Dichlorobenzene
 Concen: 34.445 ng
 RT: 7.02 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	75.8
111	40.3	36.0	54.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

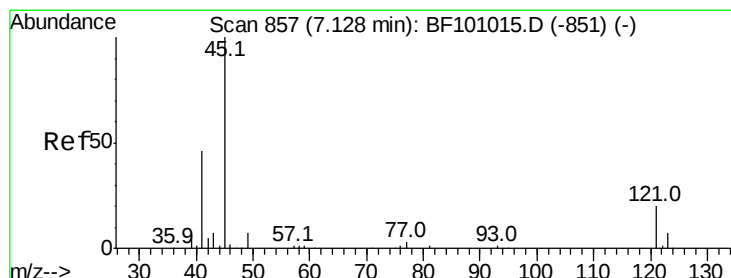
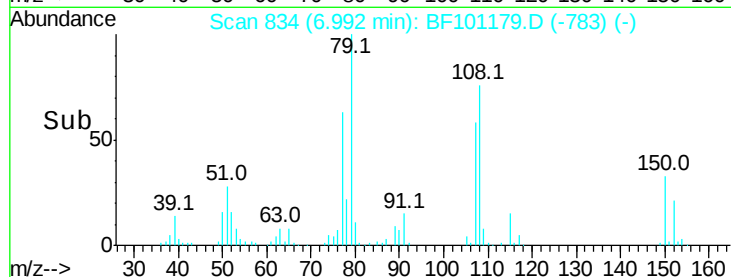
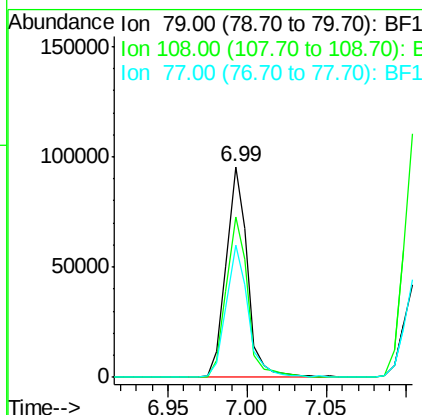
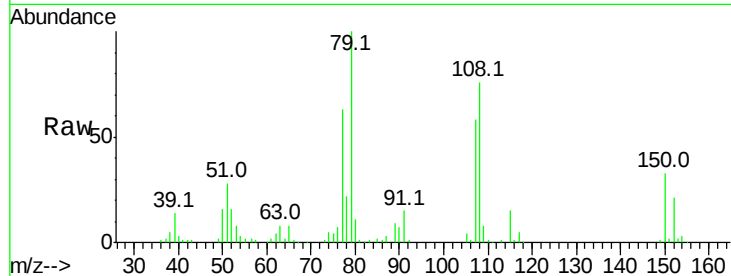




#15
Benzyl Alcohol
Concen: 34.887 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

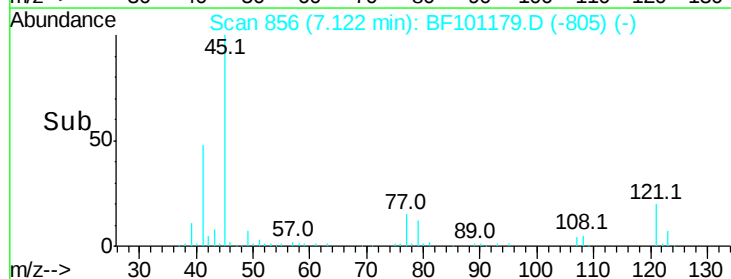
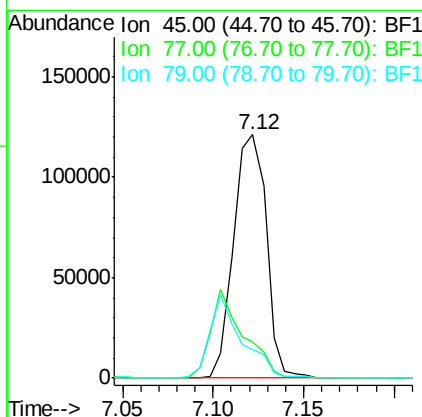
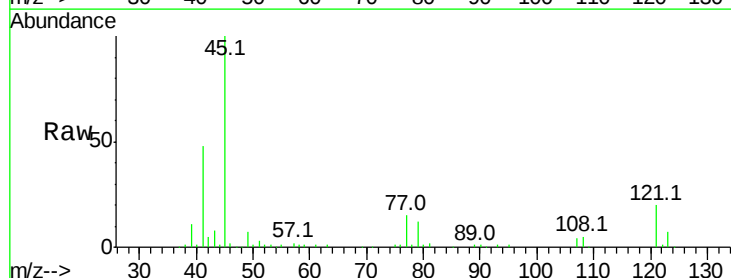
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

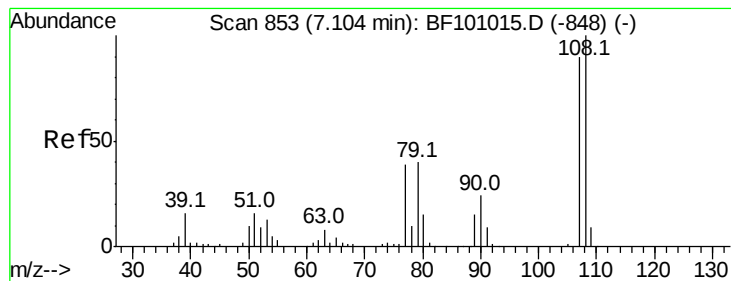
Tot Ion: 79 Resp: 89327
Ion Ratio Lower Upper
79 100
108 76.5 65.1 97.7
77 62.7 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.509 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion: 45 Resp: 152251
Ion Ratio Lower Upper
45 100
77 14.8 0.0 32.9
79 11.6 0.0 29.6





#17

2-Methylphenol

Concen: 36.081 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

Tot Ion:107 Resp: 86742

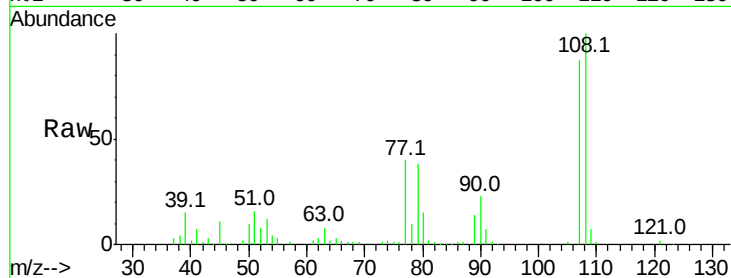
Ion Ratio Lower Upper

107 100

108 114.6 91.7 137.5

77 45.8 33.8 50.8

79 43.5 33.8 50.8

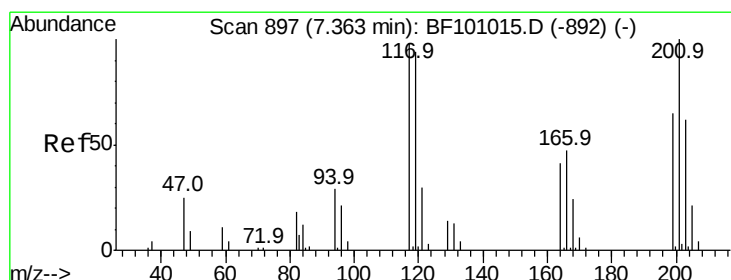
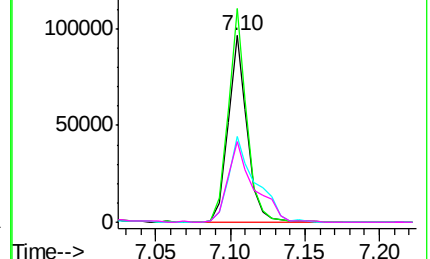
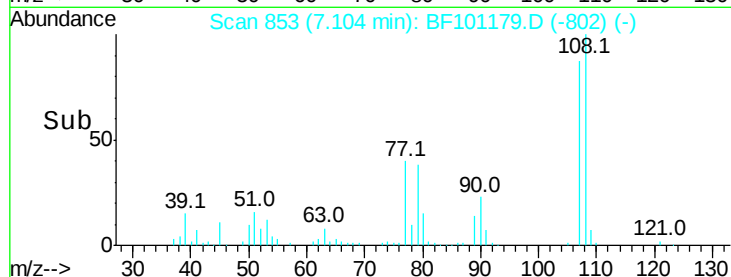


Abundance Ion 107.00 (106.70 to 107.70): E

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: 31.491 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

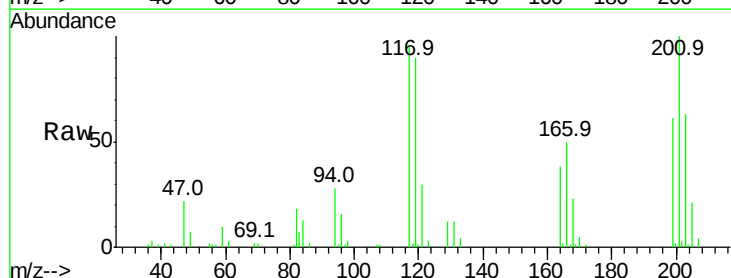
Tgt Ion:117 Resp: 36313

Ion Ratio Lower Upper

117 100

119 93.9 75.8 113.8

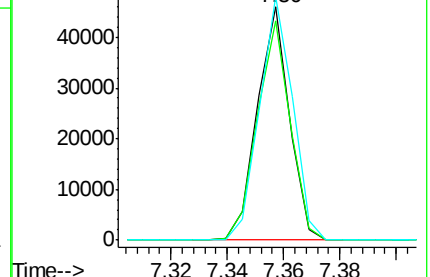
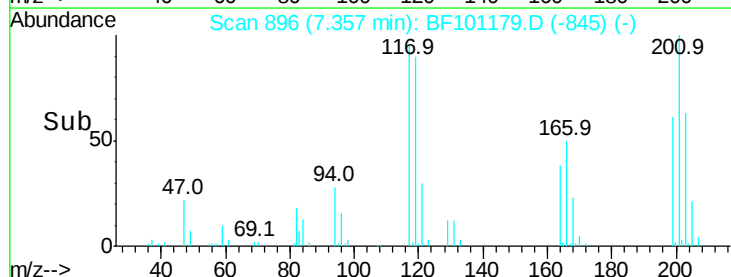
201 104.5 75.7 113.5

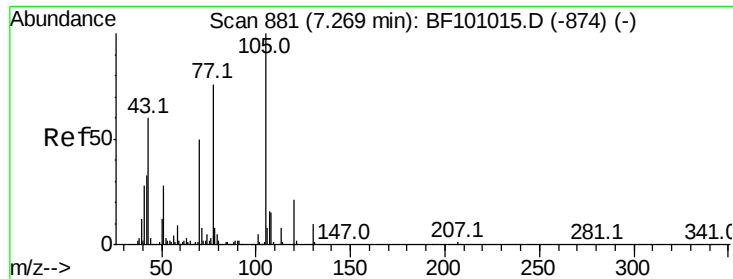


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

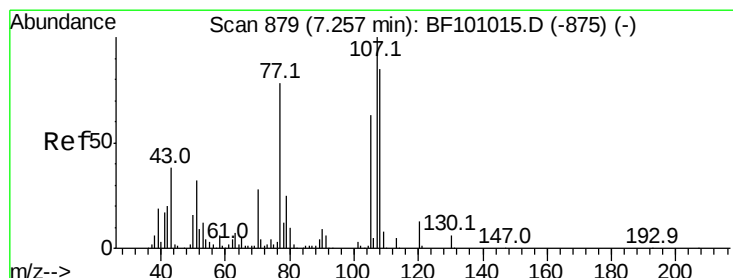
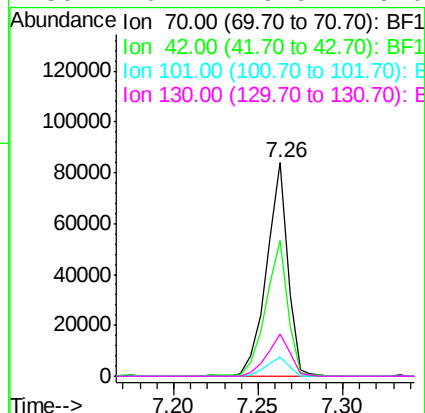
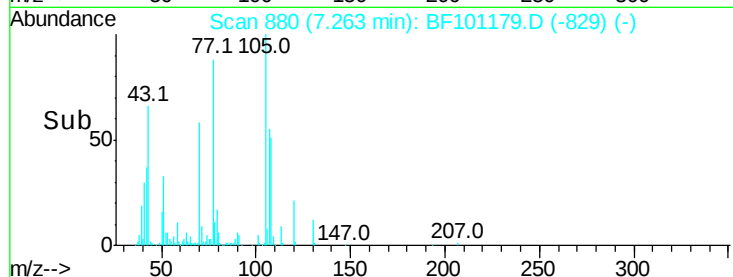
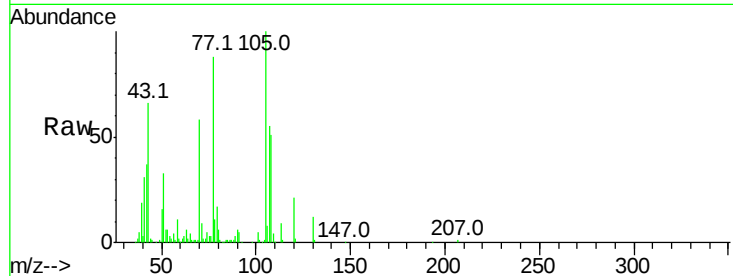




#19
n-Nitroso-di-n-propylamine
Concen: 32.738 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

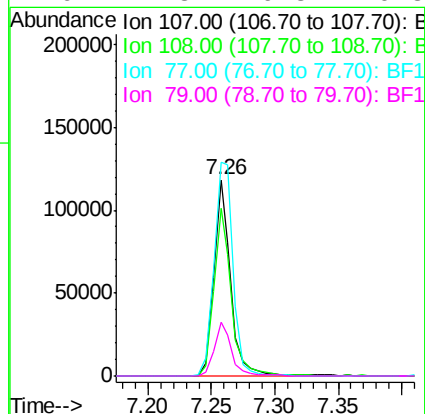
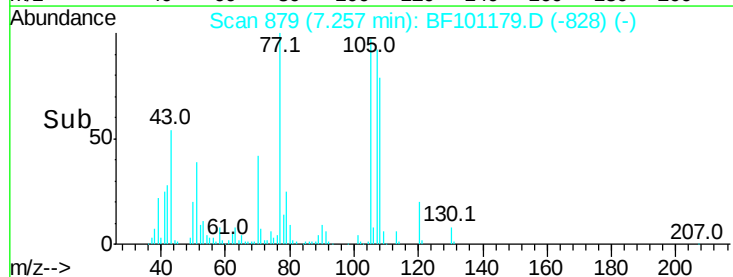
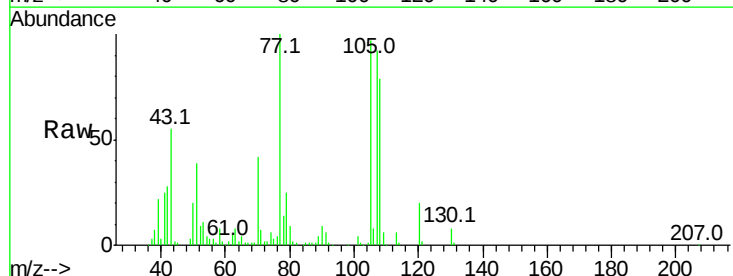
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

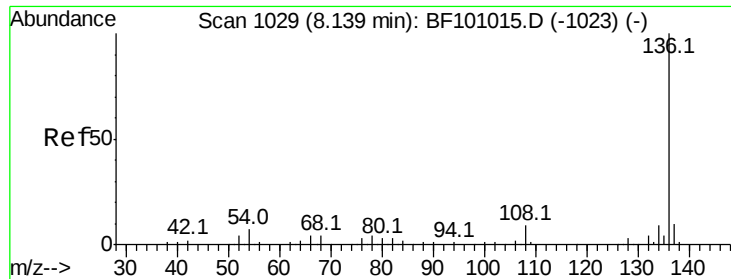
Tot Ion: 70 Resp: 73093
Ion Ratio Lower Upper
70 100
42 63.8 47.5 71.3
101 9.1 7.4 11.2
130 20.1 16.6 25.0



#20
3+4-Methylphenols
Concen: 35.595 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:107 Resp: 111601
Ion Ratio Lower Upper
107 100
108 85.7 68.2 108.2
77 108.8 26.7 66.7#
79 27.3 6.3 46.3

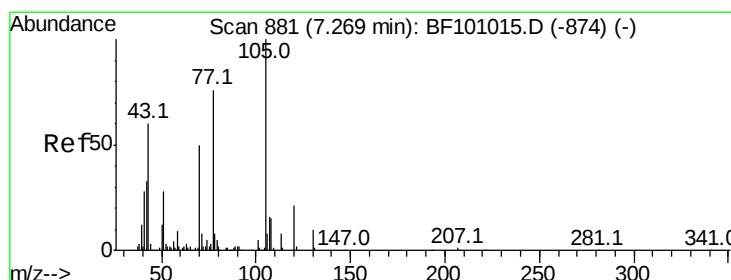
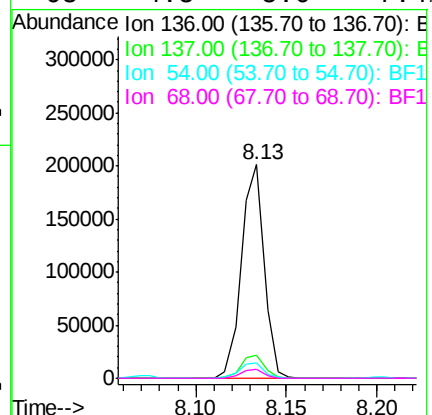
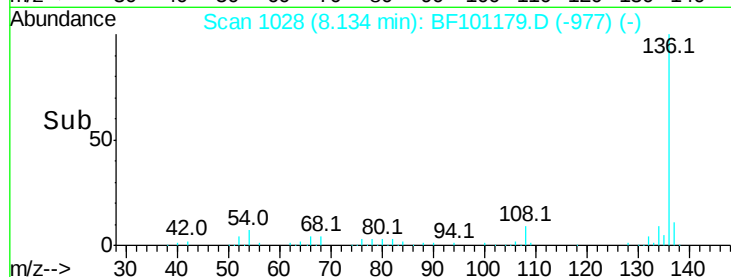
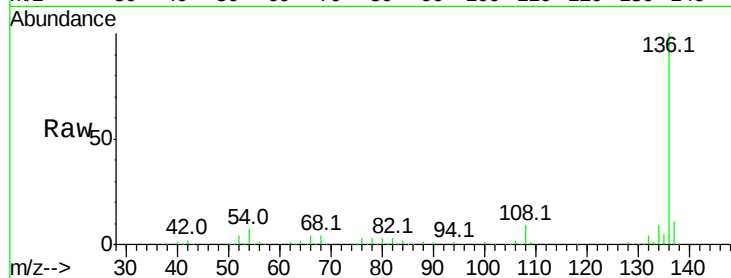




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

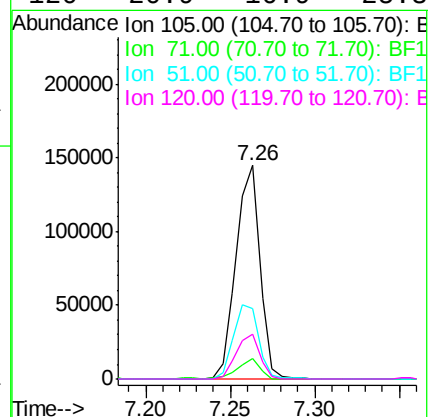
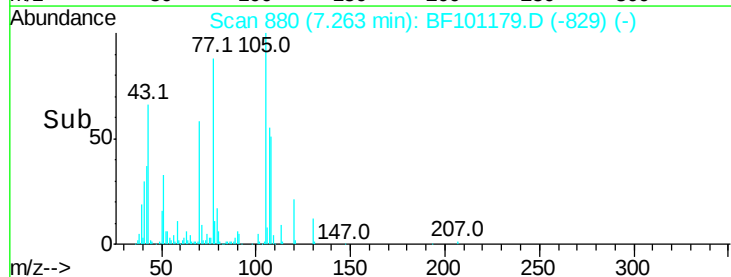
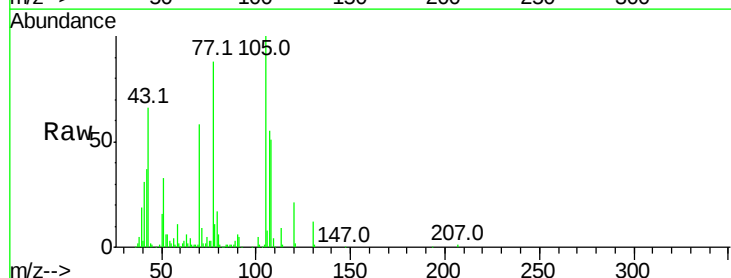
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

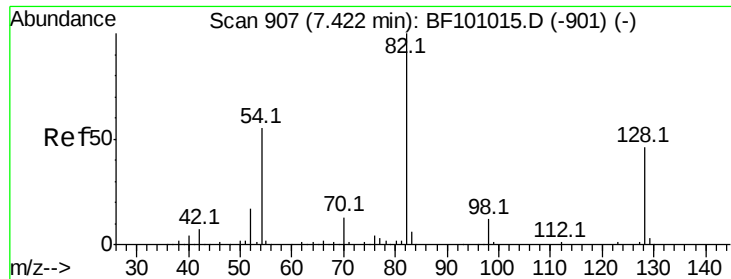
Tot Ion:136	Resp:	175007
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.4	6.6 9.8
68	4.5	5.0 7.4#



#22
Acetophenone
Concen: 33.762 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:105	Resp:	142748
Ion Ratio	Lower	Upper
105	100	
71	9.4	4.4 6.6#
51	33.2	22.3 33.5
120	20.9	16.9 25.3

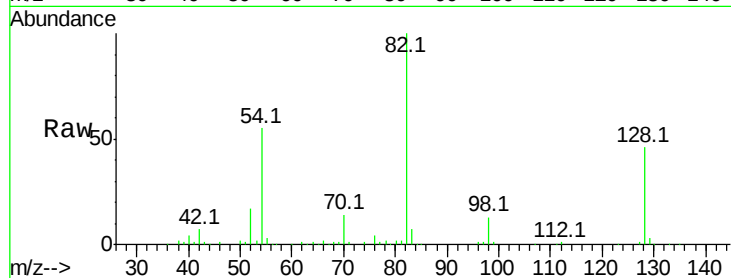




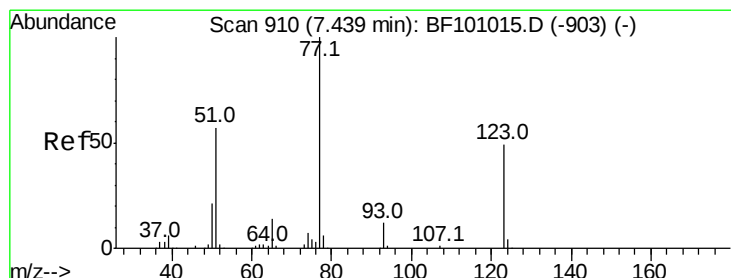
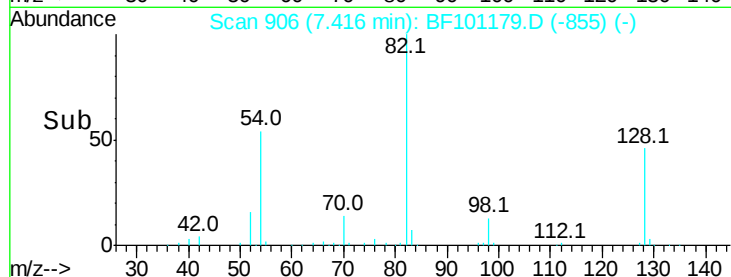
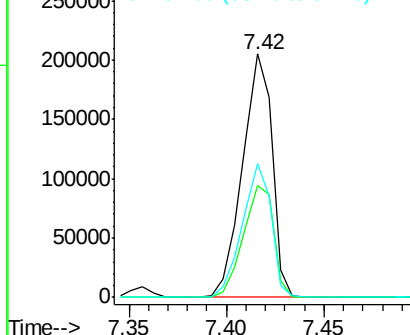
#23
Nitrobenzene-d5
Concen: 73.876 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

Tot Ion: 82 Resp: 216733
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 54.8 41.4 62.2

