

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103362.D
 Acq On : 2 Mar 2018 13:17
 Operator : SJ/JU
 Sample : J1402-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-B

Quant Time: Mar 02 17:04:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	156956	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	639924	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	272198	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	431281	20.00	ng	0.00
75) Chrysene-d12	14.06	240	255067	20.00	ng	0.00
86) Perylene-d12	15.57	264	248522	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	879088	84.71	ng	0.00
7) Phenol-d6	6.51	99	1107044	87.18	ng	0.00
23) Nitrobenzene-d5	7.44	82	730452	65.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	185380	80.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1025741	60.51	ng	0.00
78) Terphenyl-d14	12.99	244	741181	69.85	ng	0.00

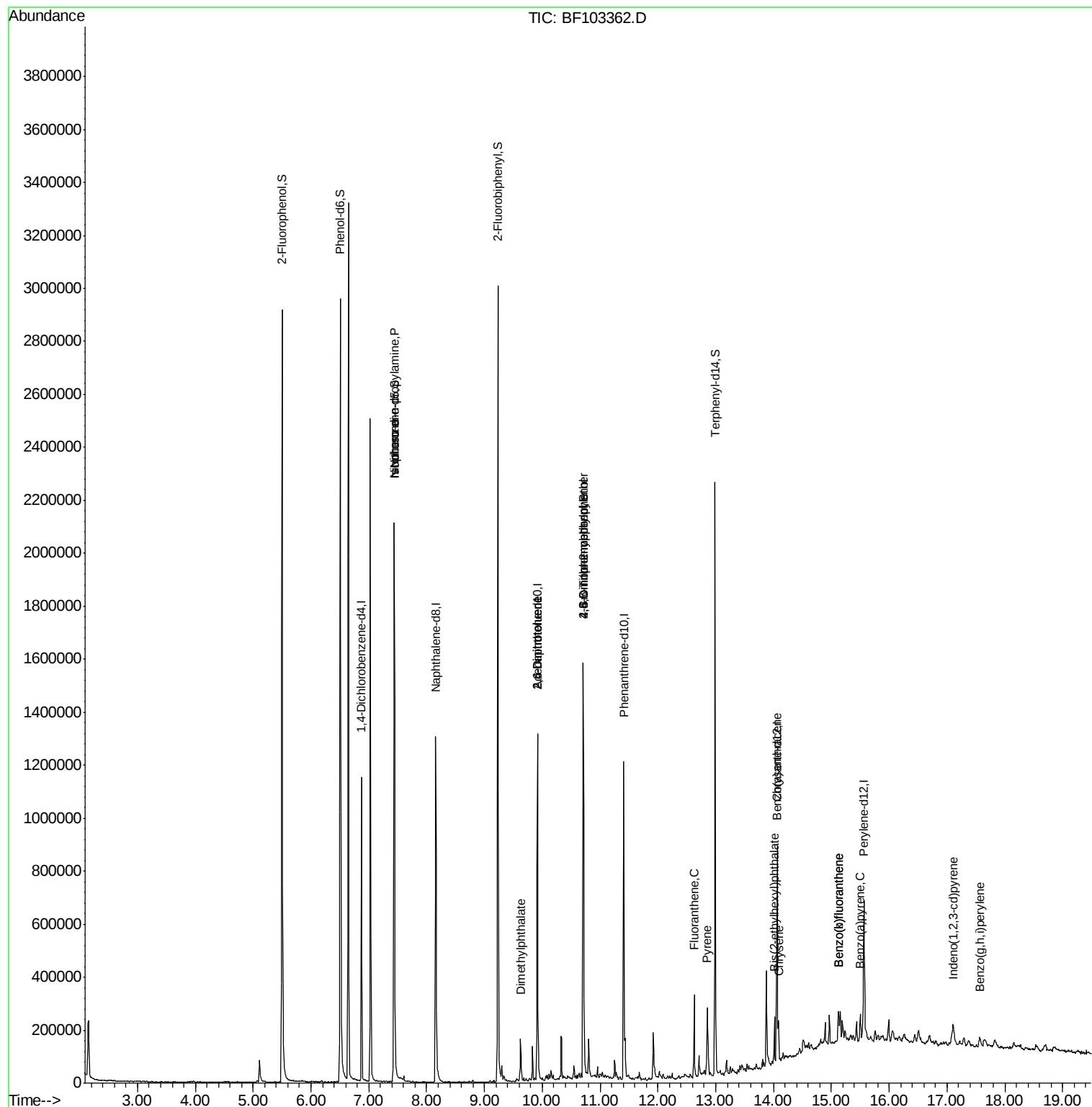
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	2201	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	97561	12.344	ng	82
25) Isophorone	7.44	82	730446	33.098	ng	64
49) Dimethylphthalate	9.63	163	73949	3.387	ng	99
50) 2,6-Dinitrotoluene	9.92	165	34400	7.507	ng	26
56) 2,4-Dinitrotoluene	9.92	165	34400	5.936	ng	23
64) 4,6-Dinitro-2-methylphenol	10.71	198	320	5.055	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	12691	2.825	ng	1
74) Fluoranthene	12.63	202	117497	4.926	ng	100
77) Pyrene	12.86	202	101342	5.096	ng	98
80) Benzo(a)anthracene	14.05	228	45575	2.754	ng	99
82) Chrysene	14.09	228	49831	3.101	ng	99
83) Bis(2-ethylhexyl)phthalate	14.02	149	47634	3.360	ng	99
85) Indeno(1,2,3-cd)pyrene	17.10	276	27514	2.163	ng	95
87) Benzo(b)fluoranthene	15.13	252	94928	5.810	ng	93
88) Benzo(k)fluoranthene	15.13	252	94928	6.169	ng	96
89) Benzo(a)pyrene	15.50	252	47214	3.236	ng	94
91) Benzo(g,h,i)perylene	17.57	276	30626	2.779	ng	95

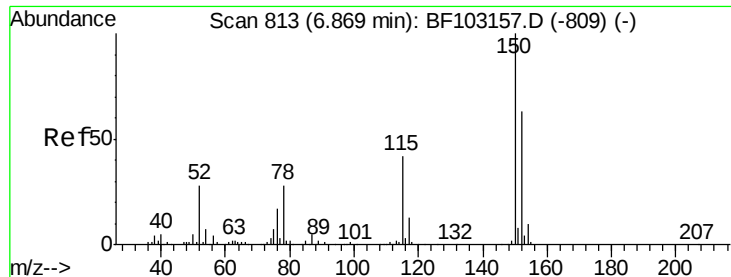
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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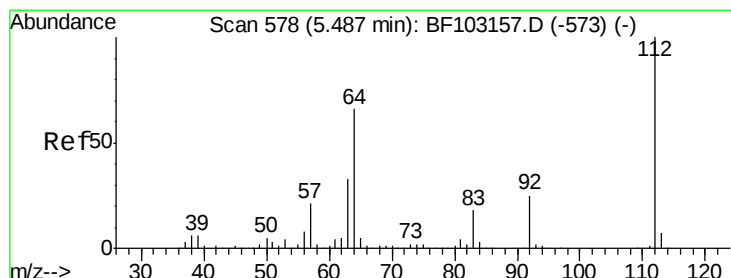
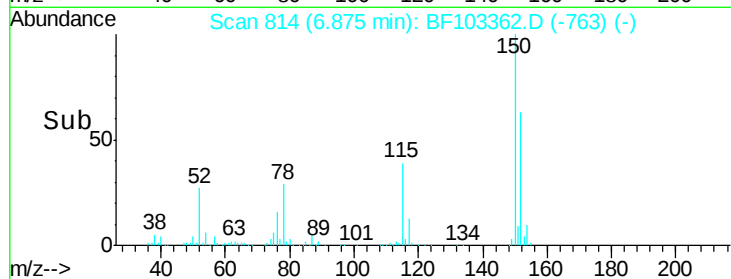
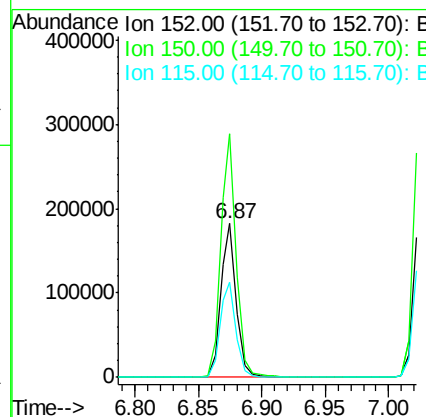
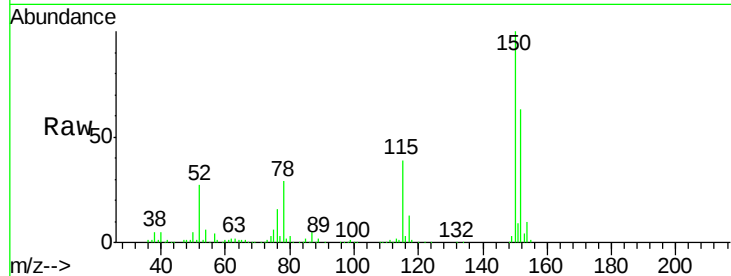


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

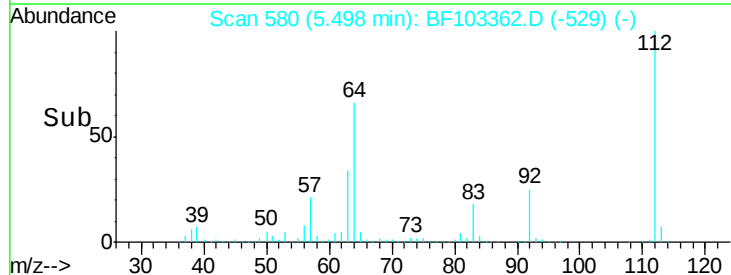
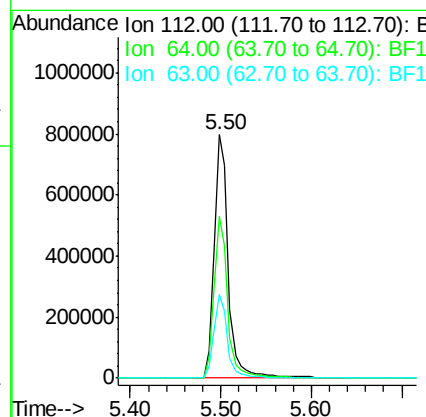
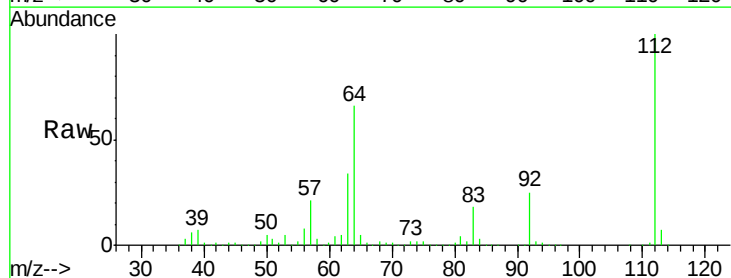
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	62.1	50.1	75.1

