

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103364.D
 Acq On : 2 Mar 2018 14:10
 Operator : SJ/JU
 Sample : J1402-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 02 17:05:37 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	167564	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	657233	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269523	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	401178	20.00	ng	0.00
75) Chrysene-d12	14.06	240	263096	20.00	ng	0.00
86) Perylene-d12	15.57	264	236874	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1093027	98.66	ng	0.00
7) Phenol-d6	6.52	99	1318453	97.25	ng	0.00
23) Nitrobenzene-d5	7.44	82	800138	69.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	187945	82.38	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	958459	56.39	ng	0.00
78) Terphenyl-d14	12.99	244	575331	52.57	ng	0.00

Target Compounds

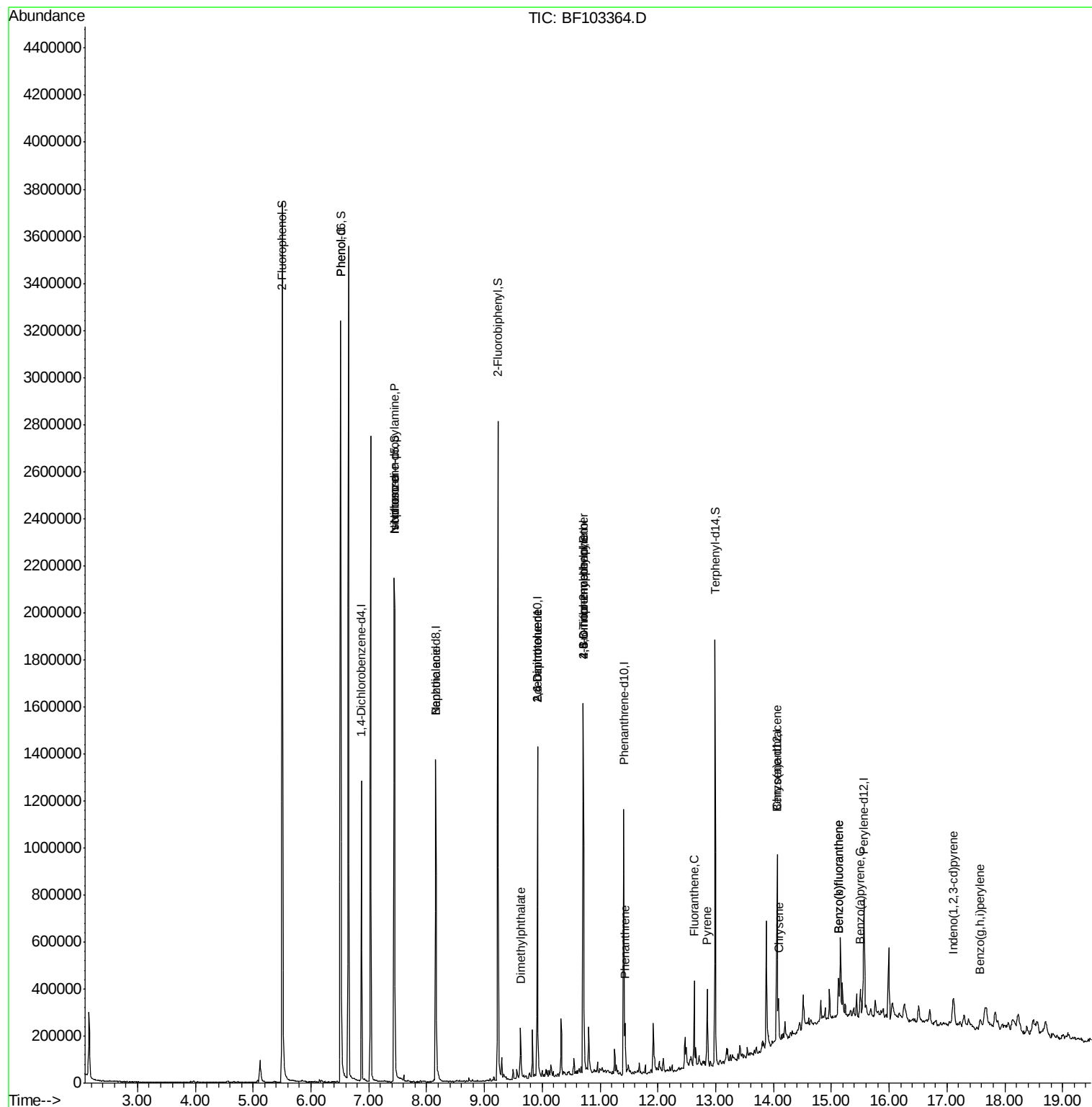
						Qvalue
9) Benzaldehyde	6.52	77	2662	Below Cal	#	1
10) Phenol	6.52	94	55487	3.526 ng	#	72
19) n-Nitroso-di-n-propylamine	7.44	70	105773	12.536 ng	#	82
25) Isophorone	7.44	82	800134	35.301 ng	#	64
32) Benzoic acid	8.16	122	106	6.927 ng	#	1
49) Dimethylphthalate	9.63	163	92151	4.262 ng		99
50) 2,6-Dinitrotoluene	9.92	165	34939	7.700 ng	#	26
56) 2,4-Dinitrotoluene	9.92	165	34939	6.088 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.71	198	422	5.100 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	12511	2.994 ng	#	1
70) Phenanthrene	11.43	178	64670	2.929 ng		97
74) Fluoranthene	12.63	202	137416	6.194 ng		99
77) Pvrene	12.86	202	119561	5.829 ng		98
80) Benzo(a)anthracene	14.05	228	60214	3.527 ng		97
82) Chrysene	14.09	228	70622	4.261 ng		98
85) Indeno(1,2,3-cd)pyrene	17.10	276	30940	2.358 ng		98
87) Benzo(b)fluoranthene	15.13	252	118691	7.621 ng	#	92
88) Benzo(k)fluoranthene	15.13	252	118691	8.093 ng	#	95
89) Benzo(a)pvrene	15.50	252	56210	4.042 ng	#	92
91) Benzo(a,h,i)perylene	17.57	276	33377	3.178 ng	#	83

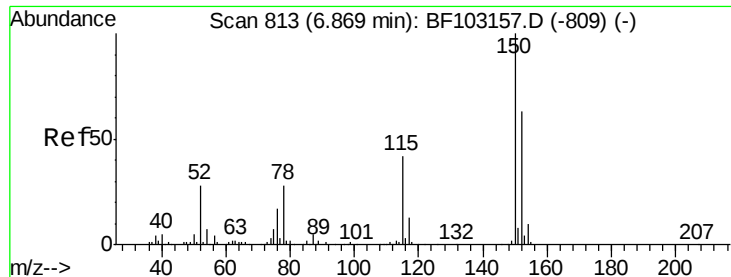
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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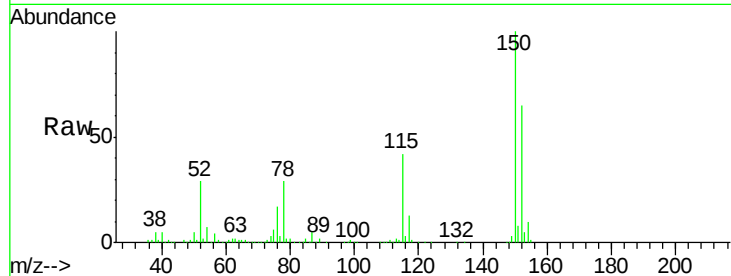


#1

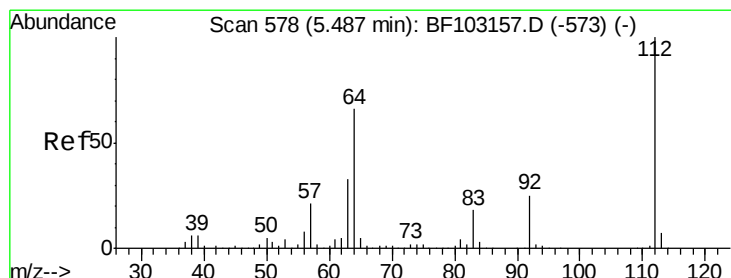
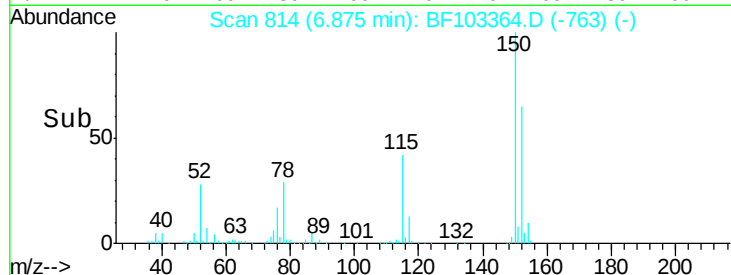
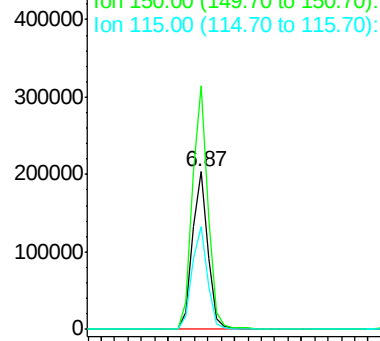
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

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

Tot Ion:152 Resp: 167564
 Ion Ratio Lower Upper
 152 100
 150 154.4 124.6 186.8
 115 65.2 50.1 75.1



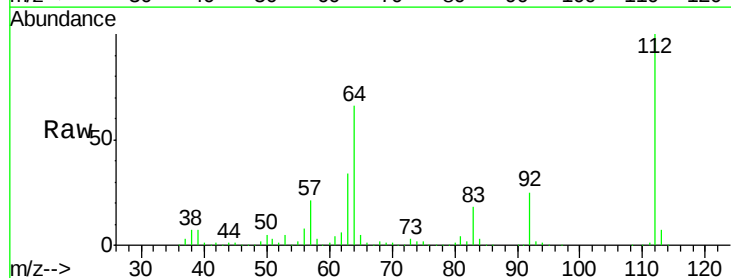
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



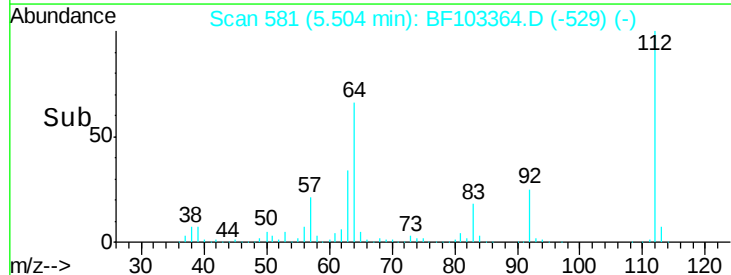
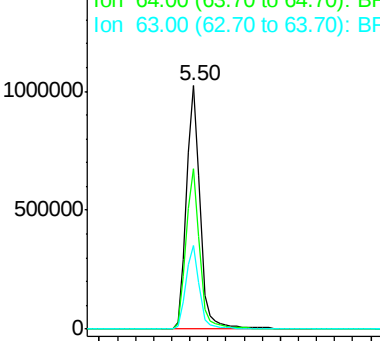
#5

