

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022018\
 Data File : BF103120.D
 Acq On : 20 Feb 2018 12:47
 Operator : SJ/JU
 Sample : J1601-02DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 14:01:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

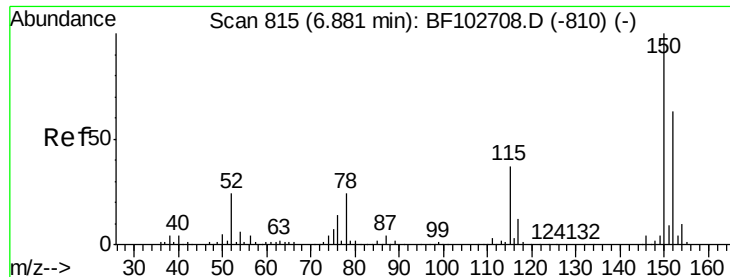
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	160995	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	670453	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	308745	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	533246	20.00	ng	0.00
75) Chrysene-d12	14.04	240	348652	20.00	ng	-0.01
86) Perylene-d12	15.54	264	307480	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	140557	13.26	ng	0.00
7) Phenol-d6	6.50	99	111717	8.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	227473	23.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	80711	32.48	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	431910	23.21	ng	-0.01
78) Terphenyl-d14	12.98	244	404898	27.50	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.52	94	157535	11.516	ng	99
15) Benzyl Alcohol	7.02	79	23420	2.386	ng	97
17) 2-Methylphenol	7.13	107	293536	29.158	ng	99
20) 3+4-Methylphenols	7.29	107	552418	44.498	ng	89
22) Acetophenone	7.26	105	69470	4.234	ng	# 66
26) 2-Nitrophenol	7.82	139	434	8.742	ng	# 1
27) 2,4-Dimethylphenol	7.82	122	172901	18.389	ng	# 92
31) Naphthalene	8.18	128	778080	23.753	ng	99
32) Benzoic acid	7.95	122	195919	34.158	ng	# 15
33) 4-Chloroaniline	8.18	127	107668	7.630	ng	# 36
37) 2-Methylnaphthalene	8.87	142	537760	25.075	ng	98