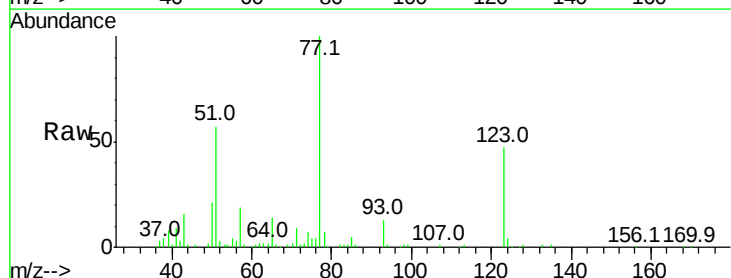


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

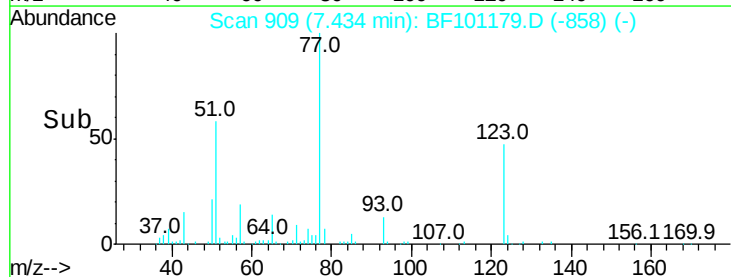
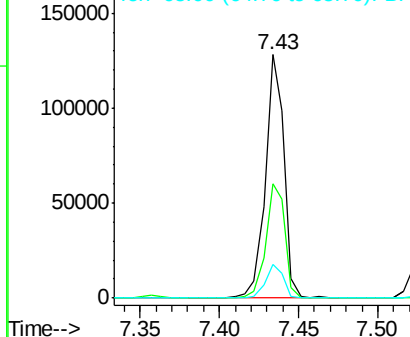


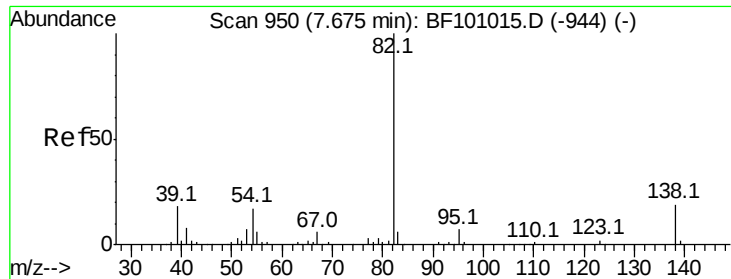
#24
Nitrobenzene
Concen: 36.766 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion: 77 Resp: 105714
Ion Ratio Lower Upper
77 100
123 46.8 37.9 56.9
65 13.6 11.0 16.4



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

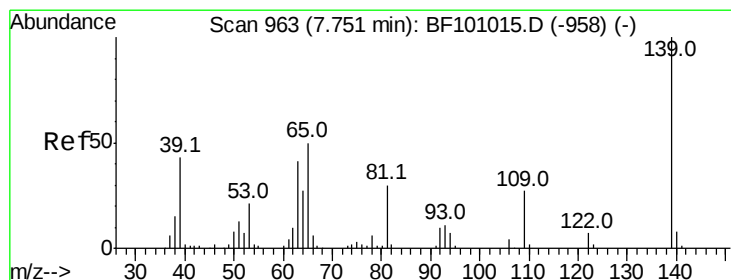
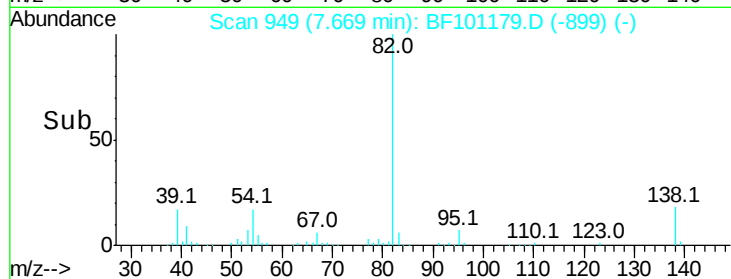
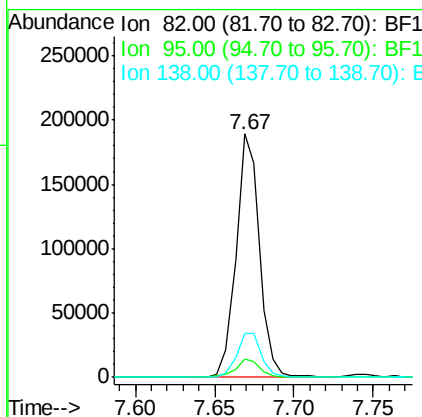
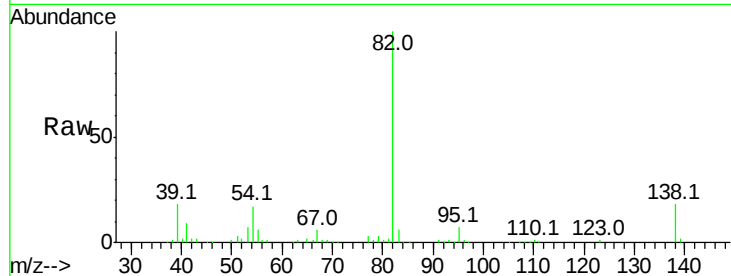




#25
Isophorone
Concen: 38.499 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

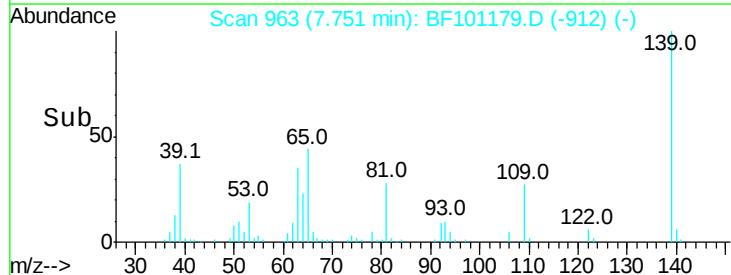
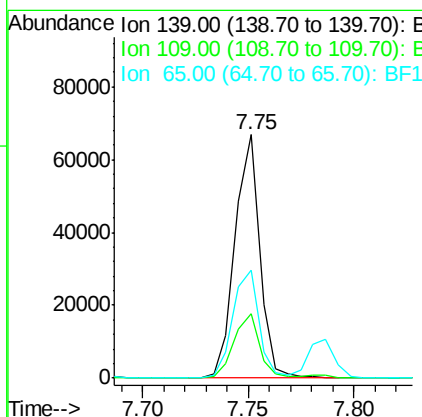
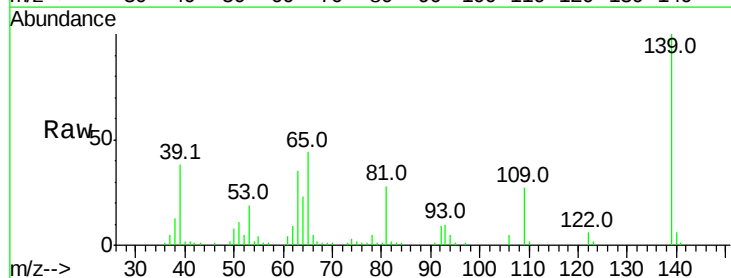
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

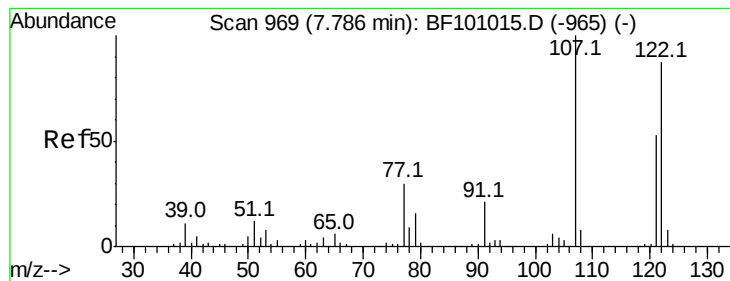
Tot Ion	82	Resp	192925
Ion Ratio	100		
Lower	5.2		
Upper	7.8		
82	100		
95	7.4		
138	18.1		
Lower	14.9		
Upper	22.3		



#26
2-Nitrophenol
Concen: 34.270 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion	139	Resp	54091
Ion Ratio	100		
Lower	22.7		
Upper	34.1		
139	100		
109	26.7		
65	44.5		
Lower	40.5		
Upper	60.7		





#27

2,4-Dimethylphenol

Concen: 39.997 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

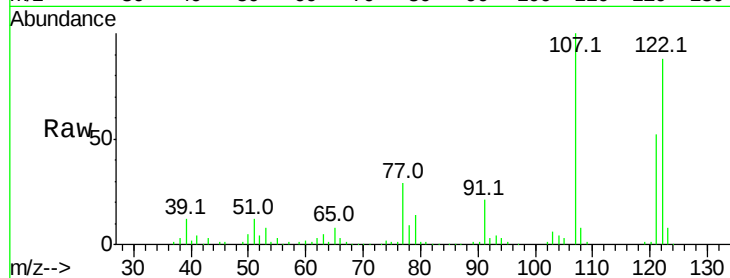
Tot Ion:122 Resp: 91325

Ion Ratio Lower Upper

122 100

107 113.0 91.2 136.8

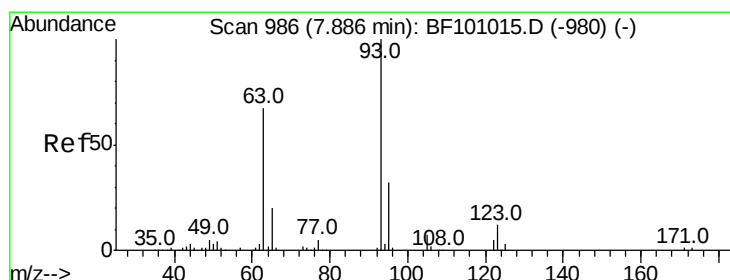
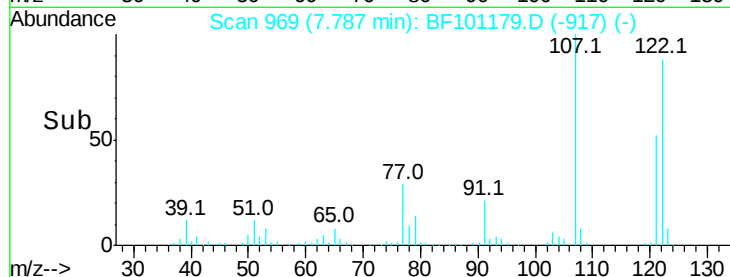
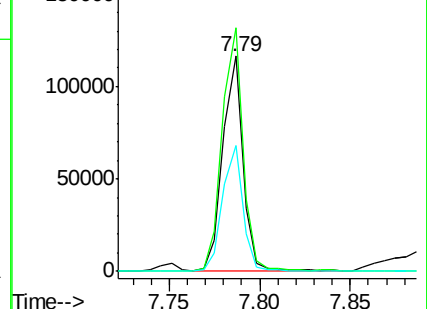
121 58.7 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.071 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

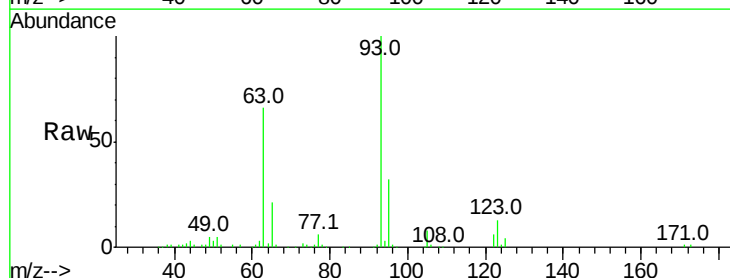
Tgt Ion: 93 Resp: 121486

Ion Ratio Lower Upper

93 100

95 32.0 26.3 39.5

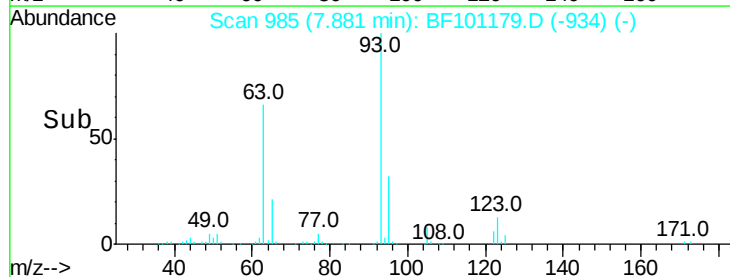
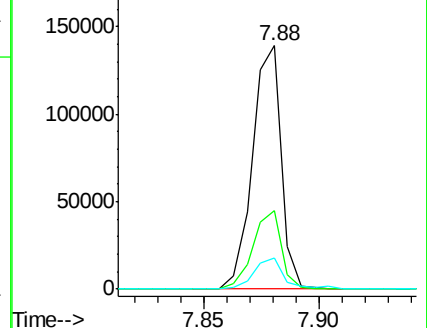
123 12.8 9.8 14.6

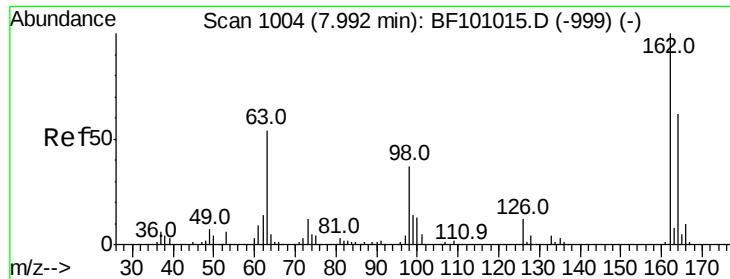


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

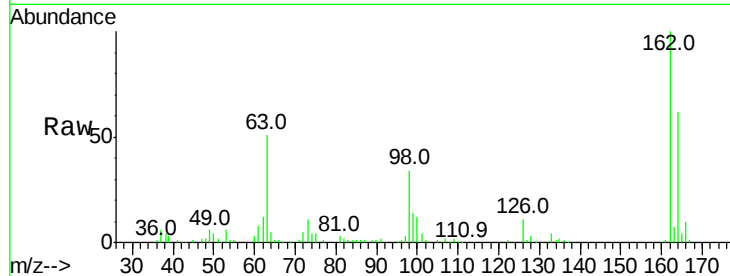




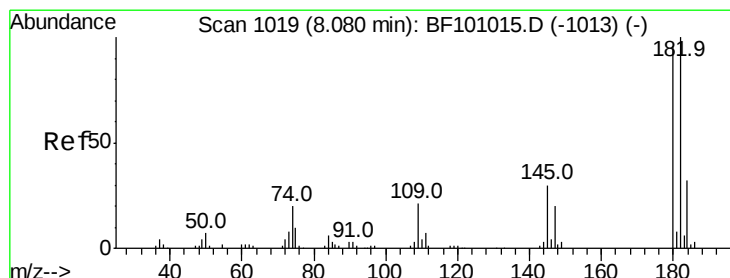
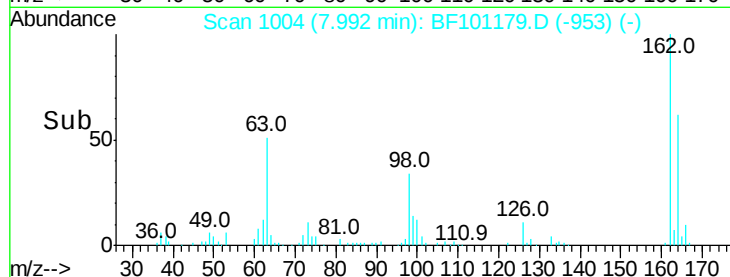
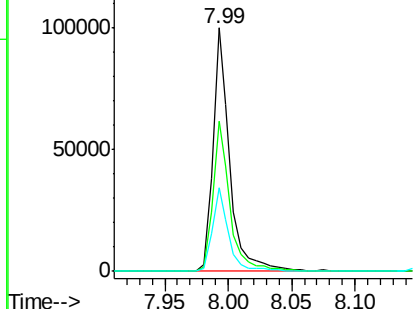
#29
2,4-Dichlorophenol
Concen: 37.582 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

Tot Ion:162 Resp: 93404
Ion Ratio Lower Upper
162 100
164 61.9 42.7 82.7
98 34.3 18.1 58.1

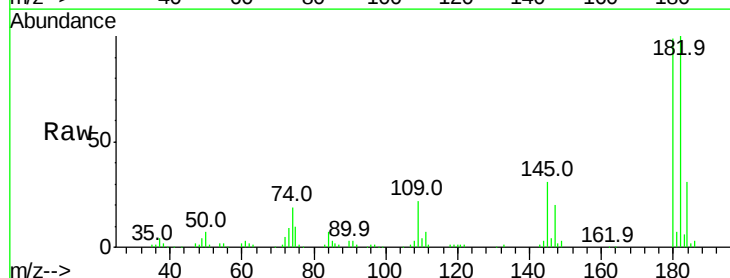


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

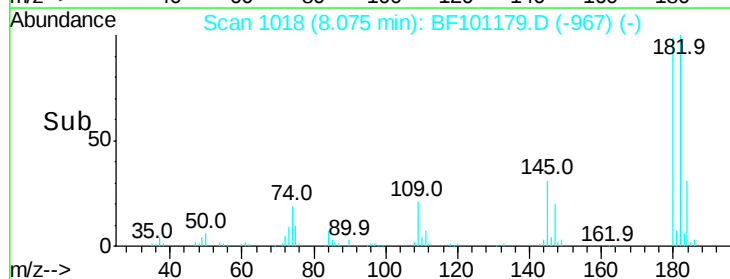
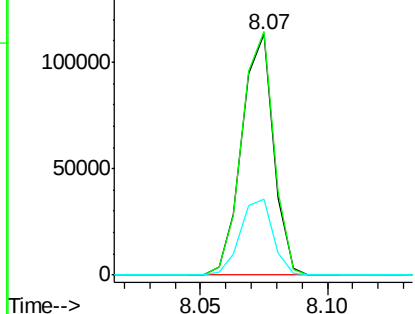


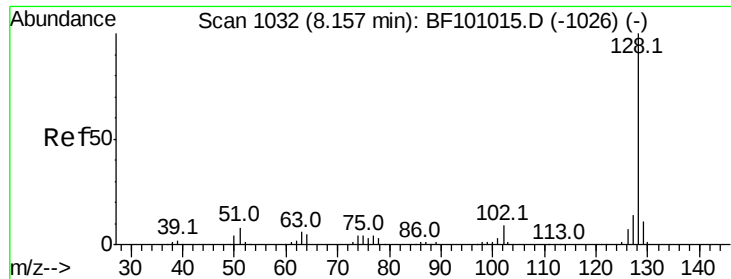
#30
1,2,4-Trichlorobenzene
Concen: 36.173 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:180 Resp: 98857
Ion Ratio Lower Upper
180 100
182 101.1 76.8 115.2
145 31.3 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

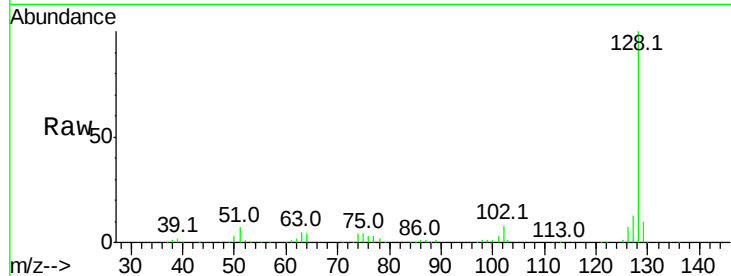




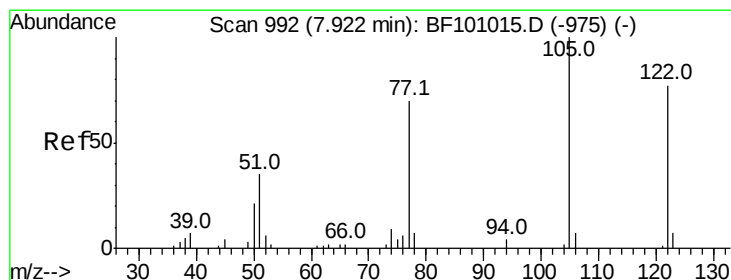
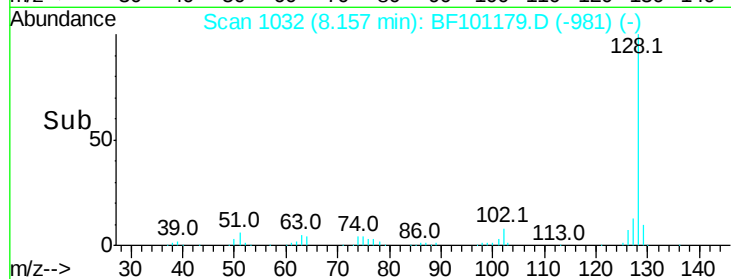
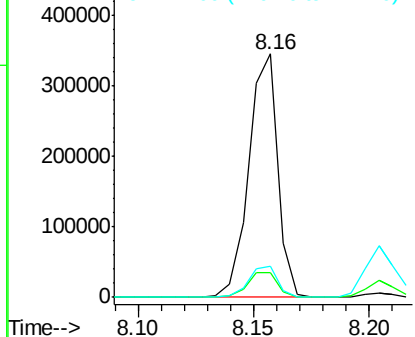
#31
Naphthalene
Concen: 35.128 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

Tot Ion:128 Resp: 302991
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.9 10.9 16.3

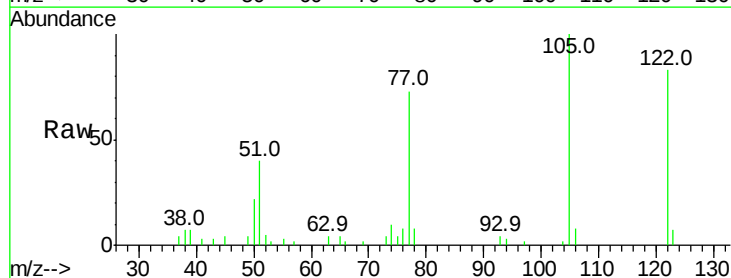


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

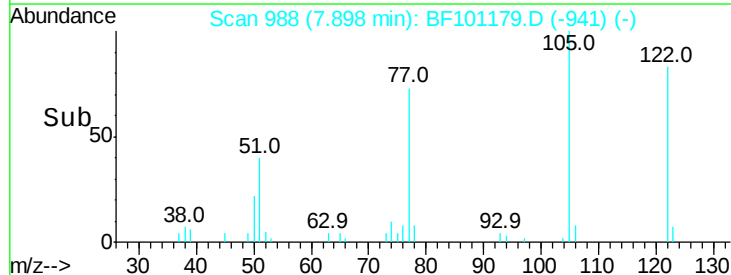
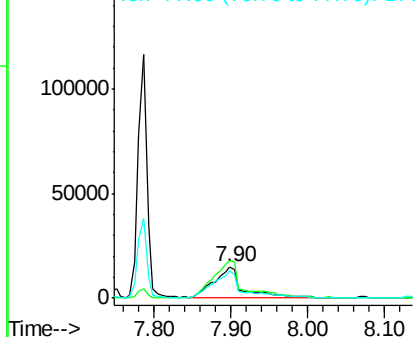


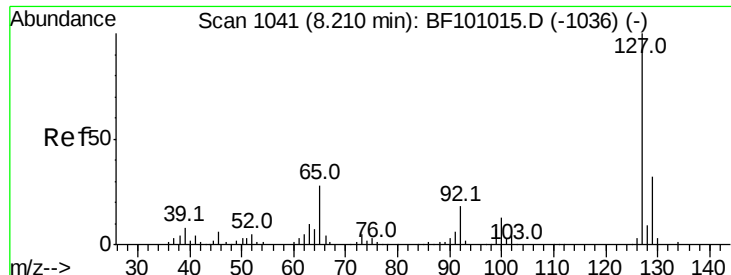
#32
Benzoic acid
Concen: 22.453 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:122 Resp: 39874
Ion Ratio Lower Upper
122 100
105 119.8 101.1 141.1
77 87.5 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

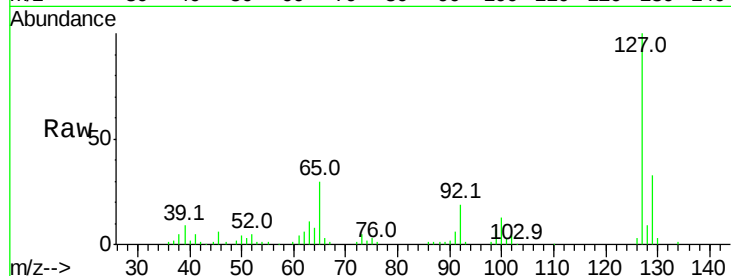




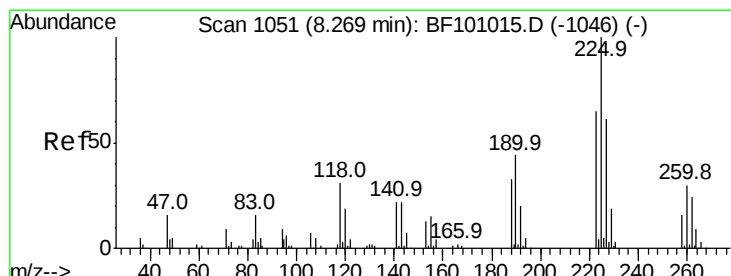
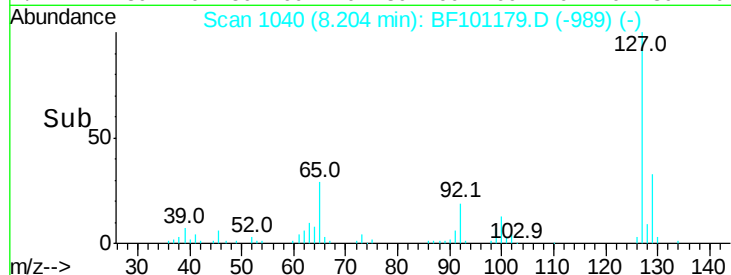
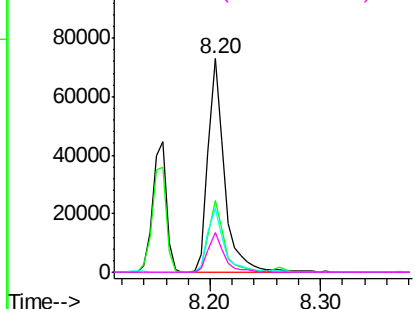
#33
4-Chloroaniline
Concen: 21.264 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