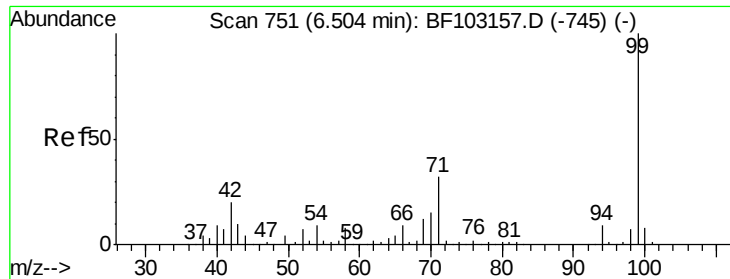
2-Fluorophenol
 Concen: 98.656 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Tgt Ion:112 Resp: 1093027
 Ion Ratio Lower Upper
 112 100
 64 65.7 47.9 71.9
 63 34.3 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





#7

Phenol-d6

Concen: 97.253 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

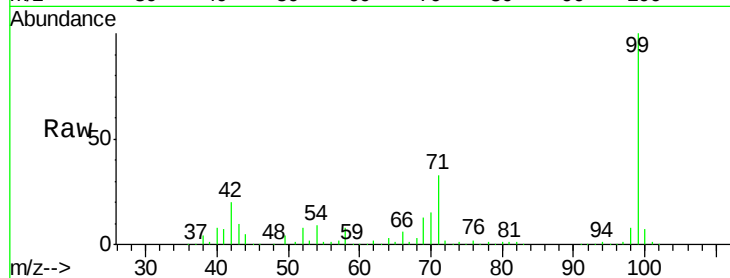
BNA_F

ClientSampleId :

PL-01-022818-D

Tot Ion: 99 Resp: 1318453

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	32.8	25.4	38.0

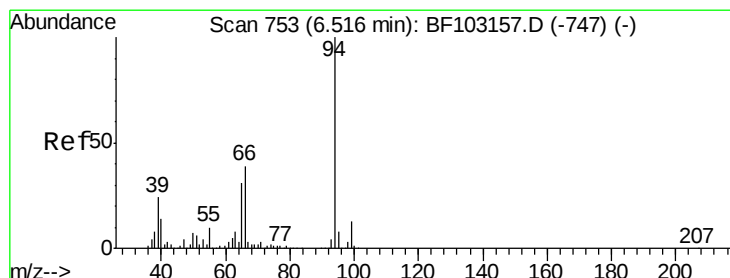
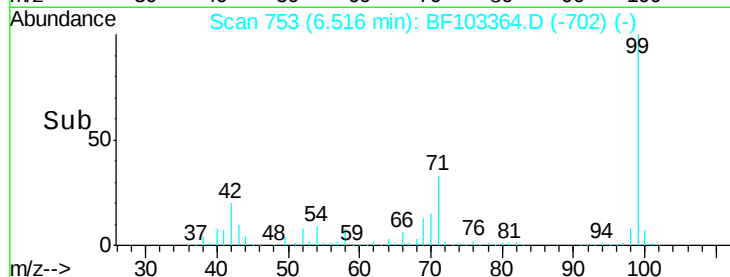
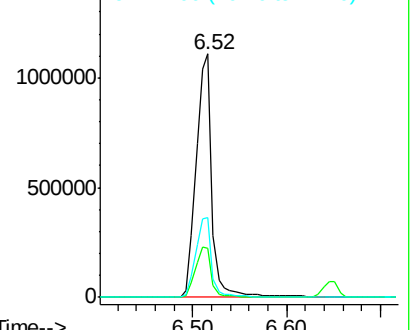


Abundance

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



#10

Phenol

Concen: 3.526 ng

RT: 6.52 min Scan# 754

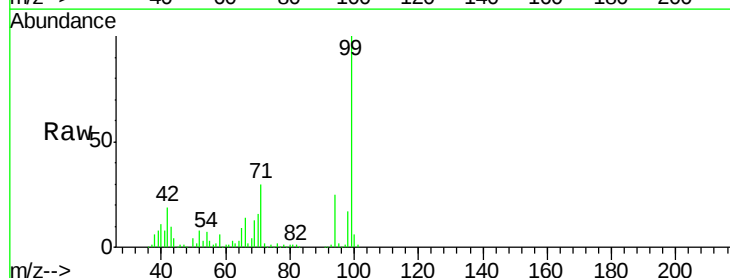
Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Tgt Ion: 94 Resp: 55487

Ion	Ratio	Lower	Upper
94	100		
65	36.2	7.9	47.9
66	58.3	16.2	56.2

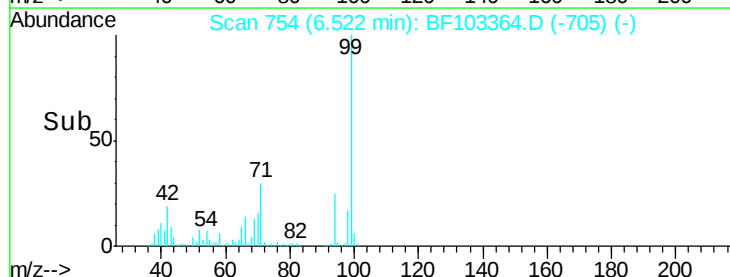
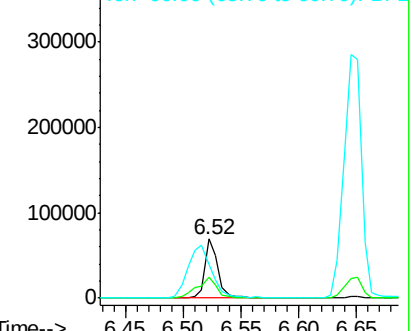


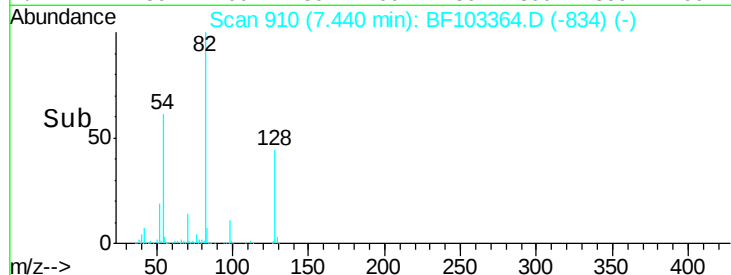
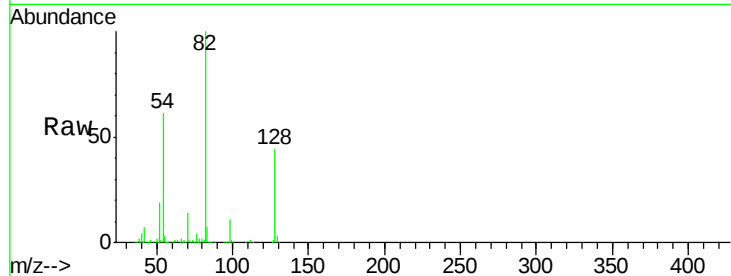
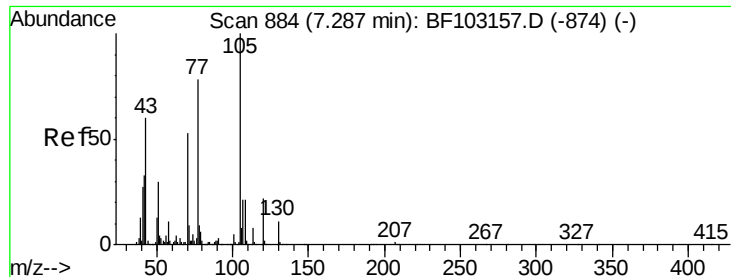
Abundance

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

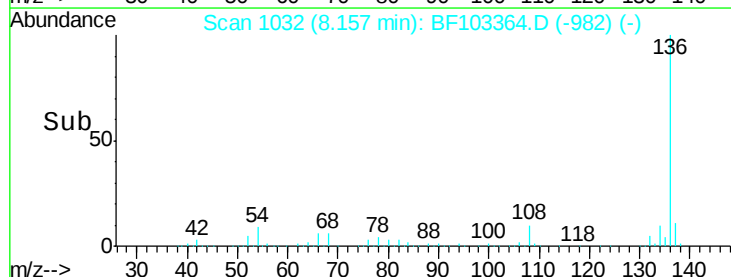
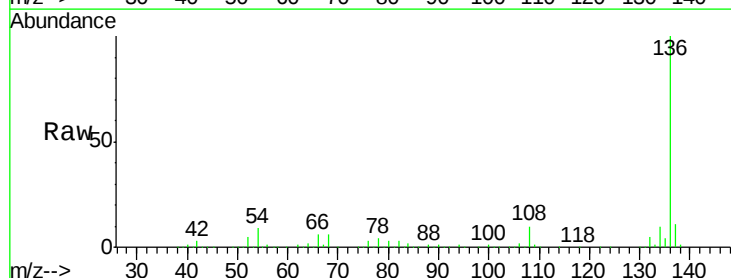
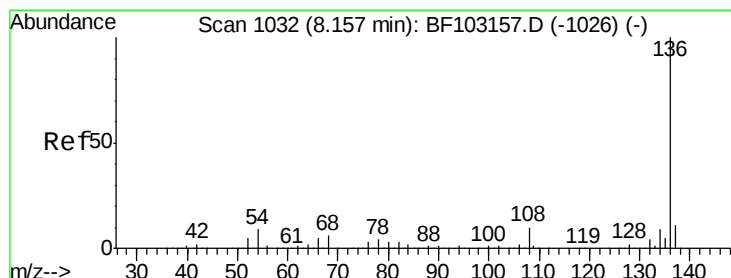
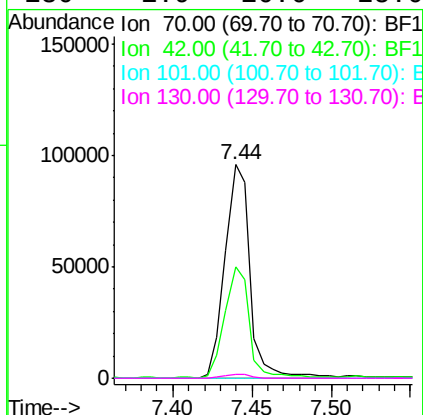




#19
n-Nitroso-di-n-propylamine
Concen: 12.536 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

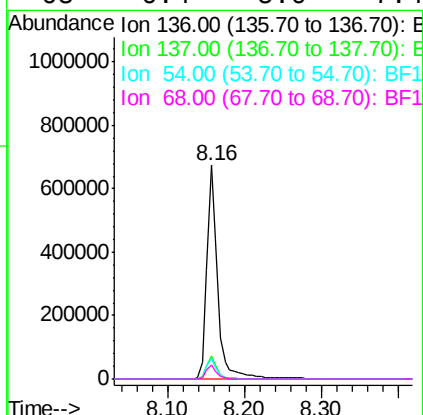
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