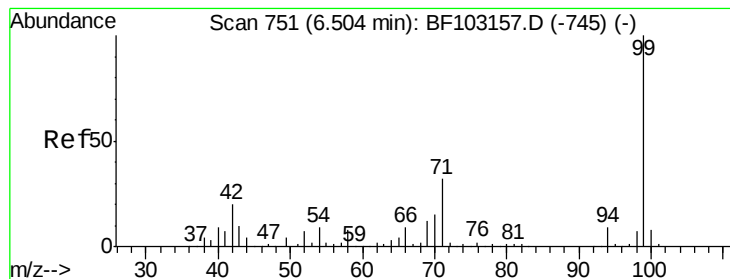


#5

2-Fluorophenol
Concen: 84.709 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 87.178 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-B

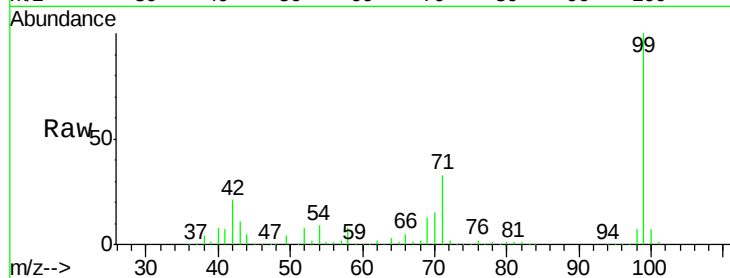
Tot Ion: 99 Resp: 1107044

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

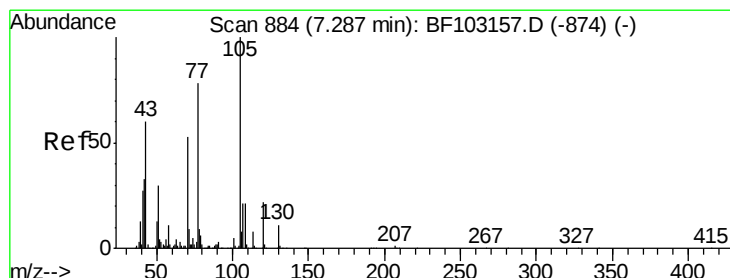
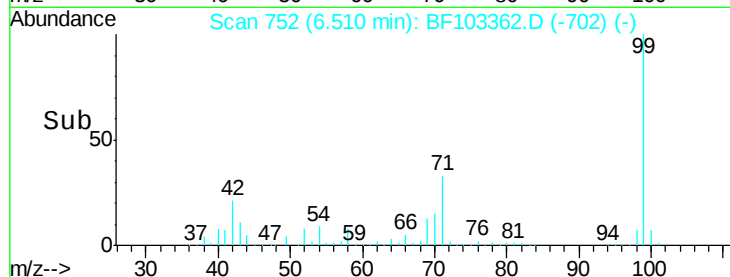
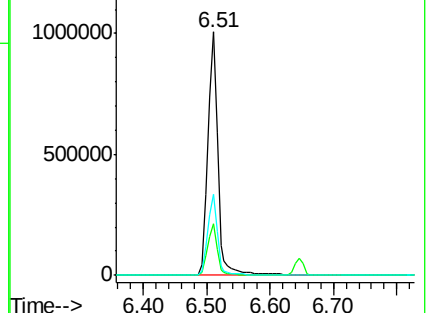
71 33.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.344 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Tgt Ion: 70 Resp: 97561

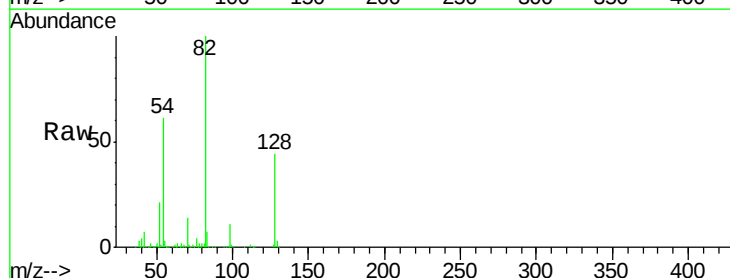
Ion Ratio Lower Upper

70 100

42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

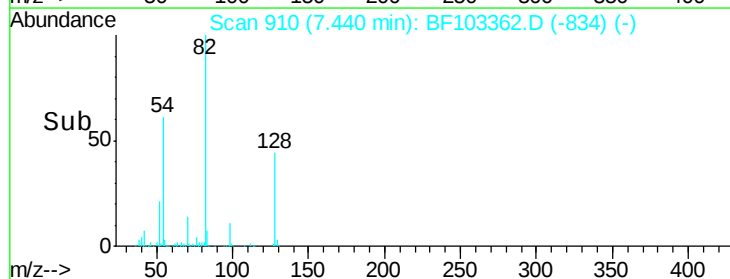
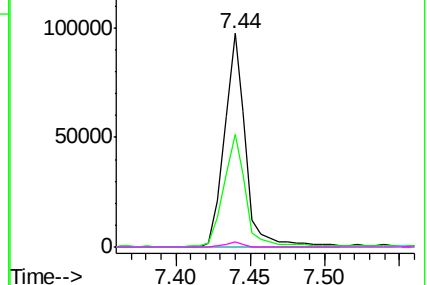


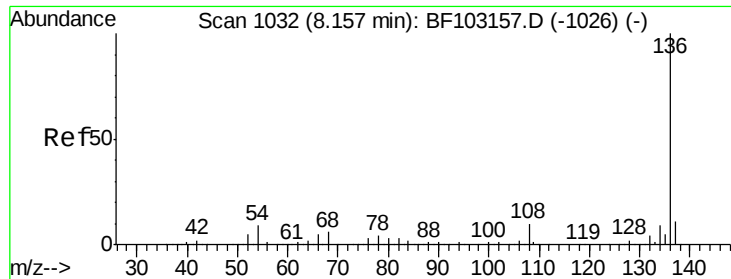
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-B

Tot Ion:136 Resp: 639924

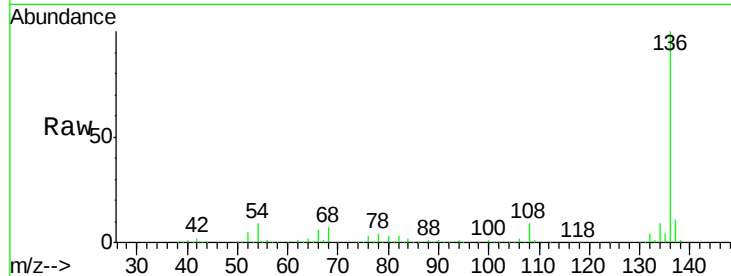
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.2 6.6 9.8

68 6.9 5.0 7.4

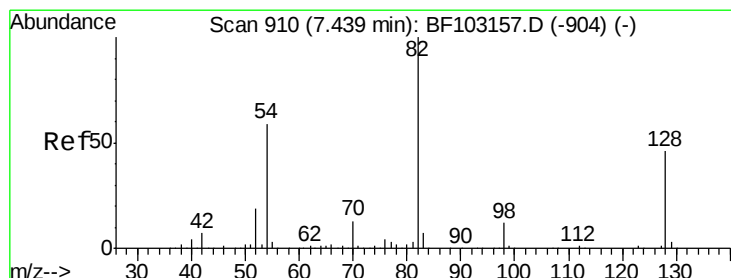
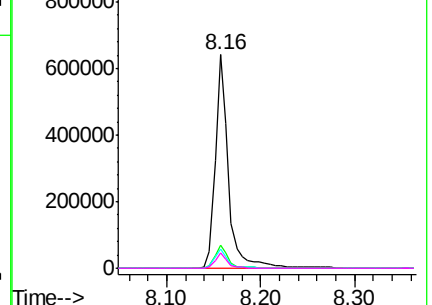
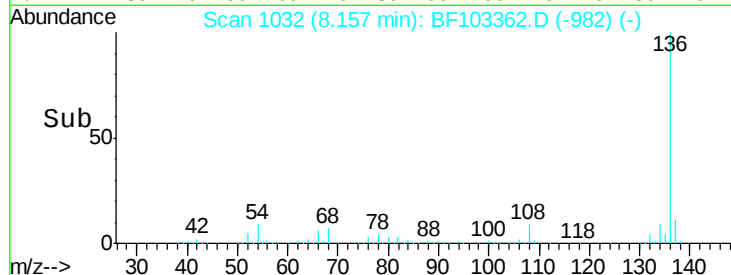


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 65.187 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

