

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103405.D
 Acq On : 5 Mar 2018 13:17
 Operator : SJ/JU
 Sample : J1751-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 13:58:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	138195	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	564286	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	236248	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	337390	20.00	ng	0.00
75) Chrysene-d12	14.06	240	244036	20.00	ng	0.00
86) Perylene-d12	15.58	264	208820	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	840231	91.96	ng	0.00
7) Phenol-d6	6.52	99	1028229	91.96	ng	0.00
23) Nitrobenzene-d5	7.44	82	625180	63.27	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	143390	71.71	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	853760	57.50	ng	0.00
78) Terphenyl-d14	12.99	244	543287	53.52	ng	0.00

Target Compounds

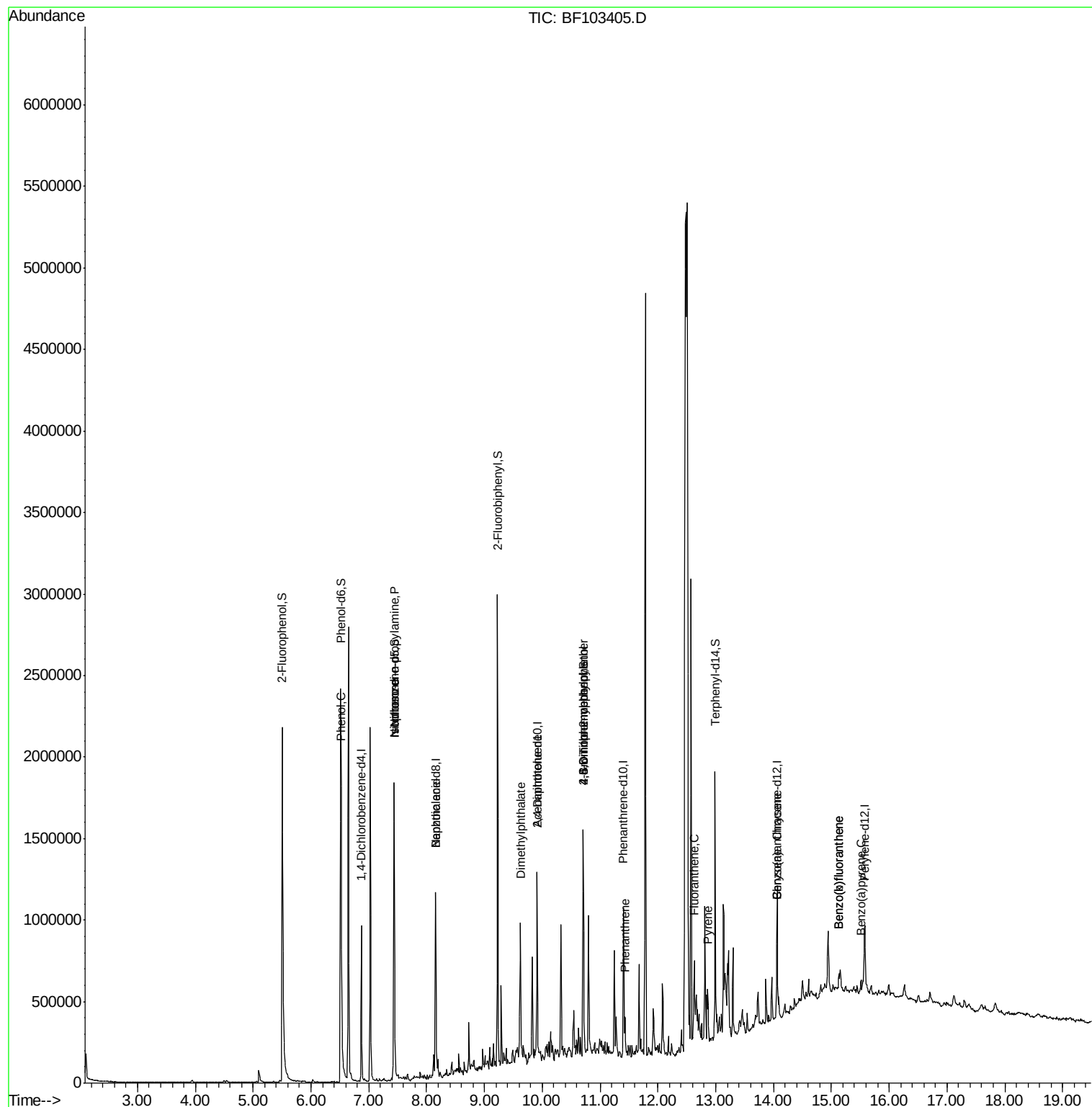
						Qvalue
9) Benzaldehyde	6.52	77	2308	Below Cal	#	1
10) Phenol	6.53	94	41977	3.234 ng	#	59
19) n-Nitroso-di-n-propylamine	7.44	70	86739	12.465 ng	#	83
25) Isophorone	7.44	82	624992	32.116 ng	#	64
32) Benzoic acid	8.15	122	114	6.931 ng	#	1
49) Dimethylphthalate	9.62	163	271932	14.348 ng		99
56) 2,4-Dinitrotoluene	9.91	165	33404	6.641 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	652	5.230 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	10173	2.894 ng	#	1
70) Phenanthrene	11.43	178	67720	3.647 ng		99
74) Fluoranthene	12.63	202	118297	6.340 ng		97
77) Pylene	12.86	202	111012	5.835 ng		98
80) Benzo(a)anthracene	14.05	228	52236	3.299 ng		96
82) Chrysene	14.05	228	52236	3.398 ng		94
87) Benzo(b)fluoranthene	15.13	252	73327	5.341 ng	#	81
88) Benzo(k)fluoranthene	15.13	252	73327	5.672 ng	#	84
89) Benzo(a)pyrene	15.52	252	36368	2.966 ng	#	79