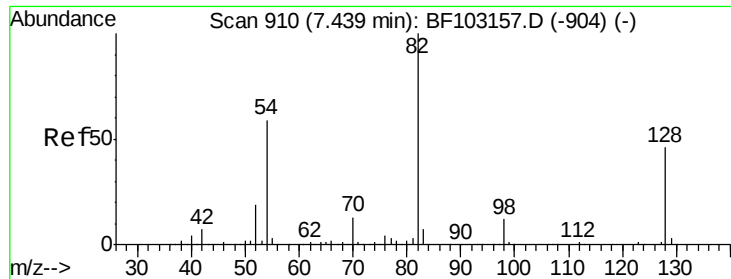
Tot Ion: 70 Resp: 105773
Ion Ratio Lower Upper
70 100
42 52.2 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion: 136 Resp: 657233
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.3 6.6 9.8
68 6.4 5.0 7.4

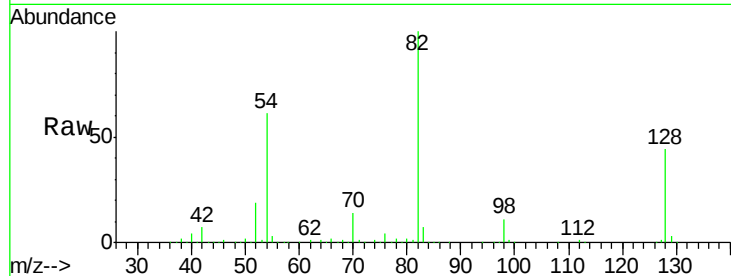




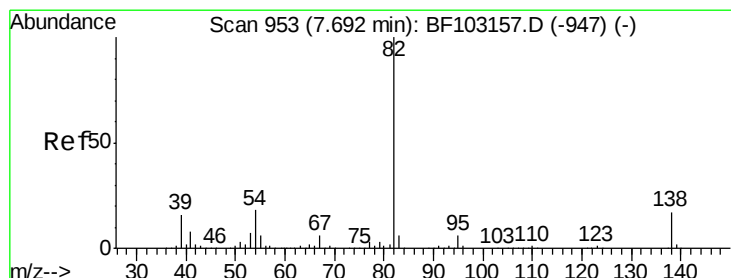
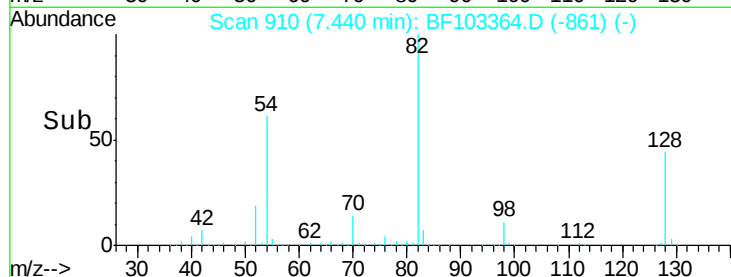
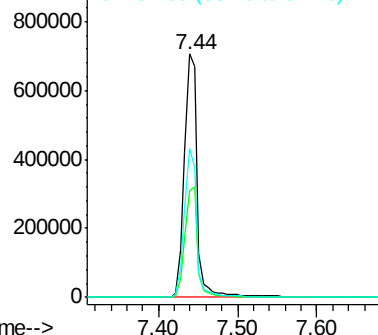
#23
 Nitrobenzene-d5
 Concen: 69.526 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

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

Tot Ion: 82 Resp: 800138
 Ion Ratio Lower Upper
 82 100
 128 44.0 36.1 54.1
 54 61.2 41.4 62.2

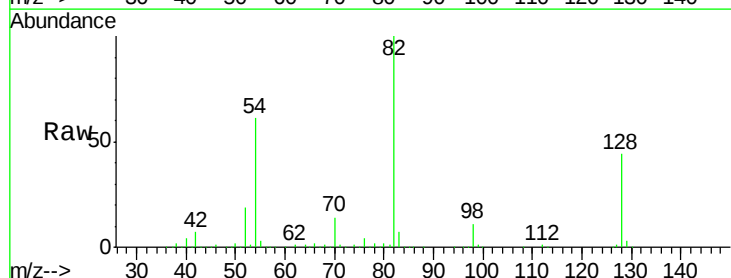


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

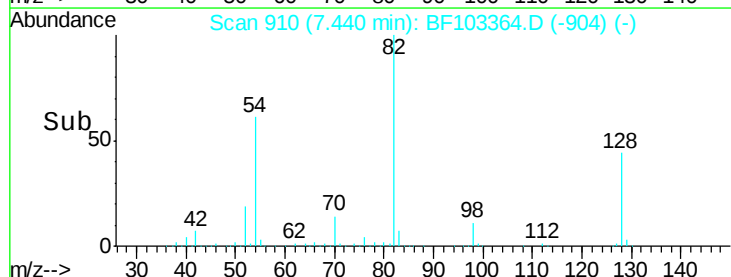
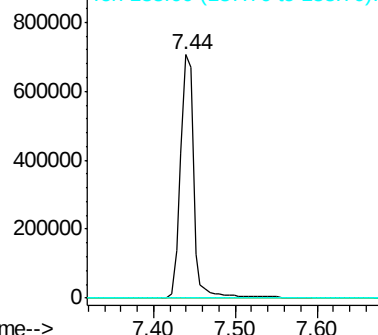


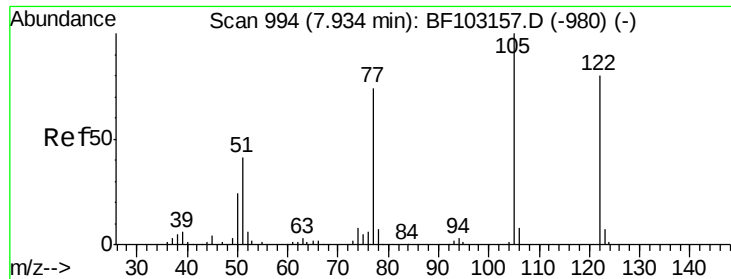
#25
 Isophorone
 Concen: 35.301 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Tgt Ion: 82 Resp: 800134
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

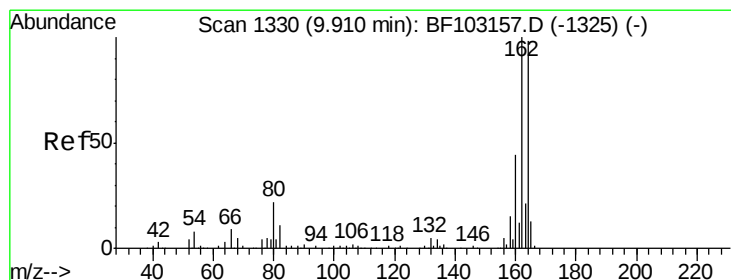
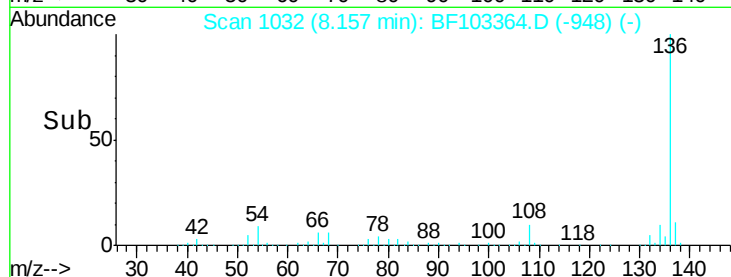
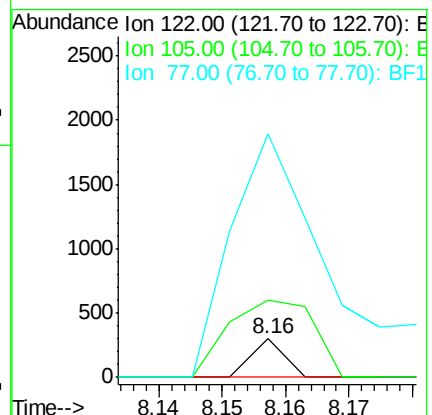
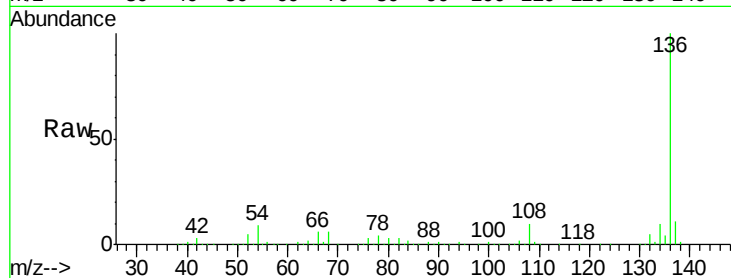




#32
Benzoic acid
Concen: 6.927 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.19 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

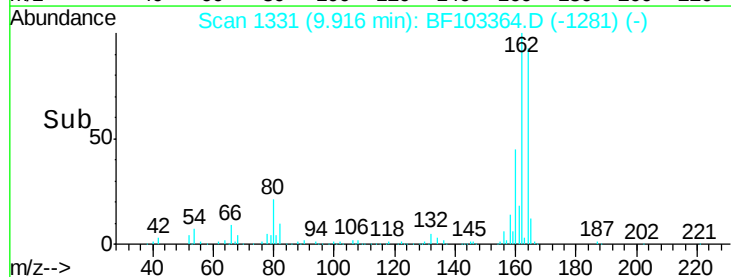
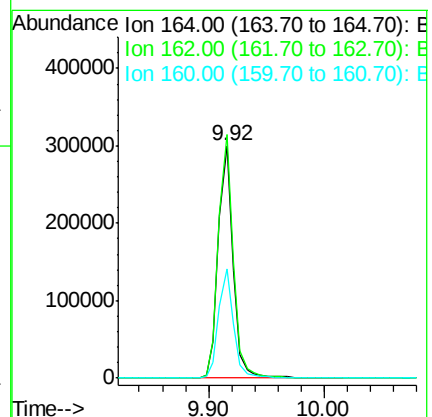
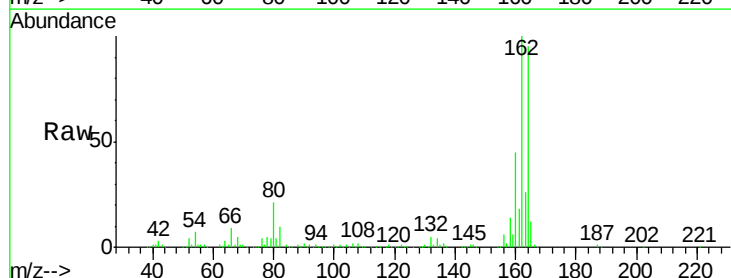
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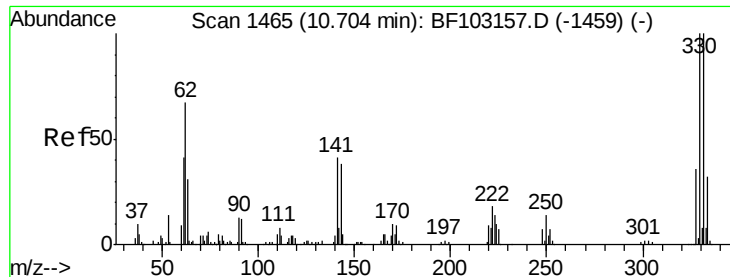
Tot Ion:122 Resp: 106
Ion Ratio Lower Upper
122 100
105 200.3 101.1 141.1#
77 631.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion:164 Resp: 269523
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 47.0 38.3 57.5