Tot Ion:	127	Resp:	73695
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.9	38.9
65	30.1	25.0	37.4
92	18.5	15.2	22.8

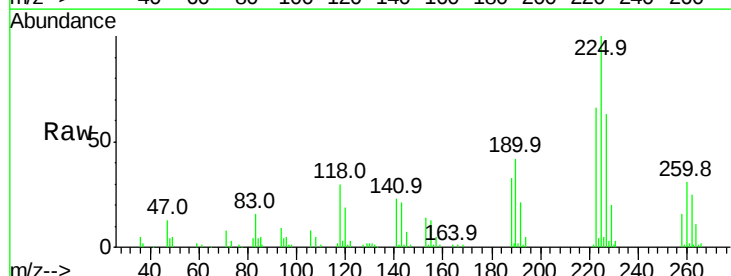


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

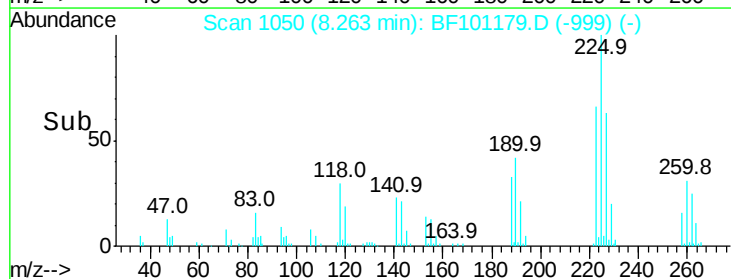
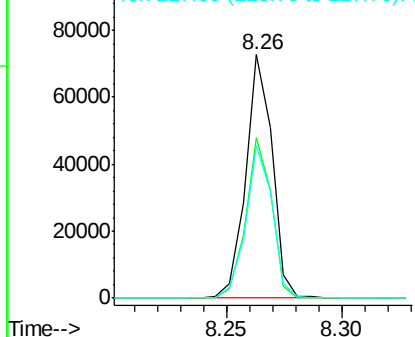


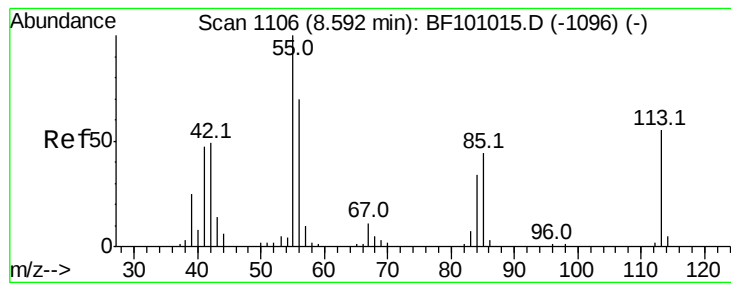
#34
Hexachlorobutadiene
Concen: 34.696 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:	225	Resp:	58156
Ion	Ratio	Lower	Upper
225	100		
223	65.7	50.6	76.0
227	62.8	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: 31.441 ng

RT: 8.58 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

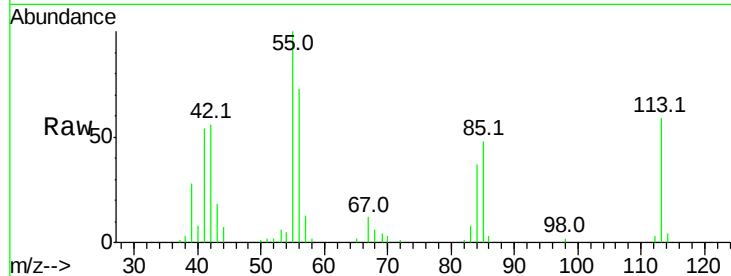
Tot Ion:113 Resp: 24353

Ion Ratio Lower Upper

113 100

55 168.7 163.3 203.3

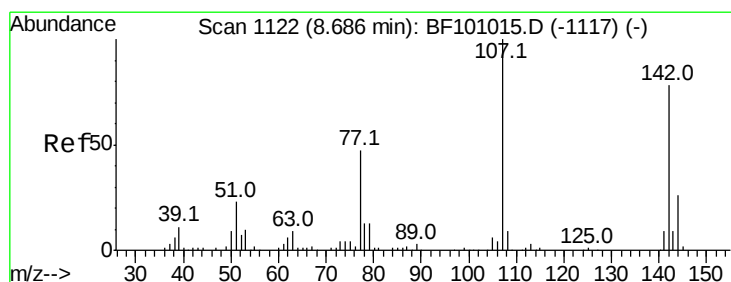
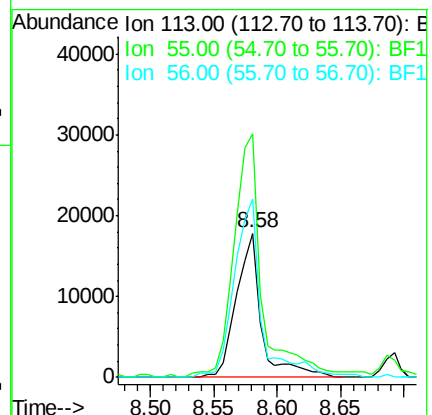
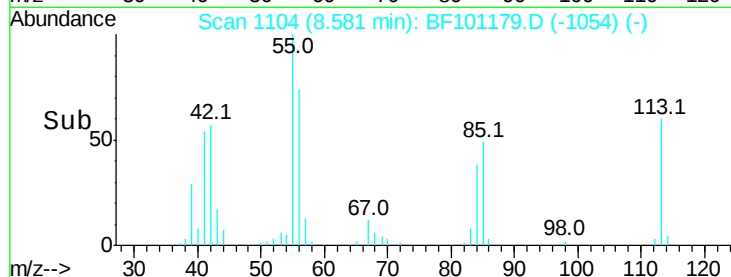
56 123.3 115.7 155.7



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: 34.597 ng

RT: 8.69 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

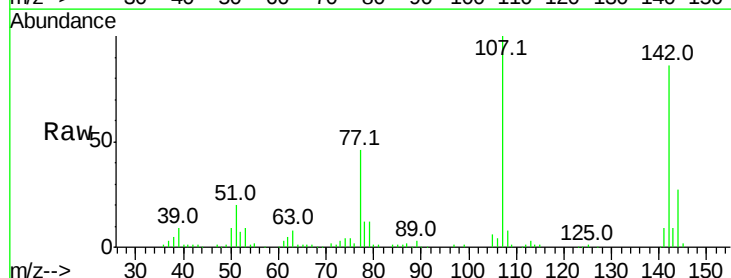
Tgt Ion:107 Resp: 89069

Ion Ratio Lower Upper

107 100

144 26.8 20.5 30.7

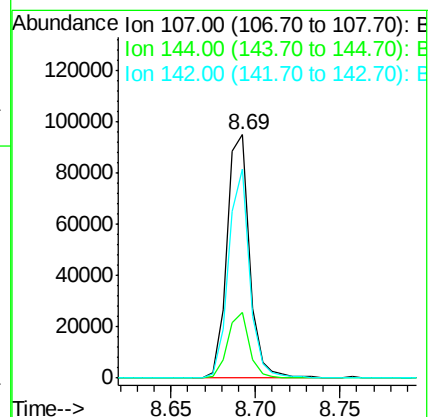
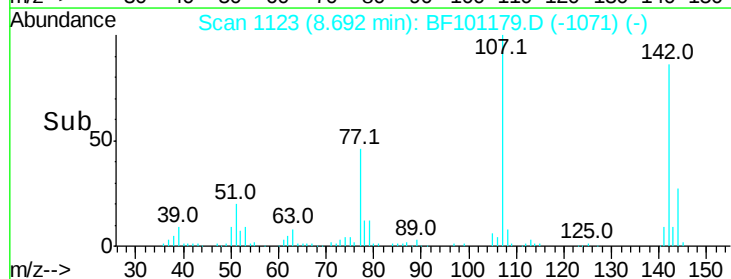
142 85.7 62.0 93.0

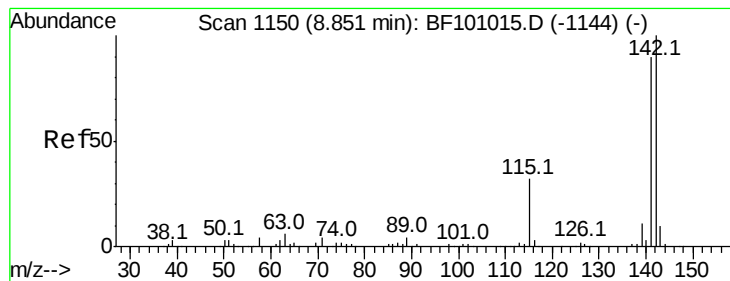


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 34.687 ng

RT: 8.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

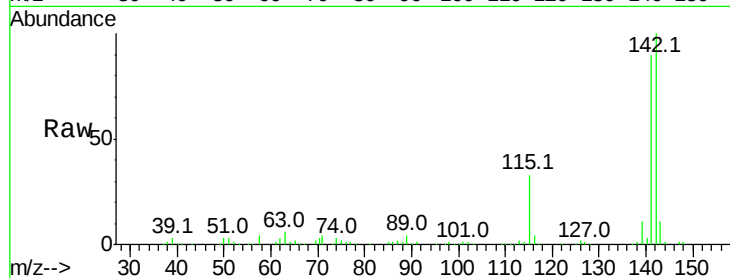
Tot Ion:142 Resp: 203289

Ion Ratio Lower Upper

142 100

141 89.9 70.8 106.2

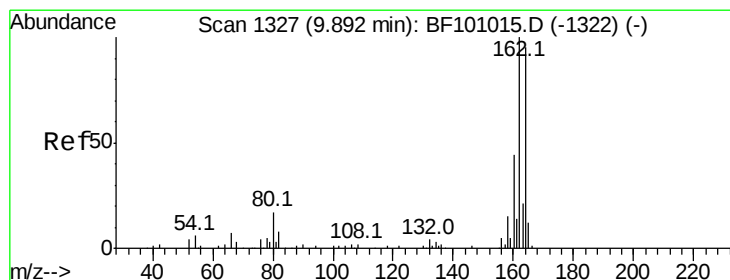
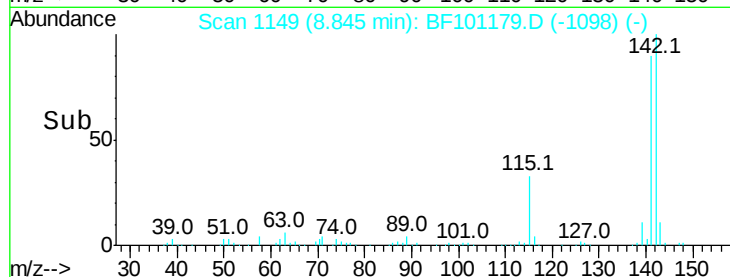
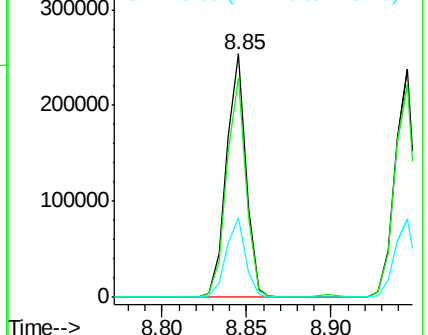
115 32.6 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

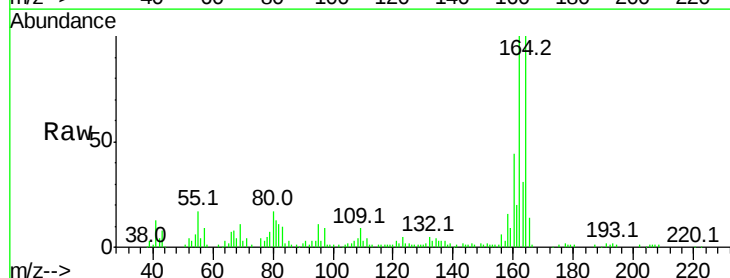
Tgt Ion:164 Resp: 74471

Ion Ratio Lower Upper

164 100

162 100.5 86.1 129.1

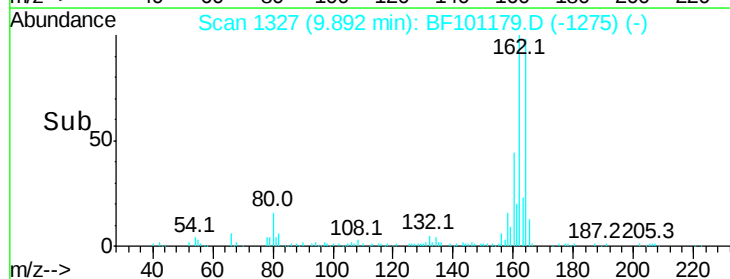
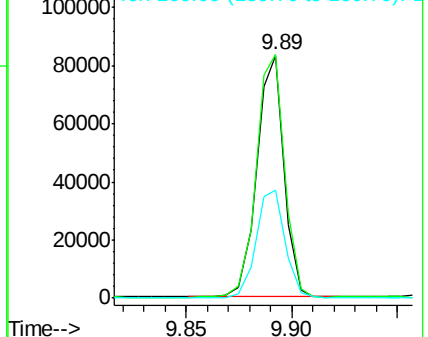
160 44.4 38.3 57.5

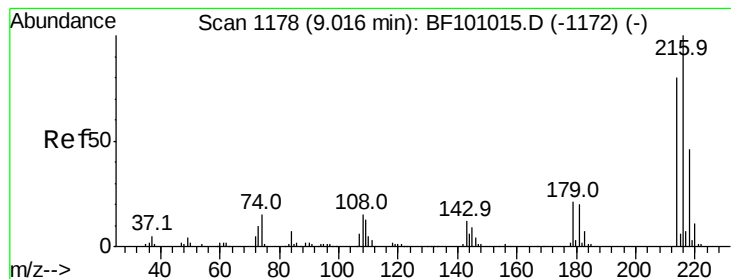


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

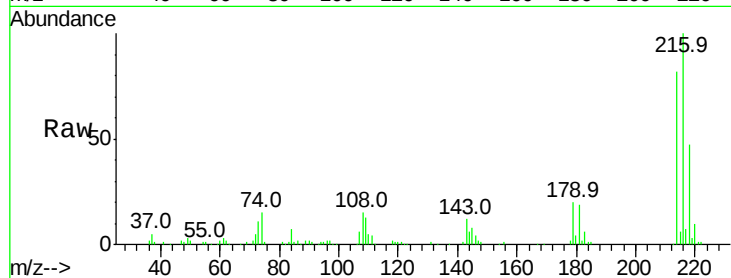




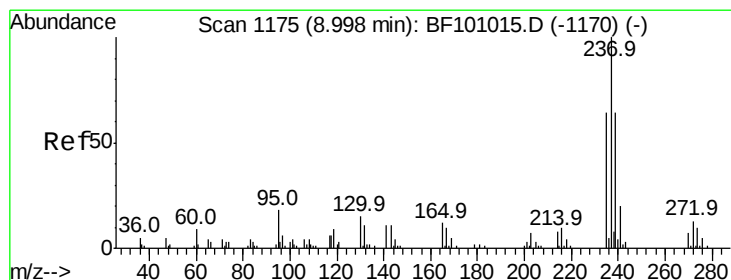
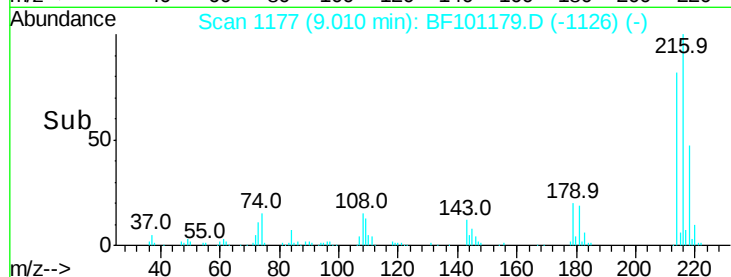
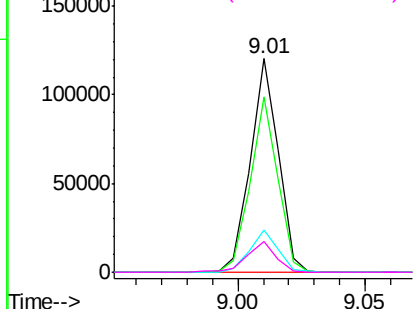
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.210 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Tot Ion:	216	Resp:	92551
Ion Ratio	Lower	Upper	
216	100		
214	80.0	63.0	94.4
179	20.3	18.1	27.1
108	14.9	17.2	25.8#

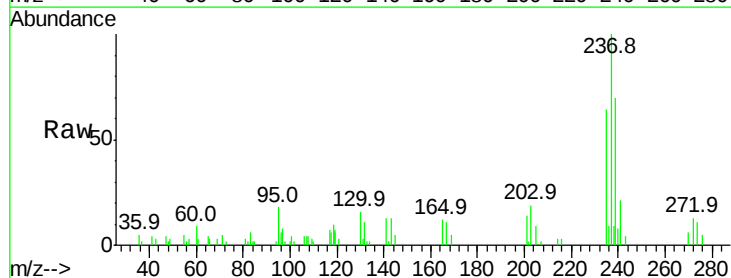


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

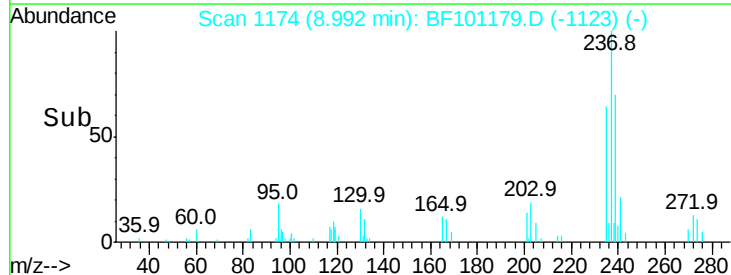
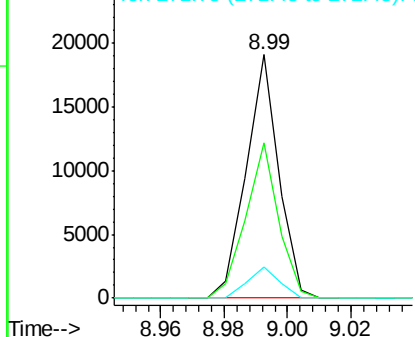


#40
 Hexachlorocyclopentadiene
 Concen: 20.506 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:	237	Resp:	13546
Ion Ratio	Lower	Upper	
237	100		
235	63.9	44.8	84.8
272	13.0	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

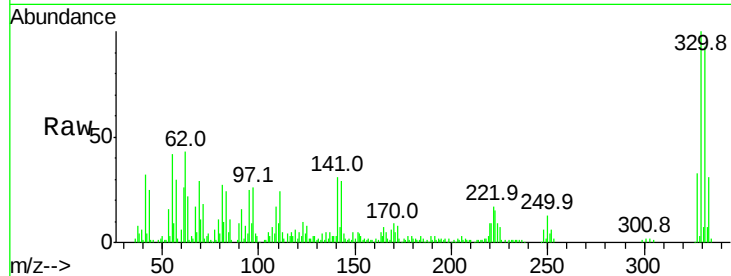




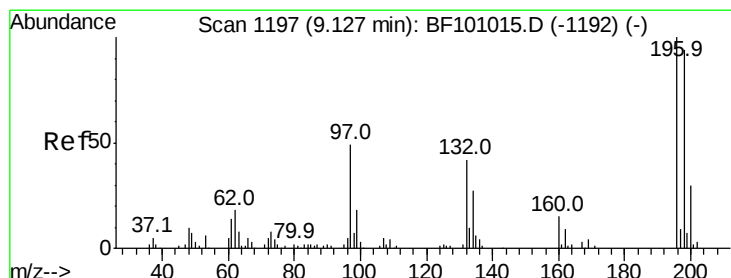
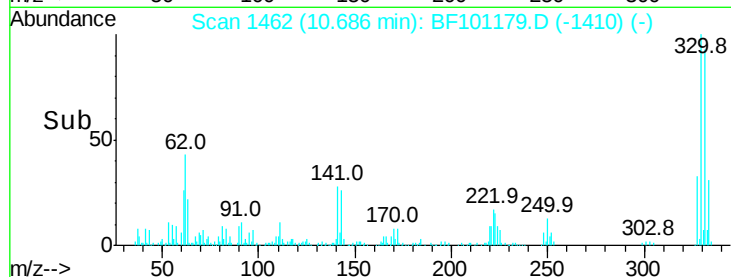
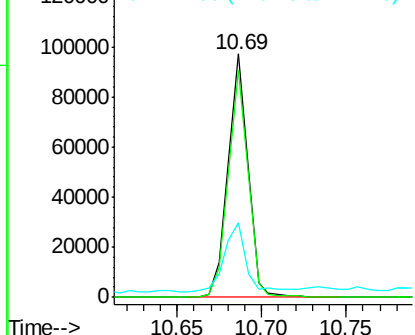
#41
 2,4,6-Tribromophenol
 Concen: 89.136 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Tot Ion:330 Resp: 79742
 Ion Ratio Lower Upper
 330 100
 332 92.6 77.0 115.6
 141 30.5 29.9 44.9

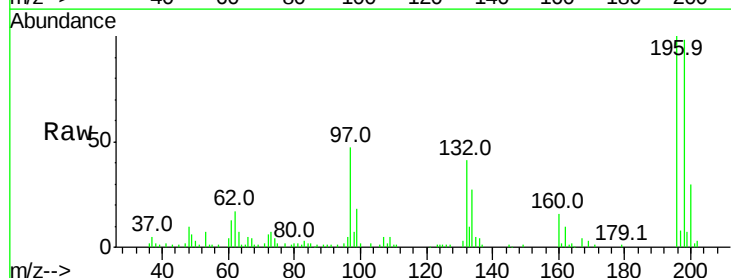


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

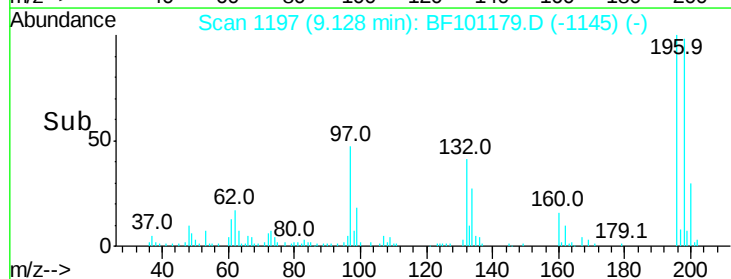
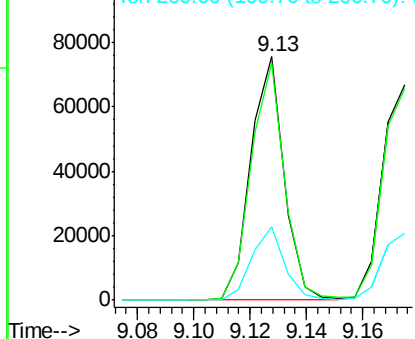


#42
 2,4,6-Trichlorophenol
 Concen: 39.118 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:196 Resp: 62038
 Ion Ratio Lower Upper
 196 100
 198 97.5 75.7 113.5
 200 29.9 24.5 36.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

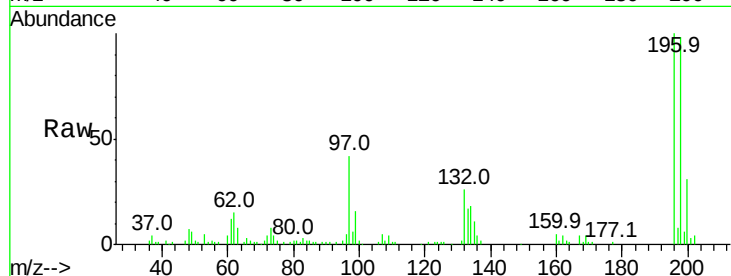




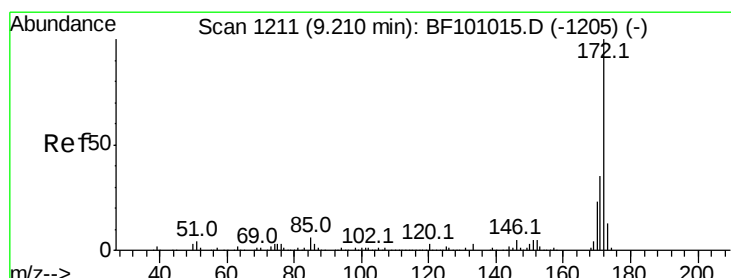
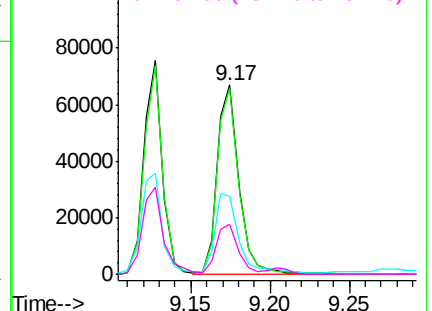
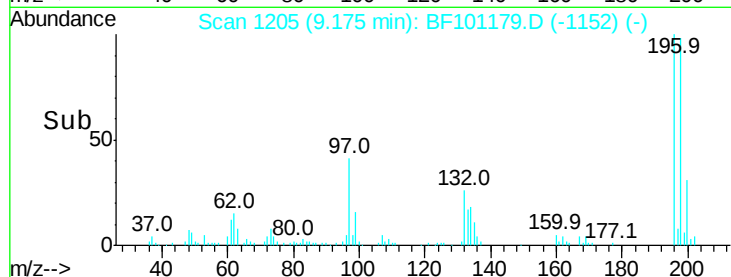
#43
 2,4,5-Trichlorophenol
 Concen: 37.808 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Tot Ion:196 Resp: 64103
 Ion Ratio Lower Upper
 196 100
 198 98.1 74.6 112.0
 97 41.5 42.9 64.3#
 132 26.2 26.3 39.5#