47) 2-Nitroaniline	9.43	65	951	3.612	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	40725	8.892	ng	# 28
55) 4-Nitrophenol	10.01	139	1579	4.348	ng	# 27
56) 2,4-Dinitrotoluene	9.95	165	1551	3.312	ng	# 62
64) 4,6-Dinitro-2-methylphenol	10.70	198	126	8.844	ng	# 1

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

```
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Operator  : SJ/JU  
Sample    : J1601-02DL 5X  
Misc      :  
ALS Vial  : 10      Sample Multiplier: 1
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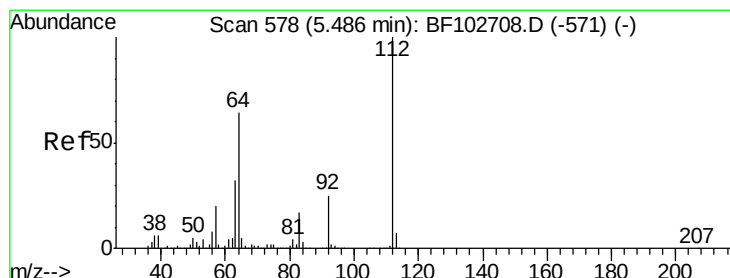
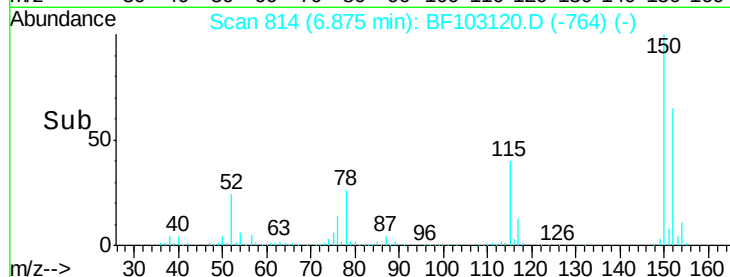
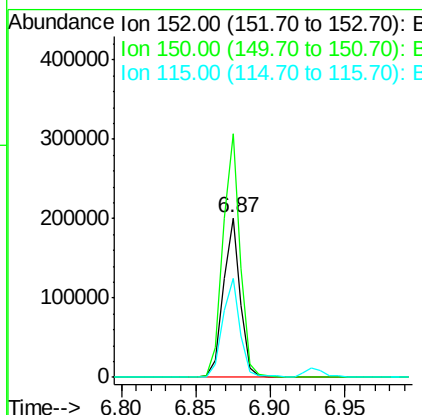
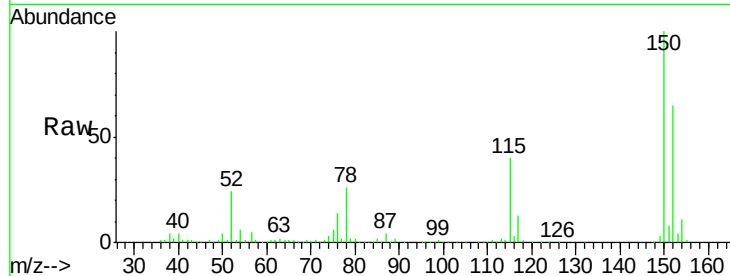


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :

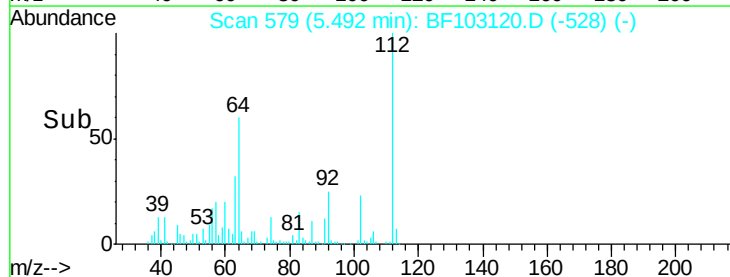
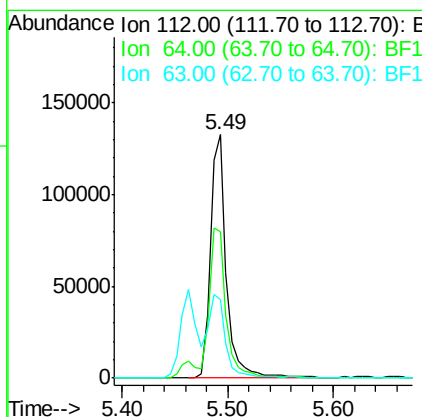
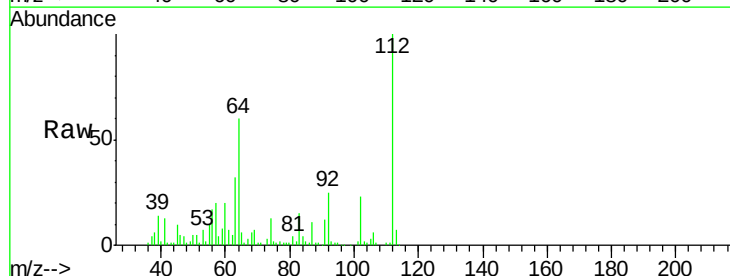
Tot Ion:152 Resp: 160995
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 61.8 50.1 75.1

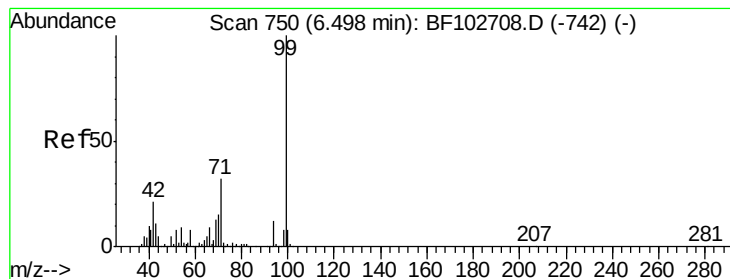


#5

2-Fluorophenol
Concen: 13.259 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Tgt Ion:112 Resp: 140557
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 32.1 23.7 35.5





#7

Phenol-d6

Concen: 8.752 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

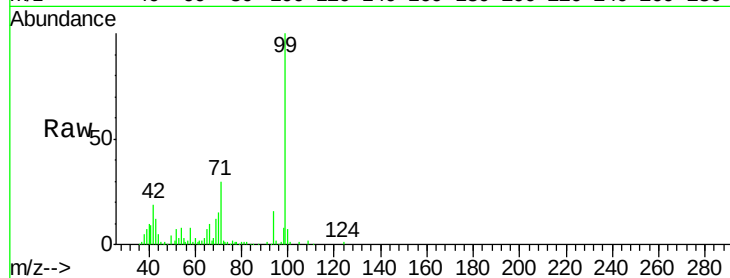
Tot Ion: 99 Resp: 111717

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.5	21.7
71	29.5	25.4	38.0

99 100

42 18.9 14.5 21.7

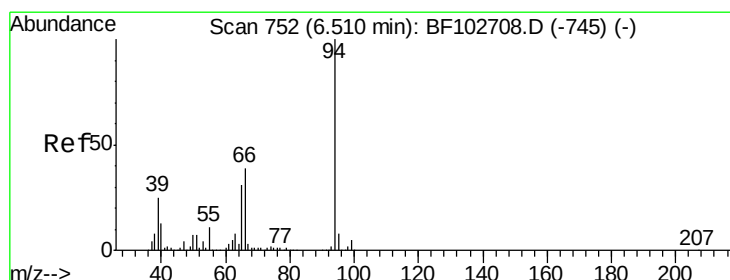
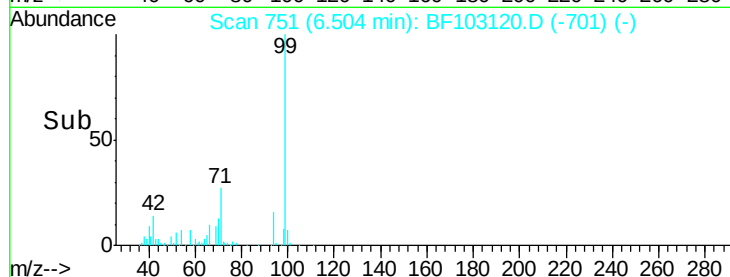
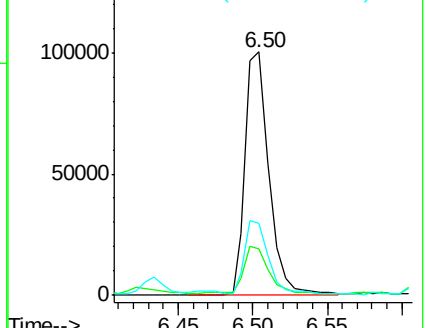
71 29.5 25.4 38.0