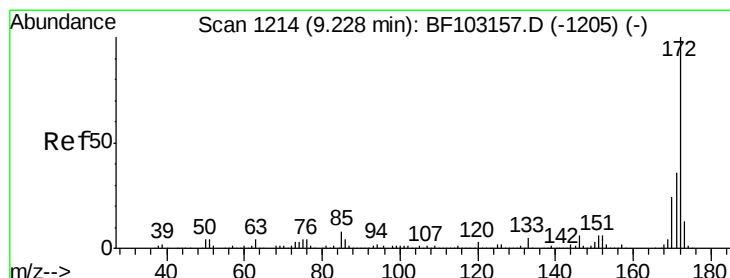
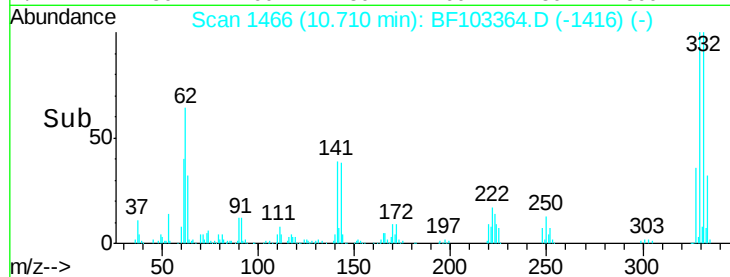
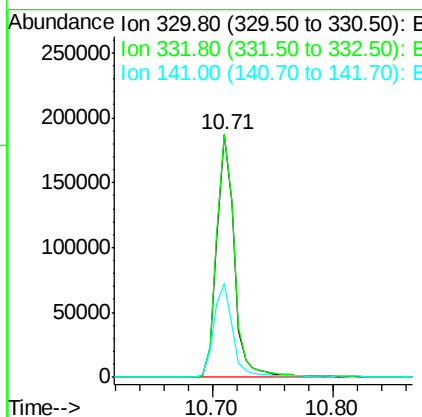
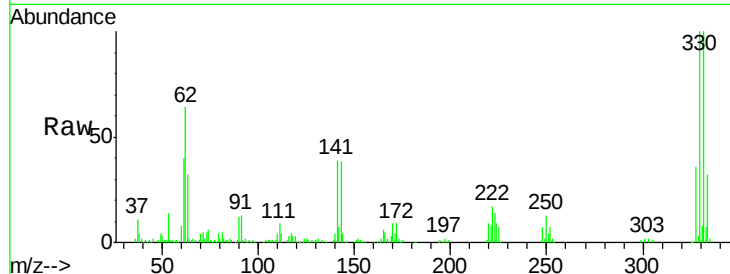




#41
 2,4,6-Tribromophenol
 Concen: 82.383 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

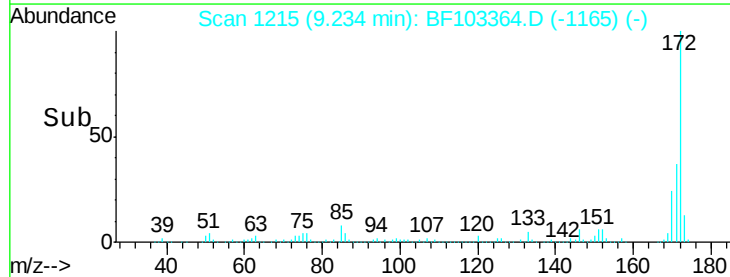
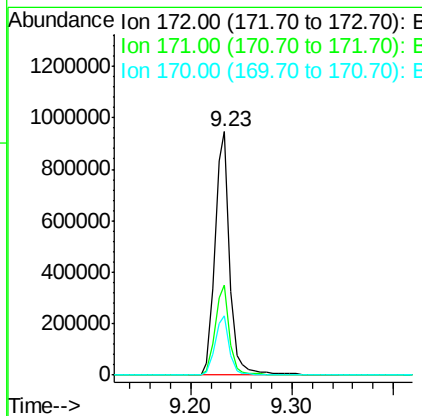
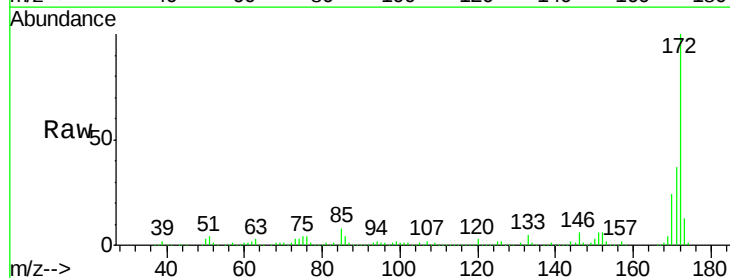
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 PL-01-022818-D

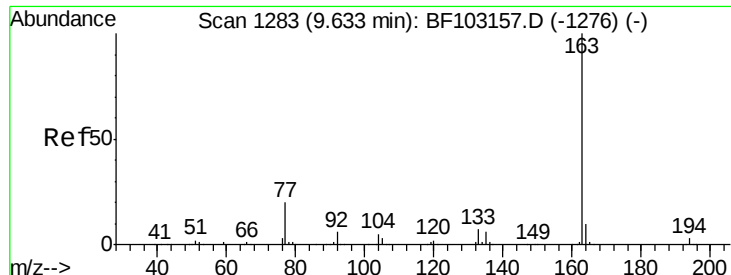
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	77.0	115.6
141	42.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 56.390 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.1	19.6	29.4

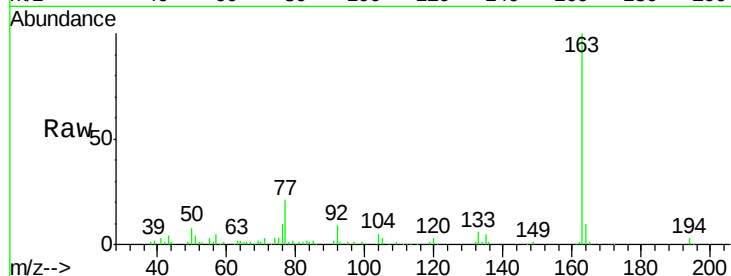




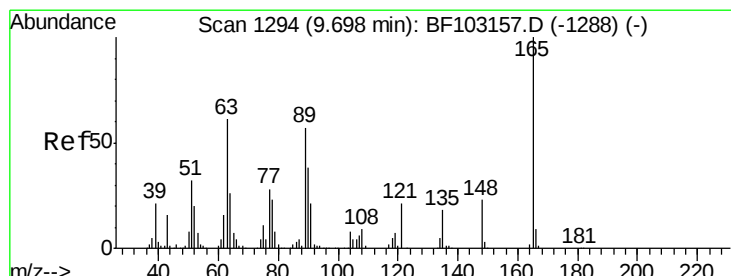
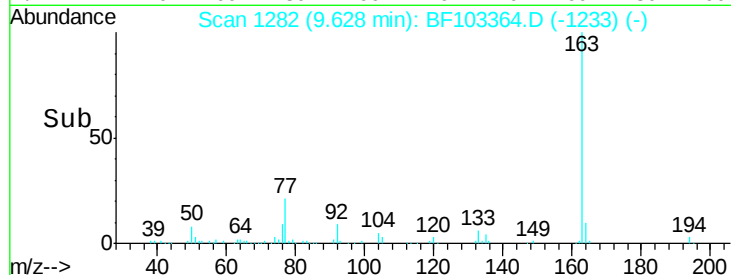
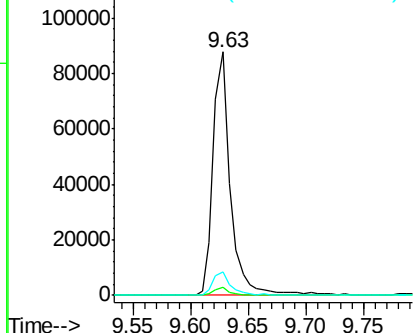
#49
Dimethylphthalate
Concen: 4.262 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

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

Tot Ion:163 Resp: 92151
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 8.2 12.2

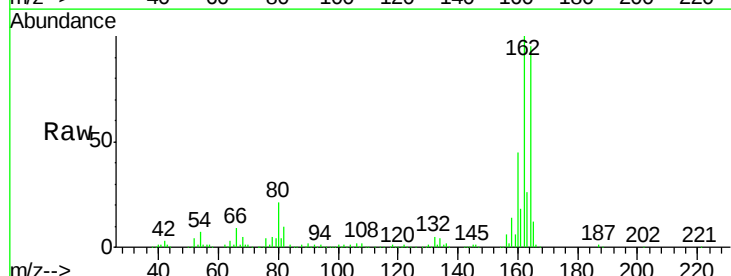


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

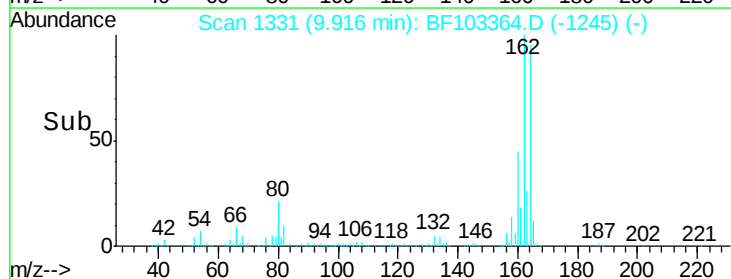
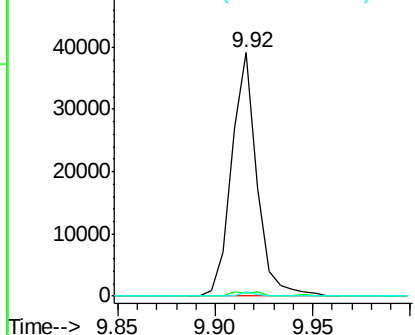