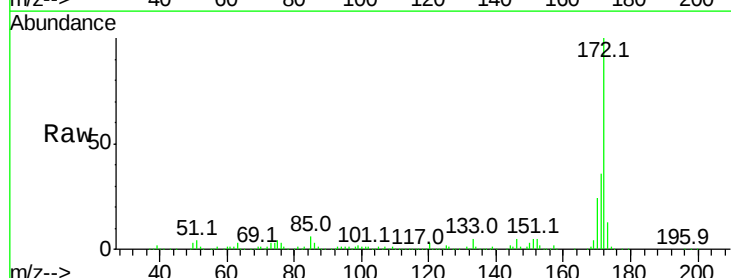


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

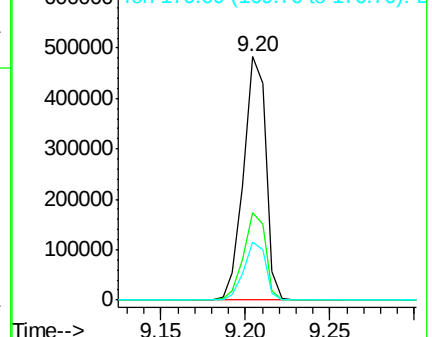
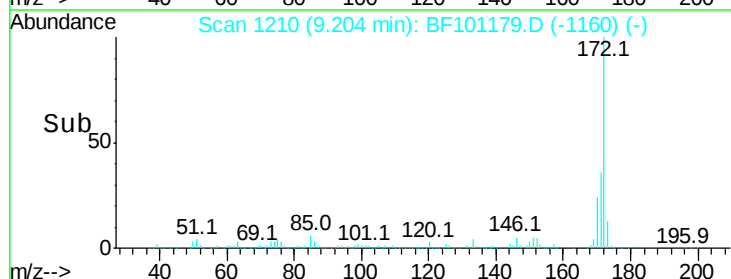


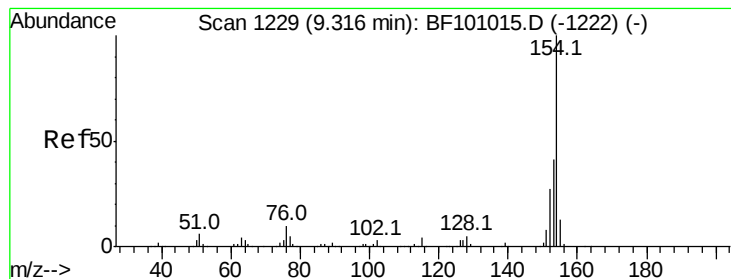
#44
 2-Fluorobiphenyl
 Concen: 81.774 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:172 Resp: 445096
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.7 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: 34.475 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

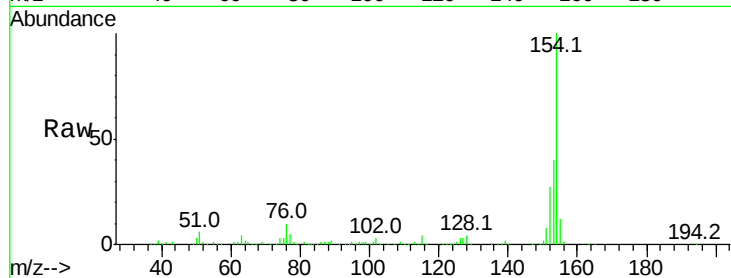
Tot Ion:154 Resp: 235226

Ion Ratio Lower Upper

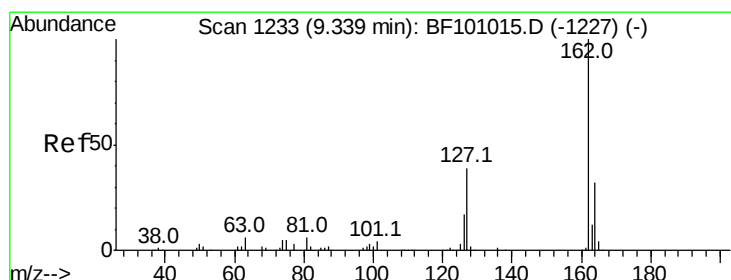
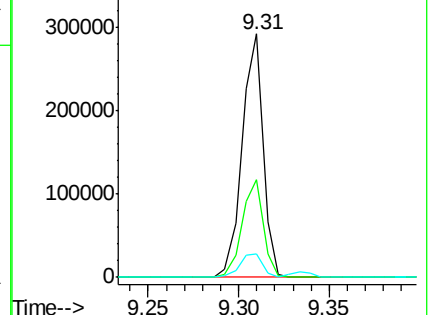
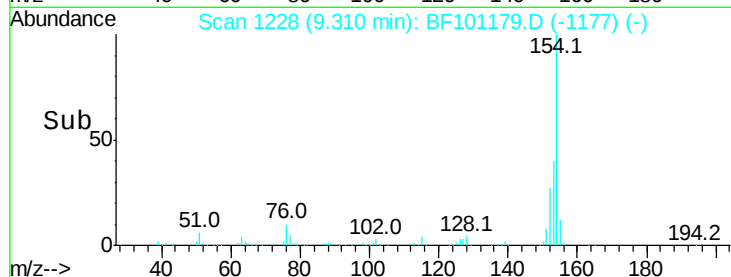
154 100

153 40.2 21.3 61.3

76 9.7 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: 37.737 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

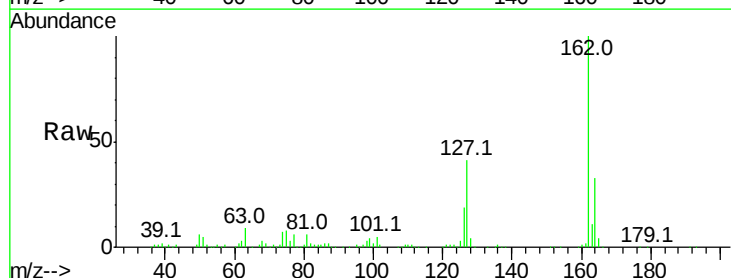
Tgt Ion:162 Resp: 182856

Ion Ratio Lower Upper

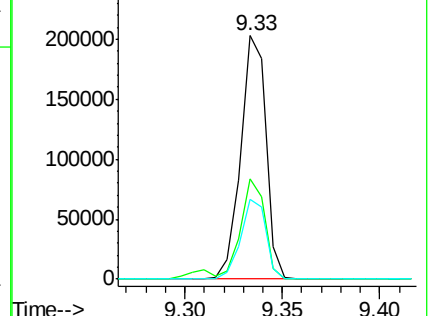
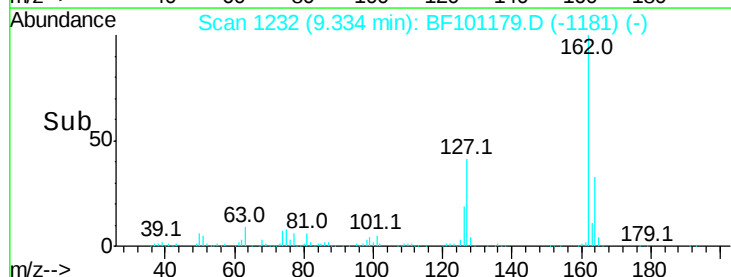
162 100

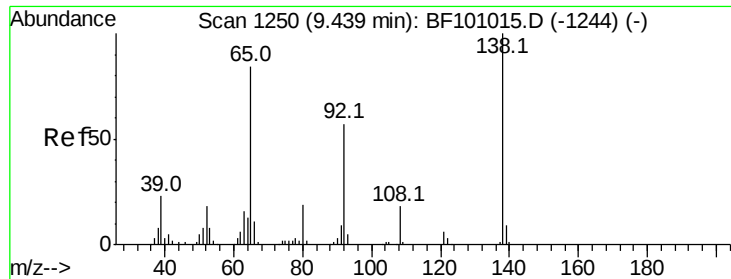
127 41.1 33.9 50.9

164 32.6 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

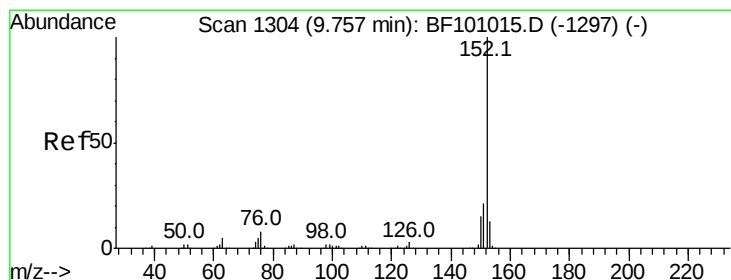
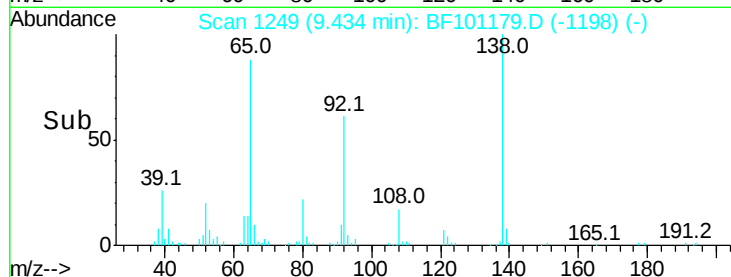
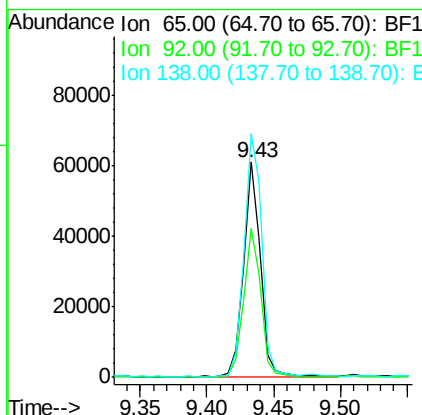
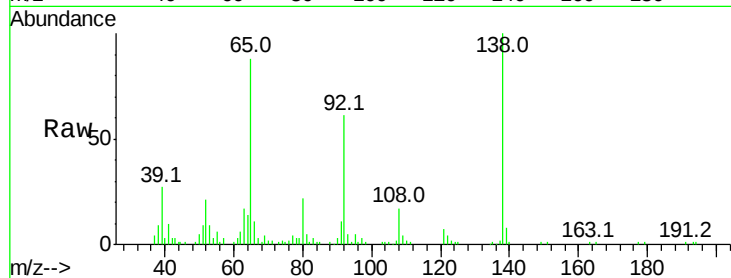




#47
2-Nitroaniline
Concen: 37.881 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

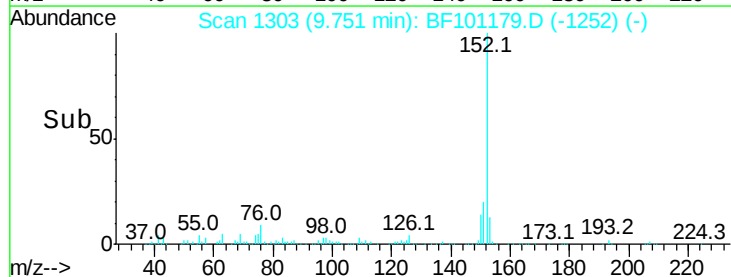
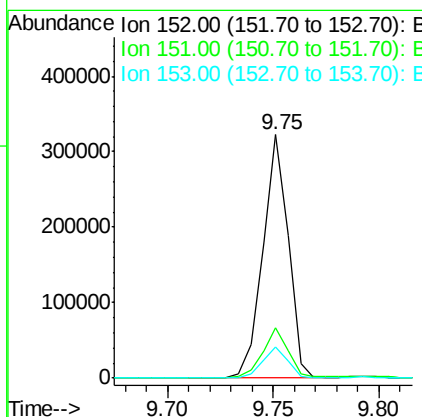
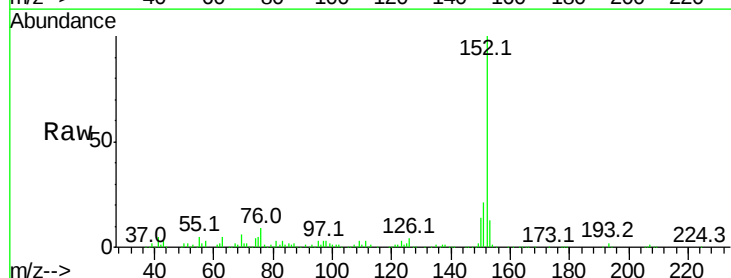
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

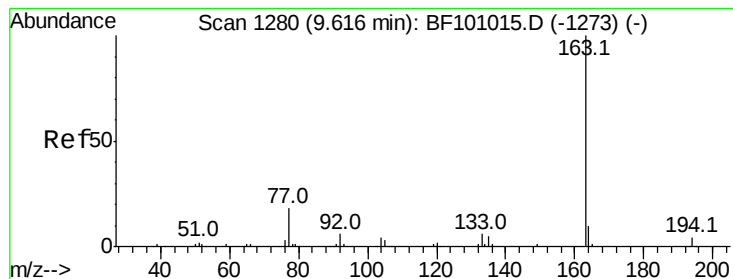
Tot Ion: 65 Resp: 54308
Ion Ratio Lower Upper
65 100
92 69.5 55.8 83.6
138 113.2 91.2 136.8



#48
Acenaphthylene
Concen: 33.734 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion: 152 Resp: 268631
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 13.0 10.7 16.1





#49

Dimethylphthalate

Concen: 41.850 ng

RT: 9.61 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

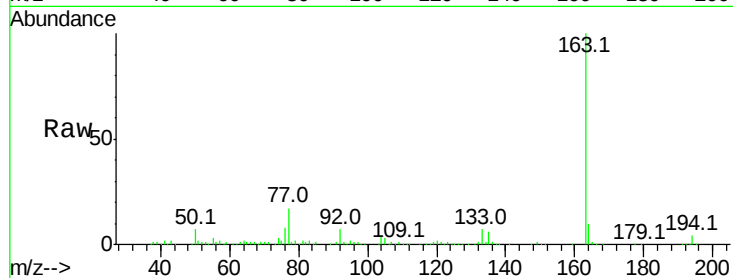
Tot Ion:163 Resp: 251347

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

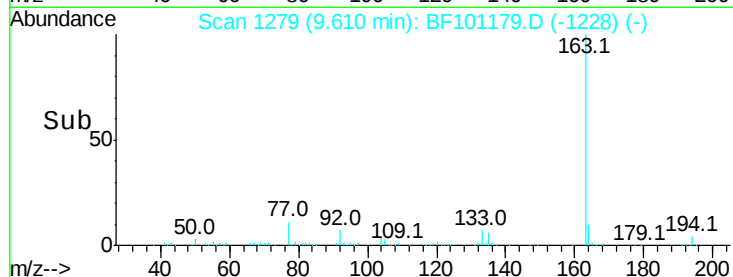
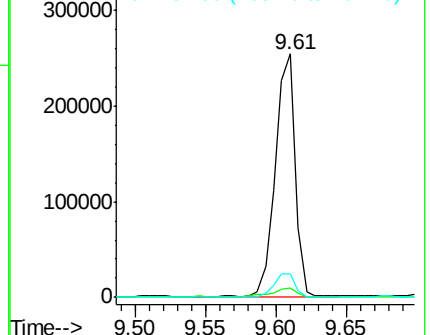
164 9.6 8.2 12.2



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: 35.016 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

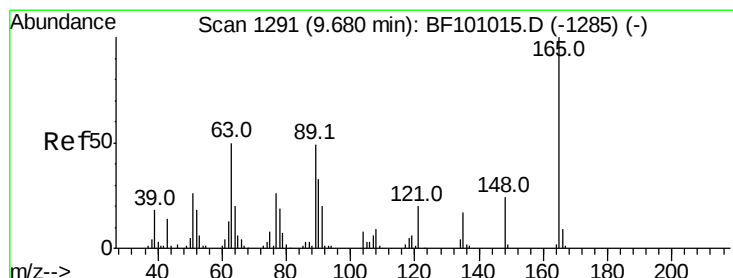
Tgt Ion:165 Resp: 44295

Ion Ratio Lower Upper

165 100

63 56.1 44.7 67.1

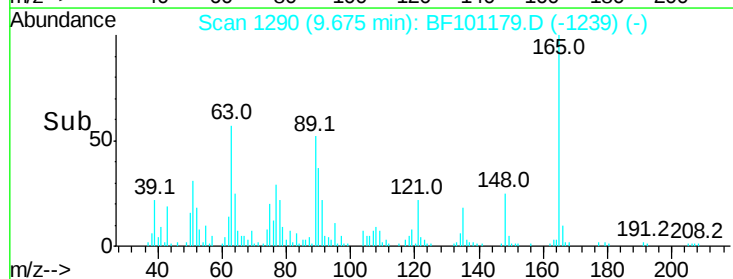
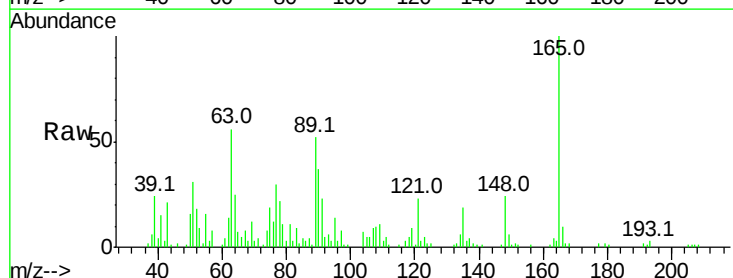
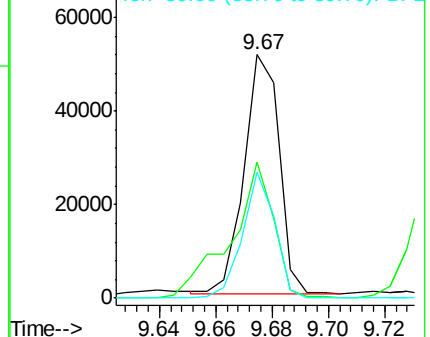
89 51.7 44.0 66.0

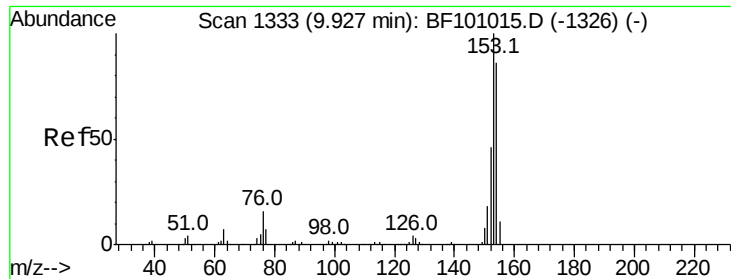


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 33.253 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

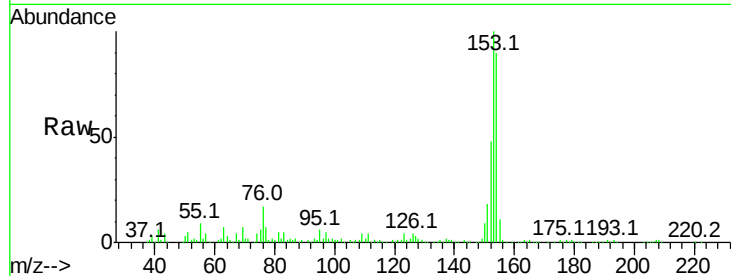
Tot Ion:154 Resp: 158562

Ion Ratio Lower Upper

154 100

153 111.5 91.2 136.8

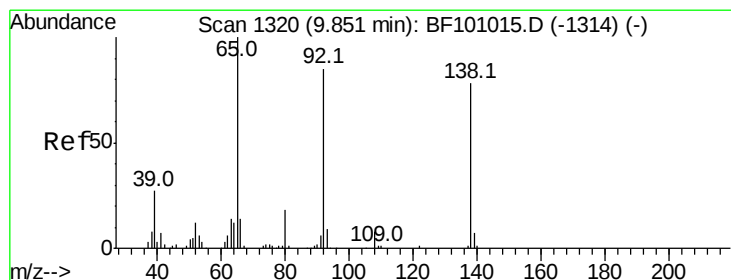
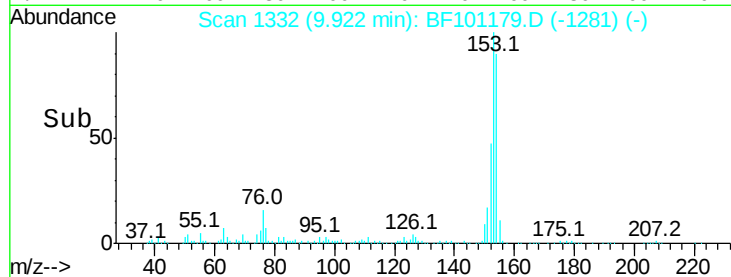
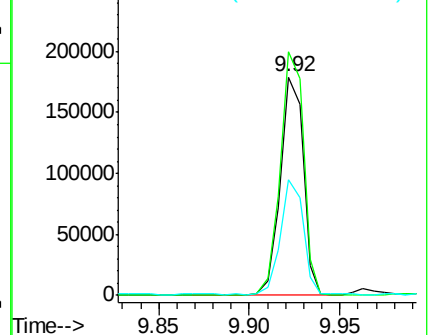
152 53.1 43.8 65.8



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: 32.684 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

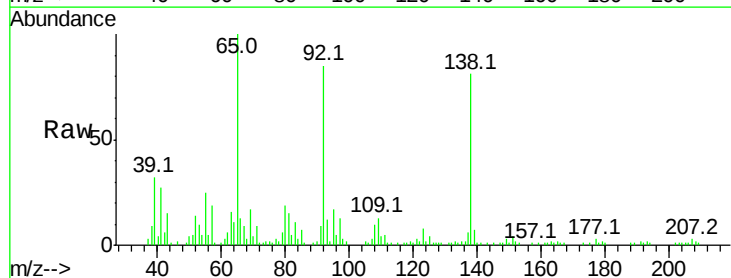
Tgt Ion:138 Resp: 46495

Ion Ratio Lower Upper

138 100

108 11.9 9.4 14.0

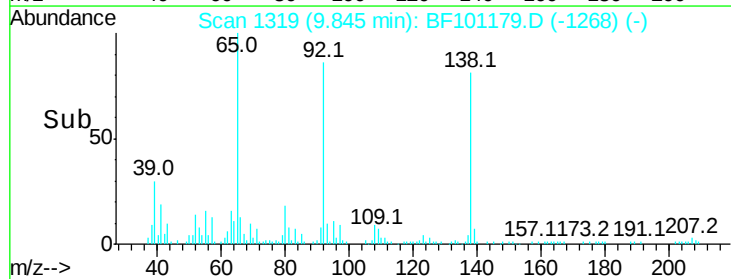
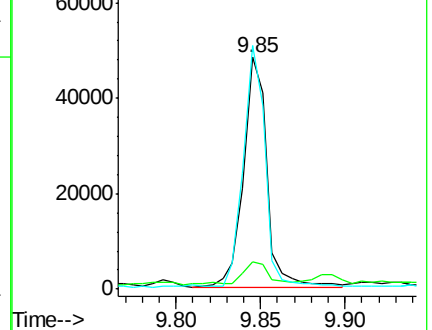
92 105.1 89.4 134.2