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



#10

Phenol

Concen: 11.516 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

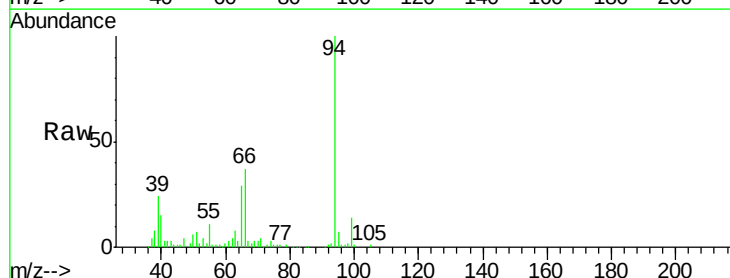
Tgt Ion: 94 Resp: 157535

Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.9	47.9
66	36.5	16.2	56.2

94 100

65 29.1 7.9 47.9

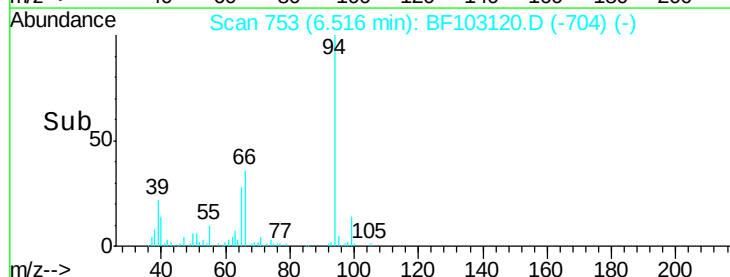
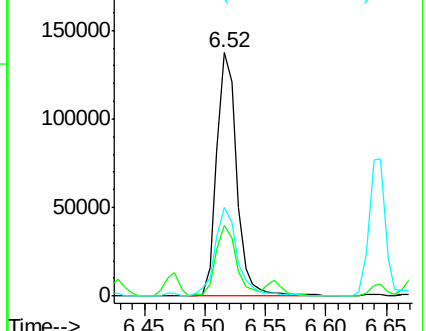
66 36.5 16.2 56.2

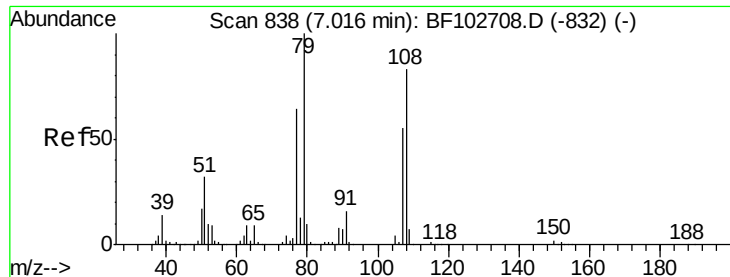


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.386 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

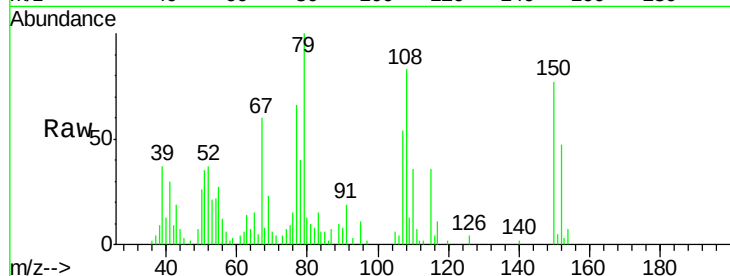
Tot Ion: 79 Resp: 23420

Ion Ratio Lower Upper

79 100

108 82.9 65.1 97.7

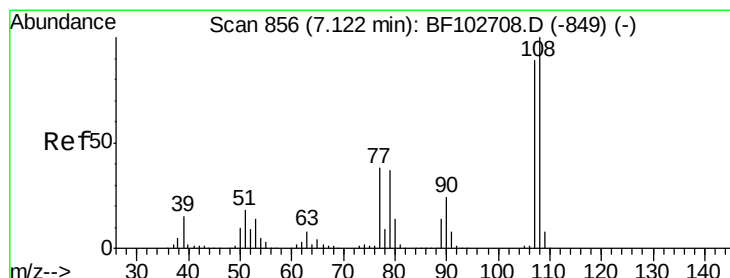
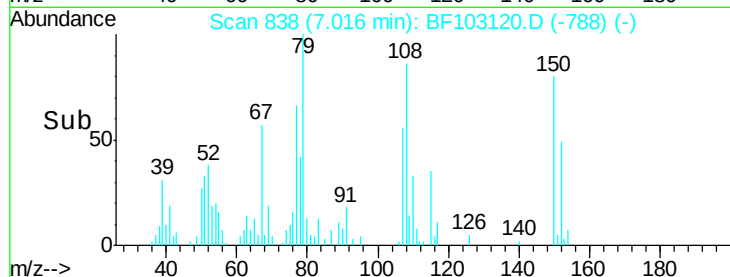
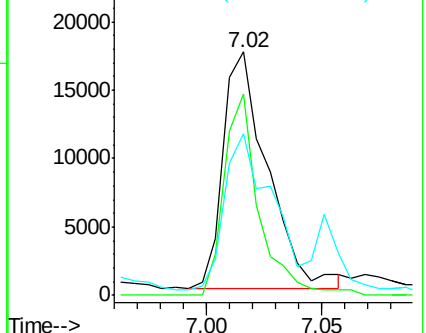
77 66.2 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 29.158 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Tgt Ion: 107 Resp: 293536

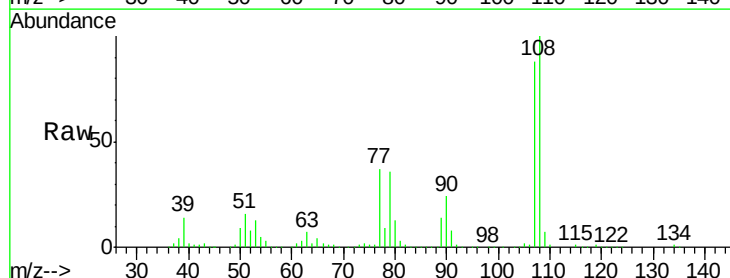
Ion Ratio Lower Upper

107 100

108 114.1 91.7 137.5

77 41.7 33.8 50.8

79 41.0 33.8 50.8

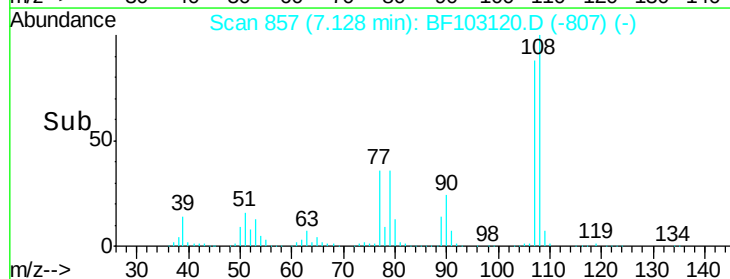
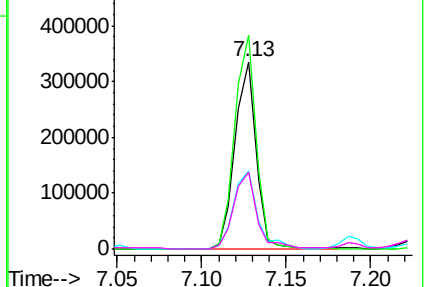


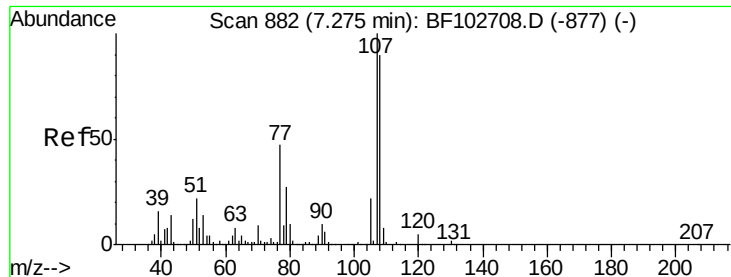
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 44.498 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 552418

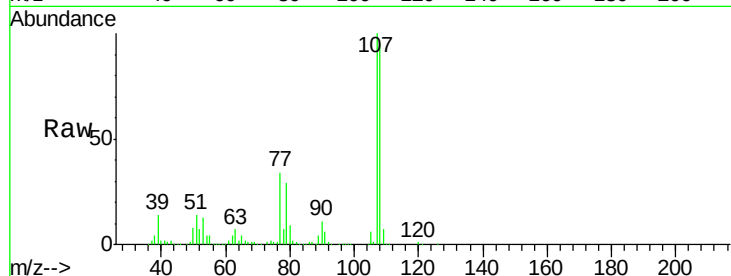
Ion Ratio Lower Upper

107 100

108 95.4 68.2 108.2

77 33.7 26.7 66.7

79 29.0 6.3 46.3

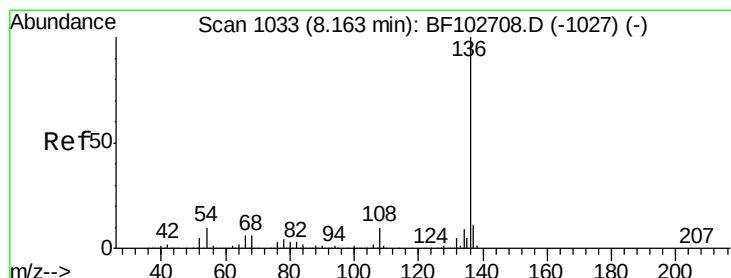
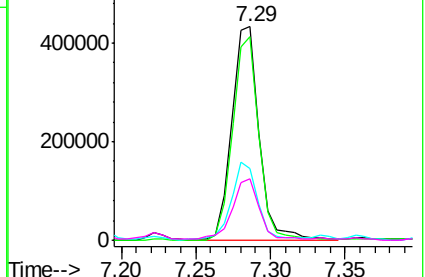
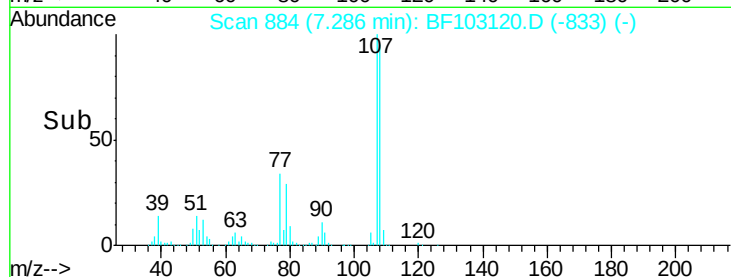