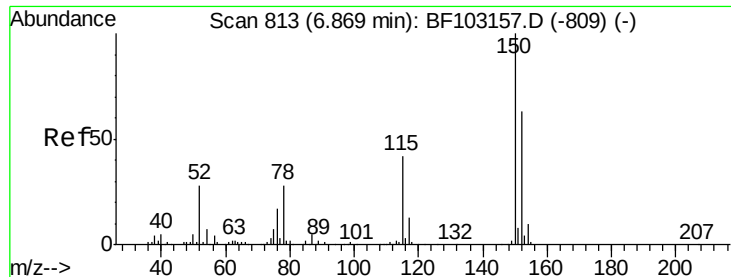
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
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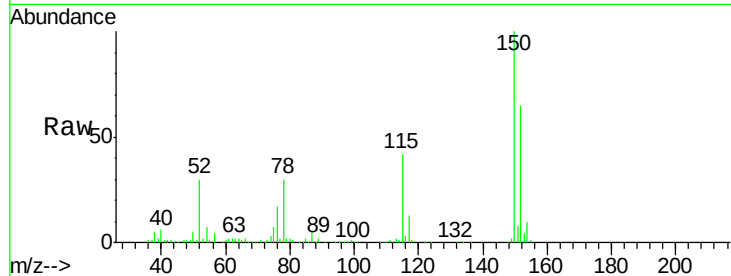


#1

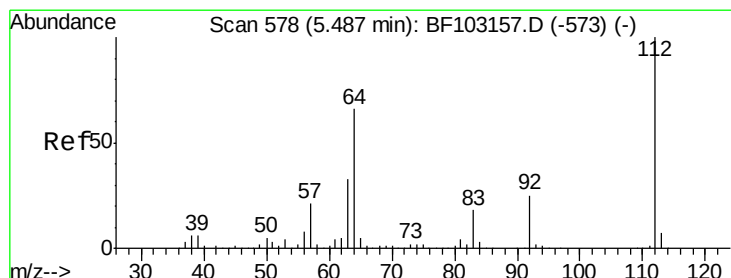
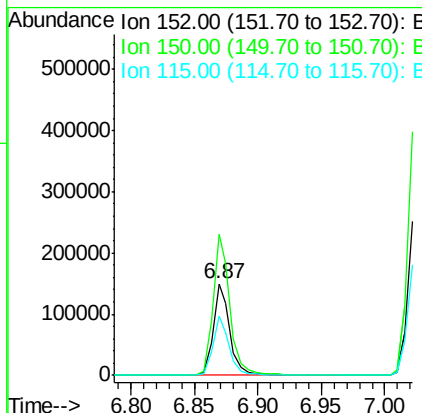
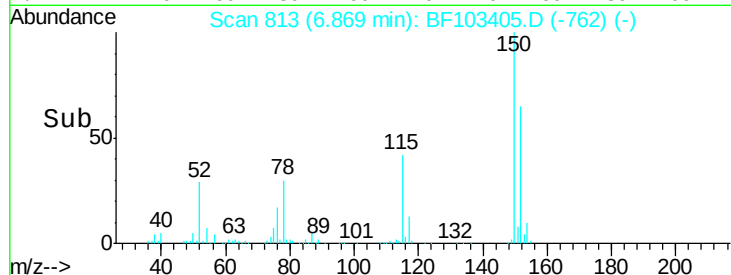
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	138195
Ion Ratio	Lower	Upper	
152	100		
150	154.8	124.6	186.8
115	64.5	50.1	75.1