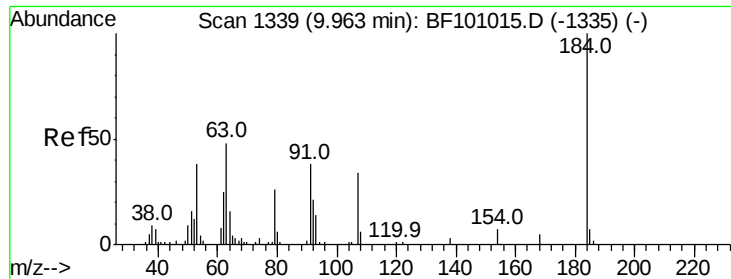


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

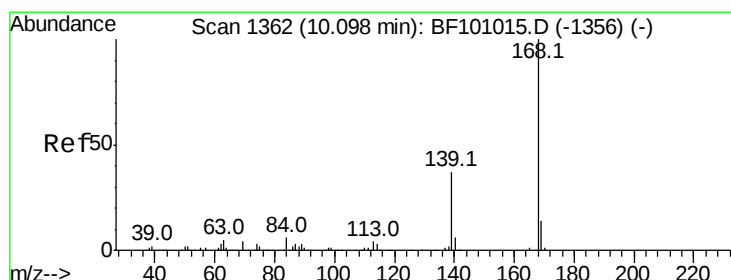
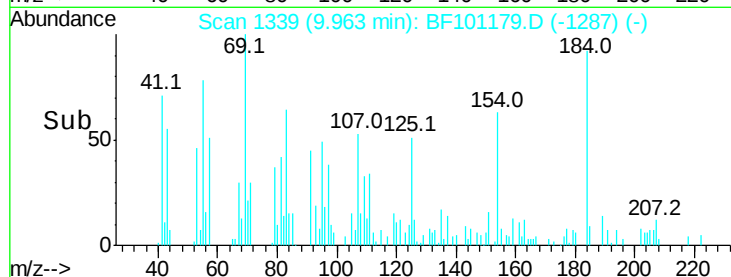
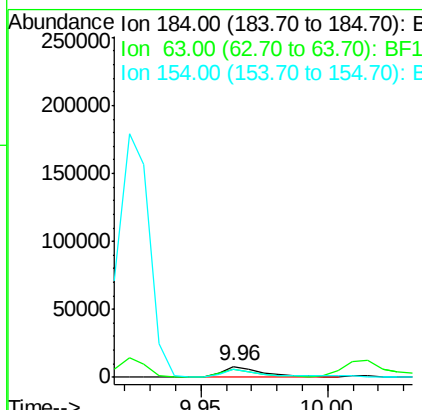
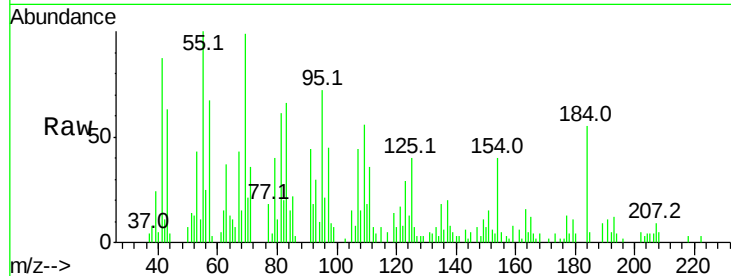




#53
2,4-Dinitrophenol
Concen: 18.300 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

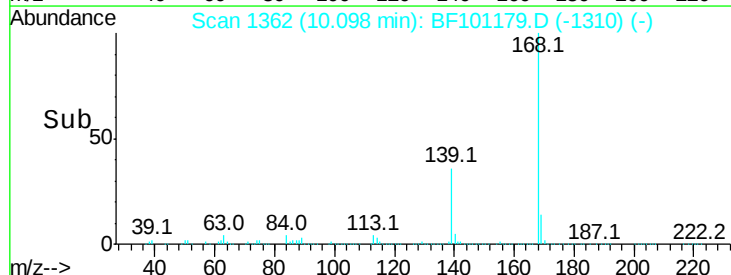
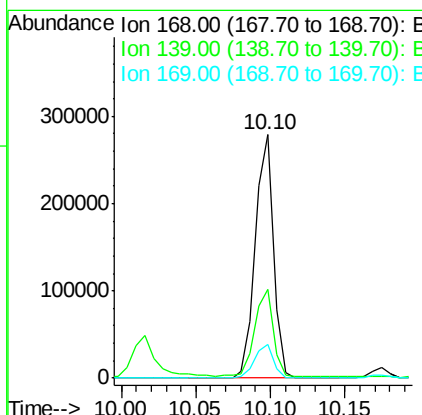
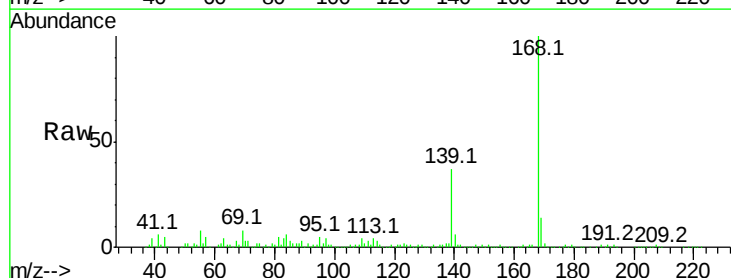
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

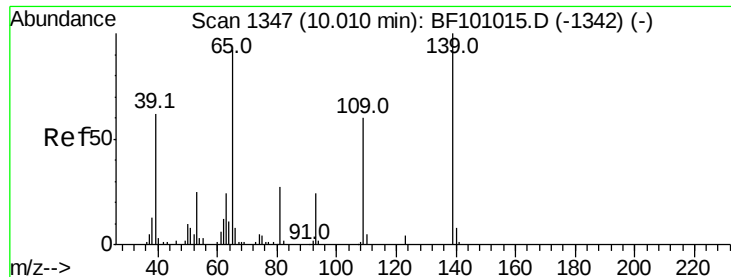
Tot Ion:184 Resp: 9327
Ion Ratio Lower Upper
184 100
63 66.7 54.2 81.2
154 73.0 184.0 276.0#



#54
Dibenzofuran
Concen: 34.014 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:168 Resp: 233726
Ion Ratio Lower Upper
168 100
139 36.5 30.1 45.1
169 14.1 10.9 16.3

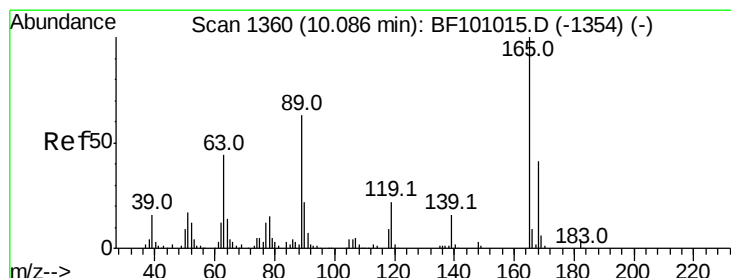
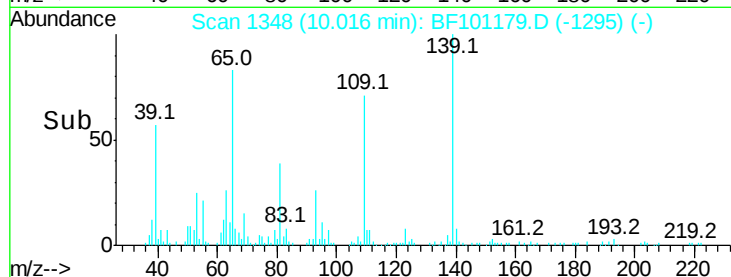
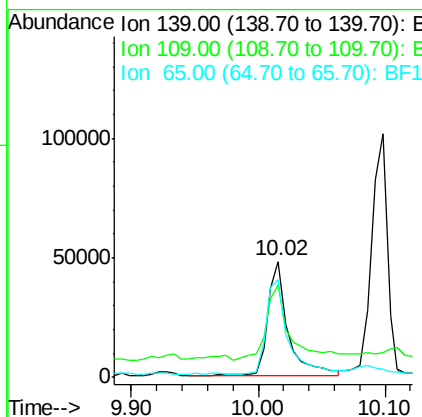
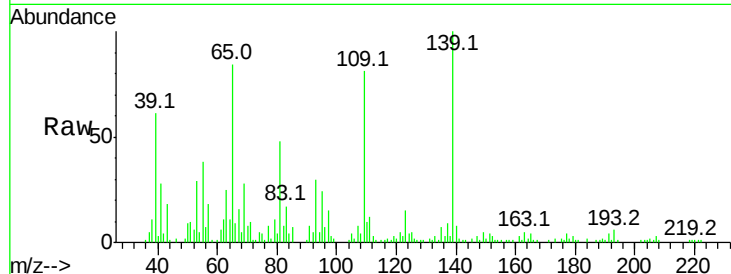




#55
4-Nitrophenol
Concen: 56.143 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

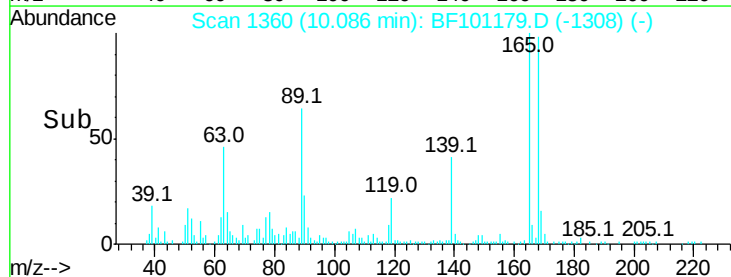
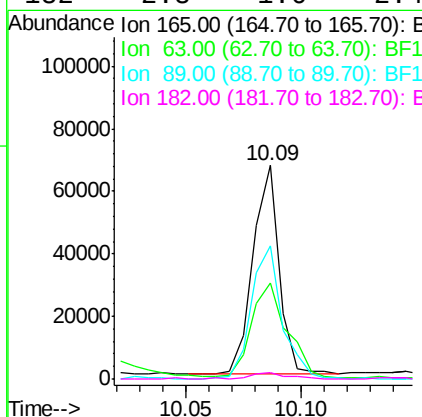
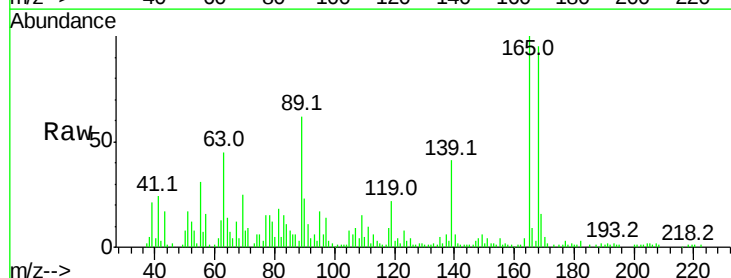
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

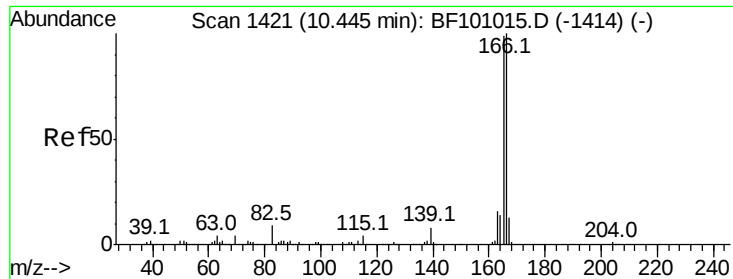
Tot Ion:139 Resp: 53862
Ion Ratio Lower Upper
139 100
109 80.6 48.4 88.4
65 84.2 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 31.171 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:165 Resp: 52844
Ion Ratio Lower Upper
165 100
63 44.8 36.4 54.6
89 62.2 57.8 86.6
182 2.8 1.6 2.4#





#57

Fluorene

Concen: 31.278 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

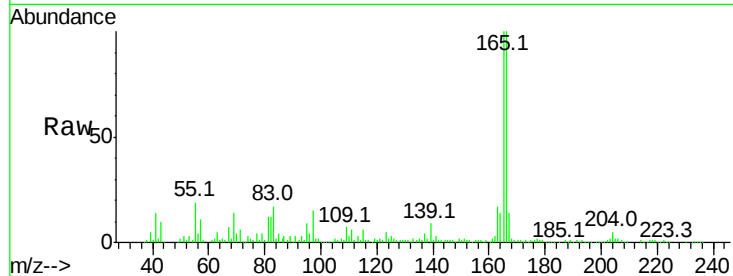
Tot Ion:166 Resp: 174717

Ion Ratio Lower Upper

166 100

165 100.3 79.8 119.8

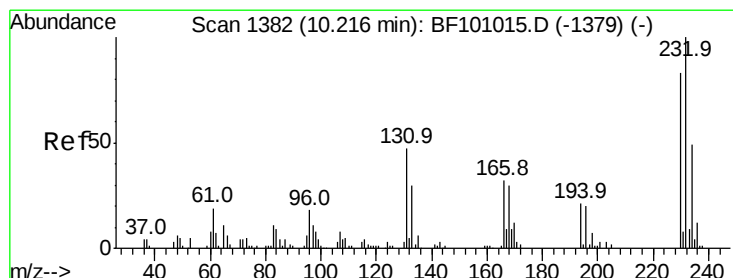
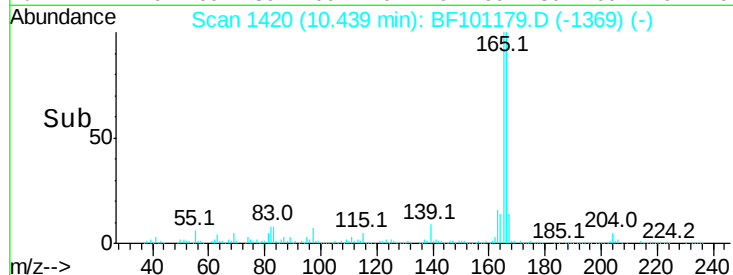
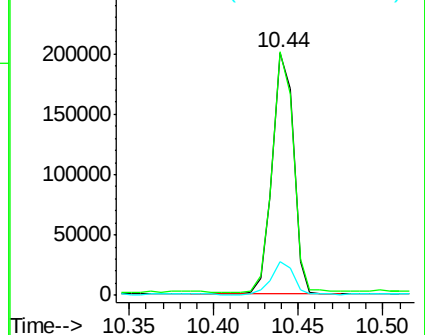
167 13.8 10.6 16.0



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: 32.859 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Tgt Ion:232 Resp: 44607

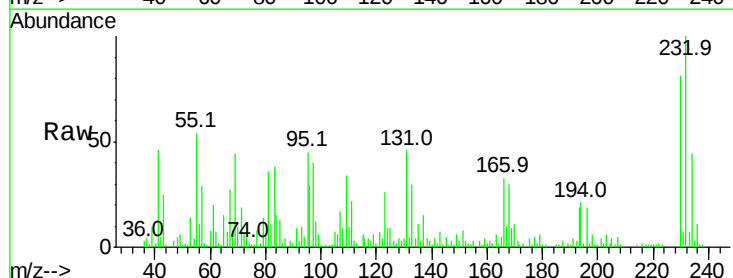
Ion Ratio Lower Upper

232 100

131 41.0 43.8 65.8#

130 4.8 2.1 3.1#

166 28.8 27.8 41.6

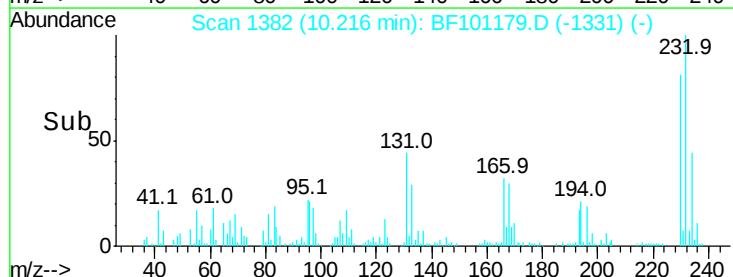
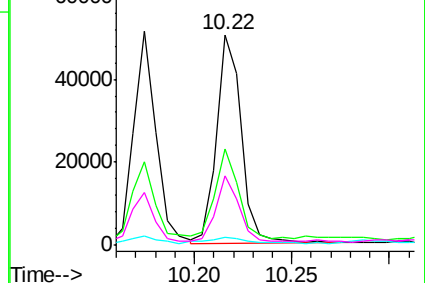


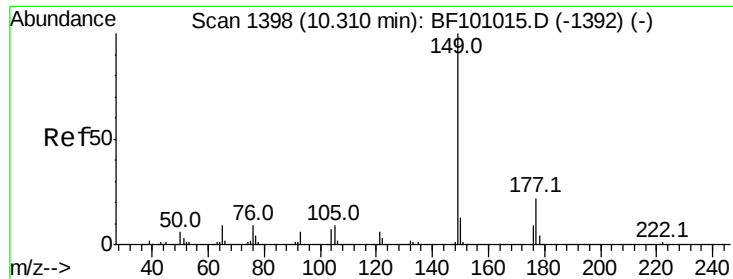
Abundance Ion 232.00 (231.70 to 232.70): E

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

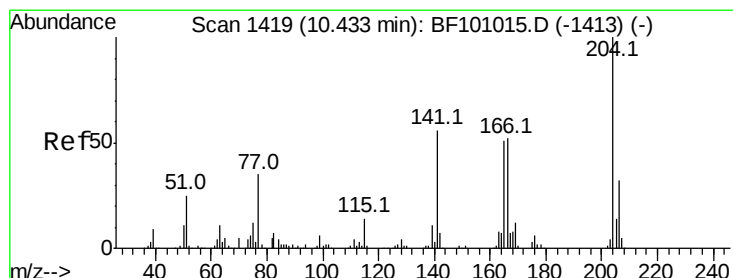
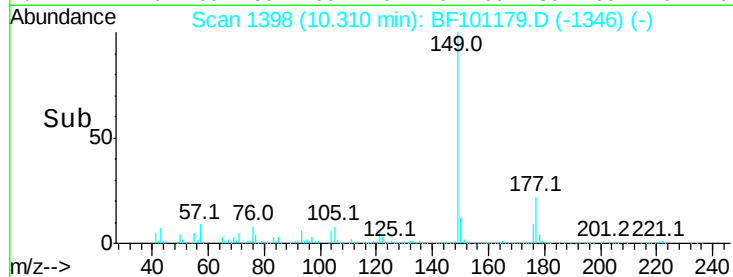
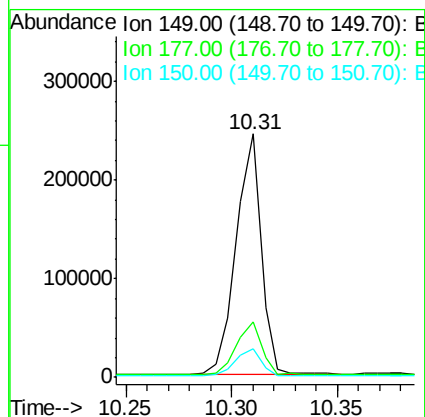
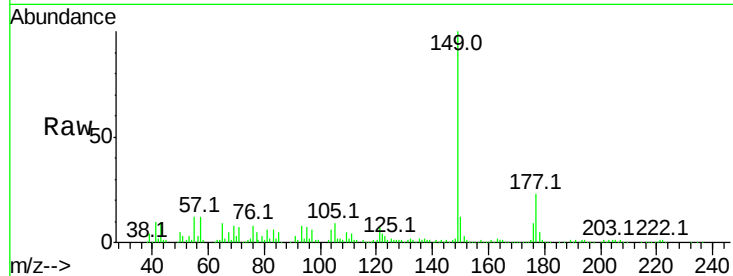




#59
 Diethylphthalate
 Concen: 33.443 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

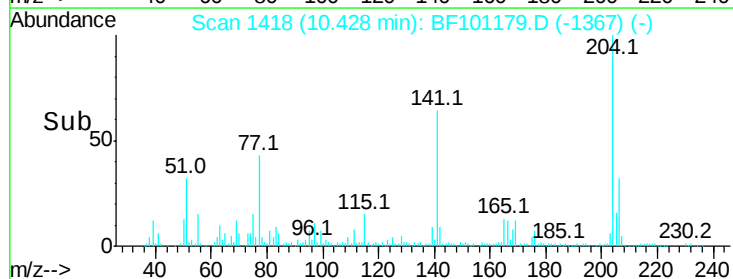
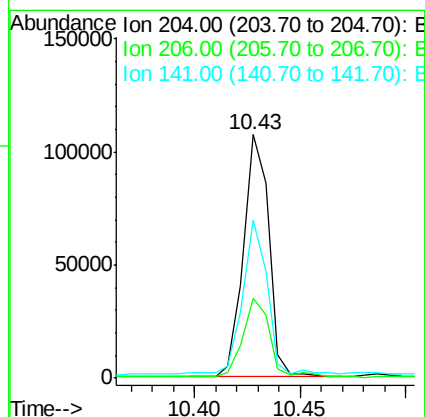
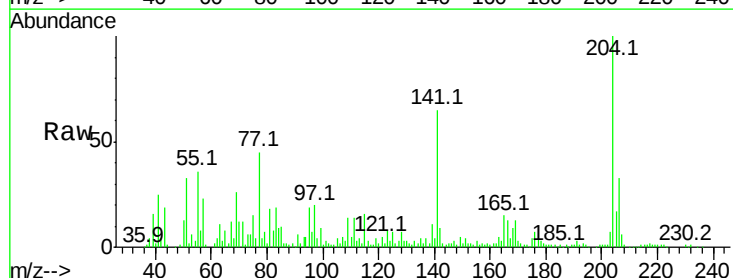
Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

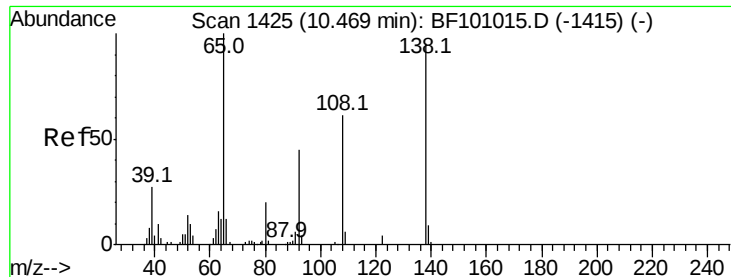
Tot Ion:	149	Resp:	198114
Ion	Ratio	Lower	Upper
149	100		
177	23.0	16.1	24.1
150	12.0	10.1	15.1



#60
 4-Chlorophenyl-phenylether
 Concen: 31.932 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:	204	Resp:	88069
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	64.9	54.6	81.8

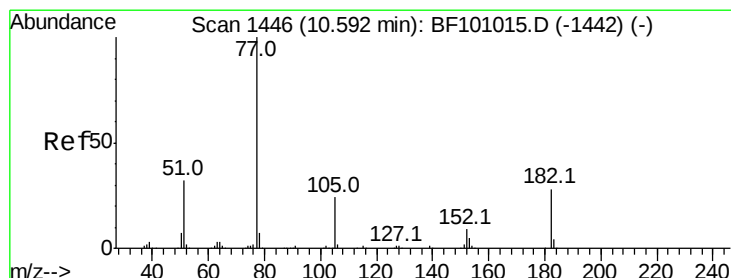
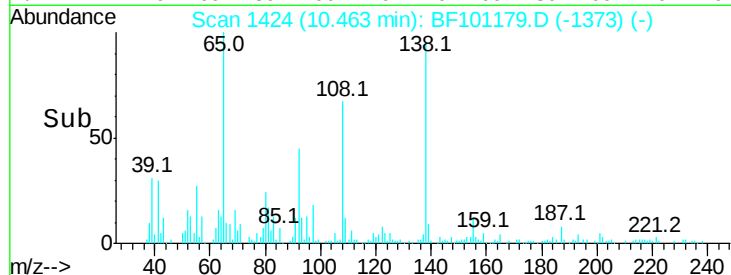
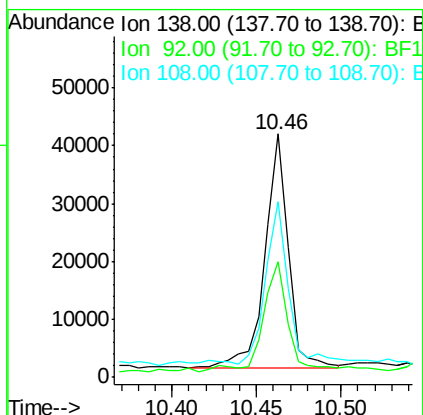
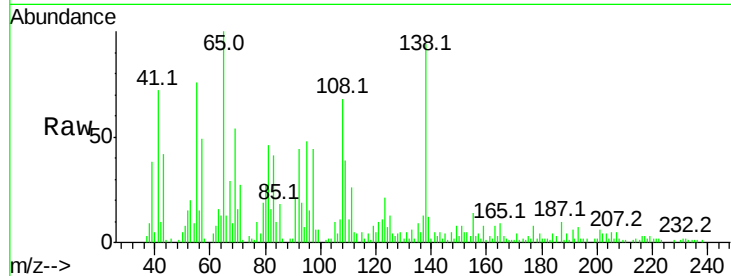




#61
4-Nitroaniline
Concen: 26.097 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

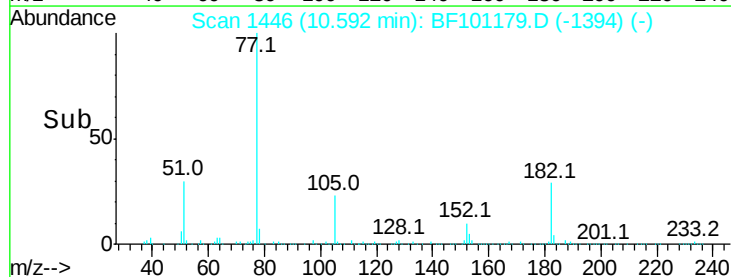
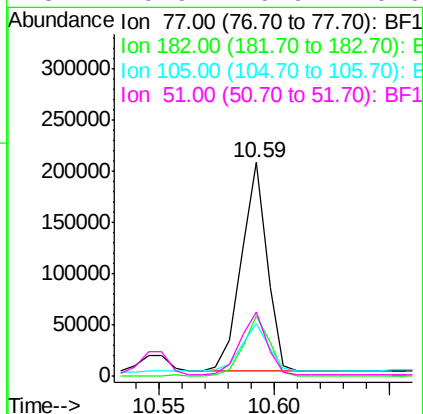
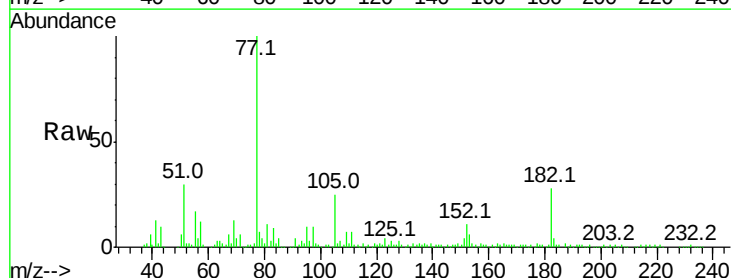
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