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Tgt Ion:136 Resp: 670453

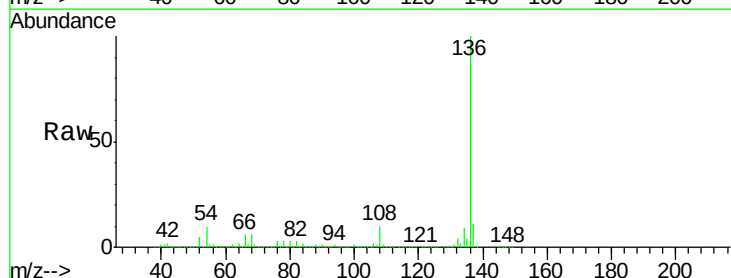
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.6 6.6 9.8

68 6.3 5.0 7.4

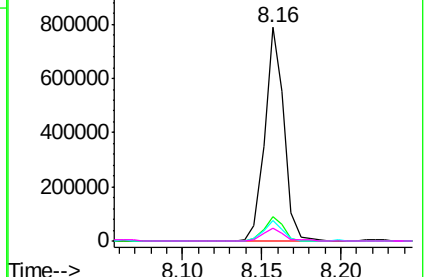
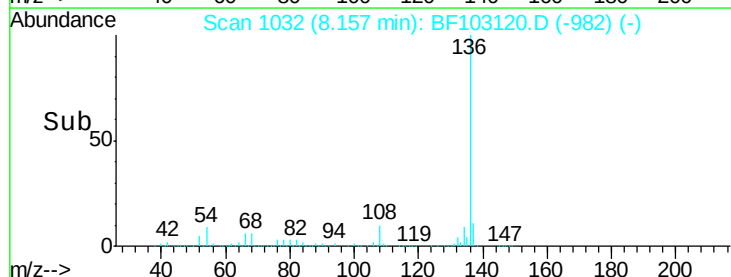


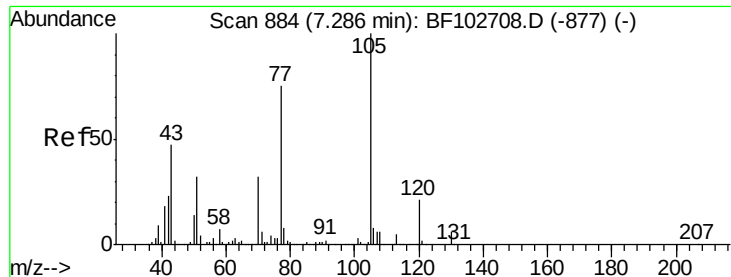
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 4.234 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.03 min

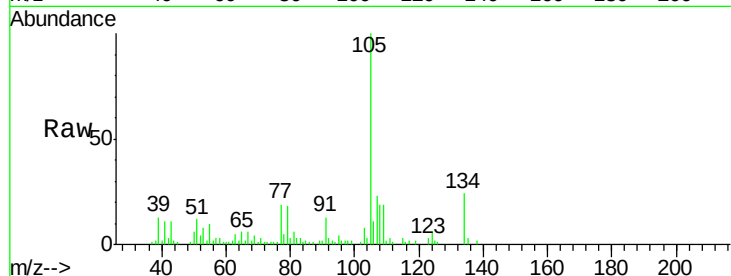
Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 69470

Ion Ratio Lower Upper

105 100

71 2.7 4.4 6.6#

51 11.8 22.3 33.5#

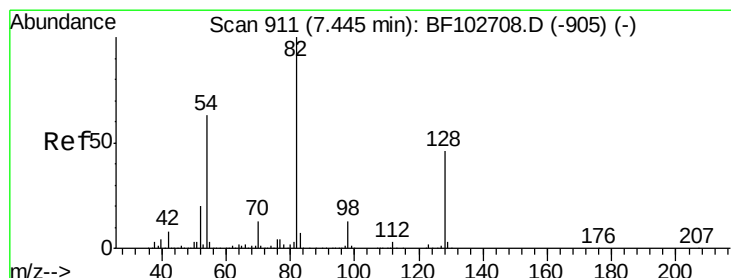
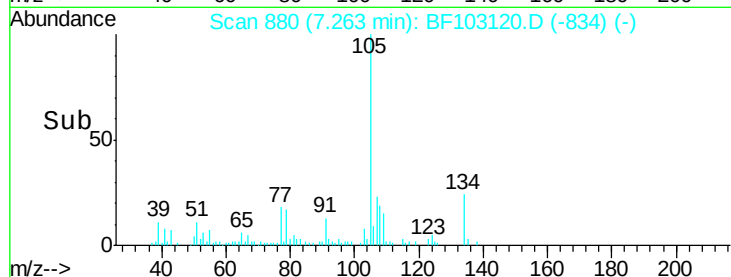
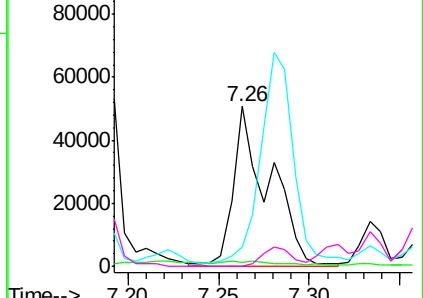
120 0.0 16.9 25.3#

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 23.536 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Tgt Ion: 82 Resp: 227473

Ion Ratio Lower Upper

82 100

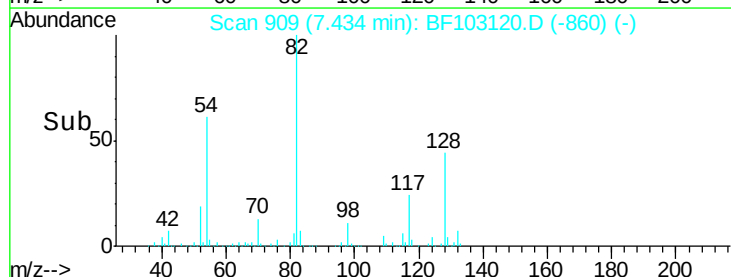
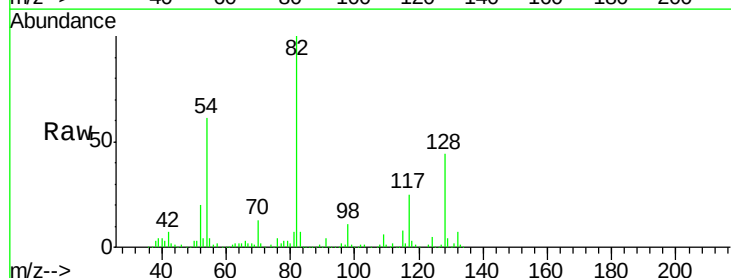
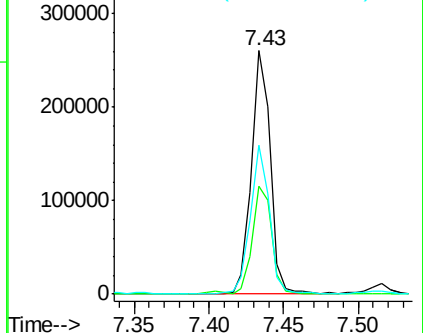
128 44.3 36.1 54.1

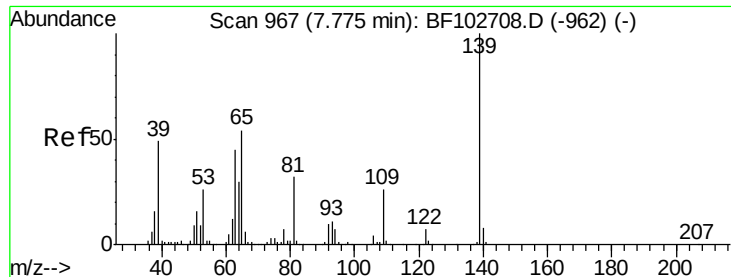
54 60.9 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#26

2-Nitrophenol

Concen: 8.742 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.04 min

Lab File: BF103120.D

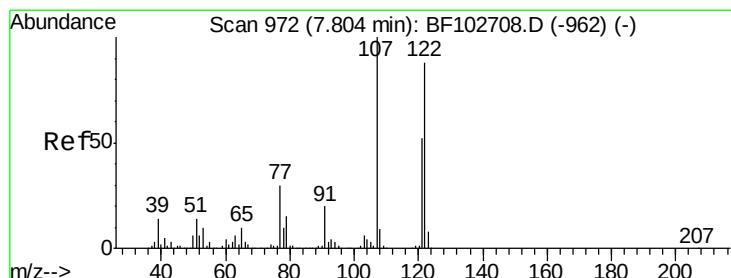
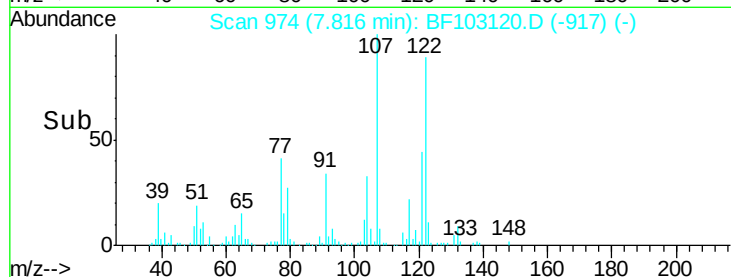
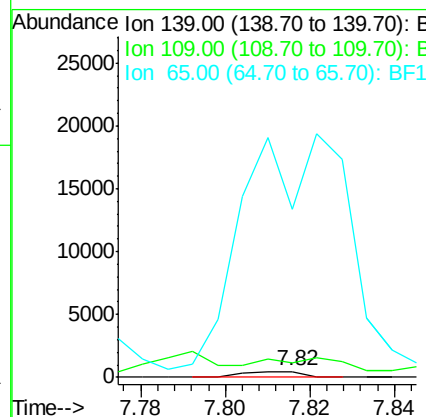
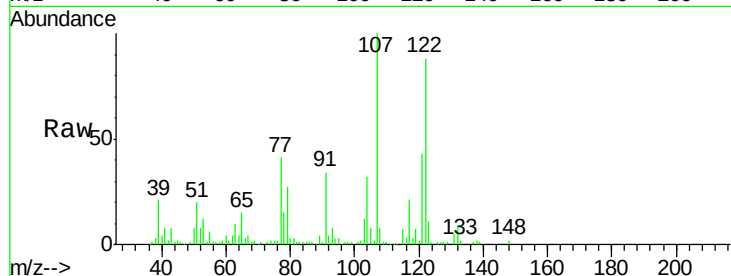
Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:139 Resp: 434
 Ion Ratio Lower Upper
 139 100
 109 235.1 22.7 34.1#
 65 2787.9 40.5 60.7#