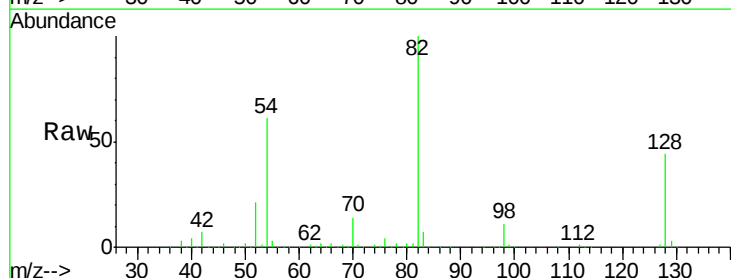
Tgt Ion: 82 Resp: 730452

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

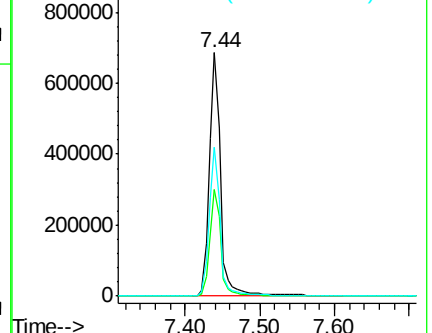
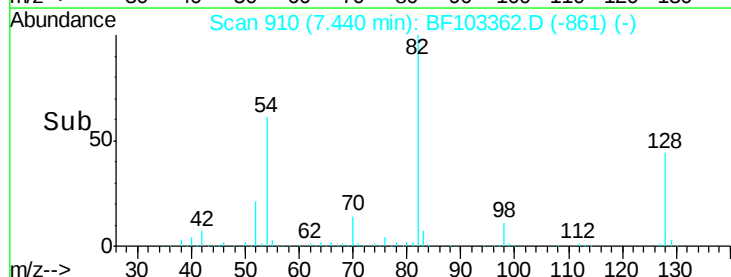
54 61.0 41.4 62.2

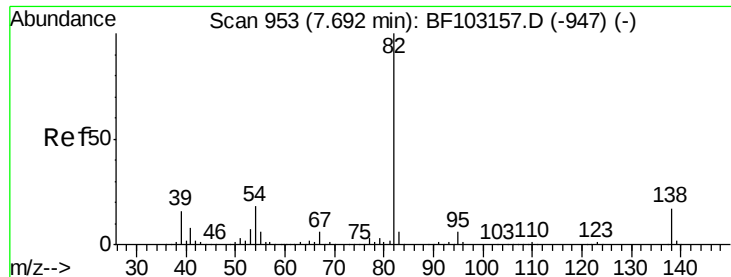


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

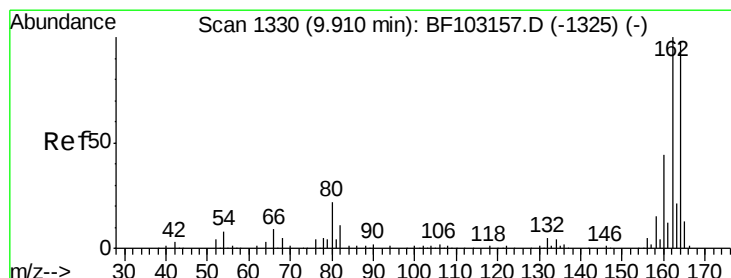
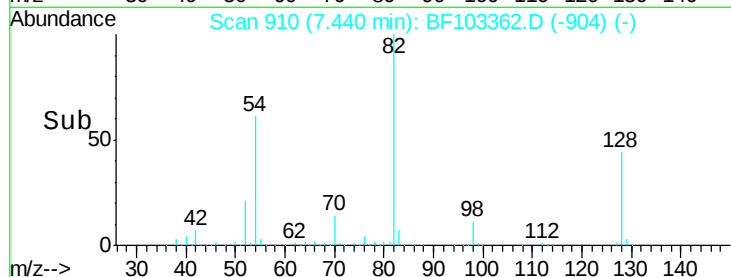
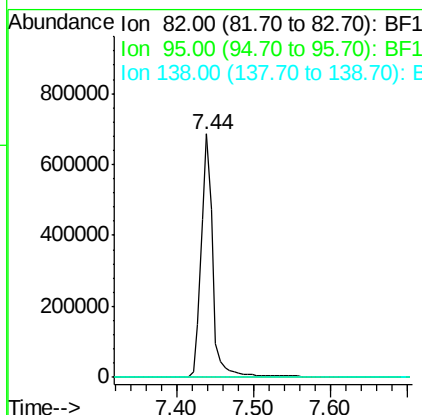
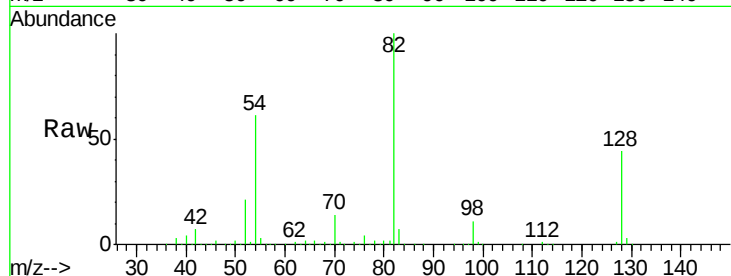




#25
Isophorone
Concen: 33.098 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

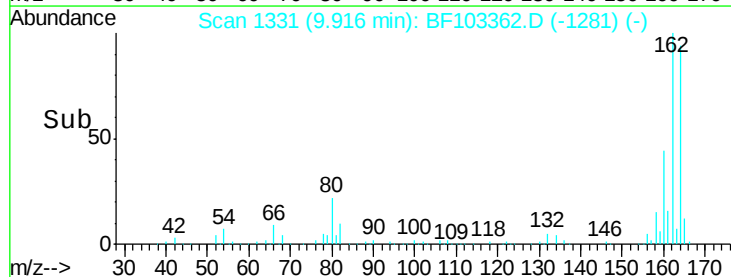
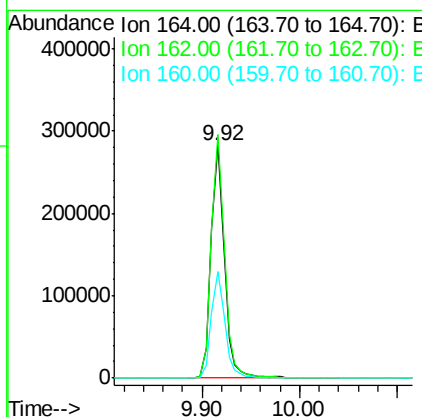
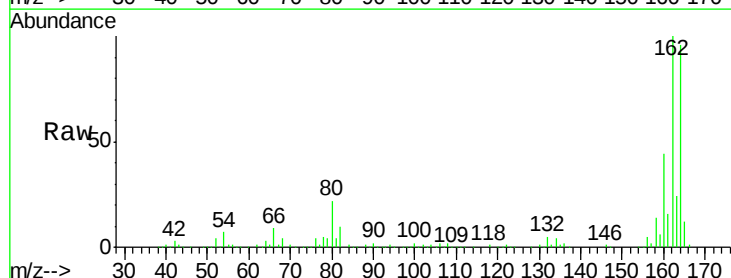
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

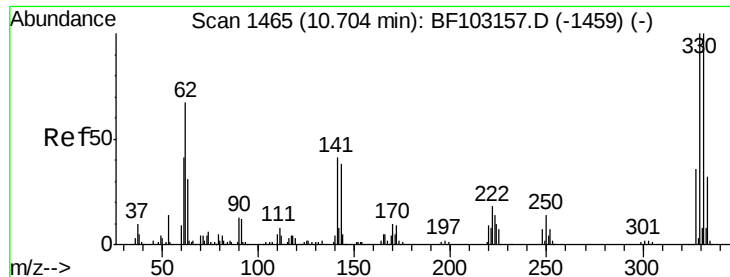
Tot Ion: 82 Resp: 730446
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Tgt Ion:164 Resp: 272198
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 45.7 38.3 57.5

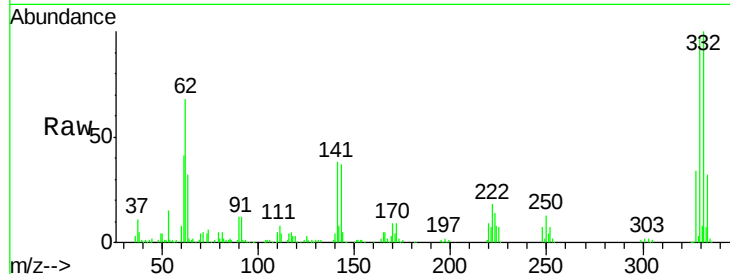




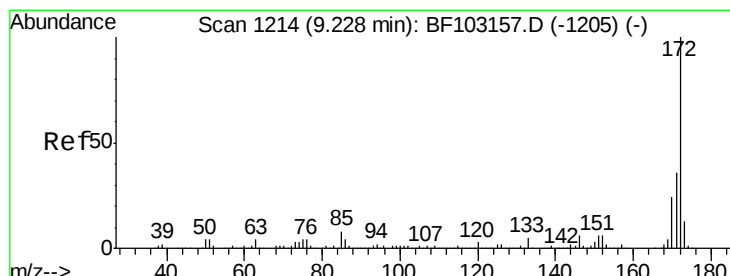
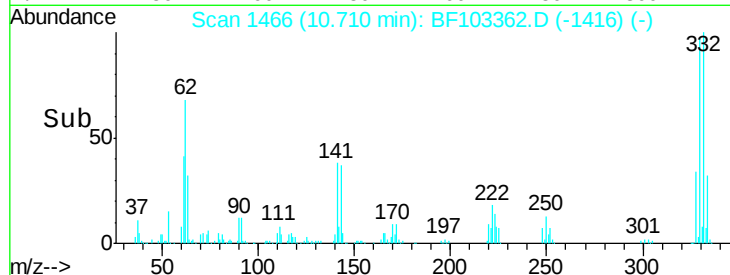
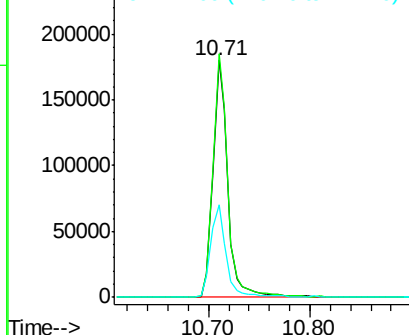
#41
 2,4,6-Tribromophenol
 Concen: 80.460 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.4	77.0	115.6
141	40.7	29.9	44.9