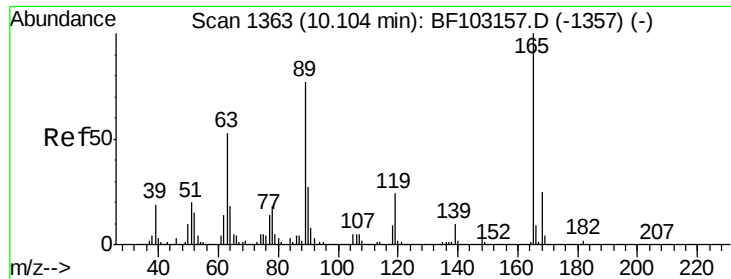
#50
2,6-Dinitrotoluene
Concen: 7.700 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion:165 Resp: 34939
Ion Ratio Lower Upper
165 100
63 1.3 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

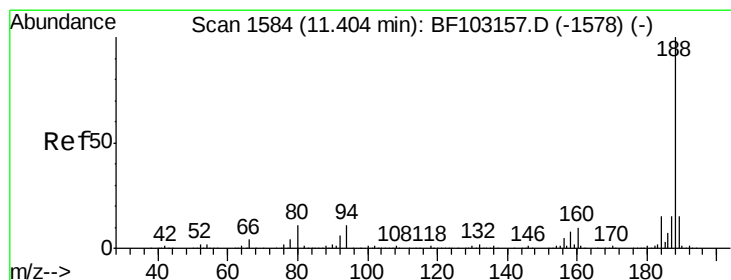
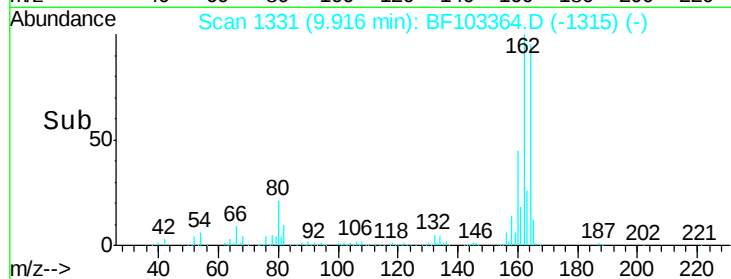
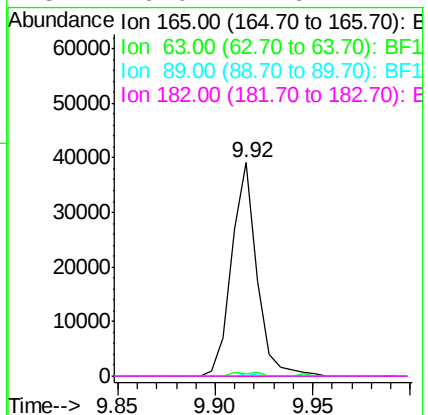
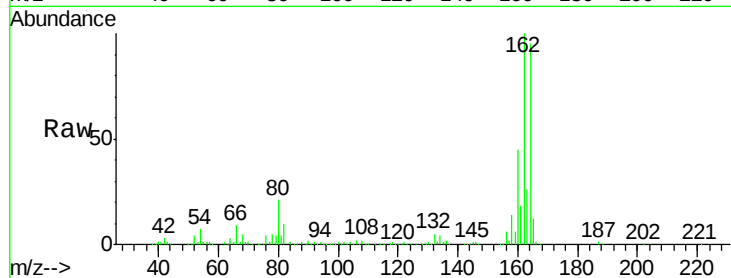




#56
 2,4-Dinitrotoluene
 Concen: 6.088 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.21 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

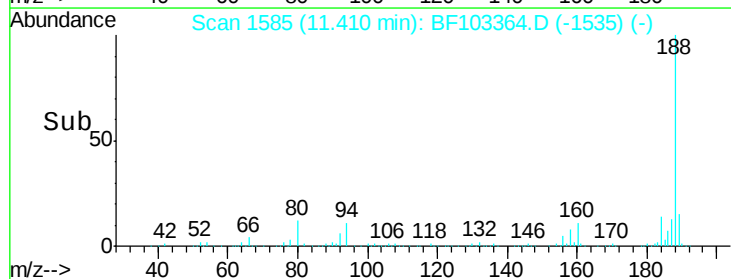
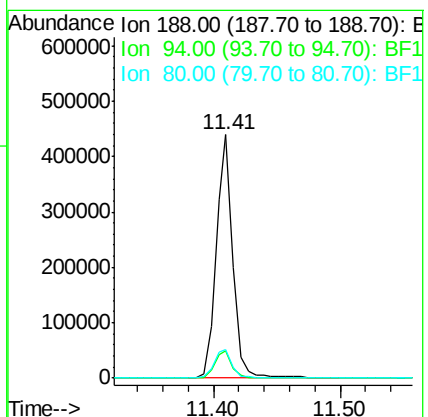
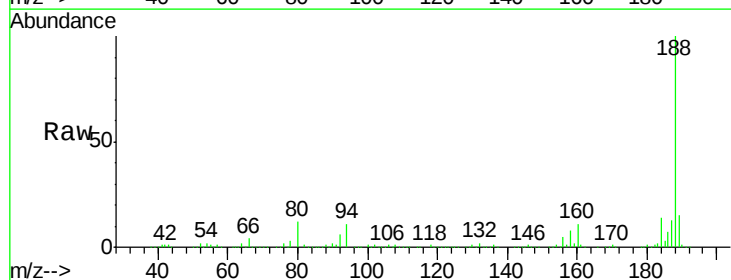
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-D

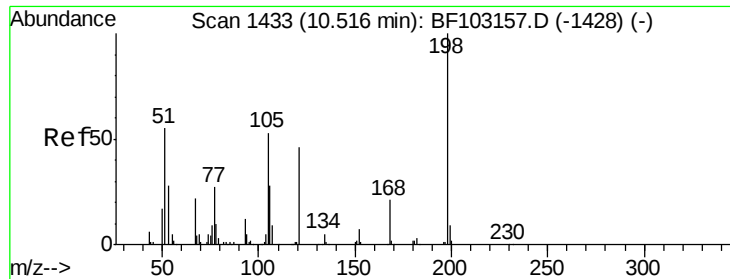
Tot Ion:165 Resp: 34939
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Tgt Ion:188 Resp: 401178
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.9 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.100 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-D

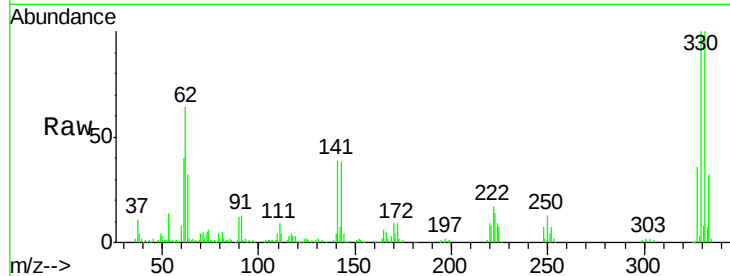
Tot Ion:198 Resp: 422

Ion Ratio Lower Upper

198 100

51 309.1 37.7 77.7#

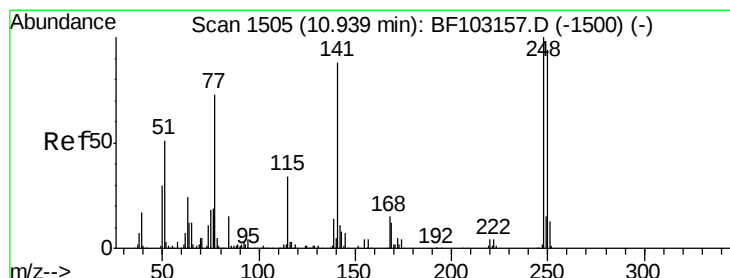
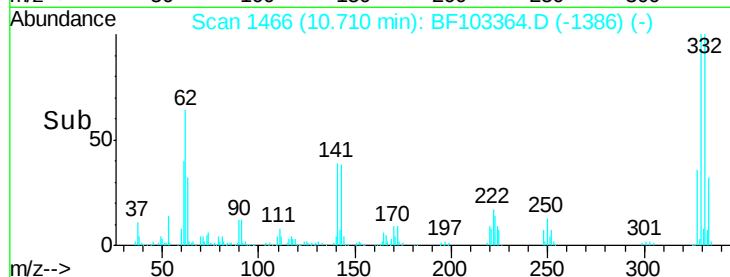
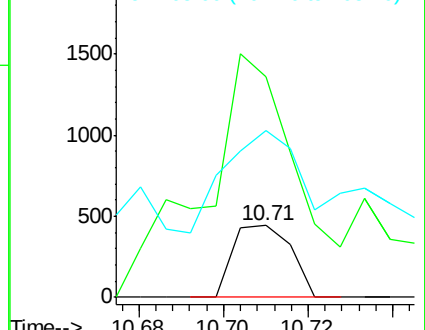
105 232.7 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 2.994 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

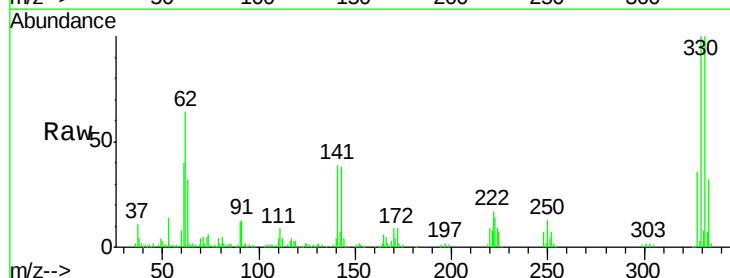
Tgt Ion:248 Resp: 12511

Ion Ratio Lower Upper

248 100

250 196.5 76.9 115.3#

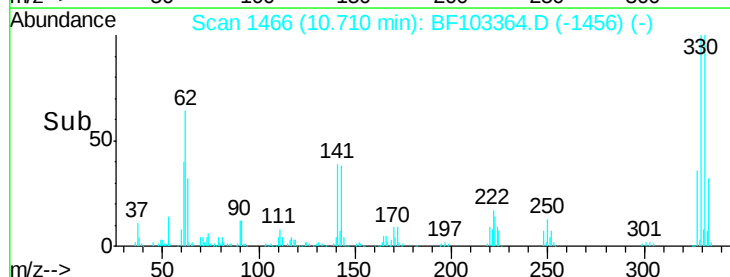
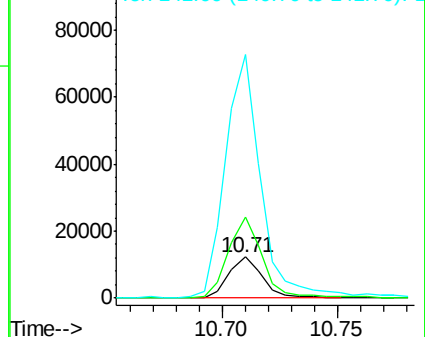
141 591.0 74.4 111.6#