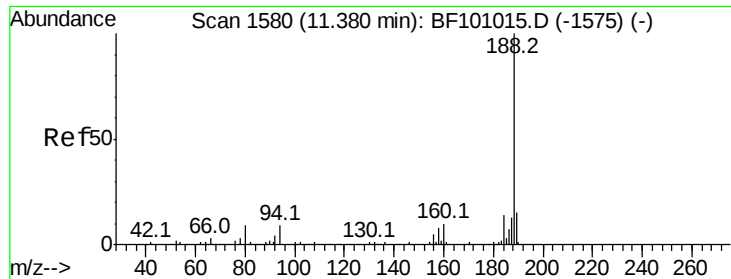
Tot Ion:138 Resp: 38537
Ion Ratio Lower Upper
138 100
92 47.3 30.2 70.2
108 72.2 52.5 92.5



#62
Azobenzene
Concen: 31.681 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion: 77 Resp: 159271
Ion Ratio Lower Upper
77 100
182 28.5 1.7 41.7
105 24.6 3.0 43.0
51 29.9 9.9 49.9

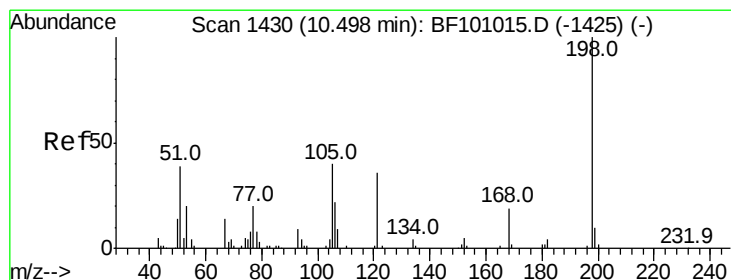
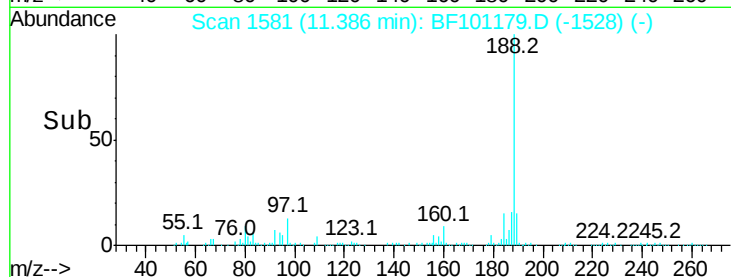
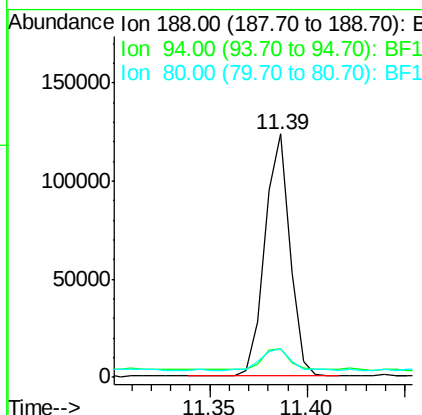
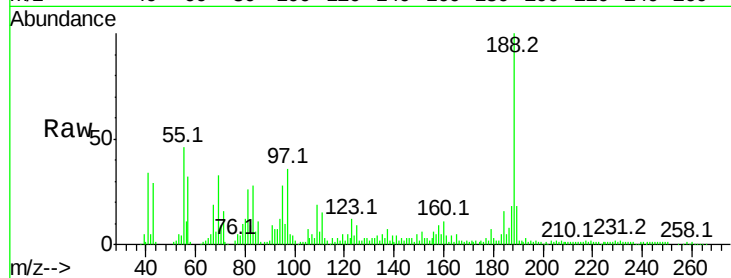




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

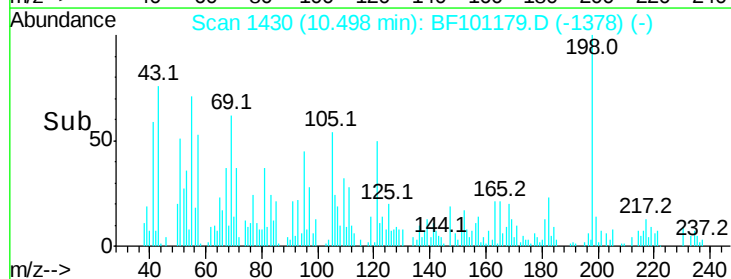
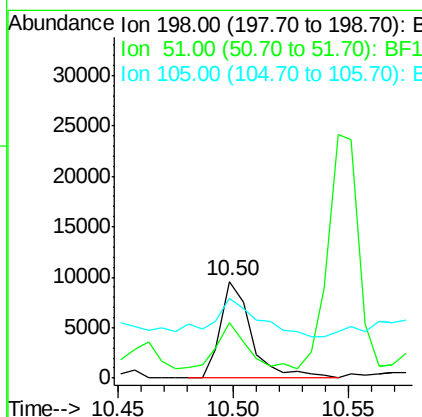
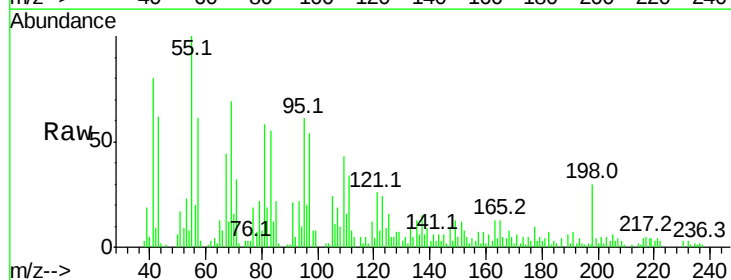
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

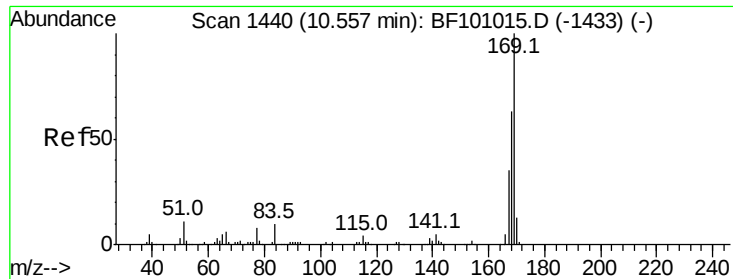
Tot Ion:188 Resp: 109804
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 12.181 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:198 Resp: 8971
Ion Ratio Lower Upper
198 100
51 56.8 37.7 77.7
105 82.3 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 42.309 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

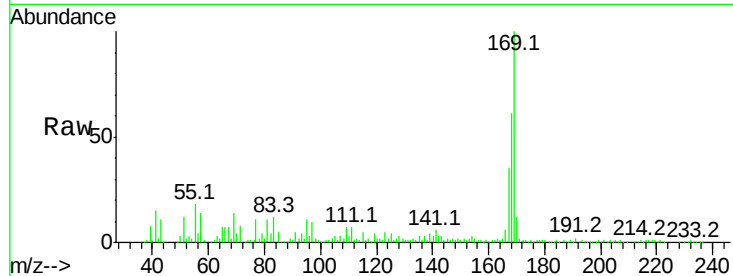
Tot Ion:169 Resp: 163895

Ion Ratio Lower Upper

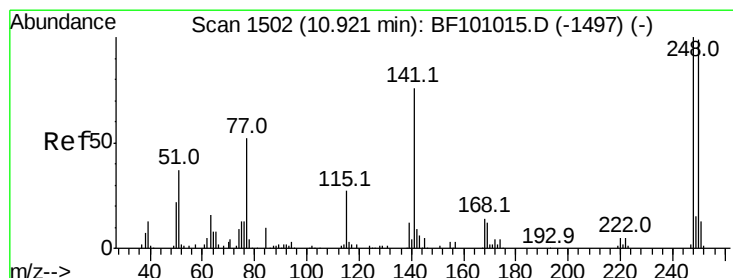
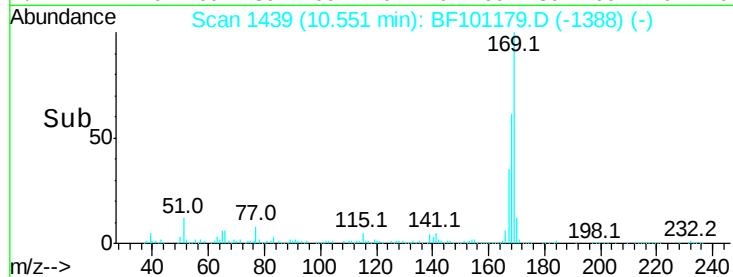
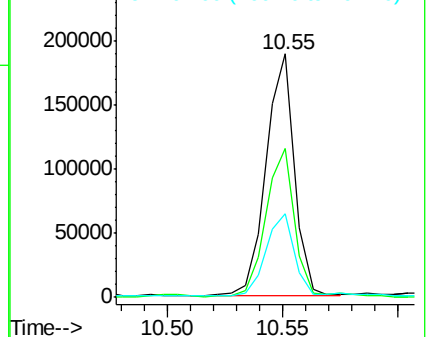
169 100

168 61.3 54.4 81.6

167 34.6 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.380 ng

RT: 10.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

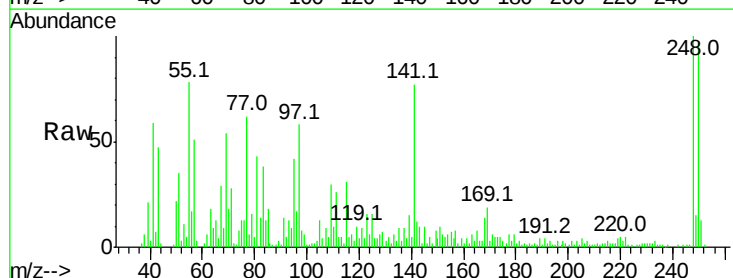
Tgt Ion:248 Resp: 53317

Ion Ratio Lower Upper

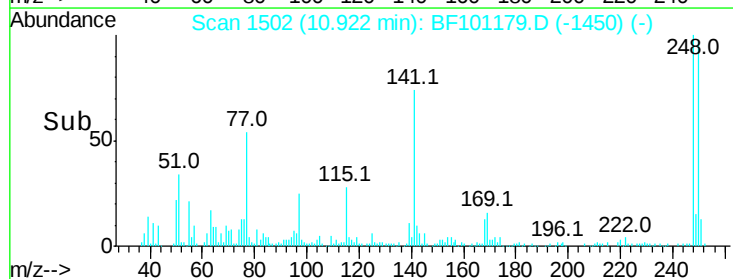
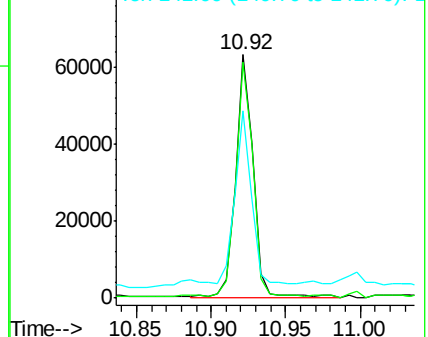
248 100

250 97.1 76.9 115.3

141 76.7 74.4 111.6



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 37.142 ng

RT: 11.00 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

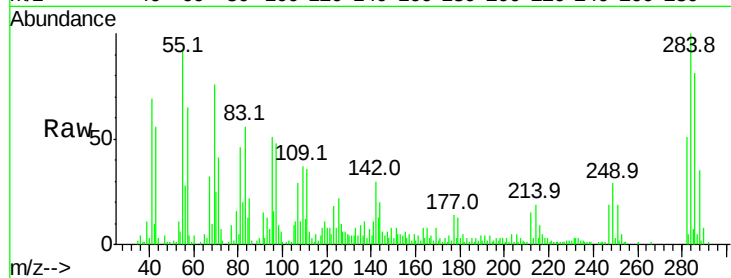
Tot Ion:284 Resp: 48926

Ion Ratio Lower Upper

284 100

142 29.6 34.6 52.0#

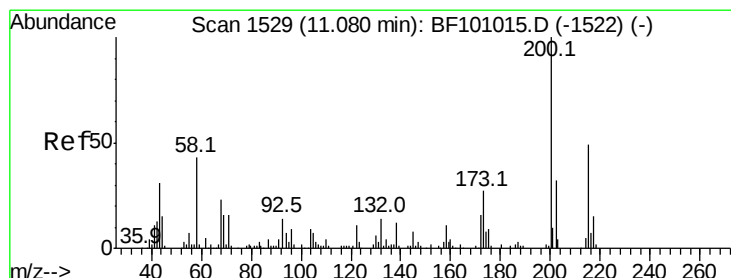
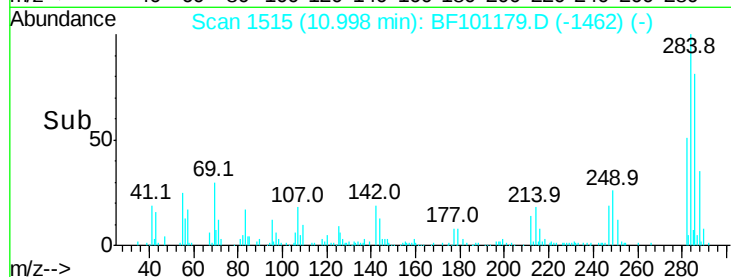
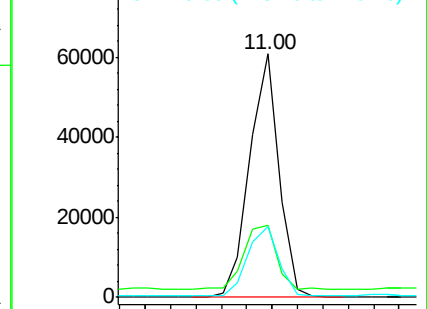
249 29.0 24.8 37.2



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: 44.106 ng

RT: 11.08 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

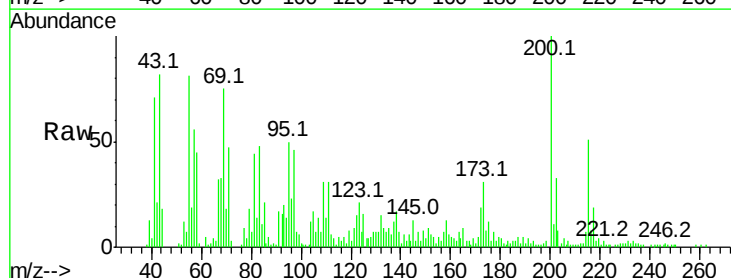
Tgt Ion:200 Resp: 52410

Ion Ratio Lower Upper

200 100

173 31.3 8.6 48.6

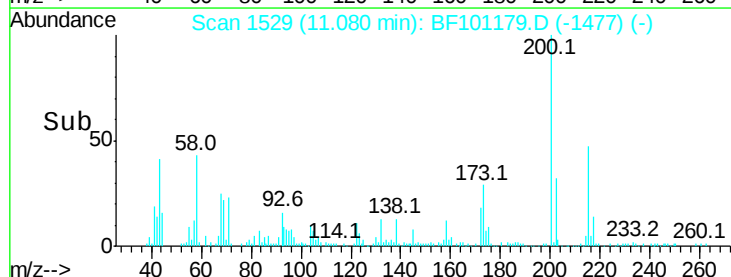
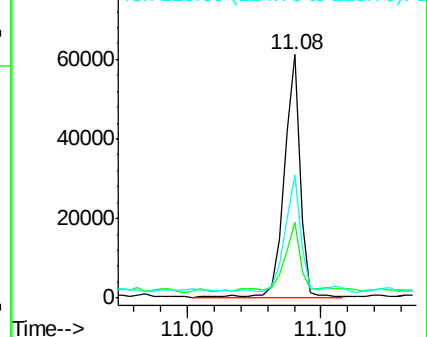
215 50.6 25.1 65.1

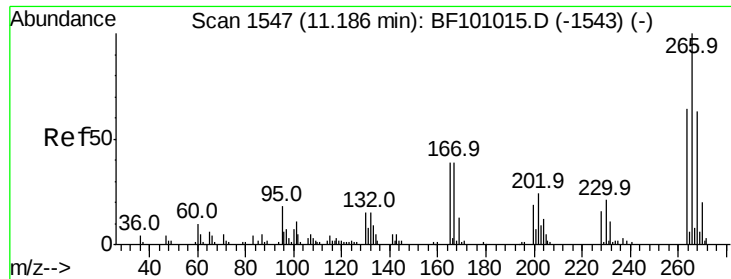


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 57.283 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

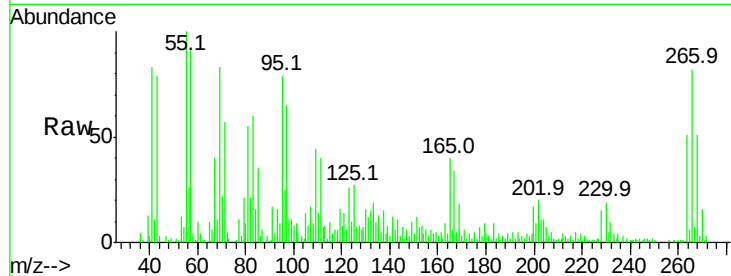
Tot Ion:266 Resp: 41489

Ion Ratio Lower Upper

266 100

268 63.0 51.1 76.7

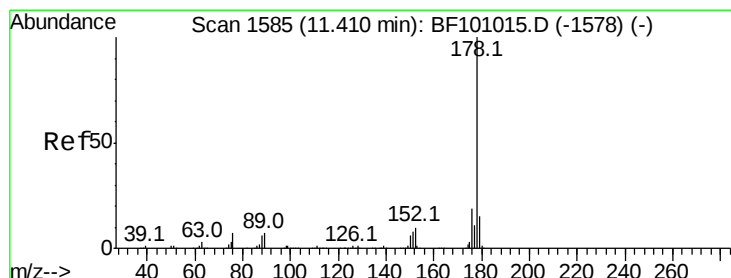
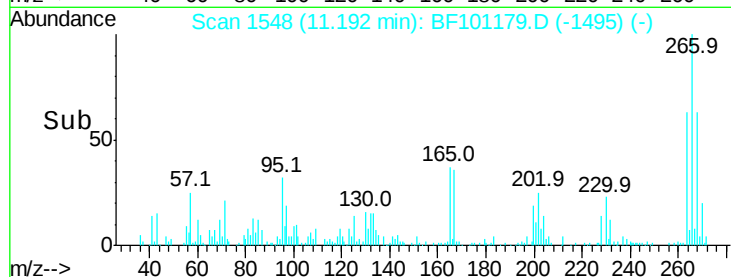
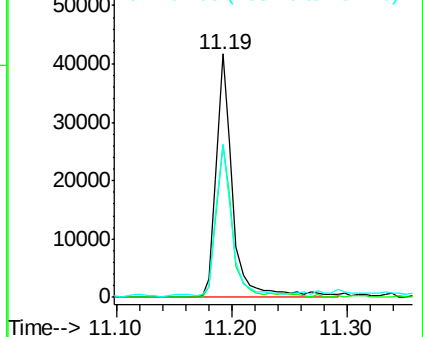
264 62.5 49.5 74.3



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: 36.338 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

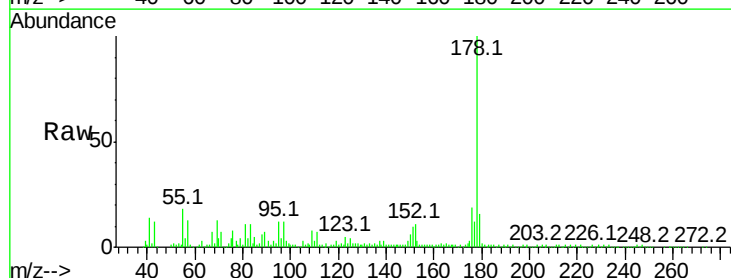
Tgt Ion:178 Resp: 219728

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

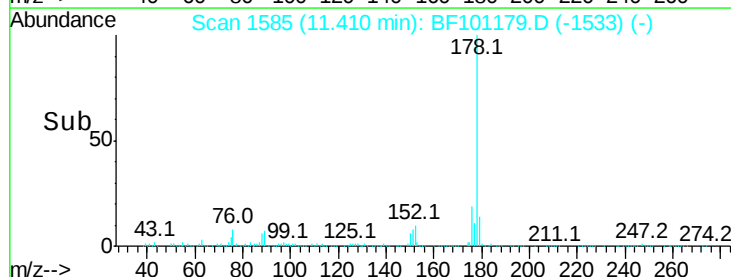
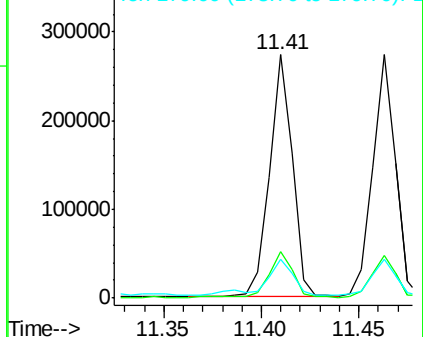
179 16.2 13.0 19.6

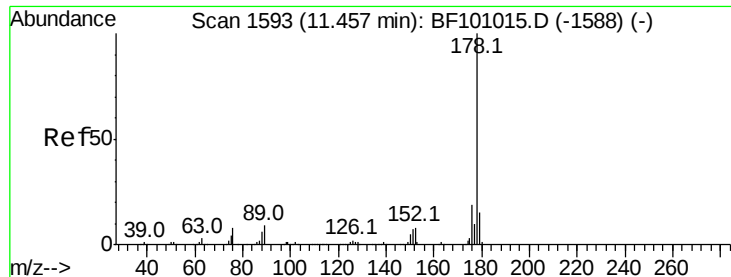


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

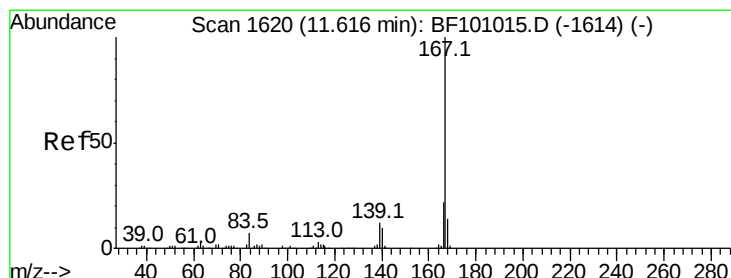
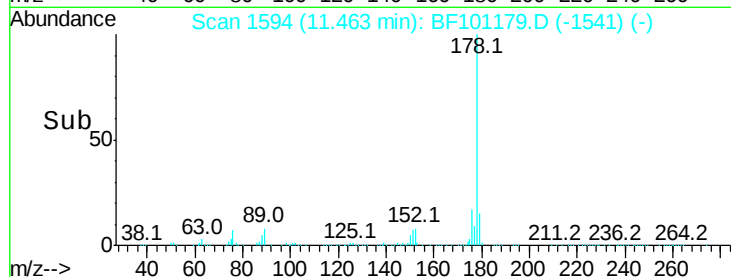
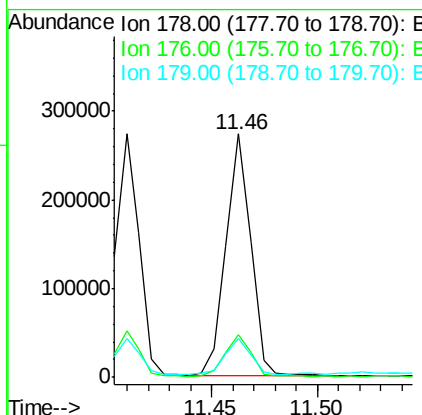
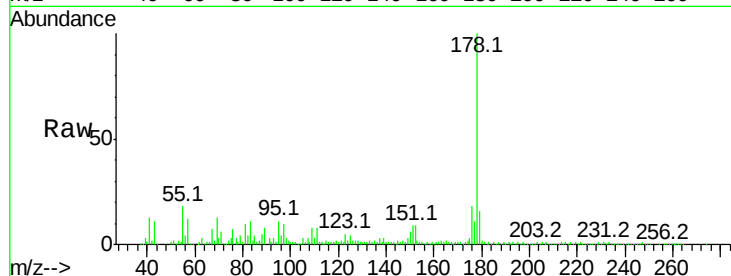




#71
 Anthracene
 Concen: 35.932 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