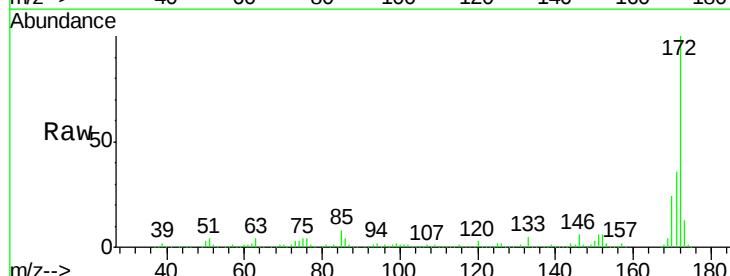


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

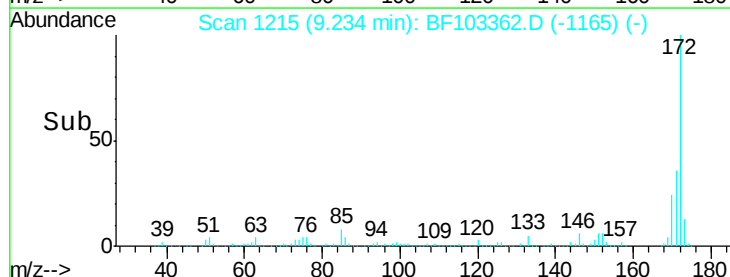
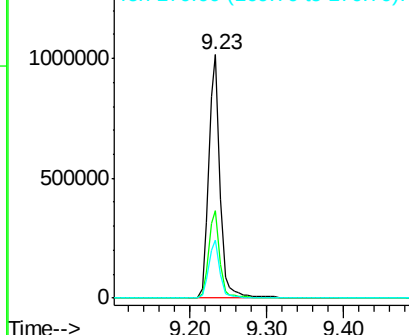


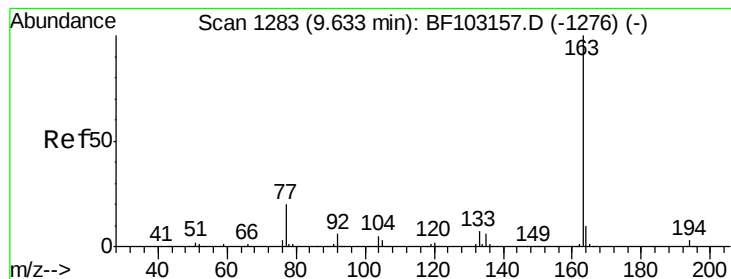
#44
 2-Fluorobiphenyl
 Concen: 60.508 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	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





#49

Dimethylphthalate

Concen: 3.387 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-B

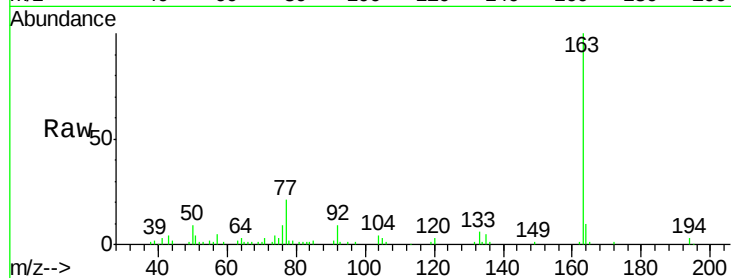
Tot Ion:163 Resp: 73949

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

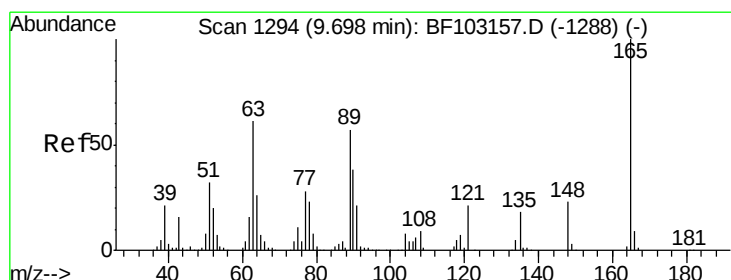
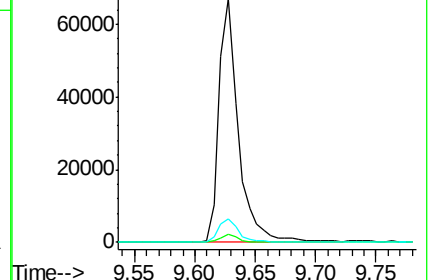
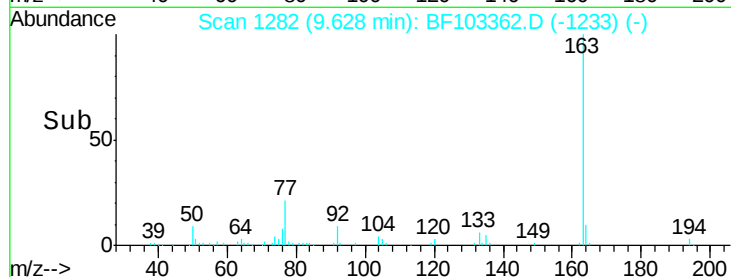
164 9.8 8.2 12.2



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: 7.507 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

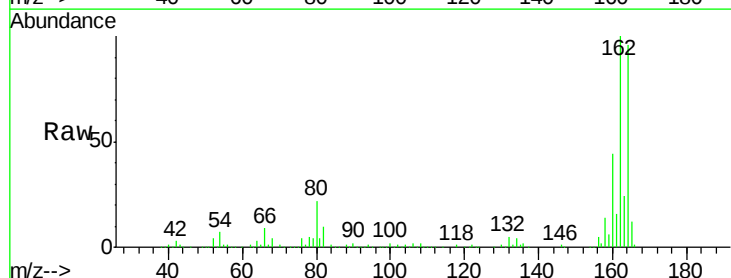
Tgt Ion:165 Resp: 34400

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

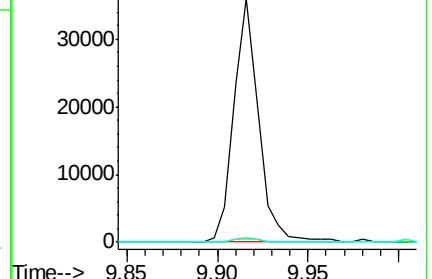
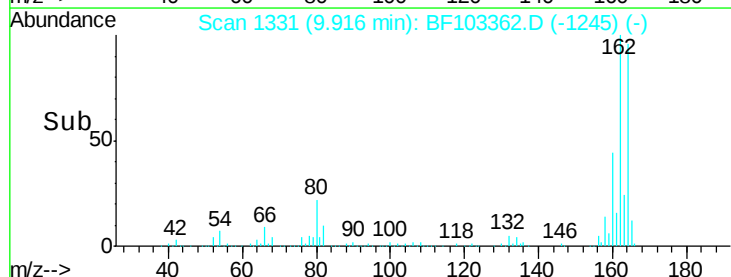
89 1.5 44.0 66.0#

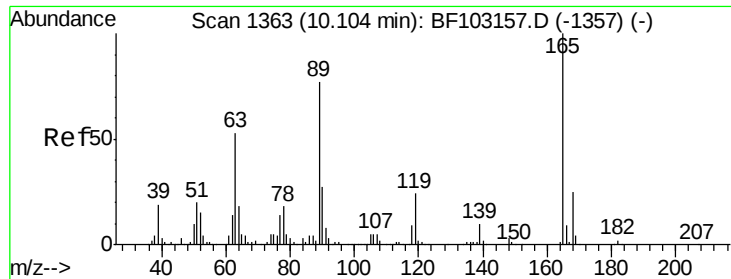


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

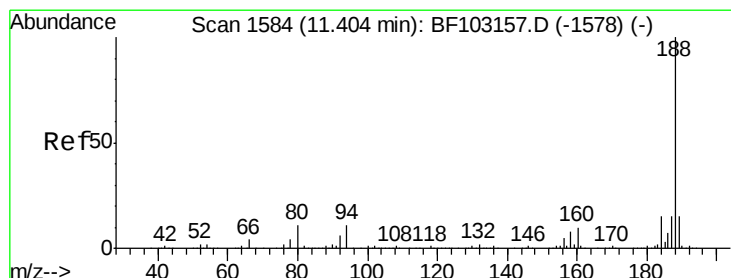
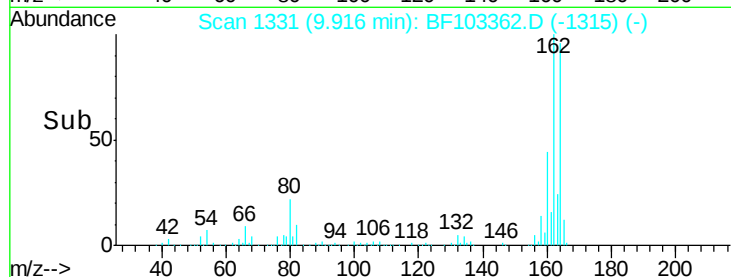
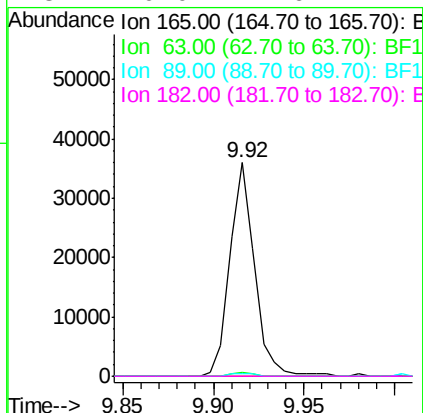
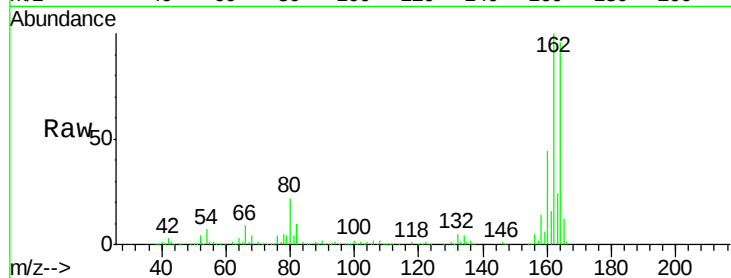




#56
 2,4-Dinitrotoluene
 Concen: 5.936 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.21 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