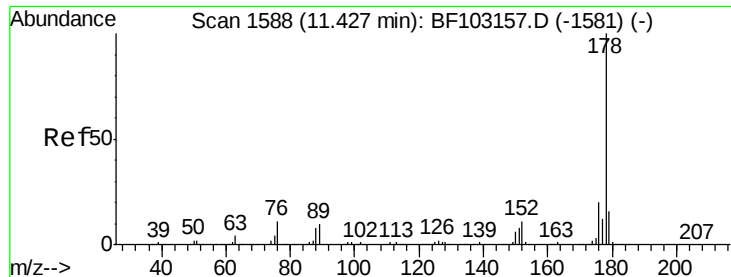


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

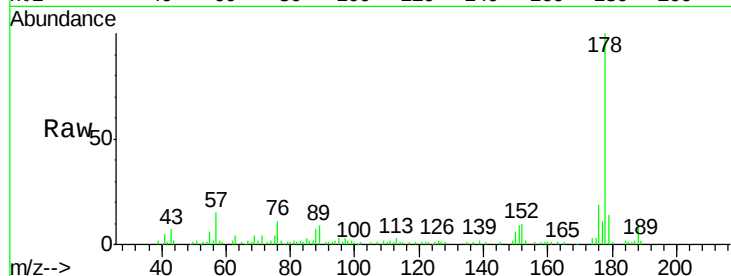




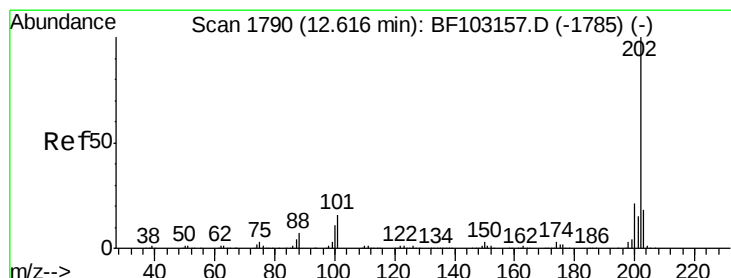
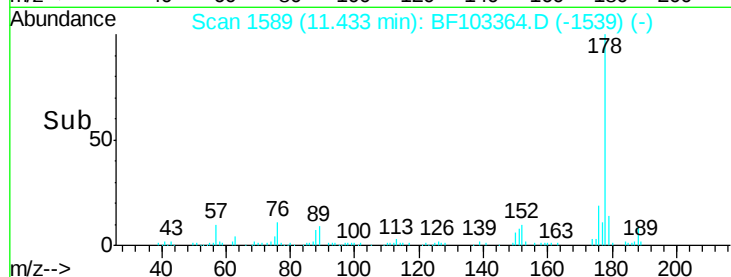
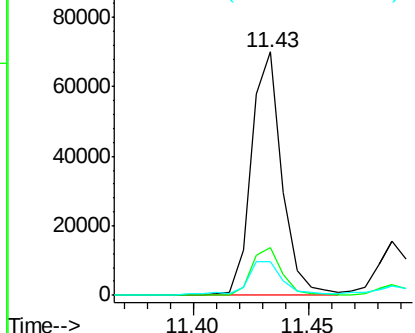
#70
 Phenanthrene
 Concen: 2.929 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

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

Tot Ion:178 Resp: 64670
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 14.1 13.0 19.6

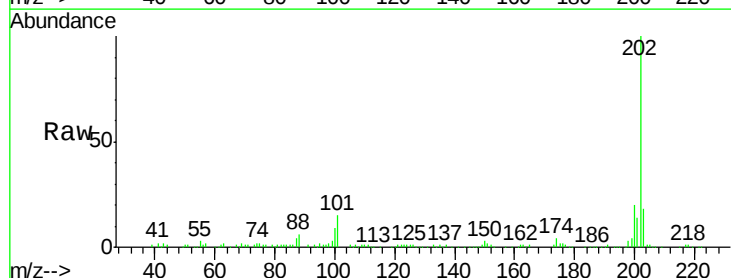


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

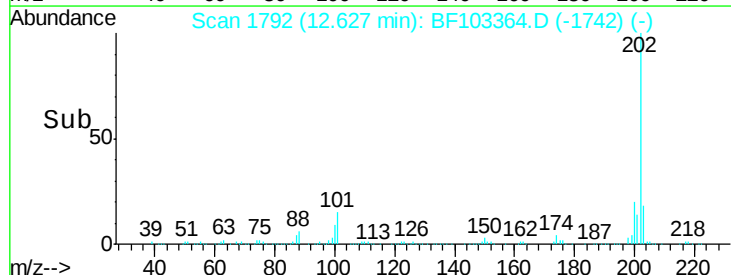
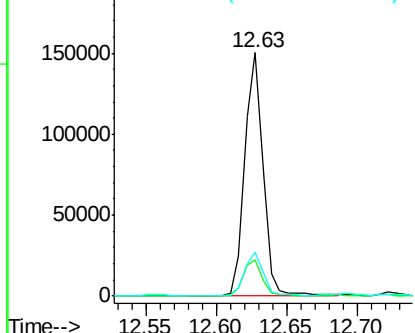


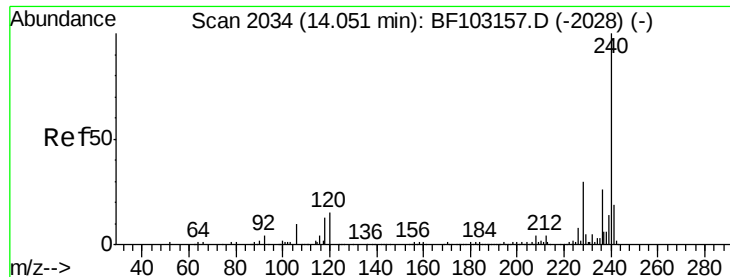
#74
 Fluoranthene
 Concen: 6.194 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Tgt Ion:202 Resp: 137416
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 34.1
 203 18.0 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: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-D

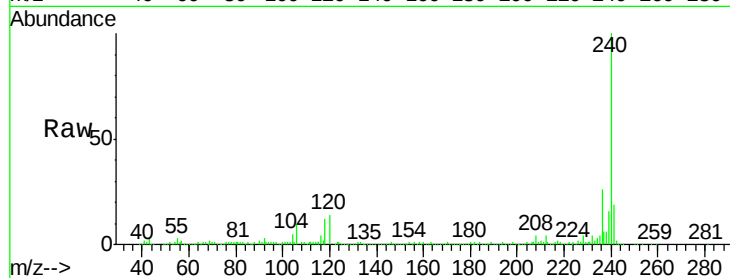
Tot Ion:240 Resp: 263096

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

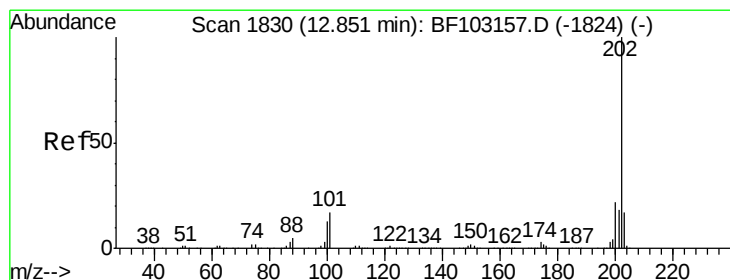
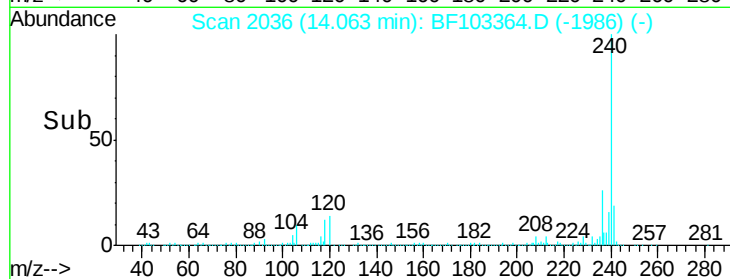
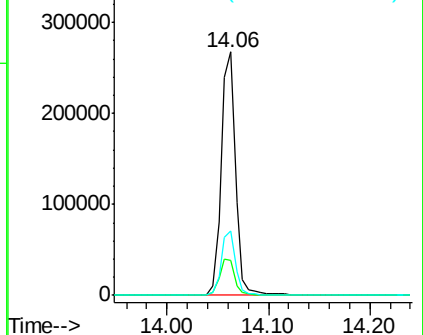
236 26.3 20.7 31.1



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

Pyrene

Concen: 5.829 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

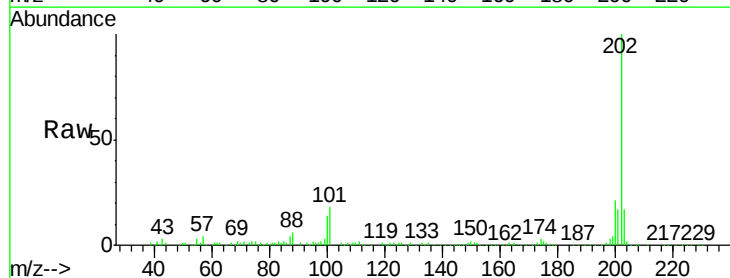
Tgt Ion:202 Resp: 119561

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

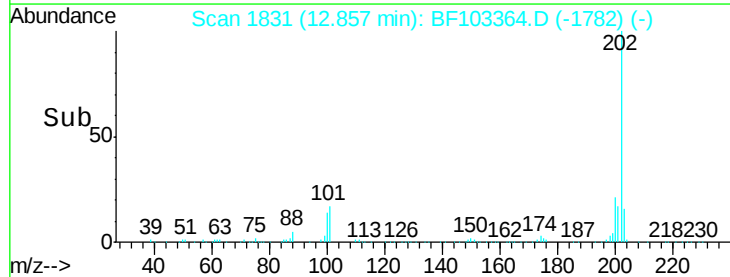
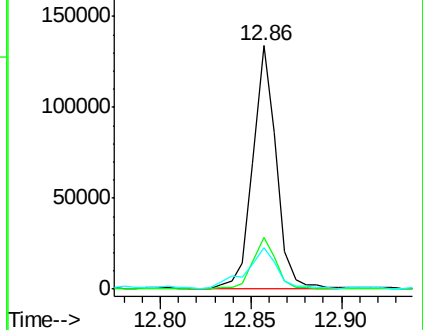
203 16.8 14.3 21.5

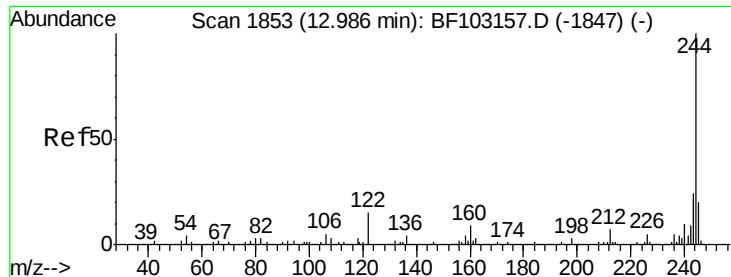


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.567 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-D