#27

2,4-Dimethylphenol

Concen: 18.389 ng

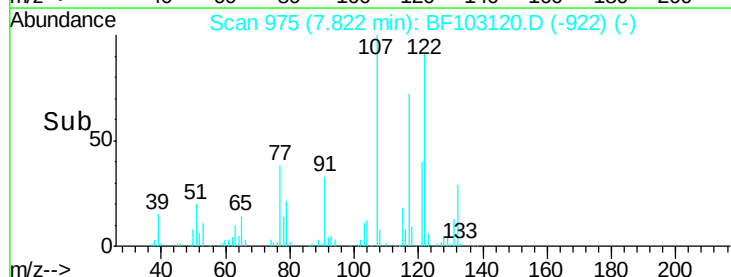
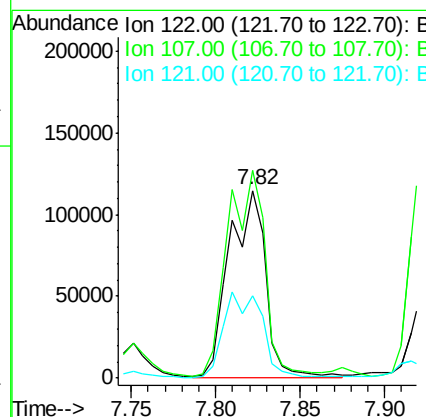
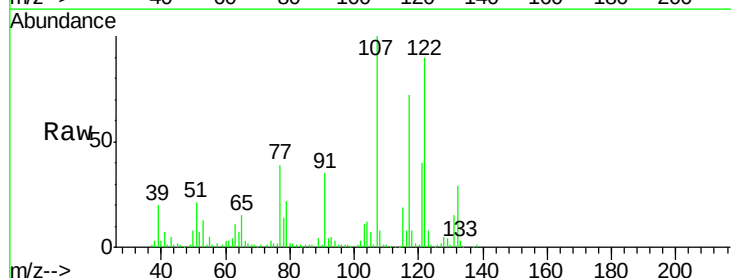
RT: 7.82 min Scan# 975

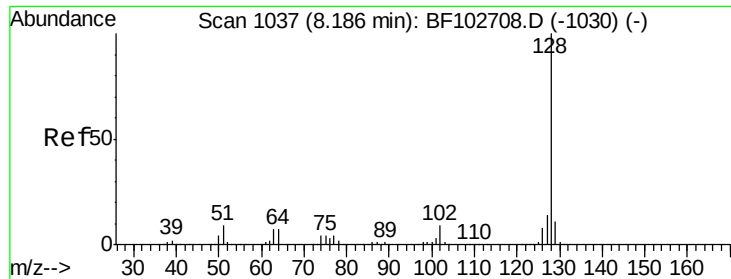
Delta R.T. 0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Tgt Ion:122 Resp: 172901
 Ion Ratio Lower Upper
 122 100
 107 111.1 91.2 136.8
 121 44.3 47.2 70.8#

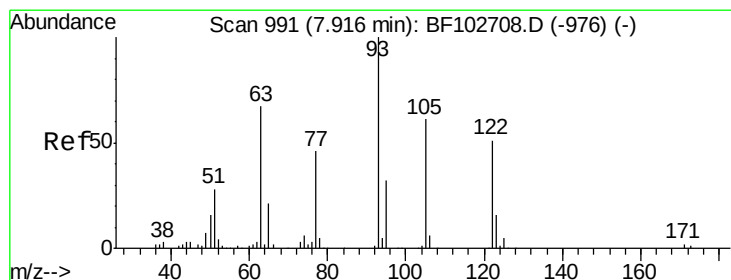
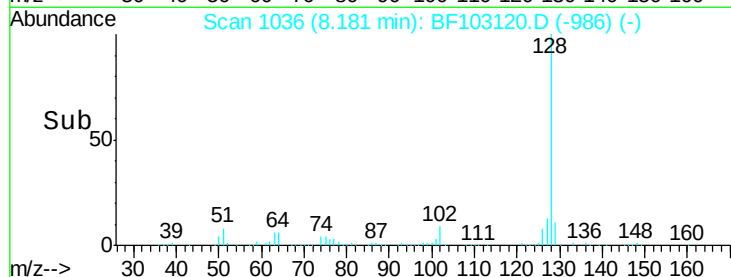
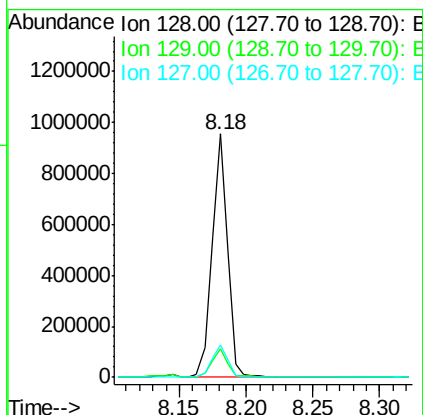
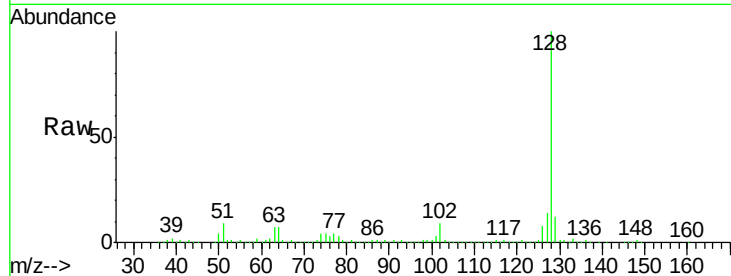




#31
Naphthalene
Concen: 23.753 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

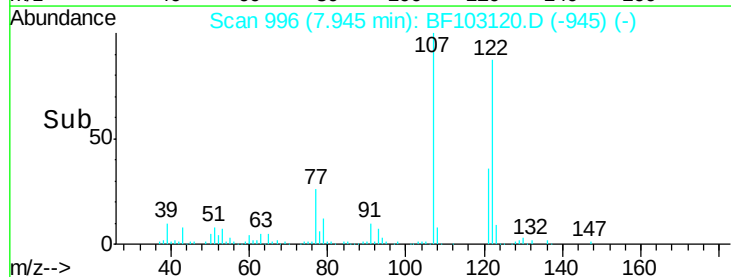
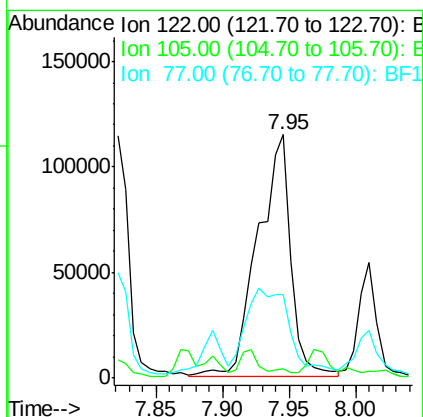
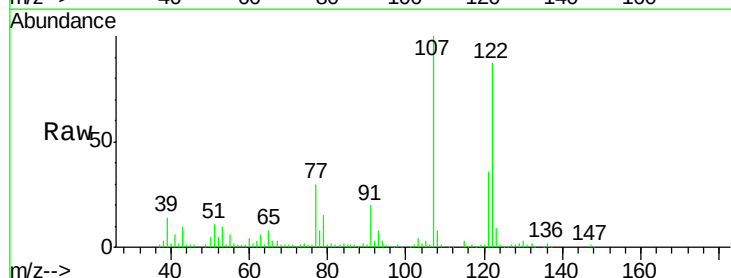
Instrument :
BNA_F
ClientSampleId :

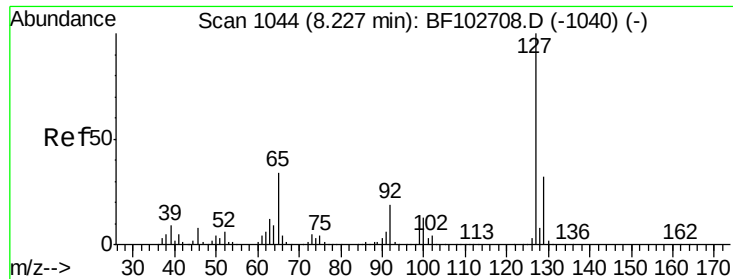
Tot Ion:128 Resp: 778080
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.5 10.9 16.3



#32
Benzoic acid
Concen: 34.158 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Tgt Ion:122 Resp: 195919
Ion Ratio Lower Upper
122 100
105 3.8 101.1 141.1#
77 34.6 70.7 110.7#

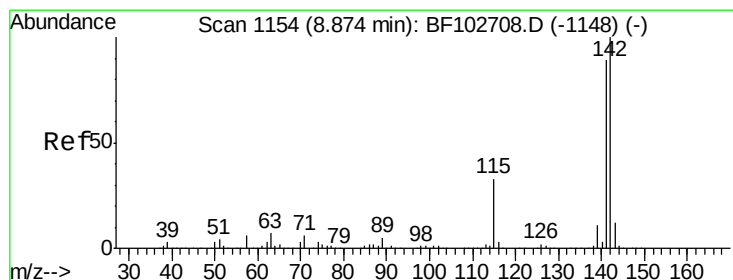
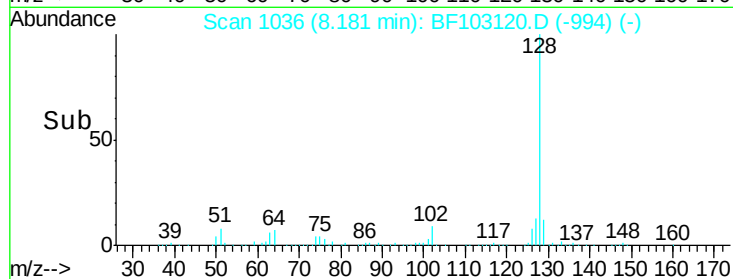
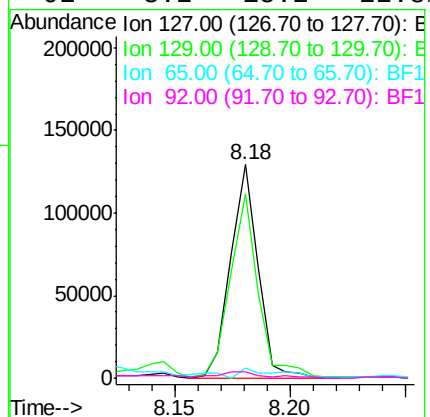
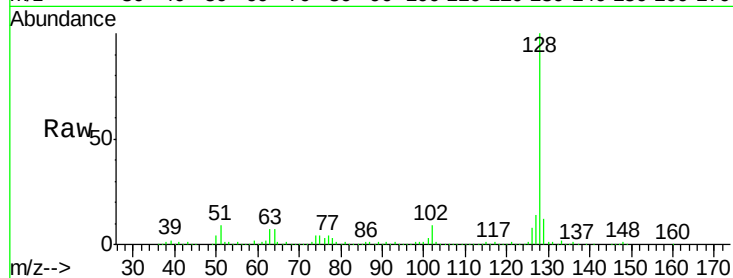




#33
4-Chloroaniline
Concen: 7.630 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

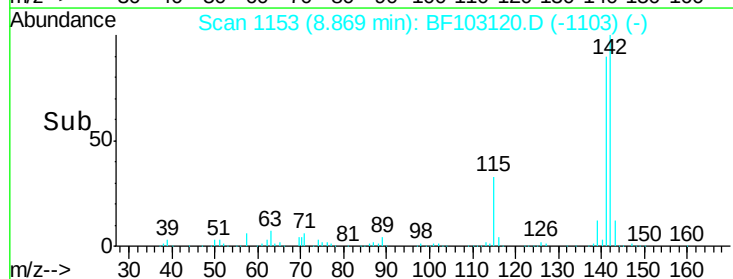
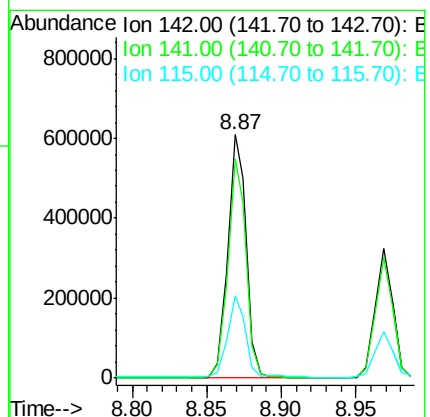
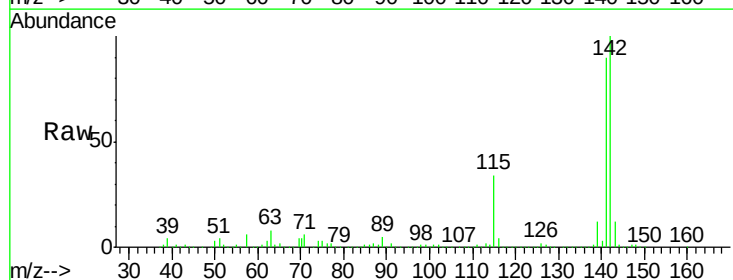
Instrument :
BNA_F
ClientSampleId :

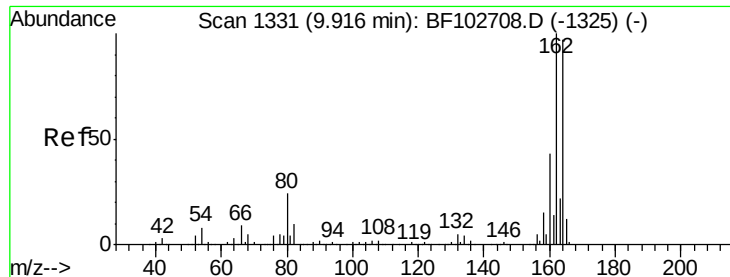