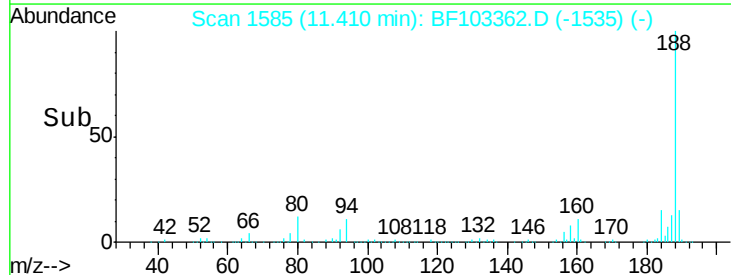
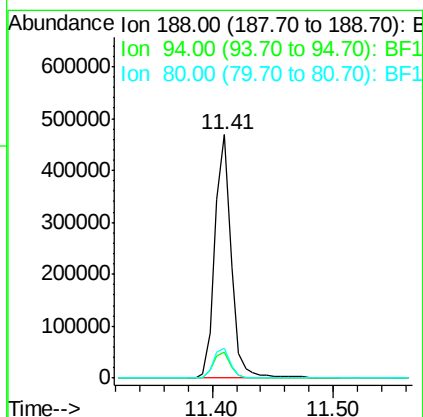
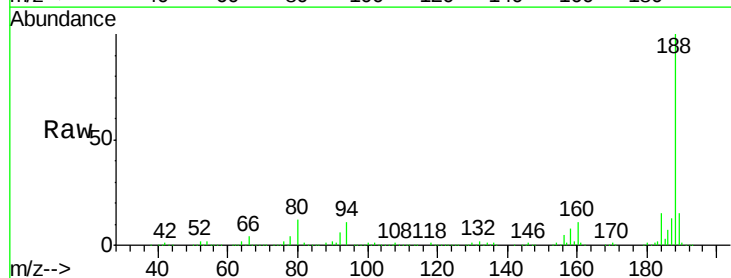
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-B

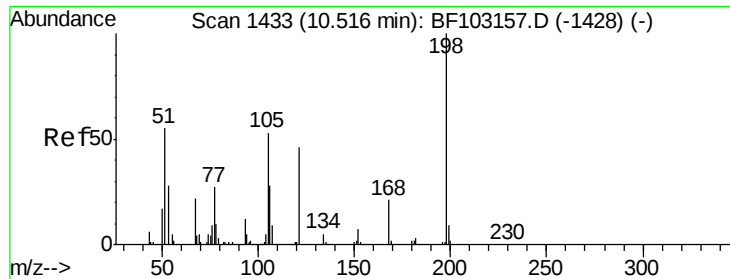
Tot Ion:	165	Resp:	34400
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

Tgt Ion:	188	Resp:	431281
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.1	9.2	13.8

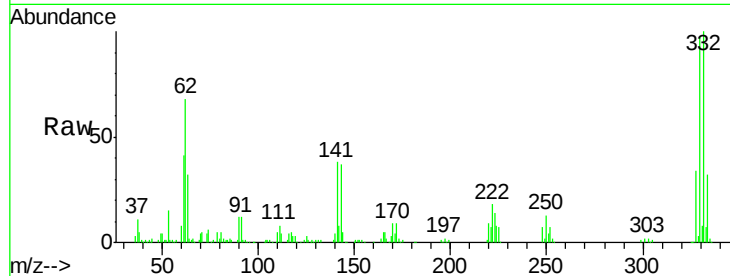




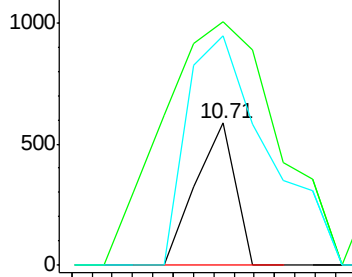
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.055 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.17 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-B

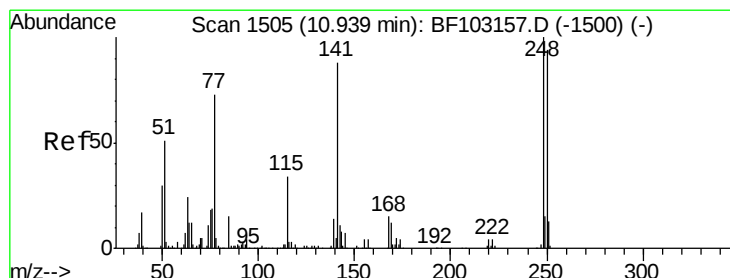
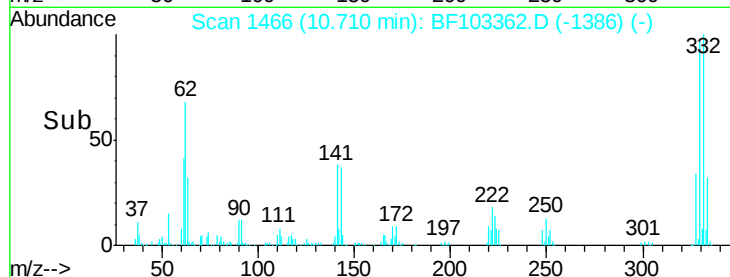
Tot Ion:198 Resp: 320
 Ion Ratio Lower Upper
 198 100
 51 171.2 37.7 77.7#
 105 161.8 36.3 76.3#



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

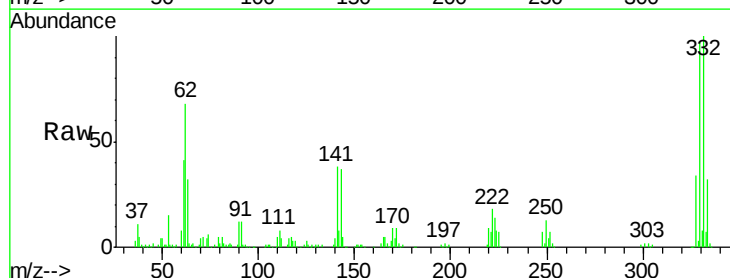


Time-->

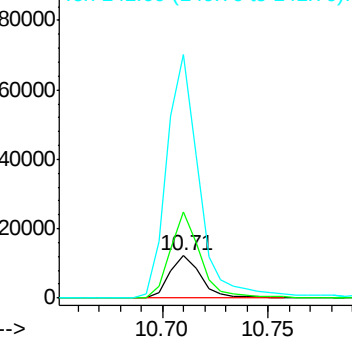


#66
 4-Bromophenyl-phenylether
 Concen: 2.825 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

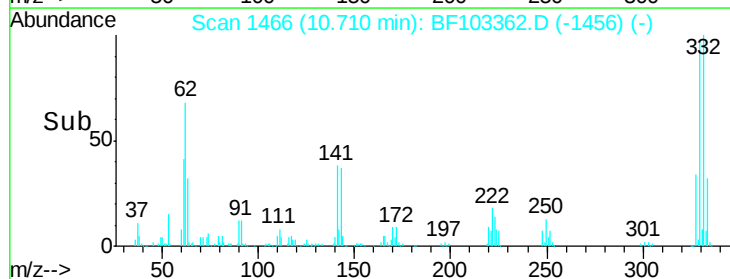
Tgt Ion:248 Resp: 12691
 Ion Ratio Lower Upper
 248 100
 250 202.8 76.9 115.3#
 141 577.1 74.4 111.6#

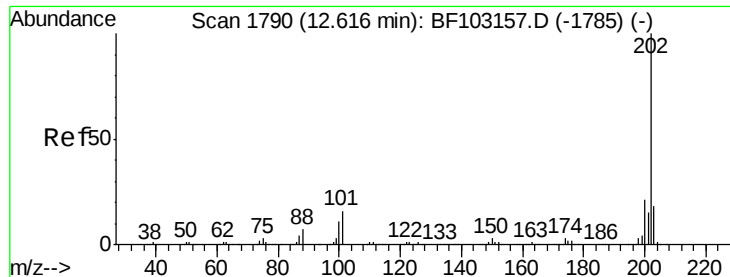


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->





#74

Fluoranthene

Concen: 4.926 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-B

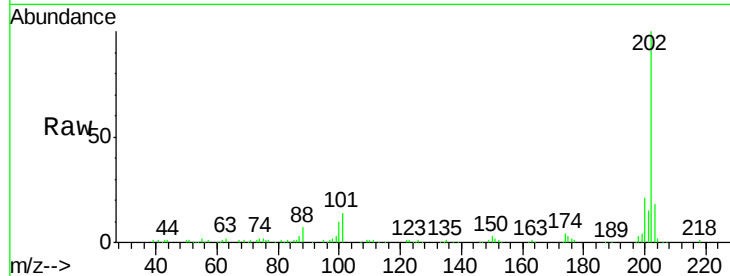
Tot Ion:202 Resp: 117497

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

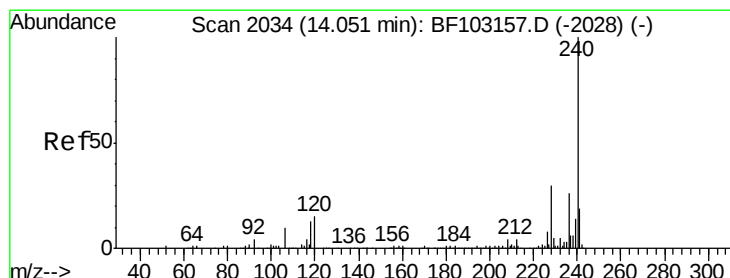
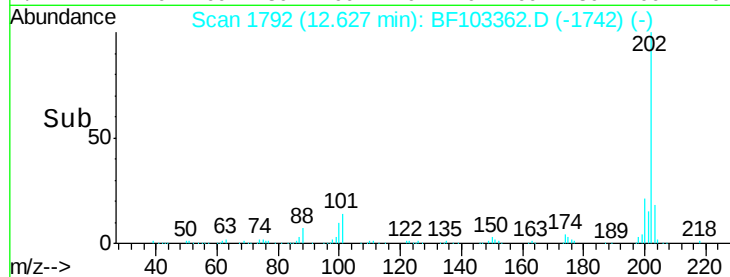
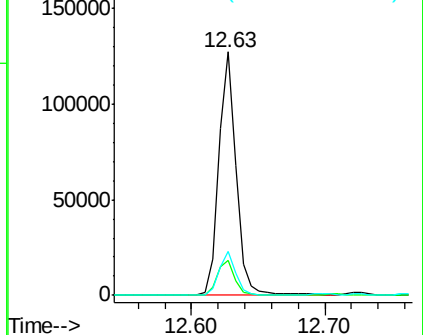
203 18.1 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