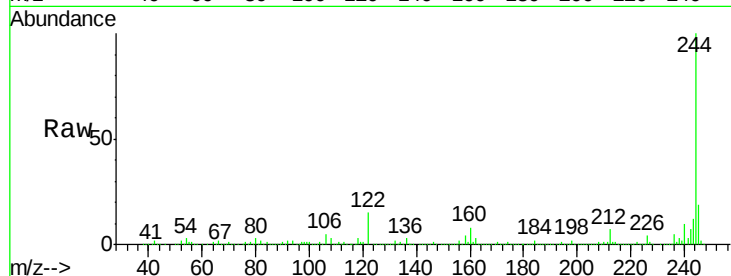
Tot Ion:244 Resp: 575331

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

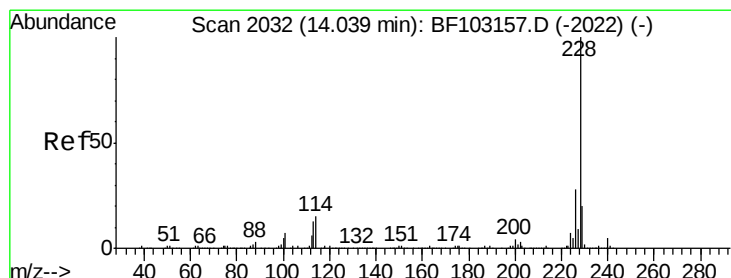
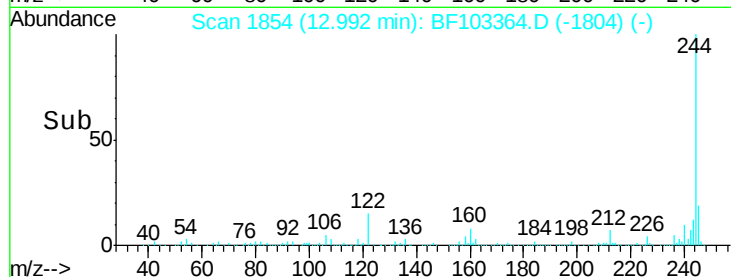
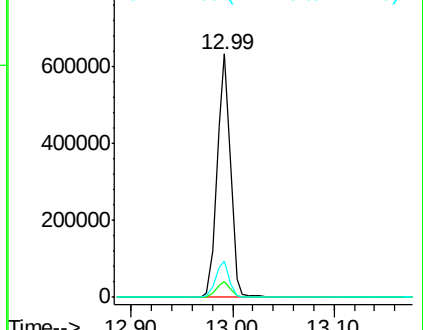
122 14.8 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 3.527 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

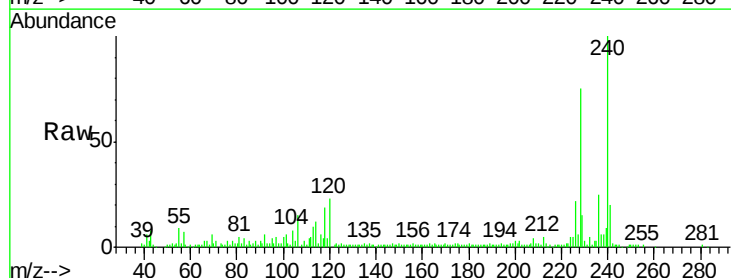
Tgt Ion:228 Resp: 60214

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

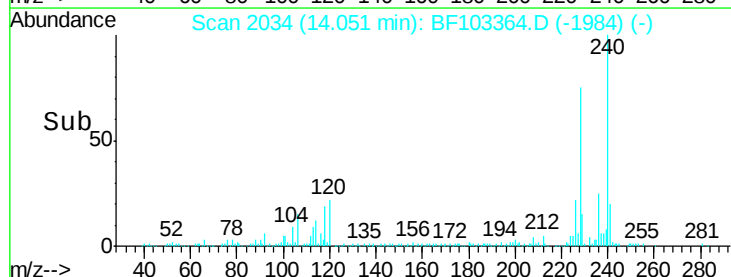
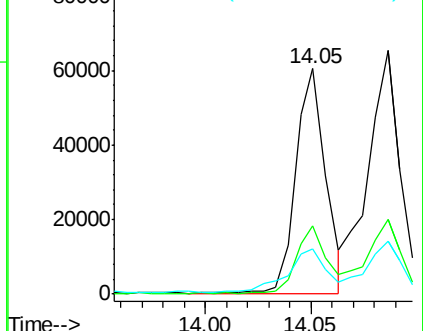
229 20.3 15.8 23.6

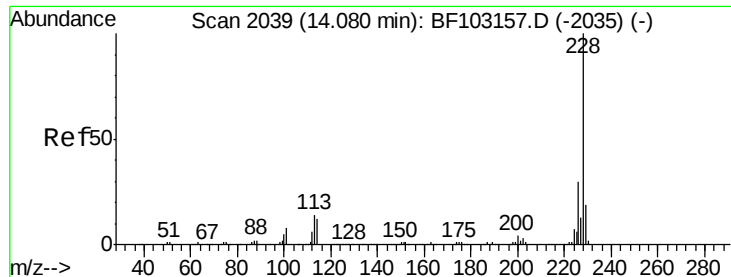


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

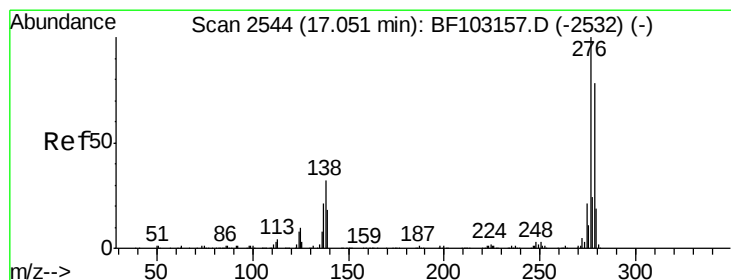
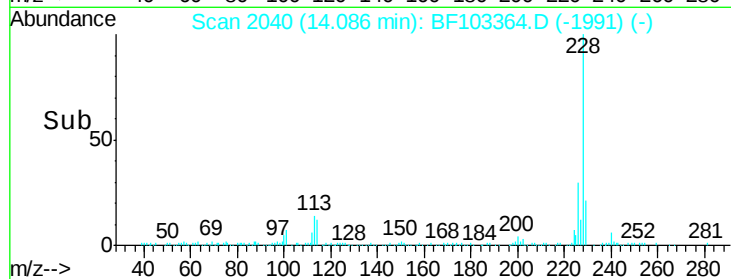
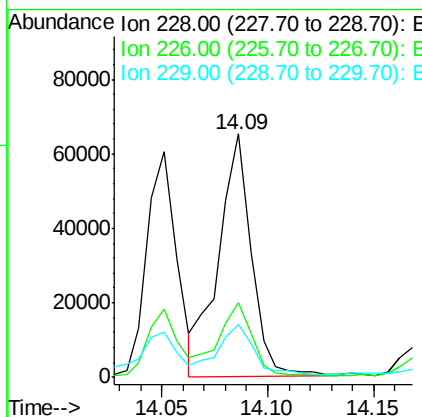
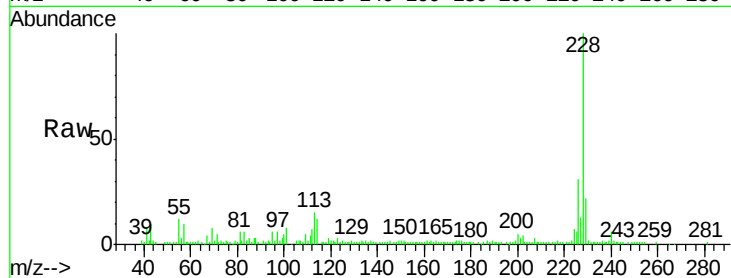




#82
Chrysene
Concen: 4.261 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

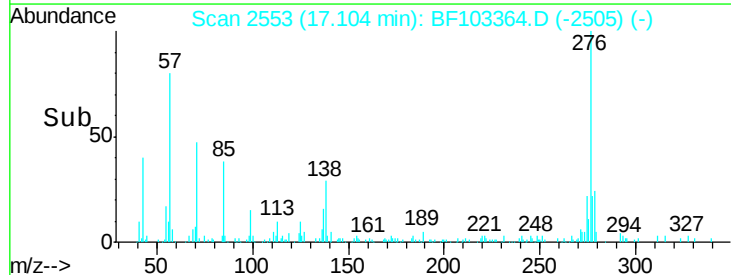
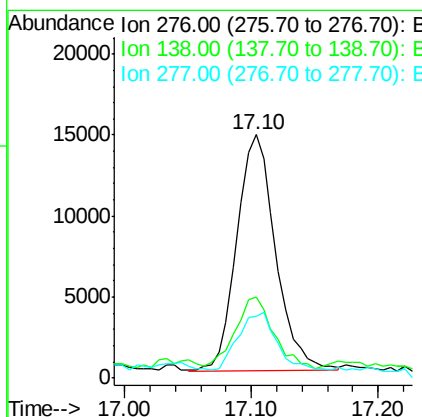
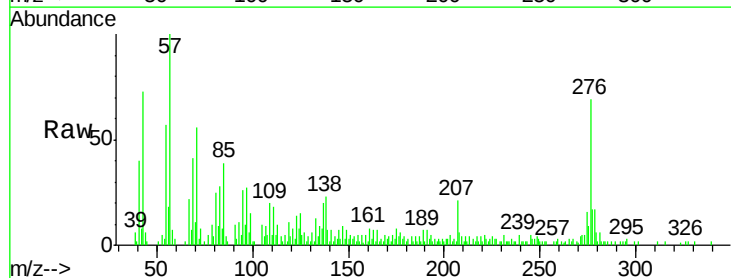
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

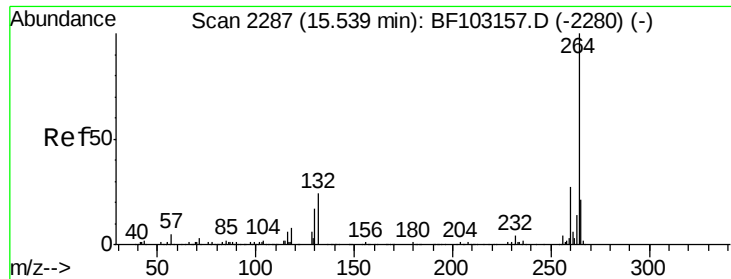
Tot Ion:228 Resp: 70622
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.358 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion:276 Resp: 30940
Ion Ratio Lower Upper
276 100
138 29.9 25.0 37.6
277 24.0 20.1 30.1