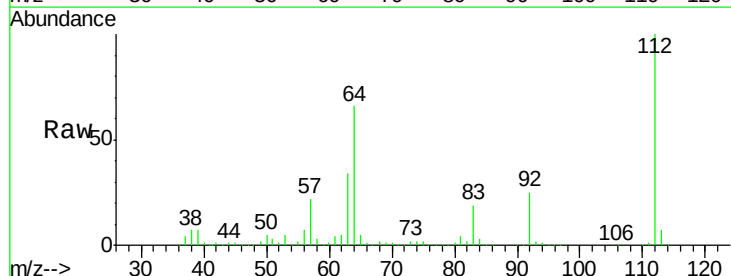
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



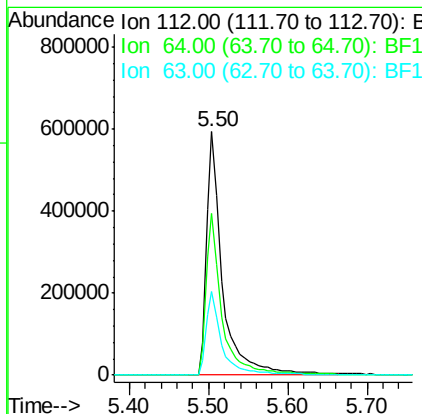
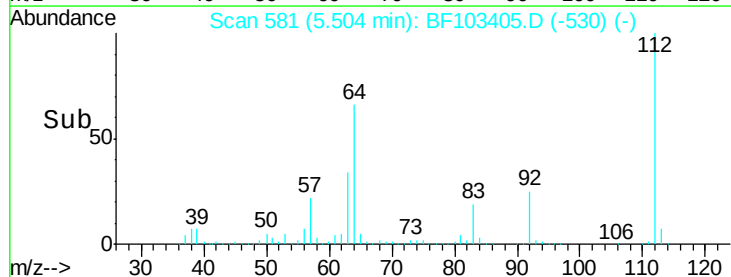
#5

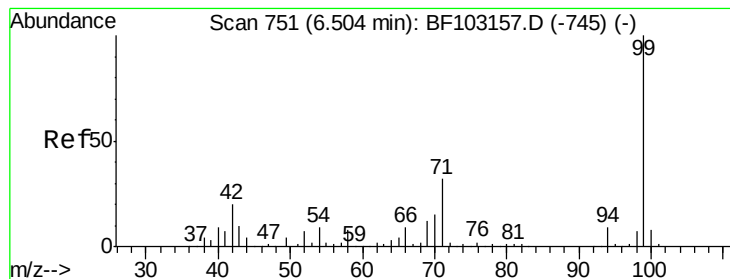
2-Fluorophenol
Concen: 91.956 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion	112	Resp	840231
Ion Ratio	Lower	Upper	
112	100		
64	66.2	47.9	71.9
63	34.2	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: 91.963 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

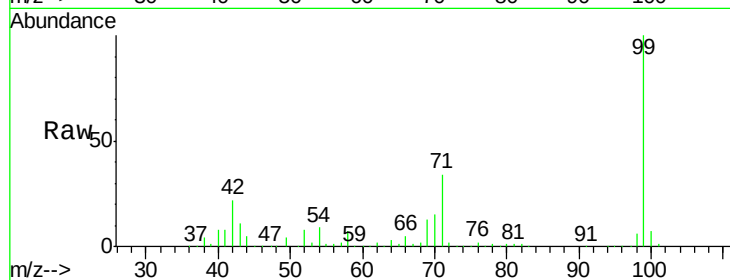
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1028229