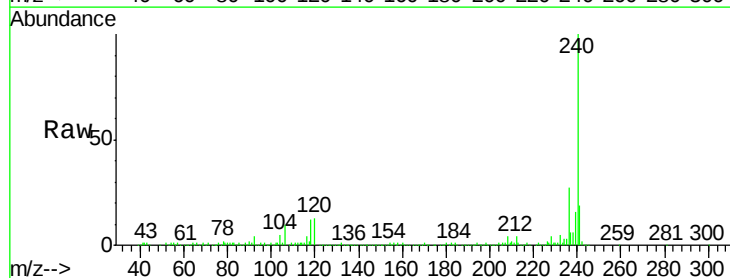
Tgt Ion:240 Resp: 255067

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

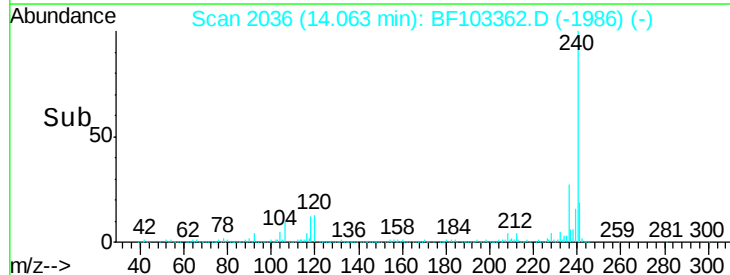
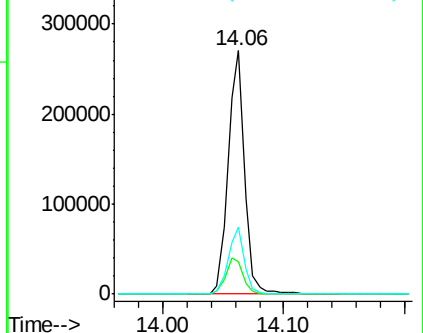
236 27.3 20.7 31.1

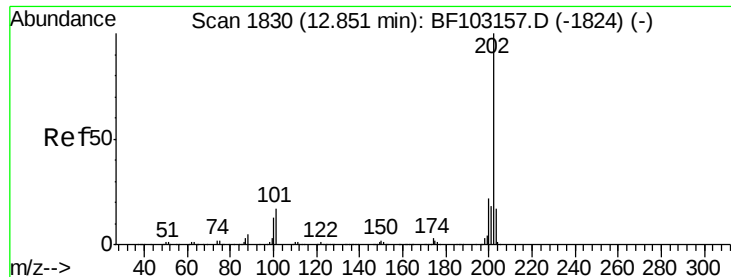


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

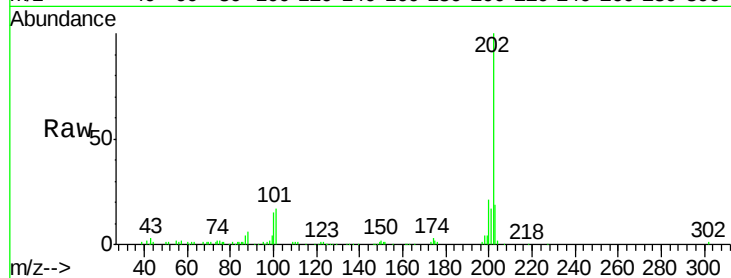




#77
Pvrene
Concen: 5.096 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

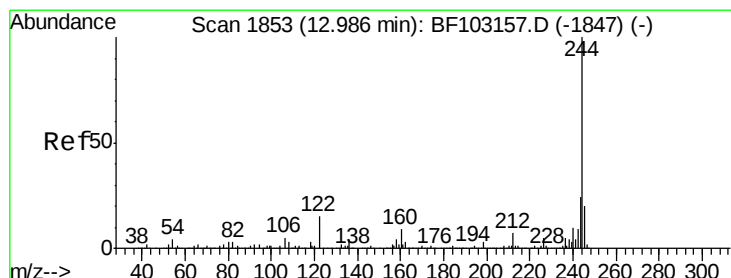
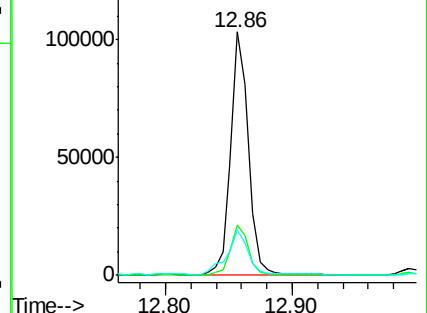
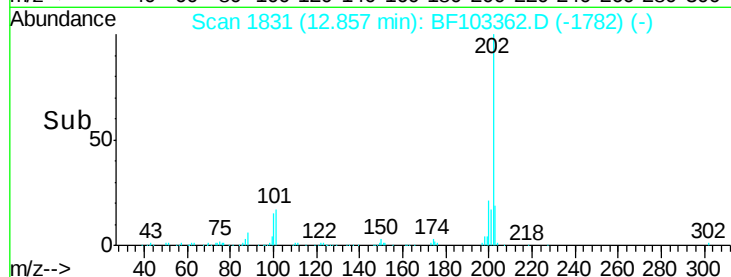
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

Tot Ion:202 Resp: 101342
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 18.8 14.3 21.5



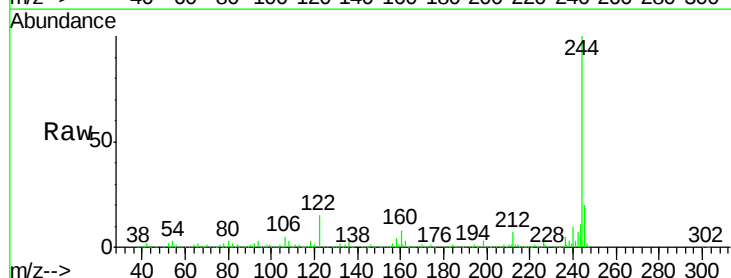
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.86



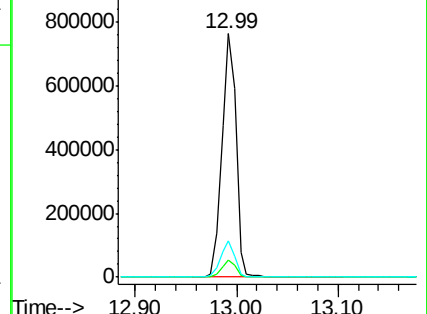
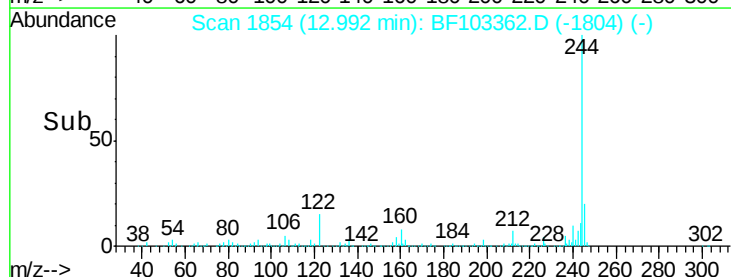
#78
Terphenyl-d14
Concen: 69.852 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

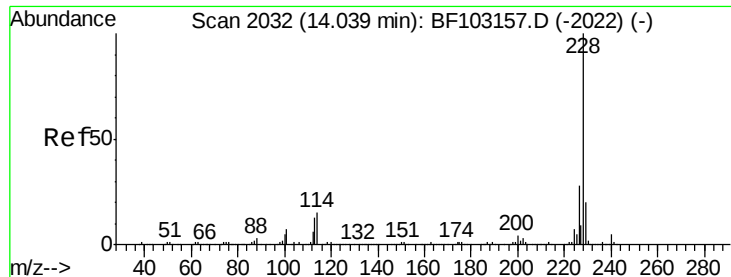
Tgt Ion:244 Resp: 741181
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 15.1 11.0 16.4



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

12.99

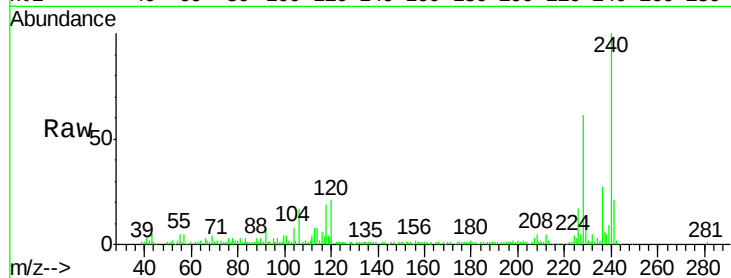




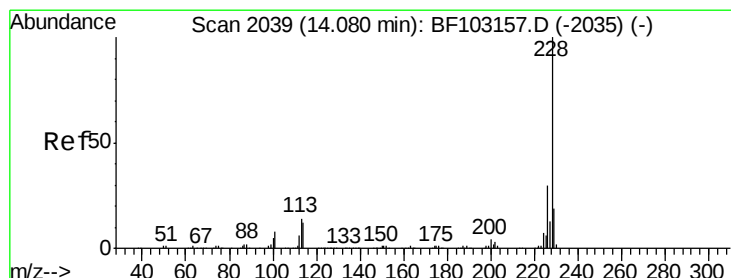
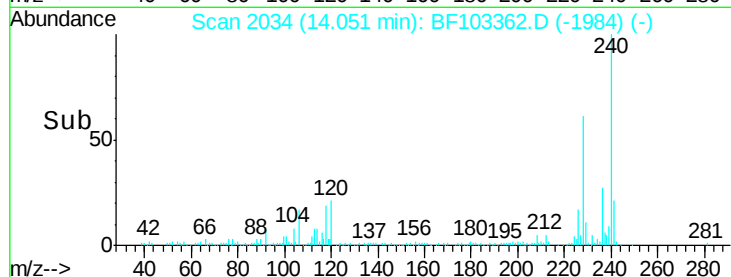
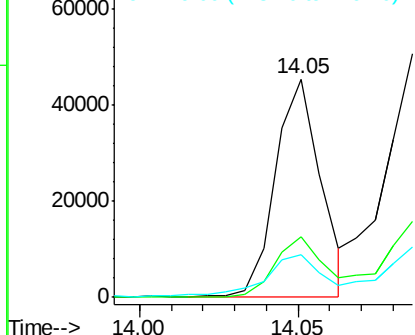
#80
Benzo(a)anthracene
Concen: 2.754 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