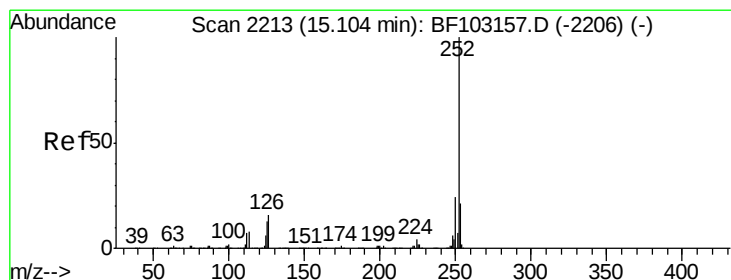
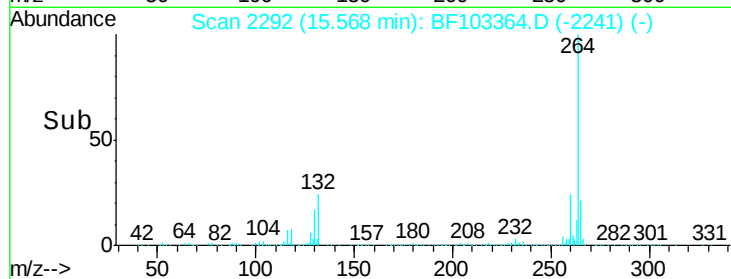
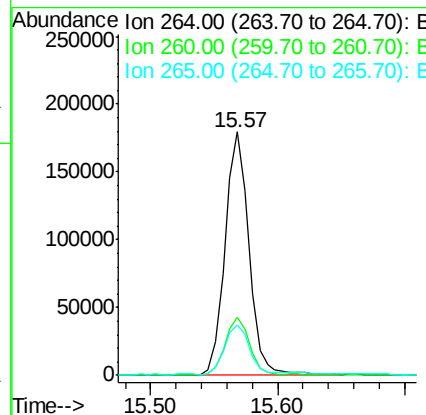
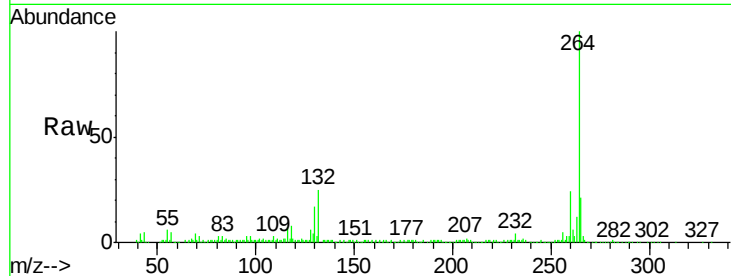




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

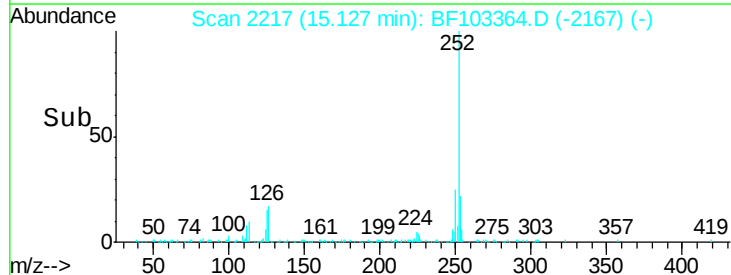
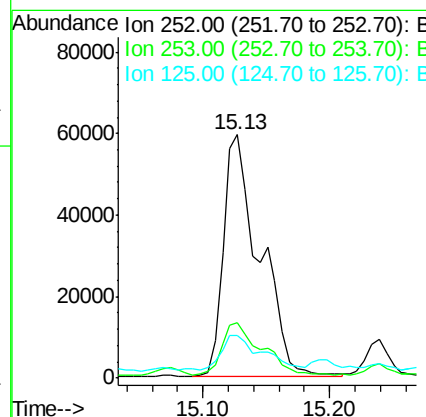
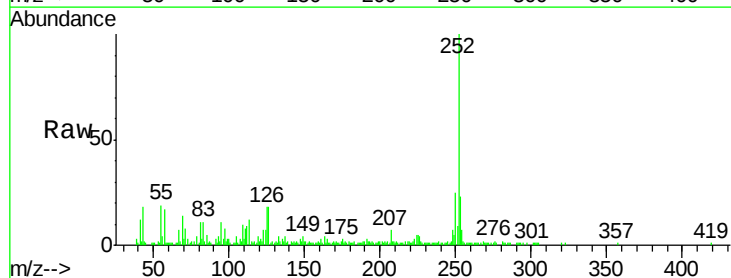
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

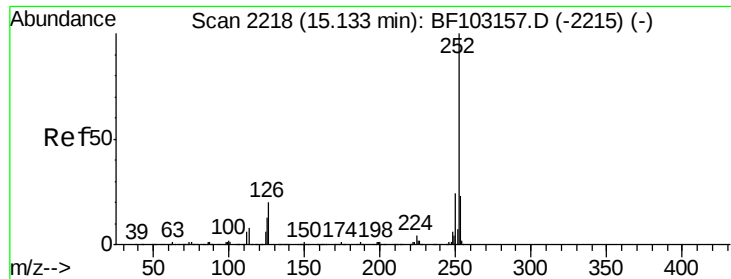
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 7.621 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.6	9.0	13.6

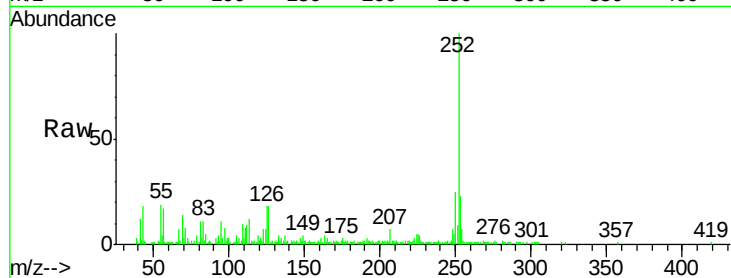




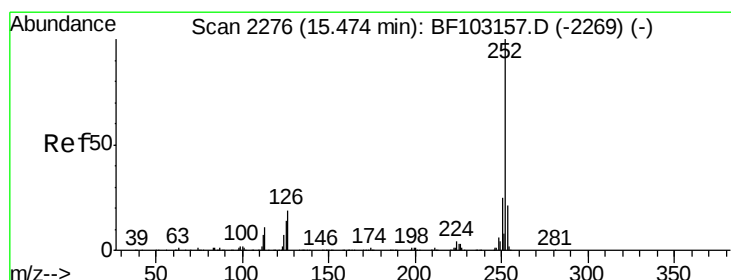
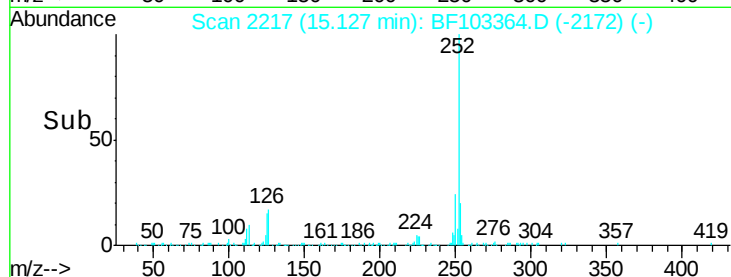
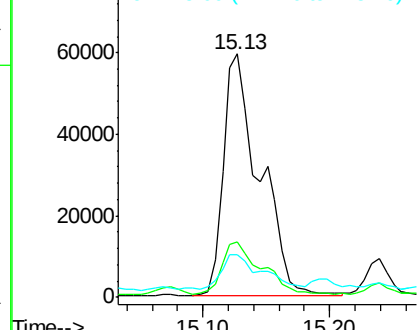
#88
Benzo(k)fluoranthene
Concen: 8.093 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

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

Tot Ion:252 Resp: 118691
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 17.6 10.2 15.2#

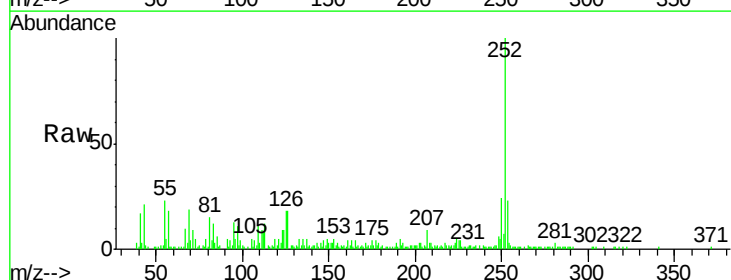


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

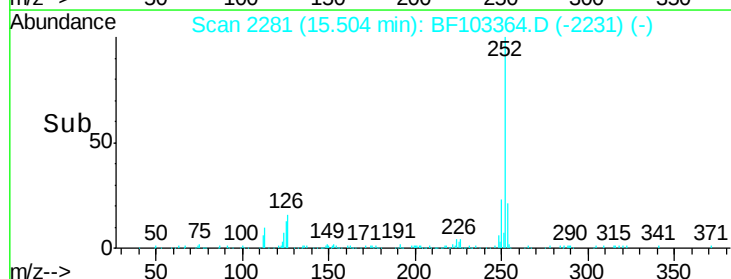
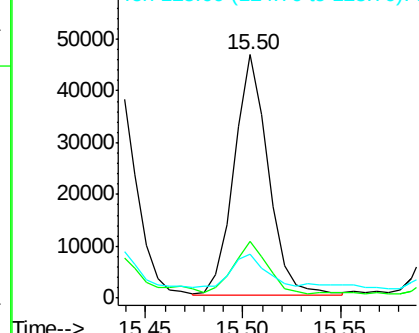


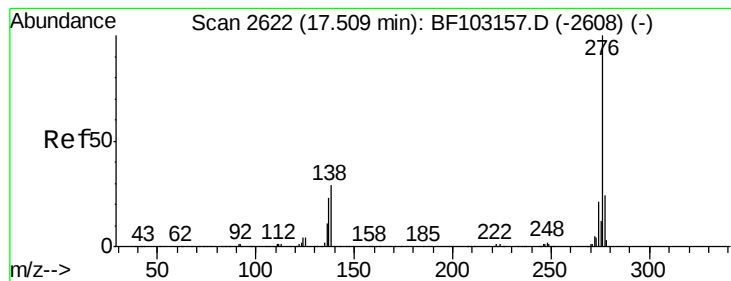
#89
Benzo(a)pyrene
Concen: 4.042 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion:252 Resp: 56210
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 18.2 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: 3.178 ng

RT: 17.57 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-D

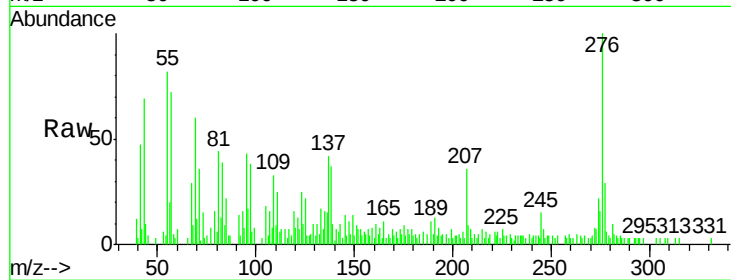
Tot Ion: 276 Resp: 33377

Ion Ratio Lower Upper

276 100

277 29.0 17.9 26.9#

138 37.3 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