Tot Ion:	127	Resp:	107668
Ion	Ratio	Lower	Upper
127	100		
129	86.2	25.9	38.9#
65	4.6	25.0	37.4#
92	3.2	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 25.075 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Tgt Ion:	142	Resp:	537760
Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.6	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

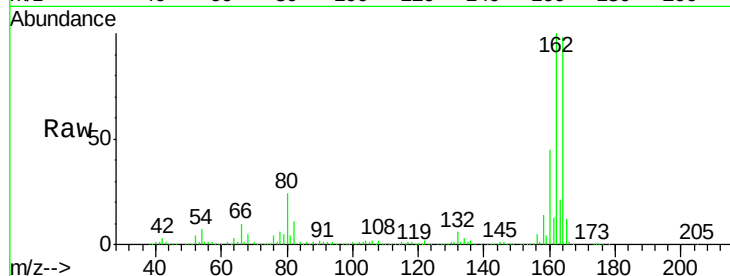
Tot Ion:164 Resp: 308745

Ion Ratio Lower Upper

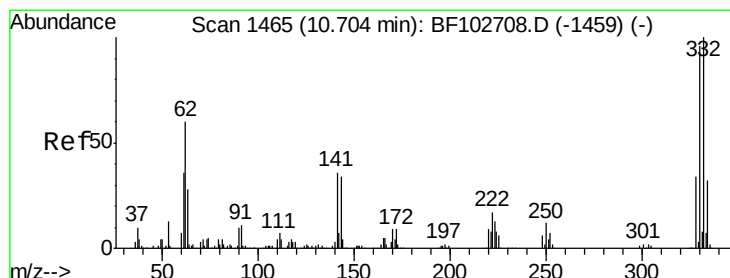
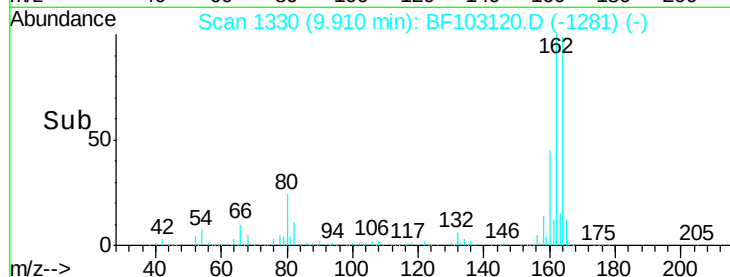
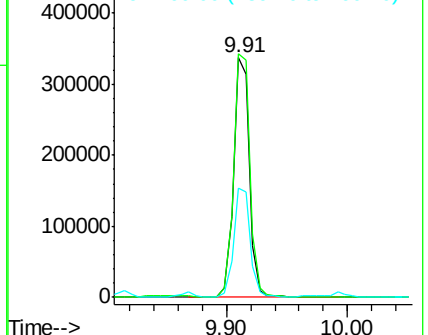
164 100

162 101.7 86.1 129.1

160 45.6 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



#41

2,4,6-Tribromophenol

Concen: 32.479 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

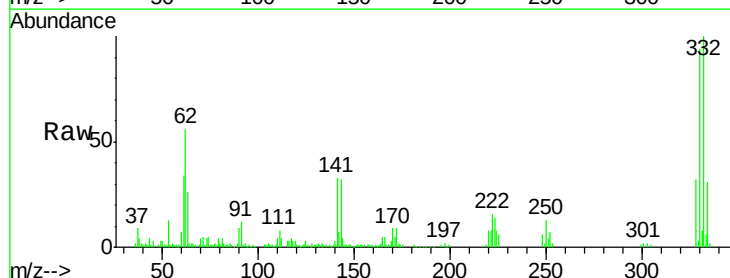
Tgt Ion:330 Resp: 80711

Ion Ratio Lower Upper

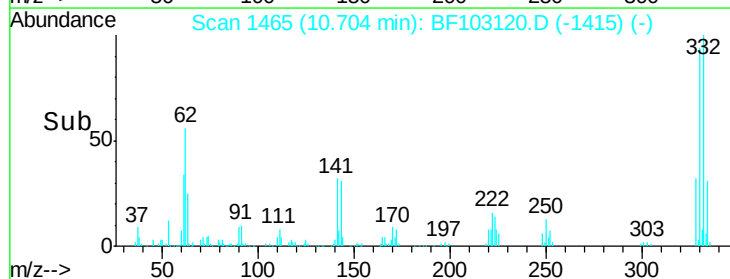
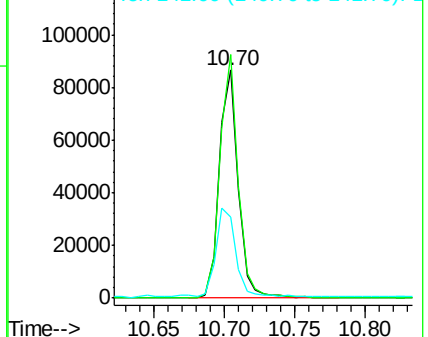
330 100

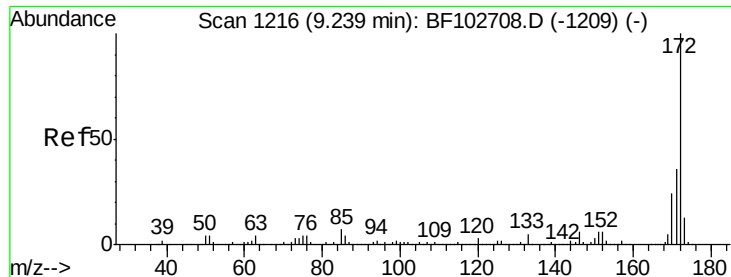
332 103.4 77.0 115.6

141 41.9 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

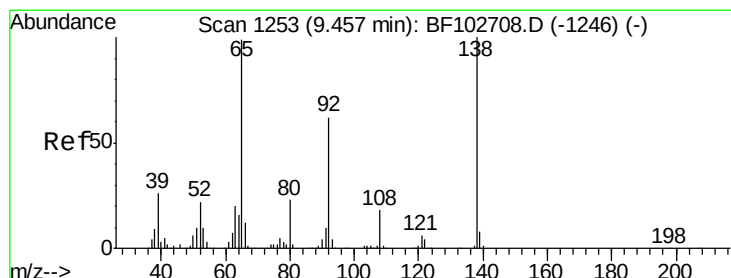
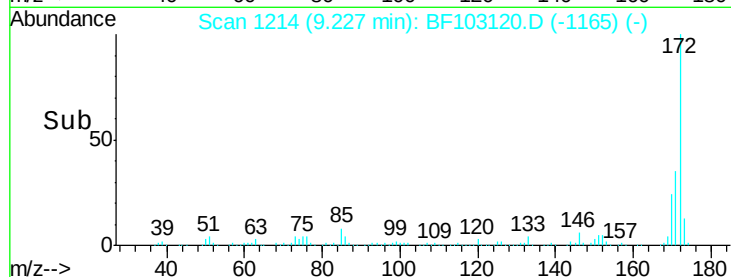
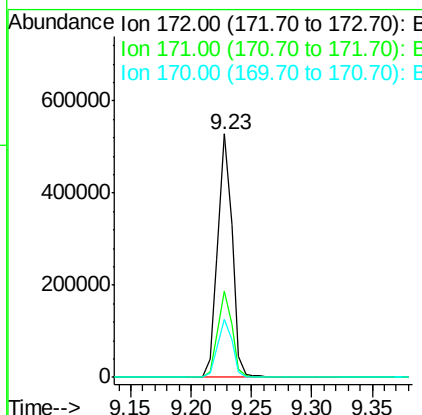
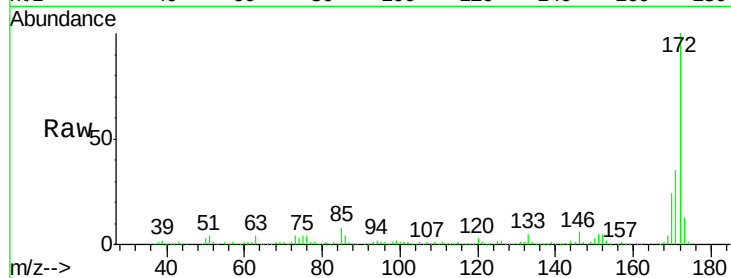




#44
2-Fluorobiphenyl
Concen: 23.213 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

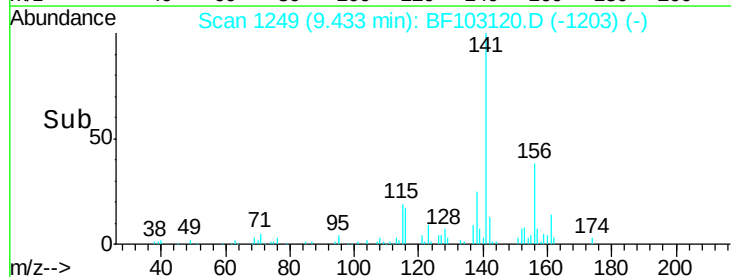
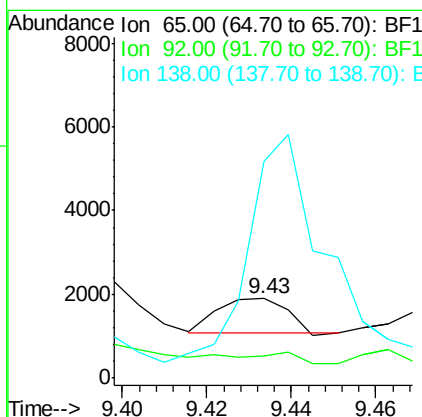
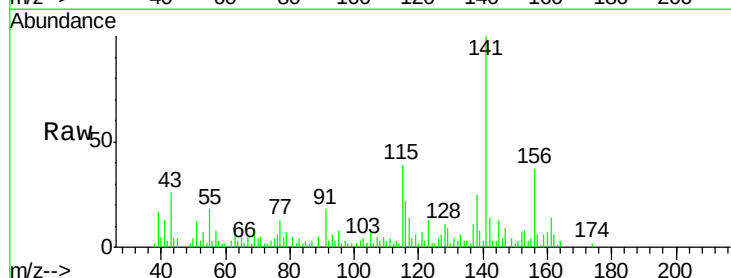
Instrument :
BNA_F
ClientSampleId :

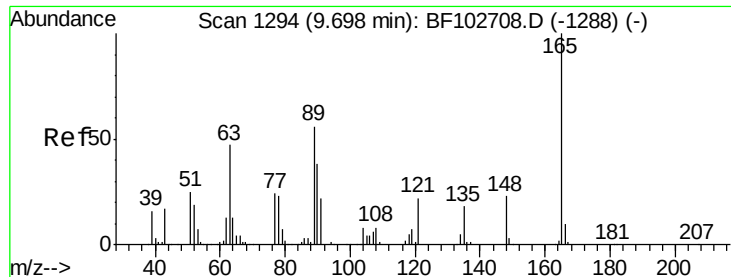
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4



#47
2-Nitroaniline