Tot Ion:228 Resp: 45575
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 19.6 15.8 23.6

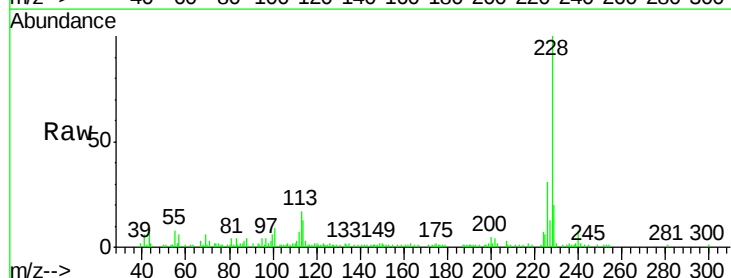


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

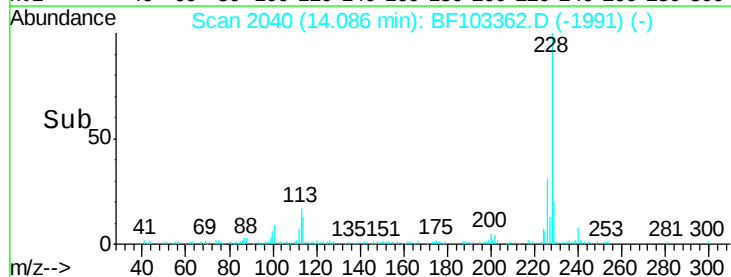
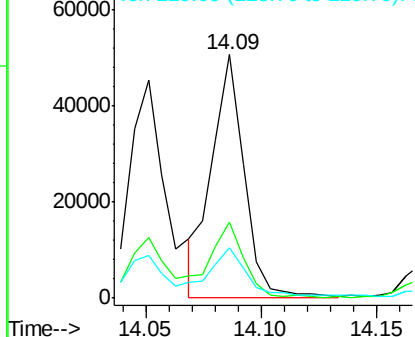


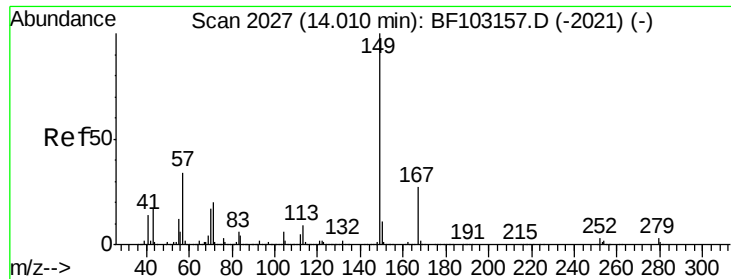
#82
Chrysene
Concen: 3.101 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Tgt Ion:228 Resp: 49831
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 20.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

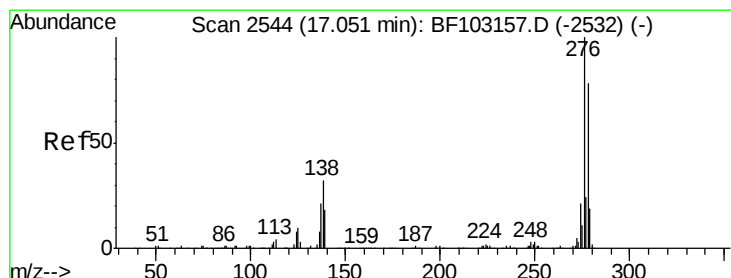
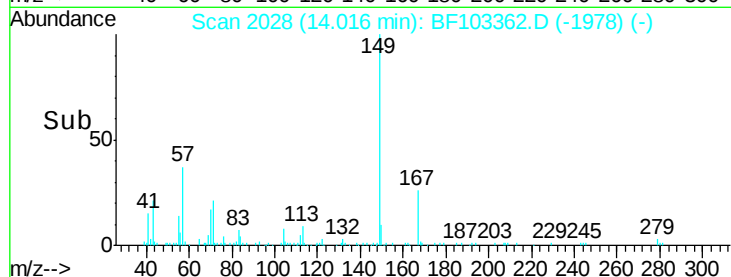
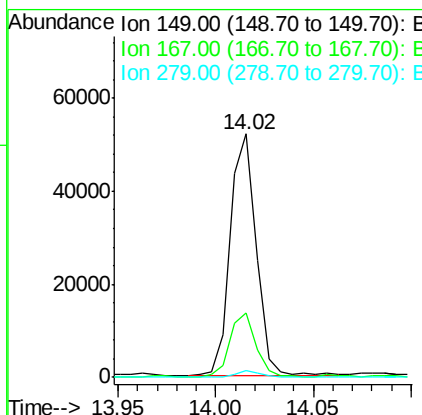
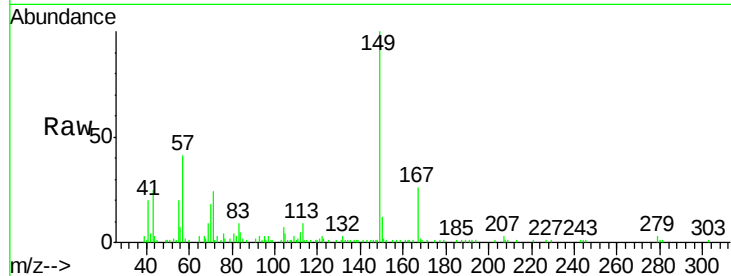




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.360 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

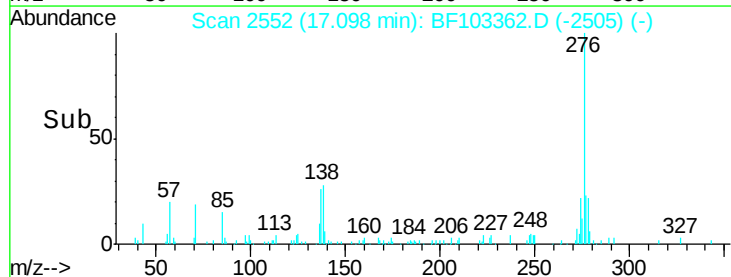
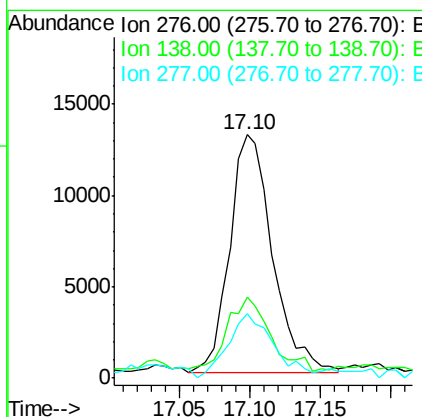
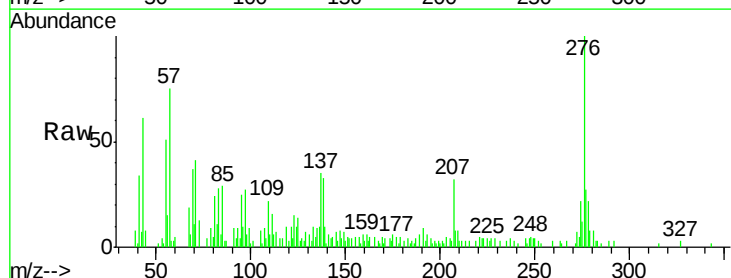
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-B

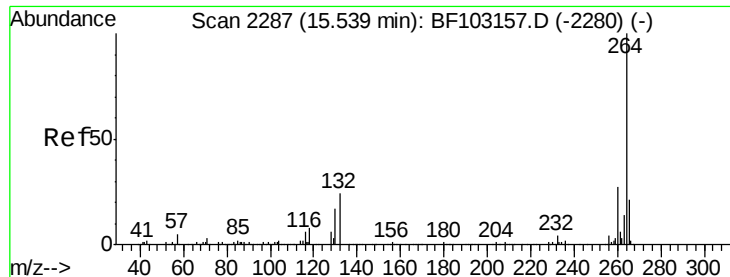
Tot Ion:149 Resp: 47634
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.3 31.9
 279 2.9 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.163 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF103362.D
 Acq: 2 Mar 2018 13:17

Tgt Ion:276 Resp: 27514
 Ion Ratio Lower Upper
 276 100
 138 30.3 25.0 37.6
 277 29.2 20.1 30.1

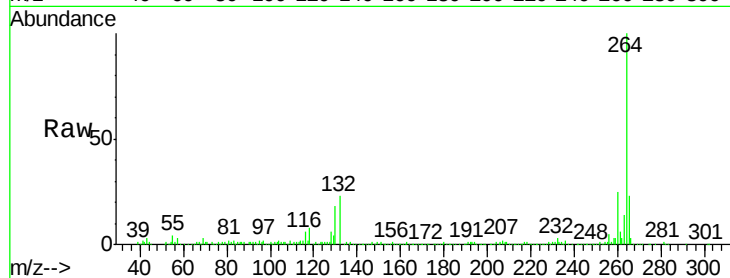




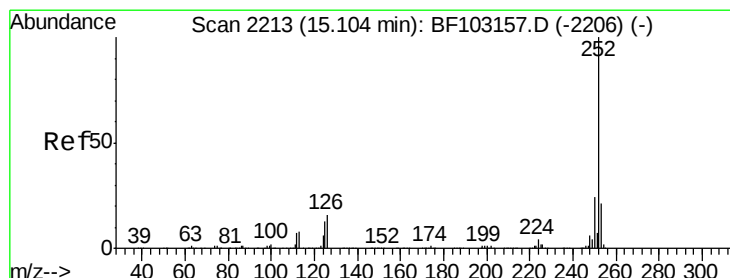
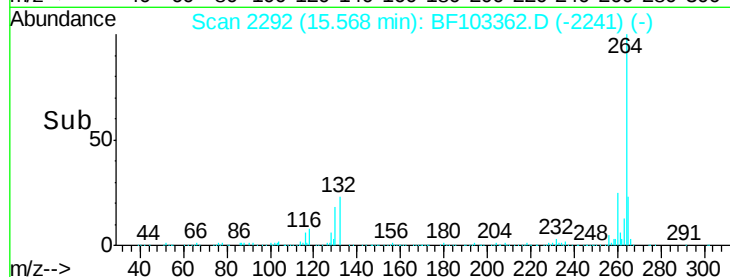
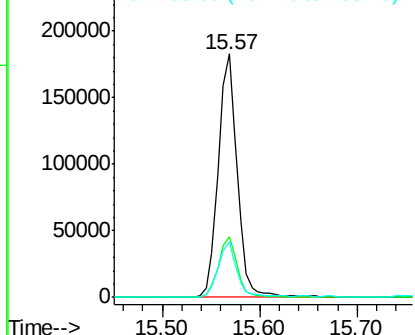
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