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.5	21.7
71	33.5	25.4	38.0

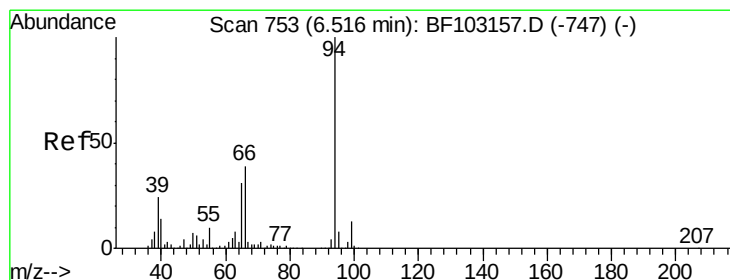
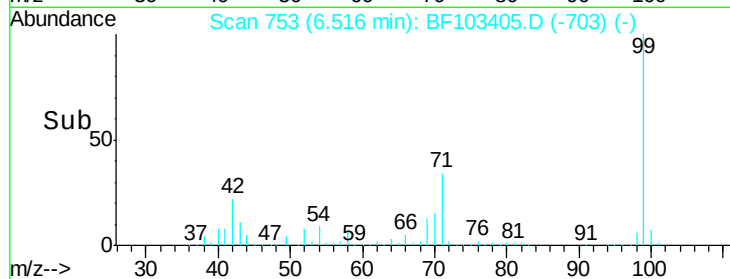


Abundance

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



#10

Phenol

Concen: 3.234 ng

RT: 6.53 min Scan# 755

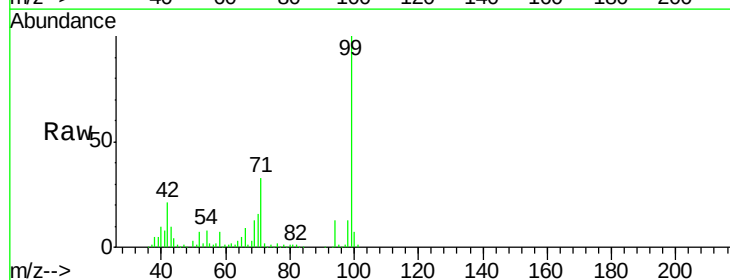
Delta R.T. -0.01 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

Tgt Ion: 94 Resp: 41977

Ion	Ratio	Lower	Upper
94	100		
65	37.6	7.9	47.9
66	70.5	16.2	56.2

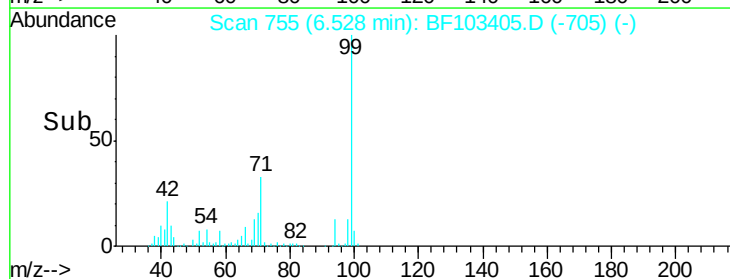


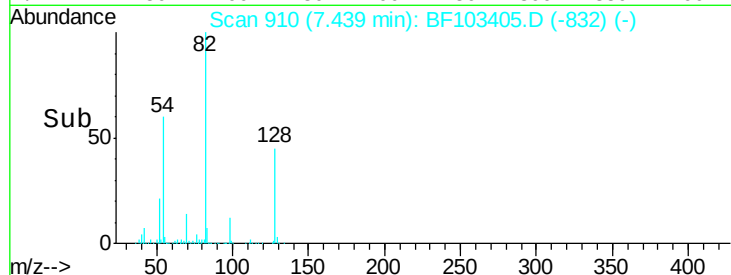
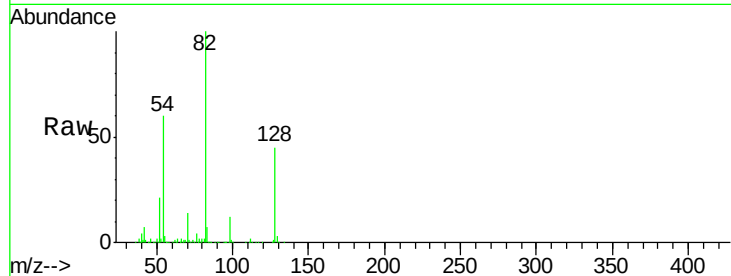
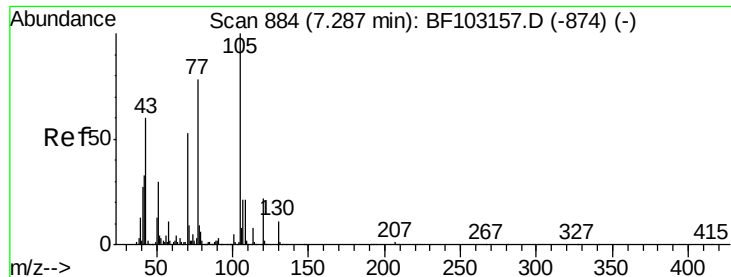
Abundance