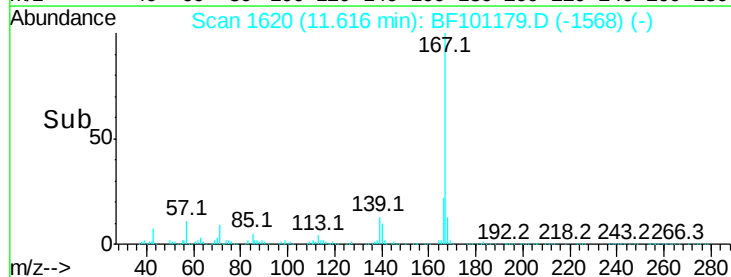
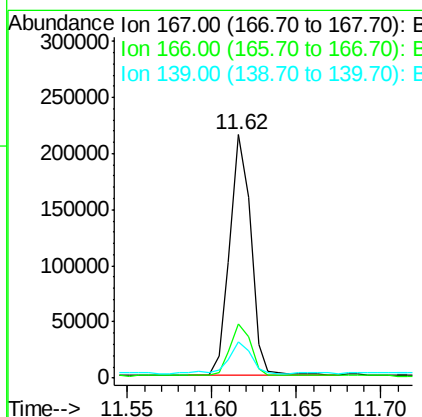
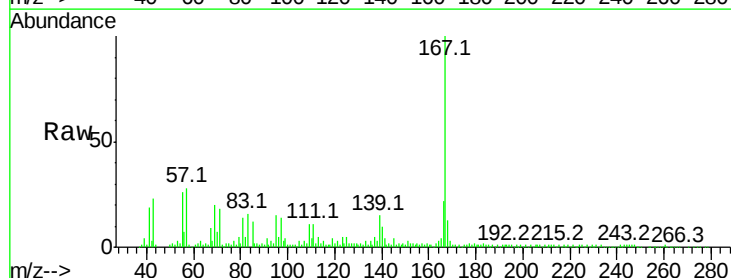
Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

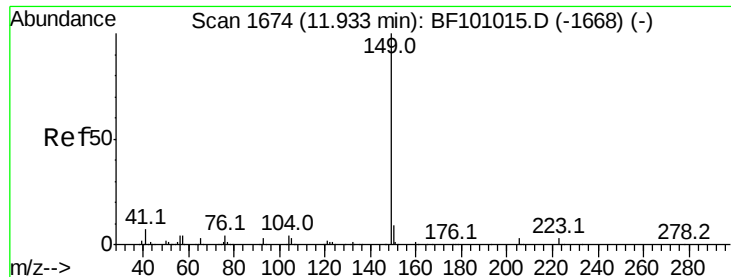
Tot Ion:178 Resp: 219904
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 16.1 12.6 19.0



#72
 Carbazole
 Concen: 33.611 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:167 Resp: 187939
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 14.9 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.486 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

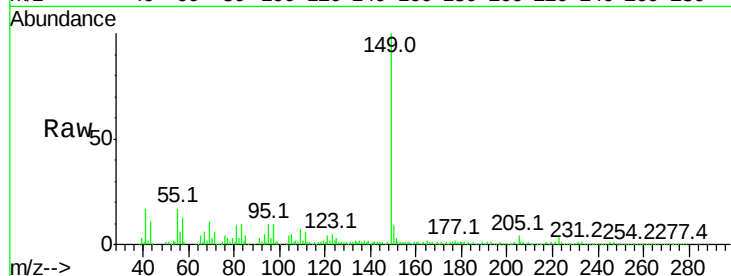
Tot Ion:149 Resp: 262726

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

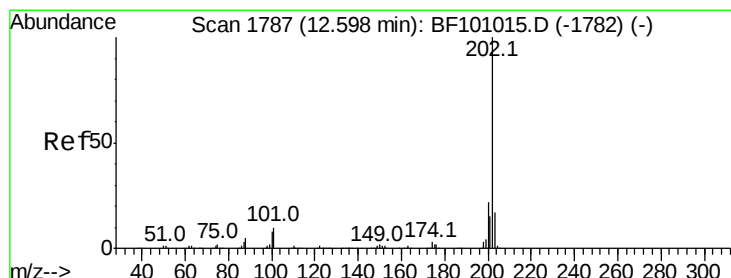
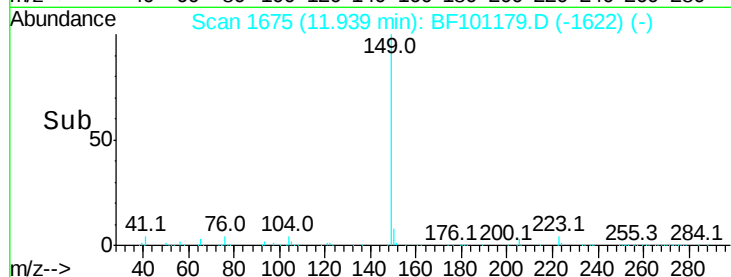
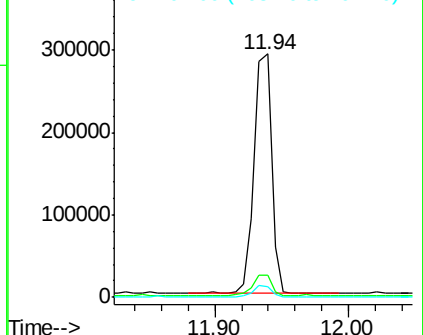
104 4.2 3.8 5.8



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: 32.034 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

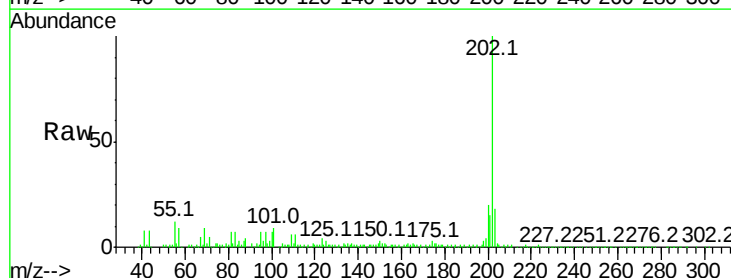
Tgt Ion:202 Resp: 214721

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

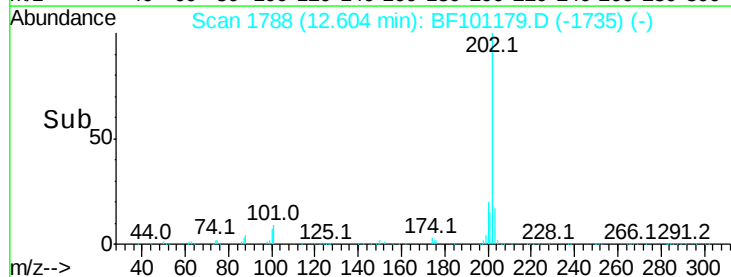
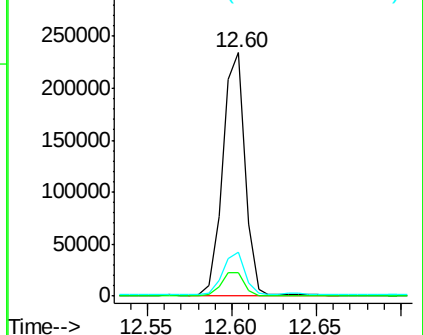
203 17.8 0.0 38.1

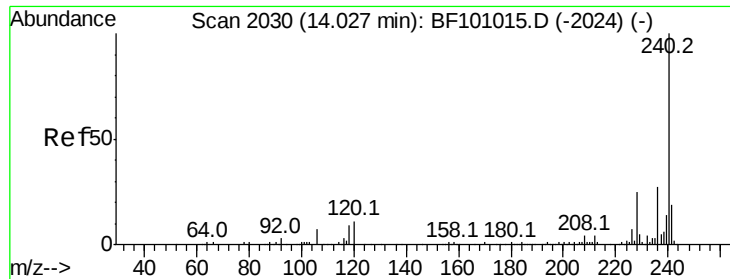


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

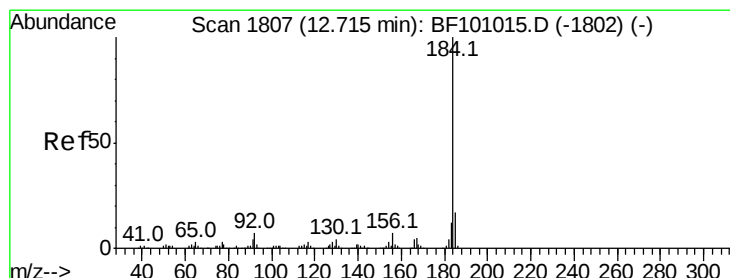
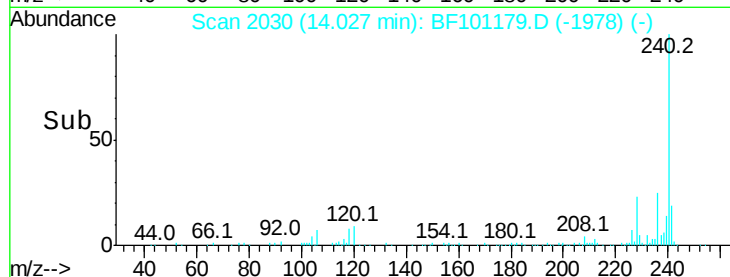
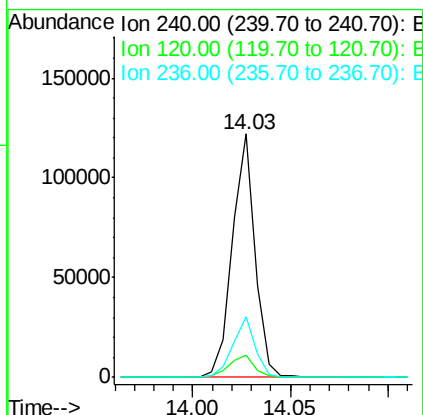
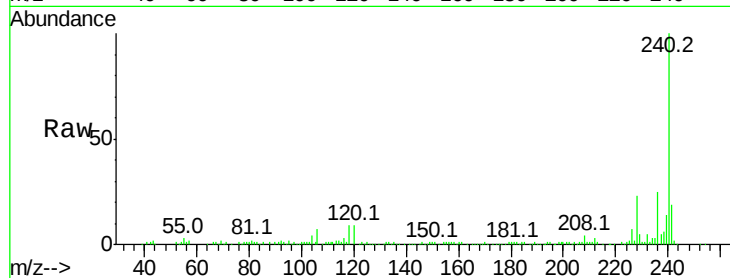




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

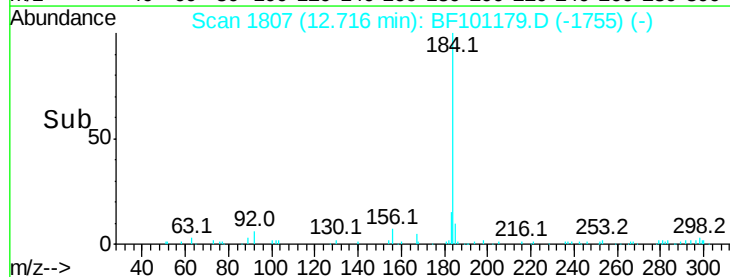
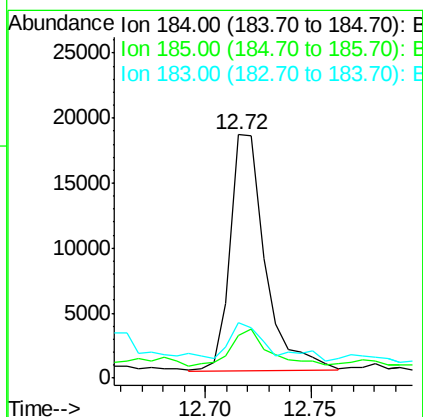
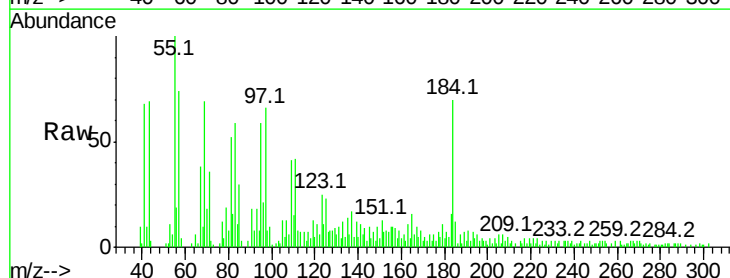
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

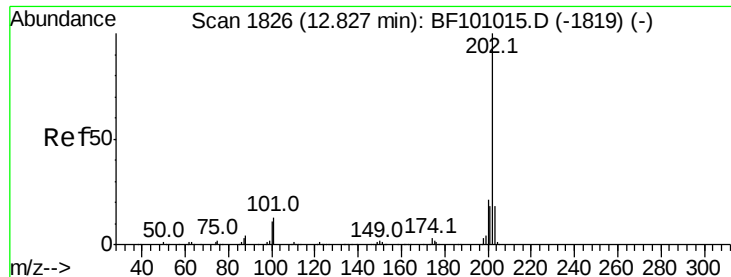
Tot Ion:240 Resp: 98645
Ion Ratio Lower Upper
240 100
120 9.3 9.5 14.3#
236 25.0 20.7 31.1



#76
Benzidine
Concen: 6.503 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:184 Resp: 20861
Ion Ratio Lower Upper
184 100
185 17.3 12.6 18.8
183 22.7 9.3 13.9#





#77

Pvrene

Concen: 31.667 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

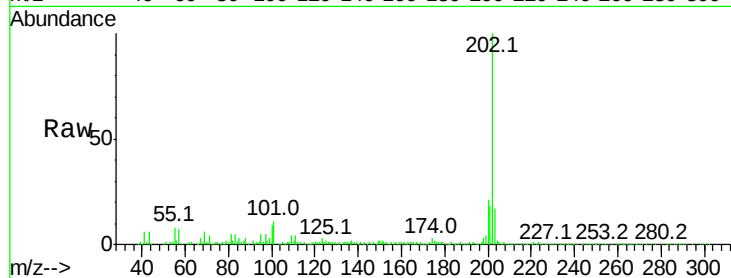
Tot Ion:202 Resp: 215550

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

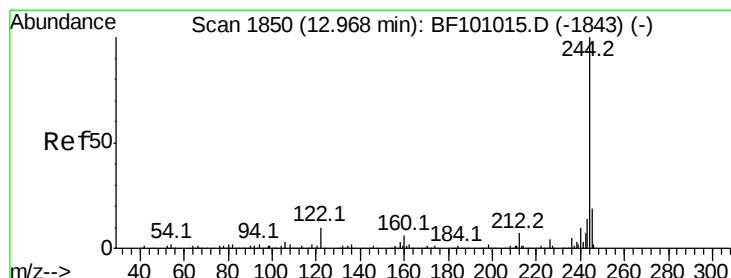
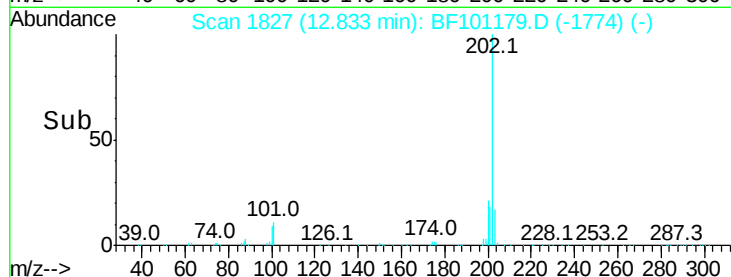
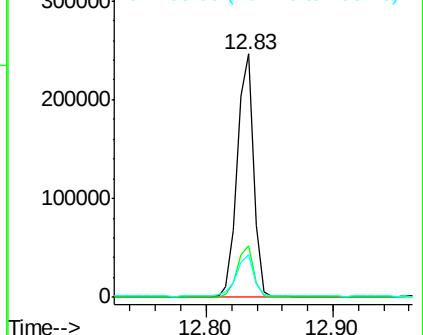
203 17.5 14.3 21.5



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: 68.496 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

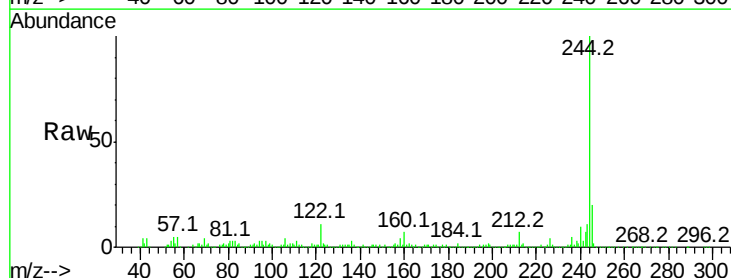
Tgt Ion:244 Resp: 308914

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

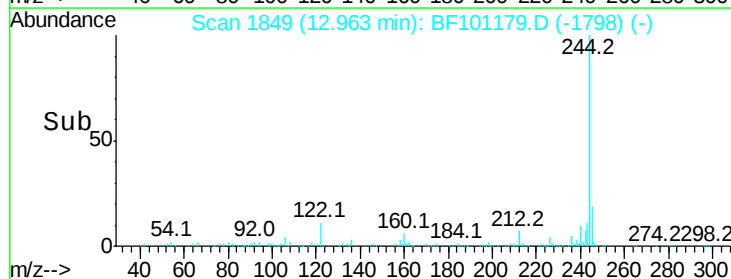
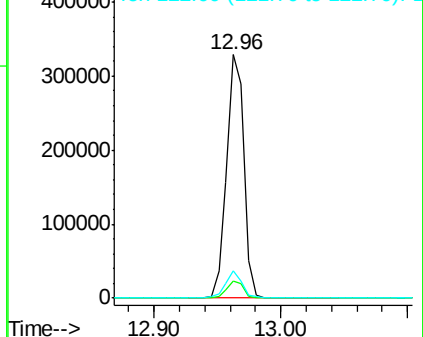
122 11.2 11.0 16.4

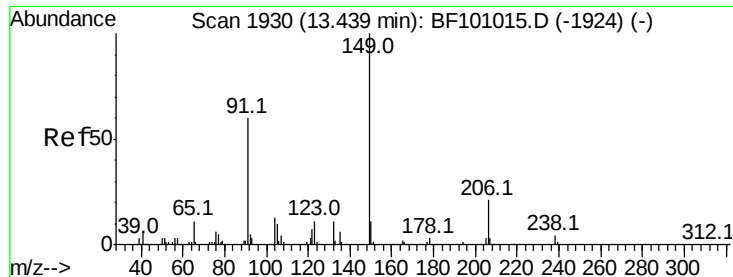


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

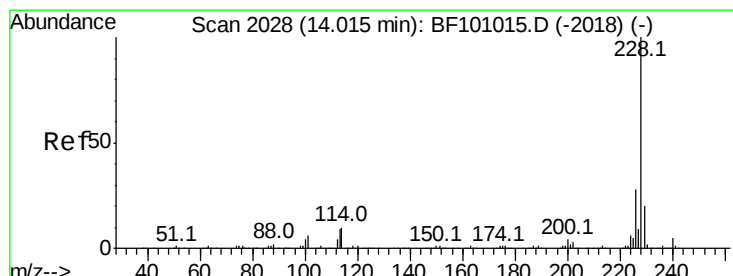
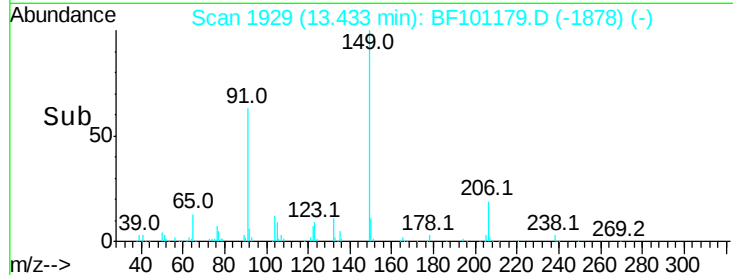
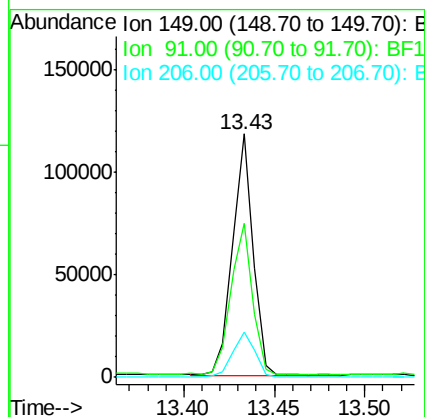
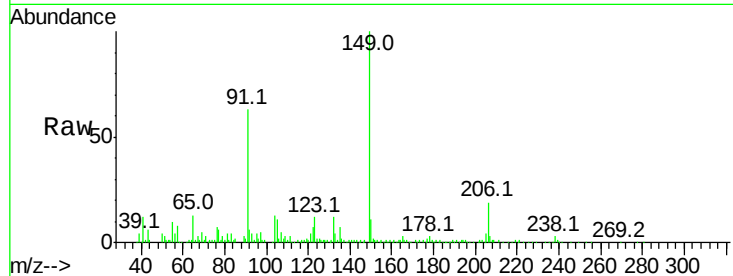




#79
Butylbenzylphthalate
Concen: 31.208 ng
RT: 13.43 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

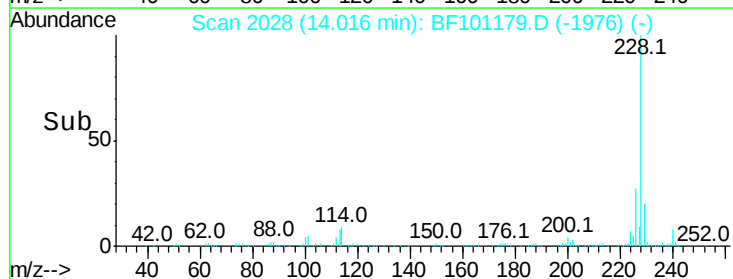
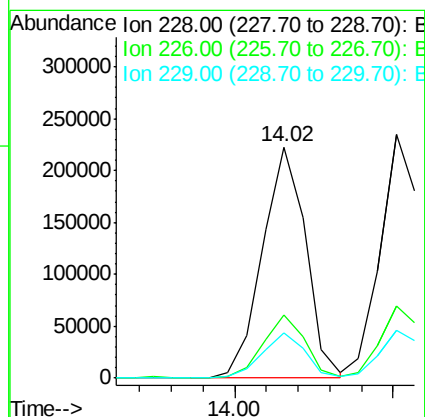
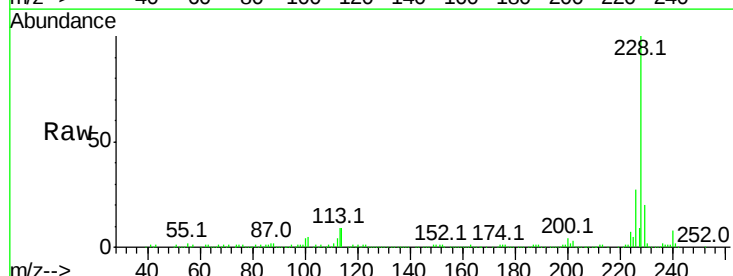
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

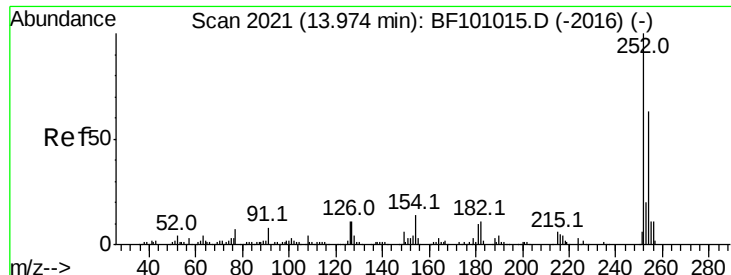
Tot Ion:149 Resp: 93656
Ion Ratio Lower Upper
149 100
91 63.3 56.8 85.2
206 18.7 14.1 21.1



#80
Benzo(a)anthracene
Concen: 33.975 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:228 Resp: 211605
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 19.8 15.8 23.6

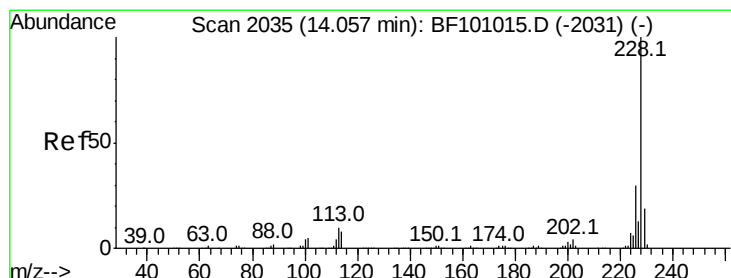
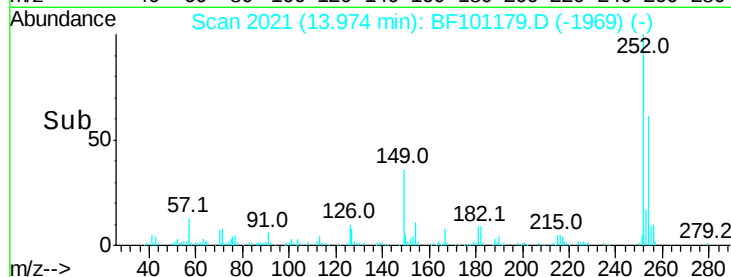
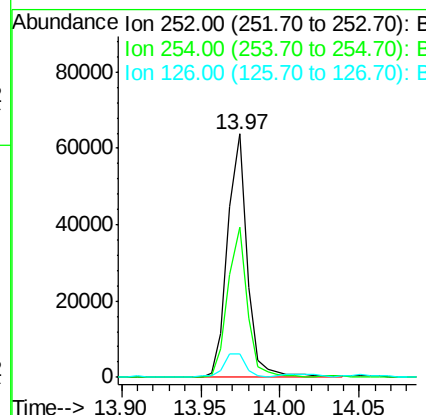
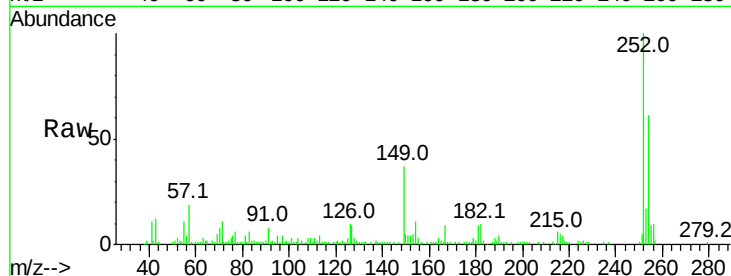