Tot Ion:264 Resp: 248522
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 23.0 17.5 26.3

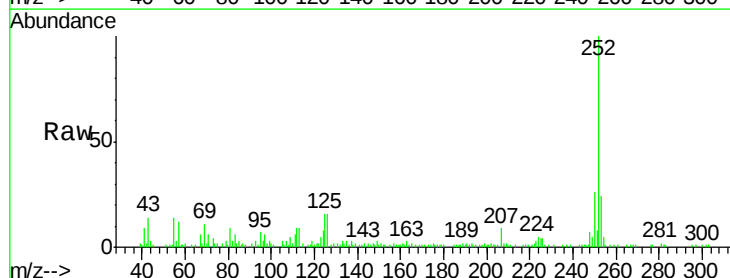


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

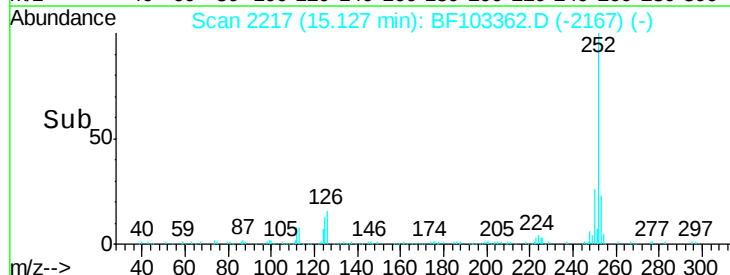
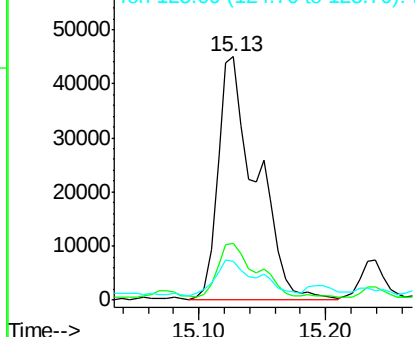


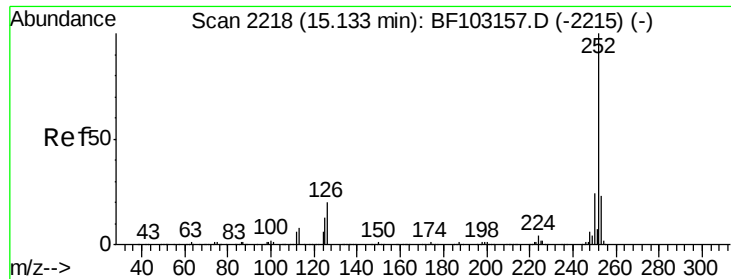
#87
Benzo(b)fluoranthene
Concen: 5.810 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Tgt Ion:252 Resp: 94928
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 15.7 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

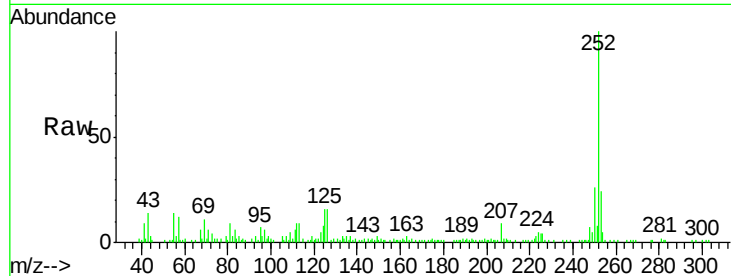




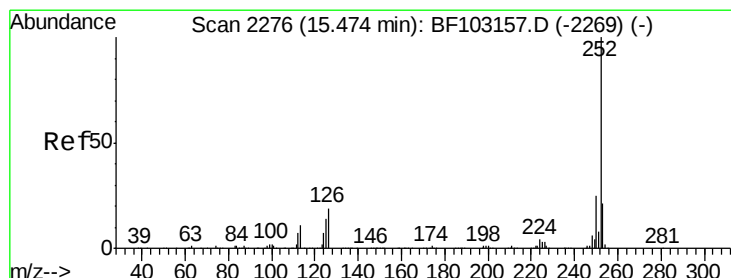
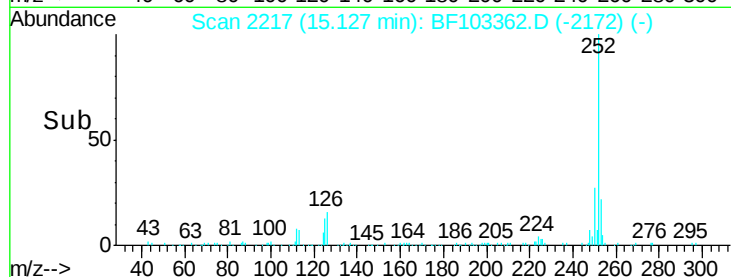
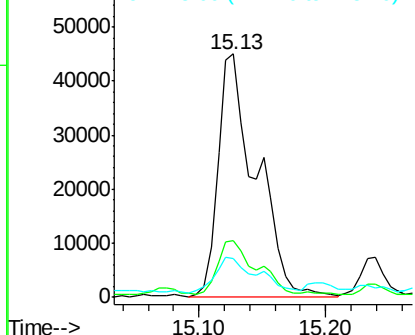
#88
Benzo(k)fluoranthene
Concen: 6.169 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-B

Tot Ion:252 Resp: 94928
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 15.7 10.2 15.2#

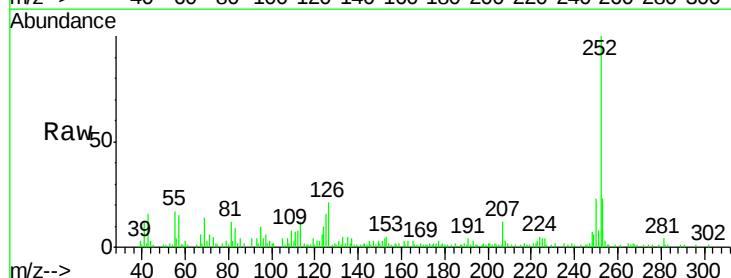


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

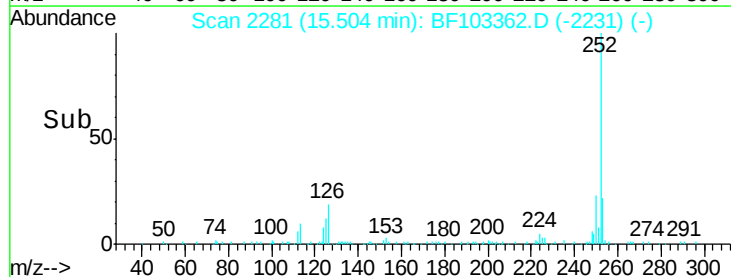
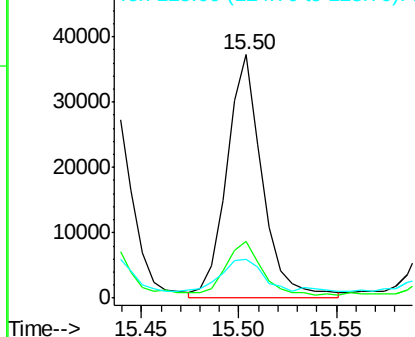


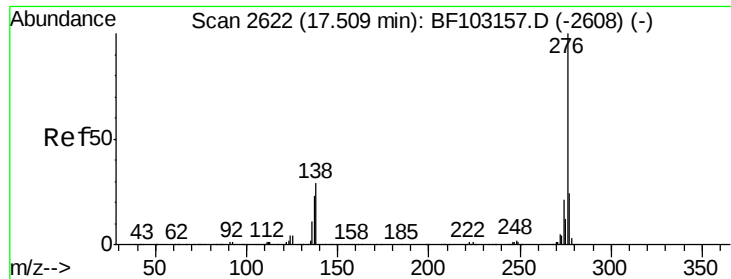
#89
Benzo(a)pyrene
Concen: 3.236 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103362.D
Acq: 2 Mar 2018 13:17

Tgt Ion:252 Resp: 47214
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 16.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.779 ng

RT: 17.57 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF103362.D

Acq: 2 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-B

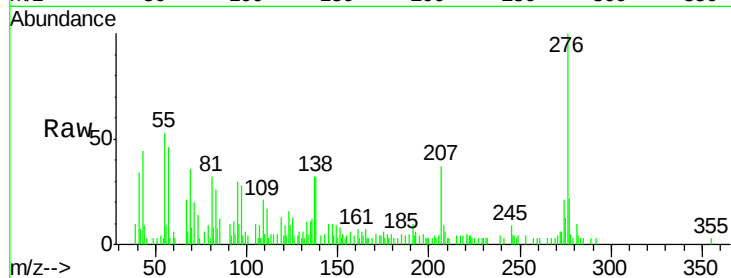
Tot Ion: 276 Resp: 30626

Ion Ratio Lower Upper

276 100

277 22.0 17.9 26.9

138 31.8 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