Concen: 3.612 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.03 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
65	100		
92	28.1	55.8	83.6#
138	272.1	91.2	136.8#

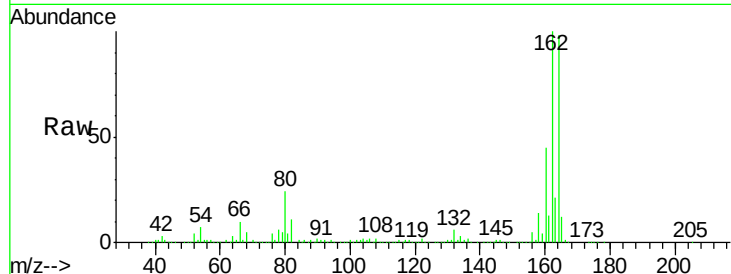




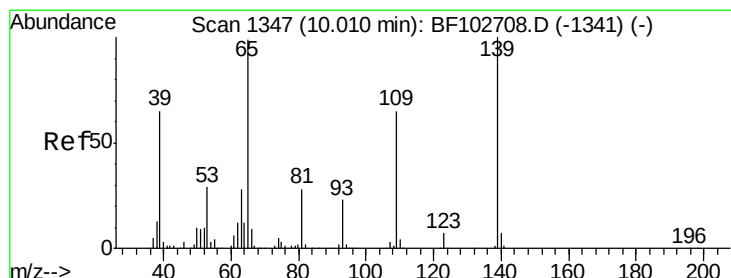
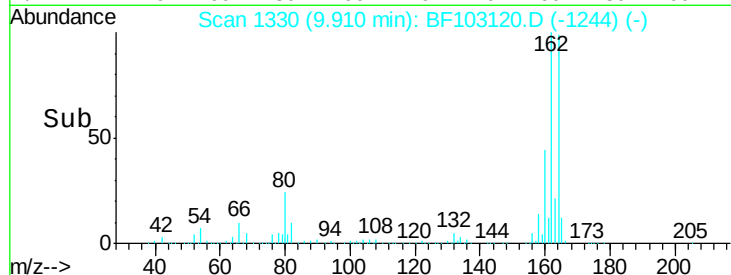
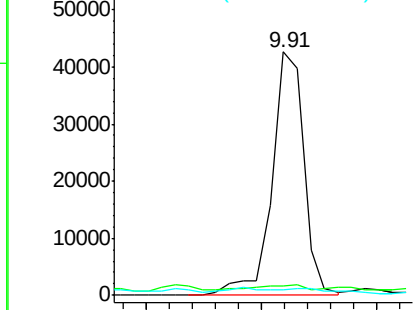
#50
 2,6-Dinitrotoluene
 Concen: 8.892 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103120.D
 Acq: 20 Feb 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.9	44.7	67.1#
89	2.5	44.0	66.0#

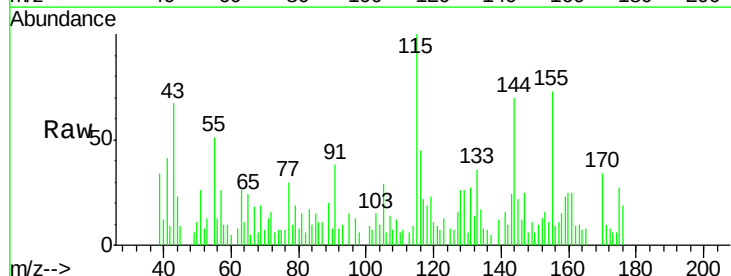


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

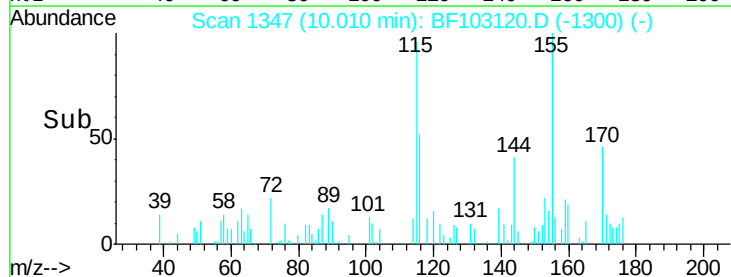
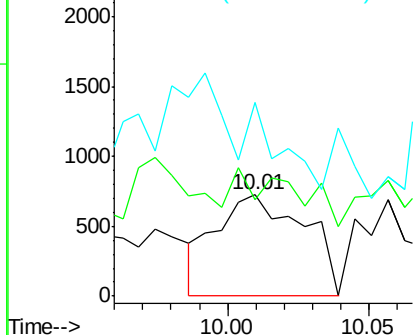


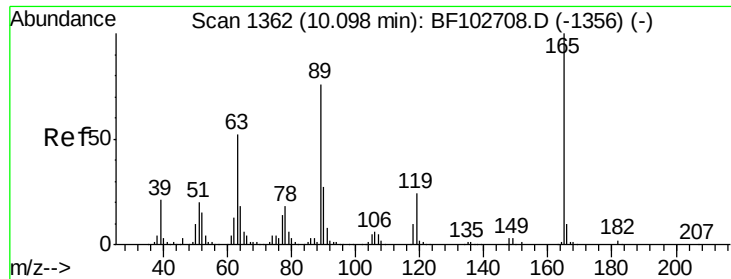
#55
 4-Nitrophenol
 Concen: 4.348 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF103120.D
 Acq: 20 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	94.8	48.4	88.4#
65	191.2	72.6	112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

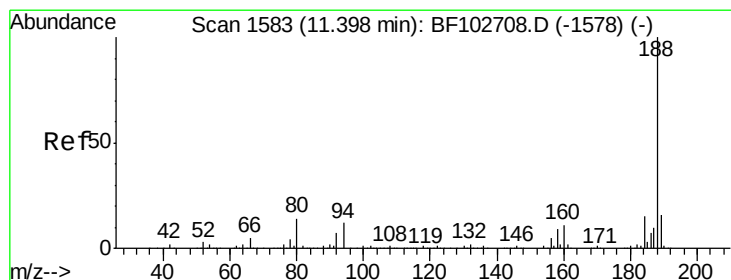
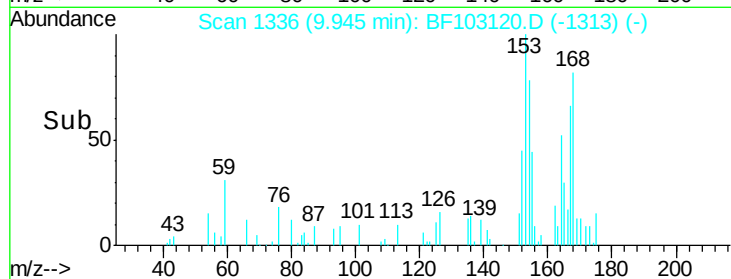
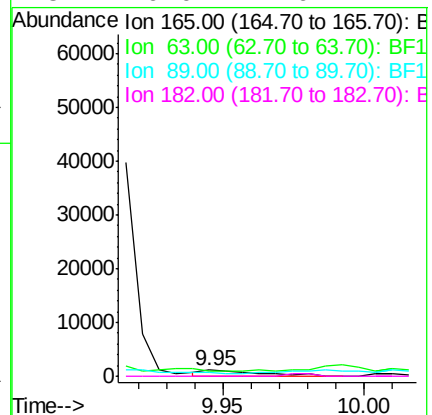
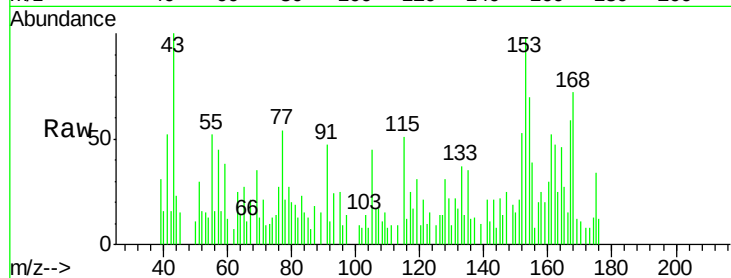




#56
 2,4-Dinitrotoluene
 Concen: 3.312 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.16 min
 Lab File: BF103120.D
 Acq: 20 Feb 2018 12:47

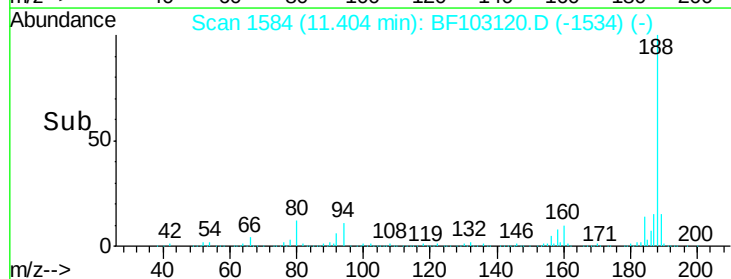
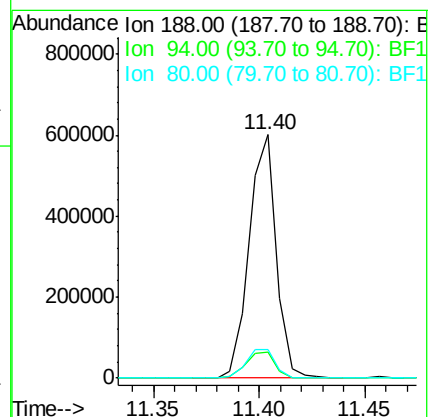
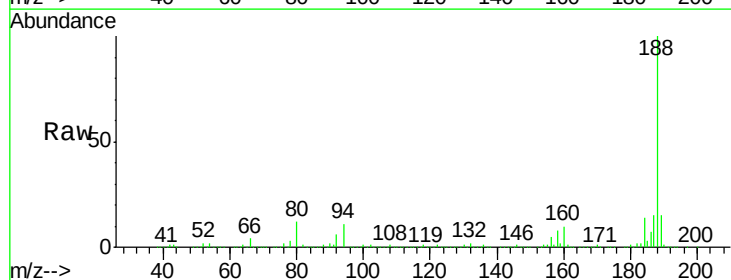
Instrument :
 BNA_F
 ClientSampleId :

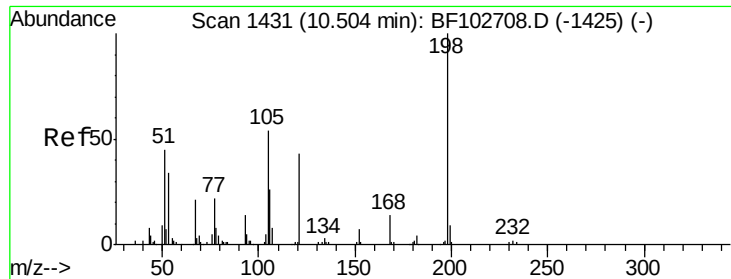
Tot Ion:165 Resp: 1551
 Ion Ratio Lower Upper
 165 100