#81
 3,3'-Dichlorobenzidine
 Concen: 25.752 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

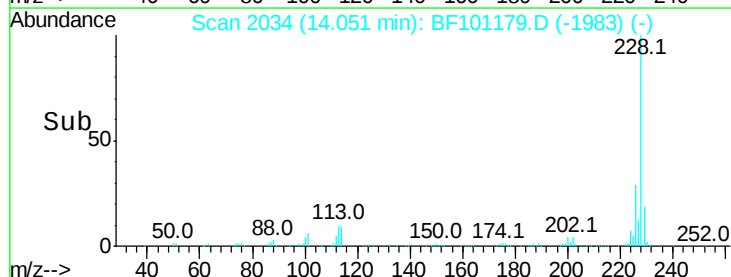
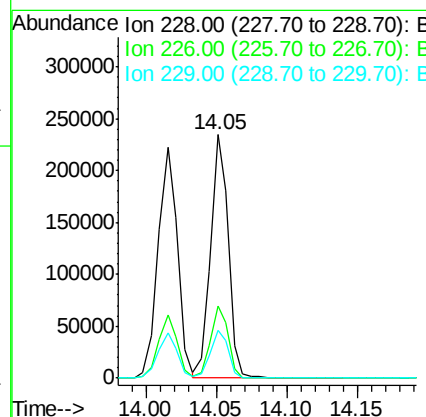
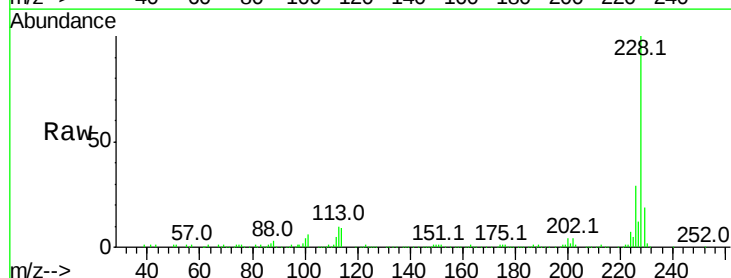
Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

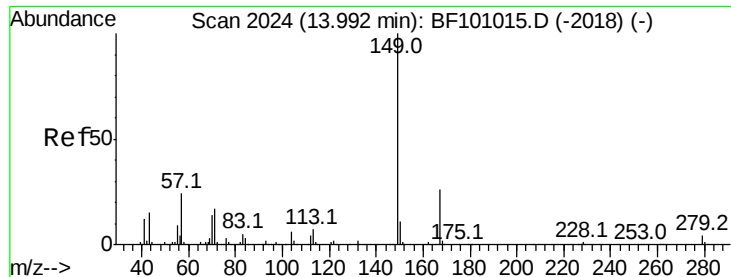
Tot Ion:252 Resp: 55548
 Ion Ratio Lower Upper
 252 100
 254 61.5 50.4 75.6
 126 9.5 11.3 16.9#



#82
 Chrysene
 Concen: 35.366 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion:228 Resp: 204570
 Ion Ratio Lower Upper
 228 100
 226 29.5 25.0 37.6
 229 19.5 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 30.845 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MSD

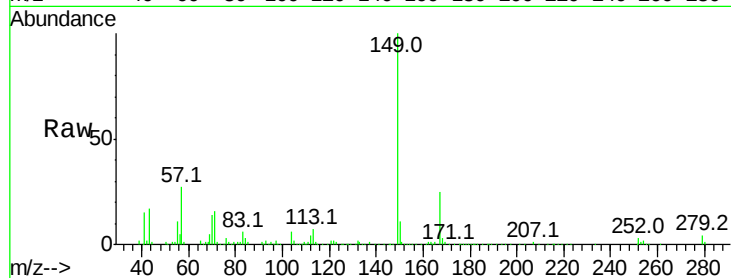
Tot Ion:149 Resp: 131987

Ion Ratio Lower Upper

149 100

167 25.4 21.3 31.9

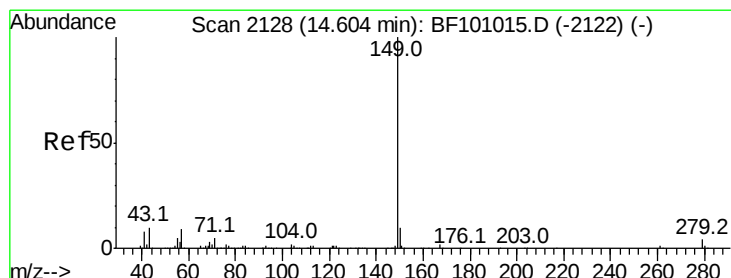
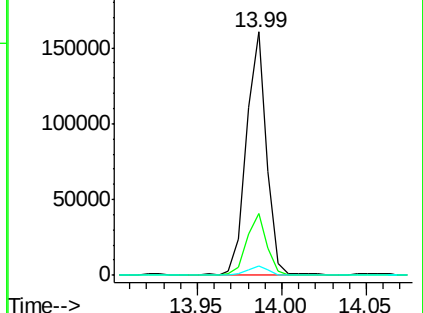
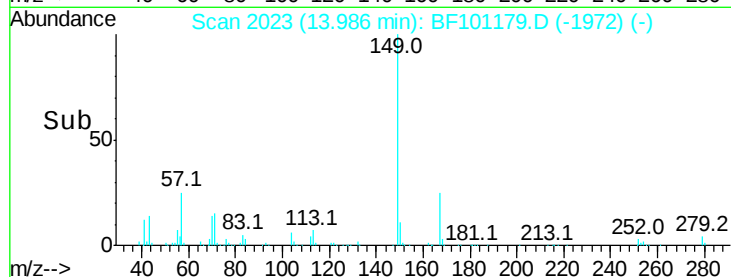
279 3.8 3.0 4.4



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: 31.942 ng

RT: 14.60 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BF101179.D

Acq: 6 Dec 2017 20:26

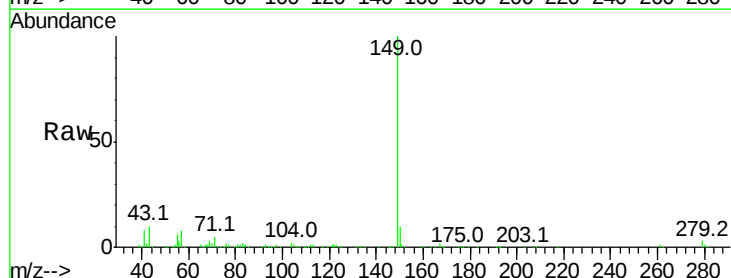
Tgt Ion:149 Resp: 227572

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

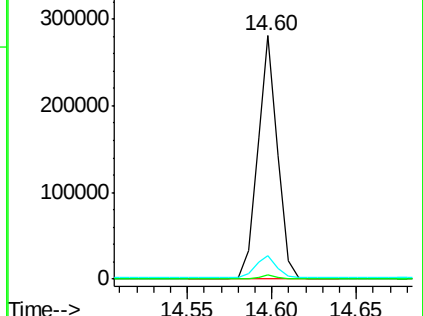
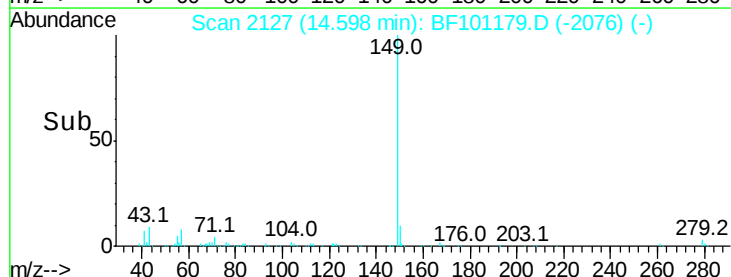
43 9.6 8.4 12.6

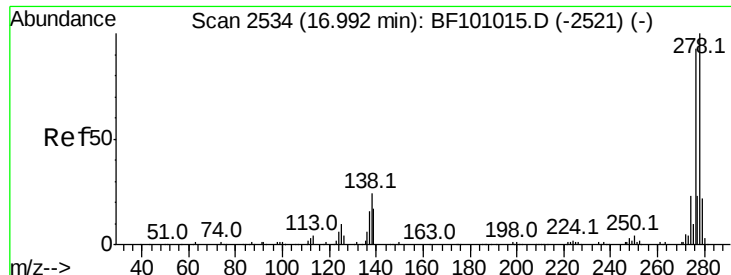


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

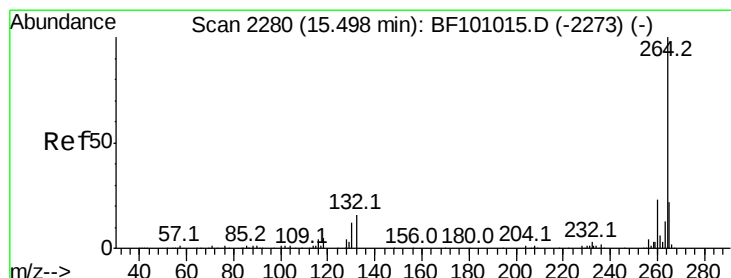
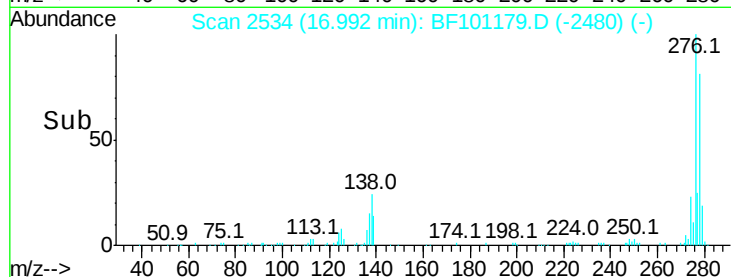
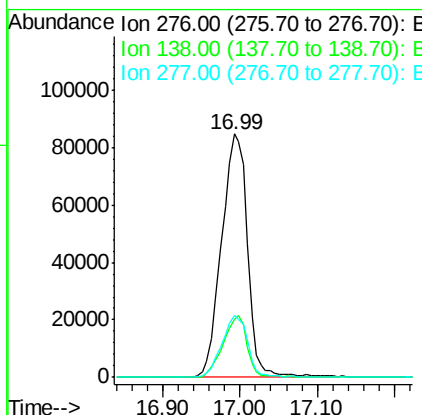
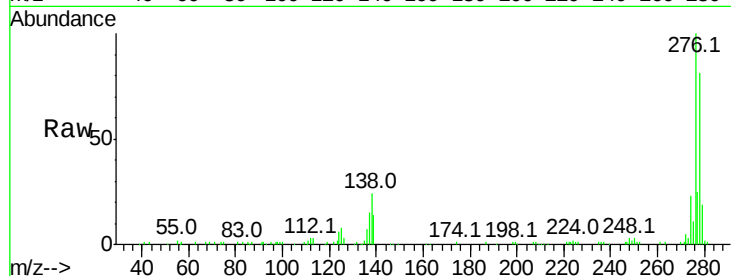




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.748 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.02 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

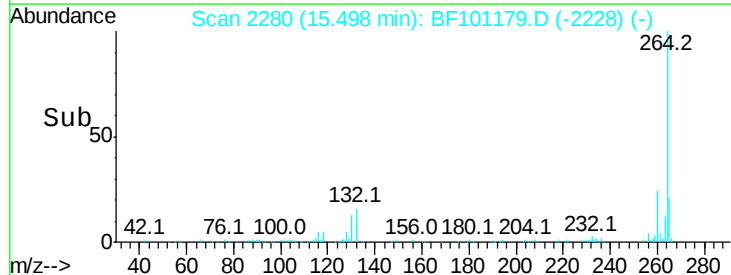
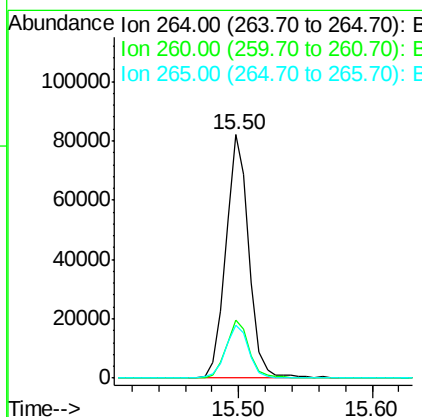
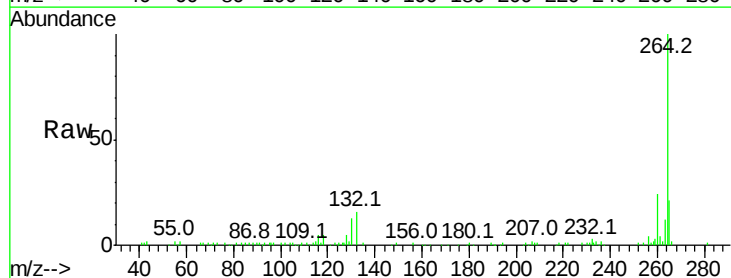
Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

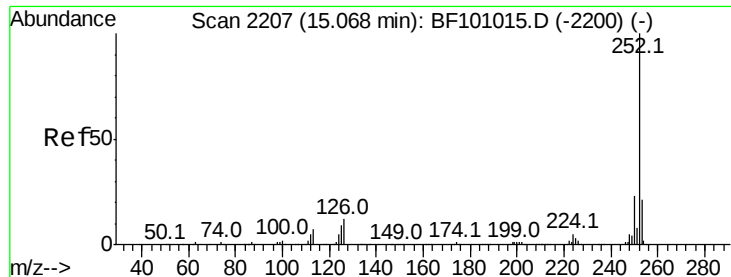
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	25.0	37.6#
277	25.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.5	26.3

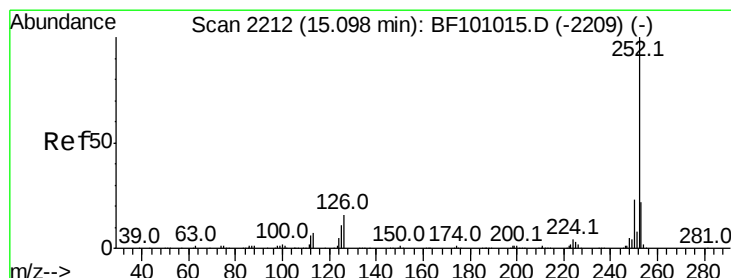
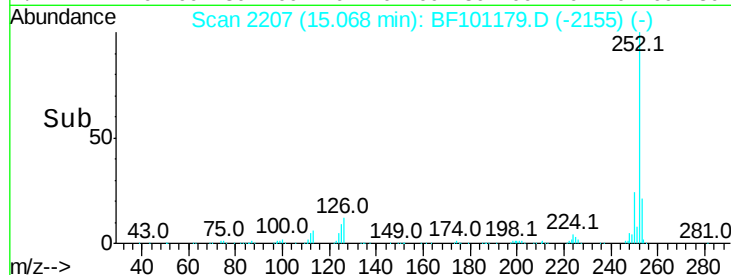
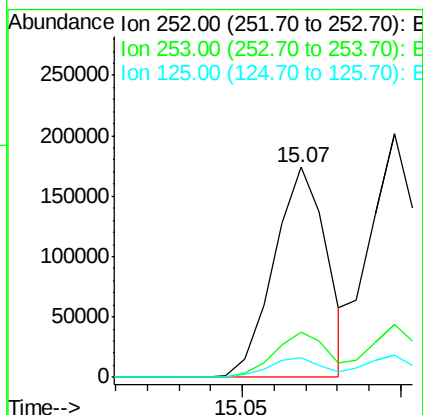
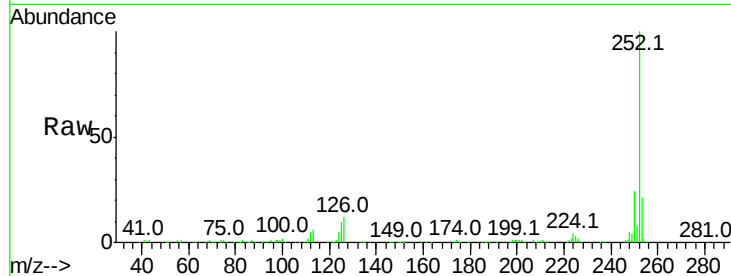




#87
Benzo(b)fluoranthene
Concen: 33.945 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

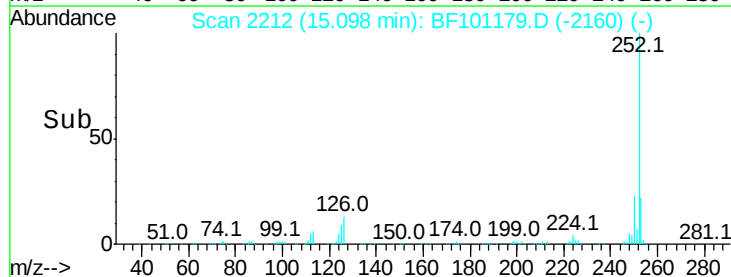
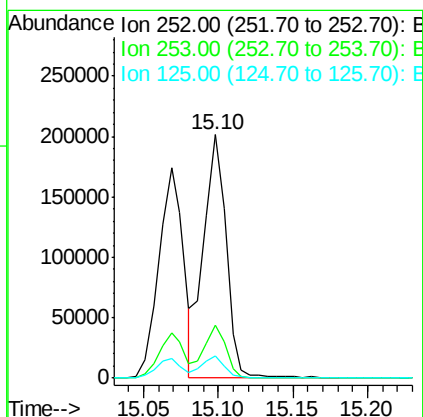
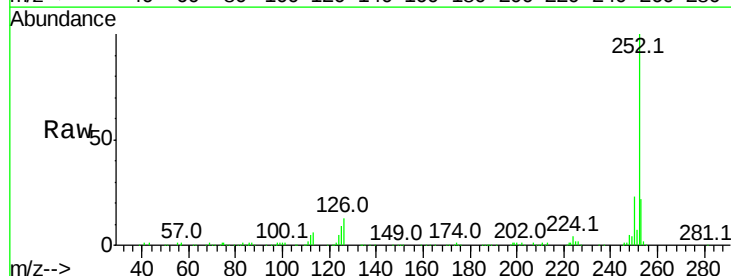
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

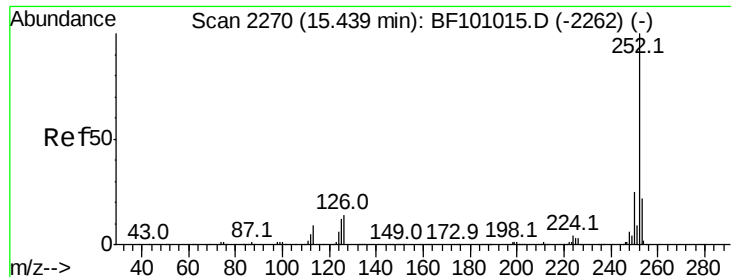
Tot Ion:252 Resp: 201958
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 9.6 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 35.667 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:252 Resp: 209070
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 9.1 10.2 15.2#

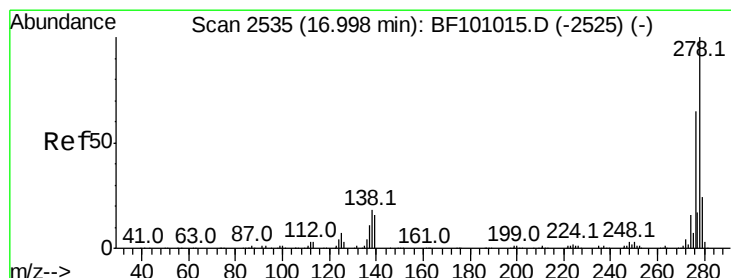
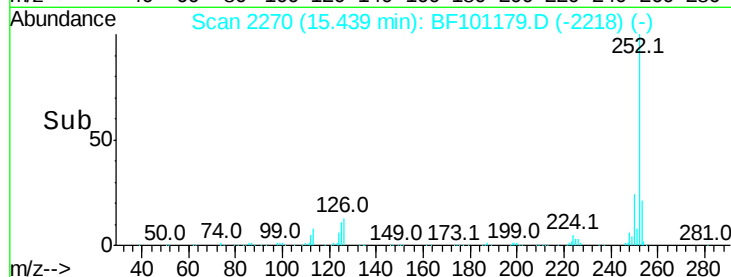
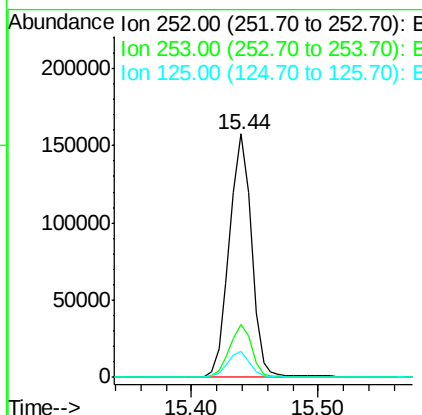
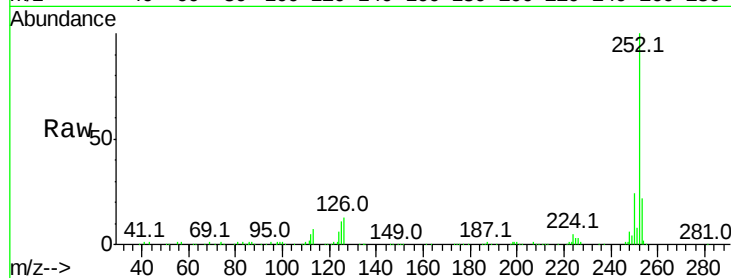




#89
Benzo(a)pyrene
Concen: 35.586 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

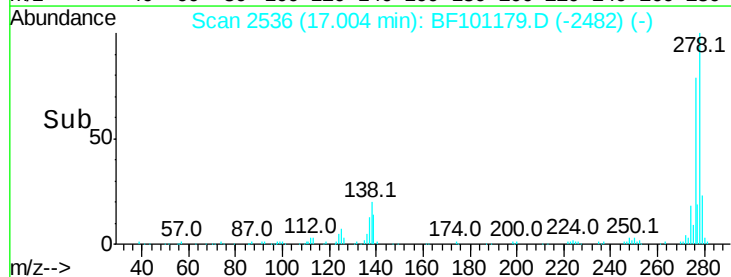
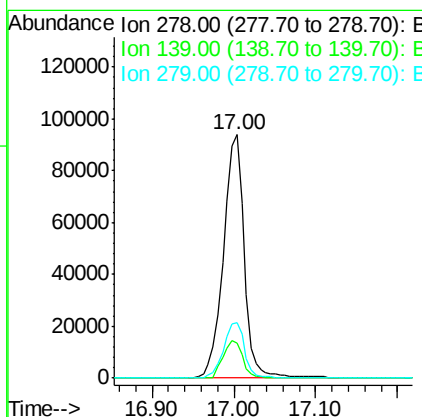
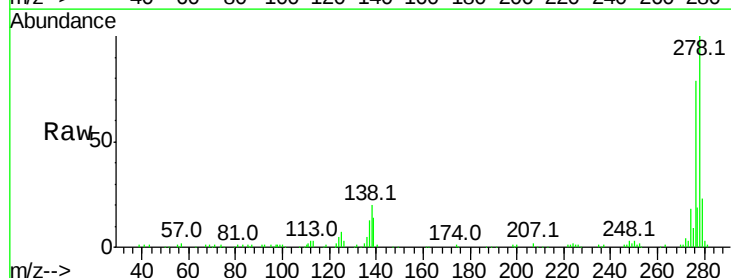
Instrument :
BNA_F
ClientSampleId :
88-20-90-20MSD

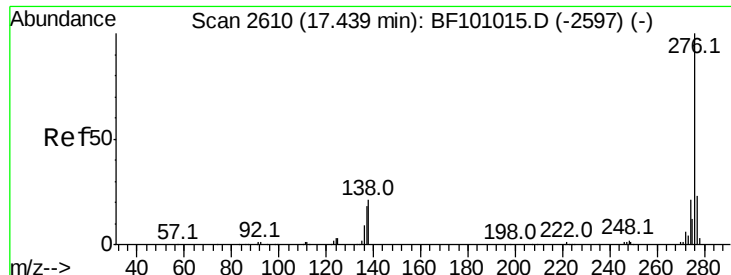
Tot Ion:252 Resp: 192484
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 10.9 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 35.058 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BF101179.D
Acq: 6 Dec 2017 20:26

Tgt Ion:278 Resp: 167176
Ion Ratio Lower Upper
278 100
139 14.5 15.9 23.9#
279 22.8 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 34.691 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.02 min
 Lab File: BF101179.D
 Acq: 6 Dec 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MSD

Tot Ion:	276	Resp:	155899
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	20.8	21.8	32.8