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

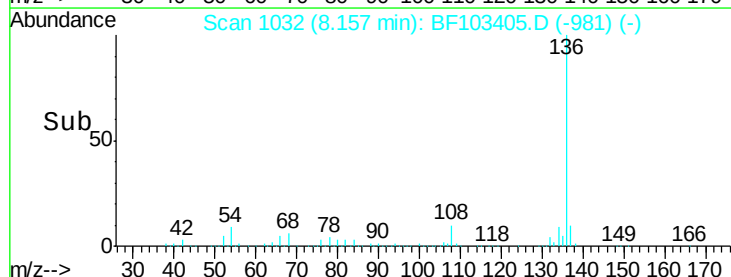
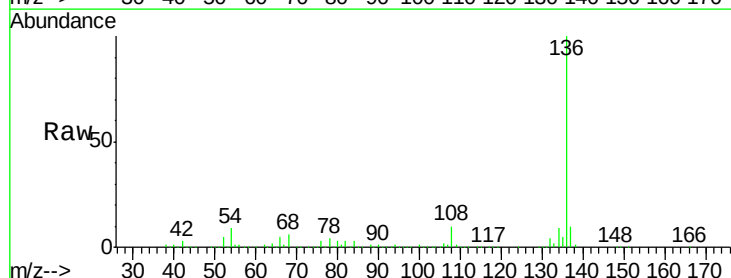
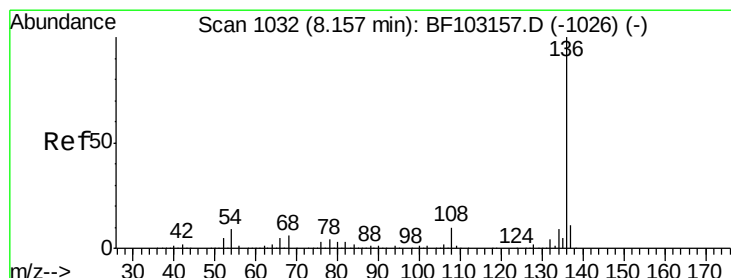
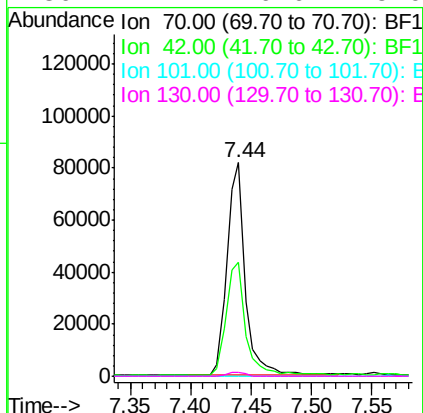




#19
n-Nitroso-di-n-propylamine
Concen: 12.465 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.16 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

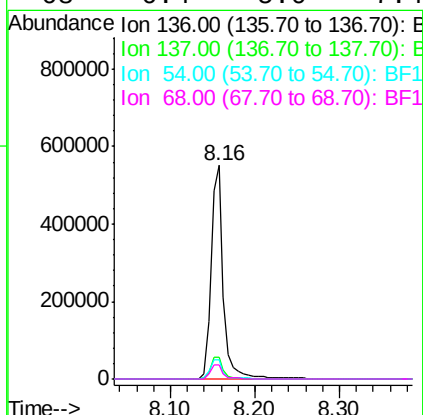
Instrument :
BNA_F
ClientSampleId :

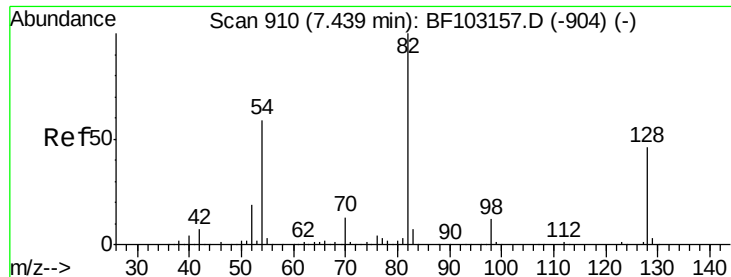
Tot Ion: 70 Resp: 86739
Ion Ratio Lower Upper
70 100
42 53.5 47.5 71.3
101 0.0 7.4 11.2#
130 1.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion: 136 Resp: 564286
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 8.8 6.6 9.8
68 6.4 5.0 7.4