 63 92.3 36.4 54.6#
 89 57.1 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103120.D
 Acq: 20 Feb 2018 12:47

Tgt Ion:188 Resp: 533246
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.5 9.2 13.8

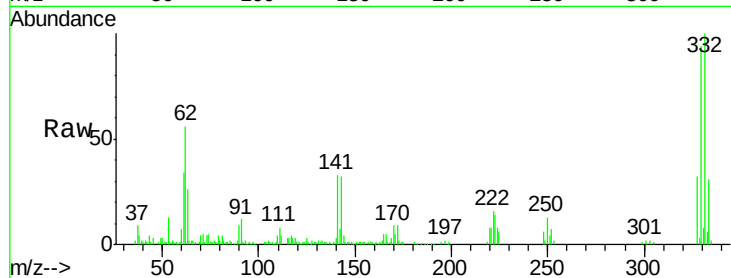




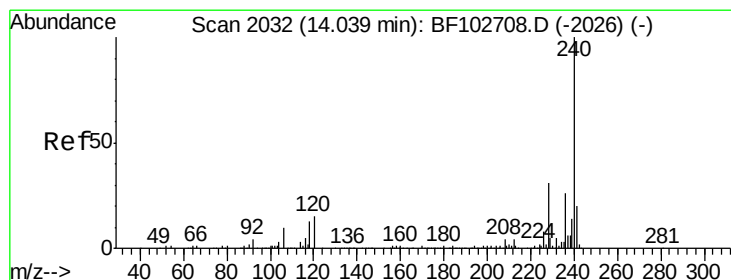
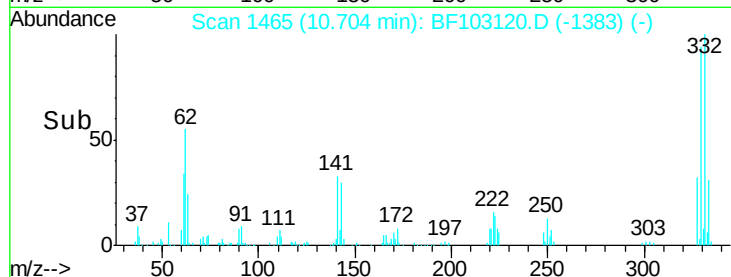
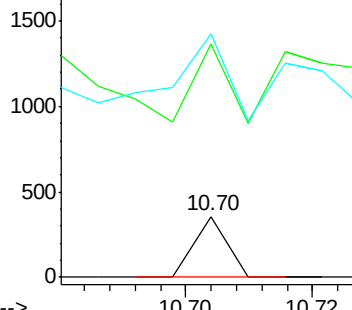
#64
4,6-Dinitro-2-methylphenol
Concen: 8.844 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 381.8 37.7 77.7#
105 398.0 36.3 76.3#

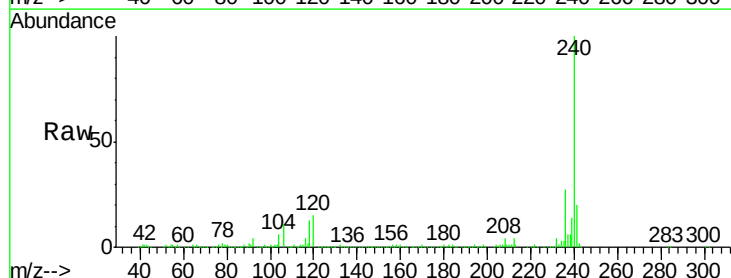


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

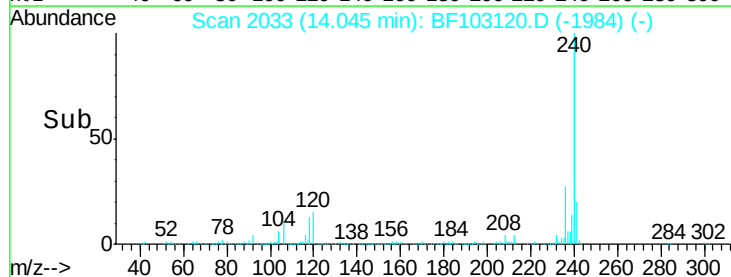
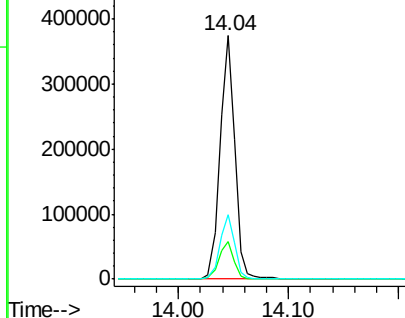


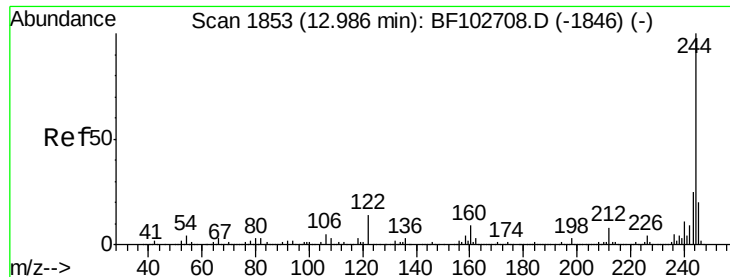
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103120.D
Acq: 20 Feb 2018 12:47

Tgt Ion:240 Resp: 348652
Ion Ratio Lower Upper
240 100
120 15.3 9.5 14.3#
236 26.5 20.7 31.1



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





#78

Terphenyl-d14

Concen: 27.498 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

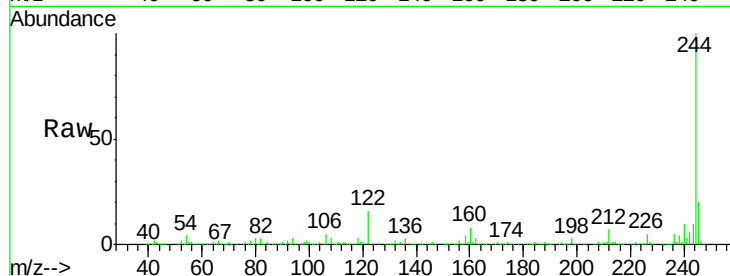
Tot Ion:244 Resp: 404898

Ion Ratio Lower Upper

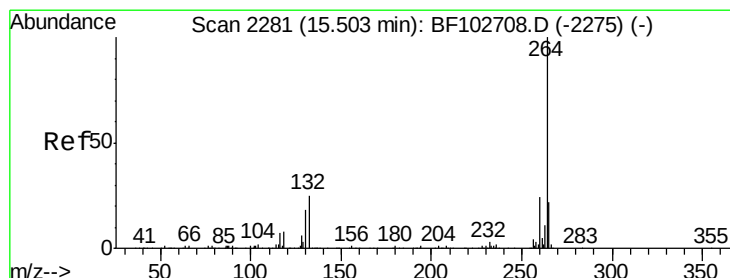
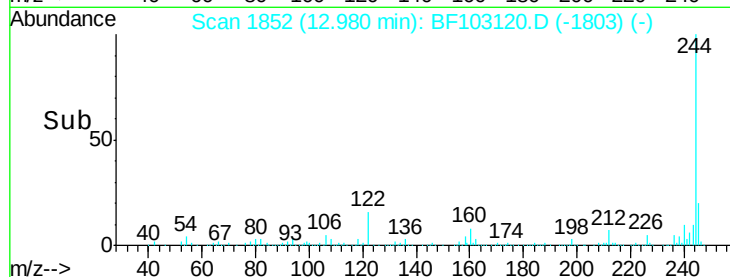
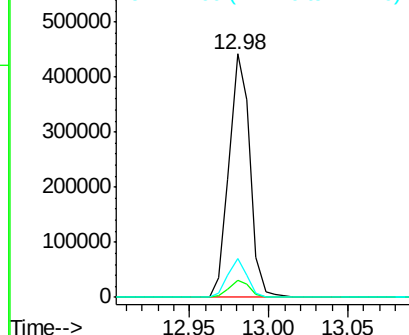
244 100

212 7.0 5.4 8.0

122 15.9 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF103120.D

Acq: 20 Feb 2018 12:47

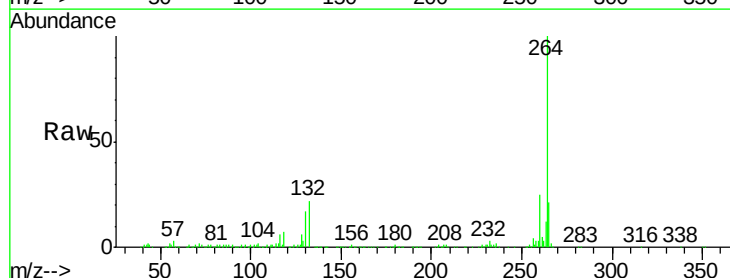
Tgt Ion:264 Resp: 307480

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 21.1 17.5 26.3



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