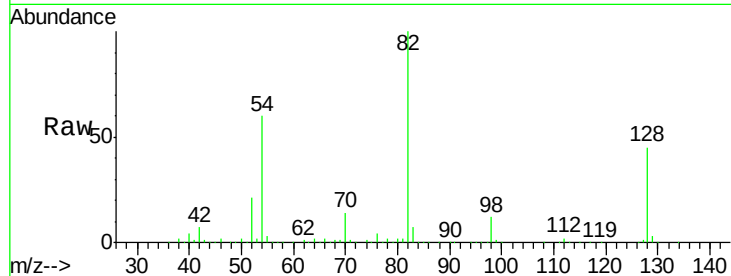




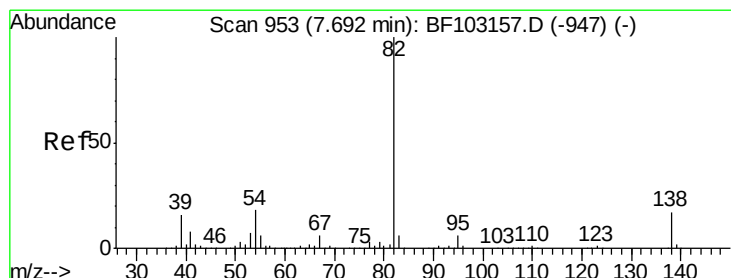
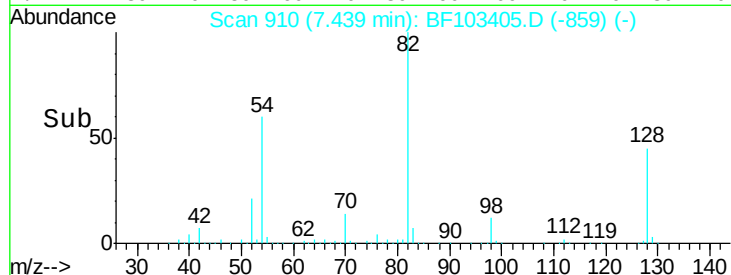
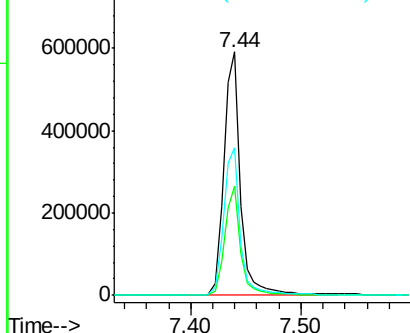
#23
Nitrobenzene-d5
Concen: 63.271 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 625180
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 60.5 41.4 62.2

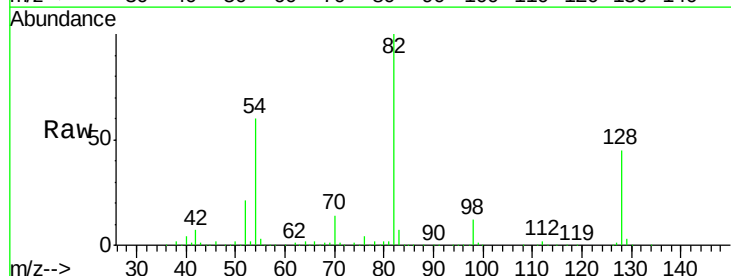


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

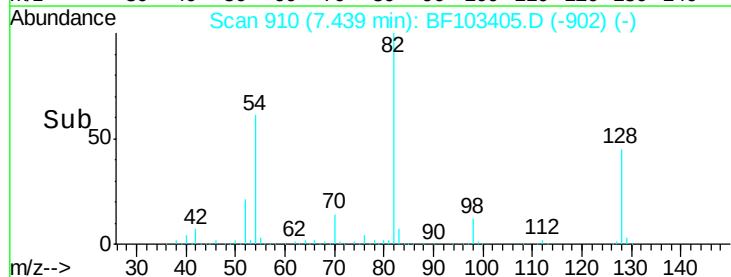
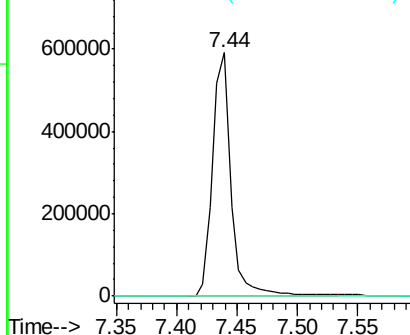


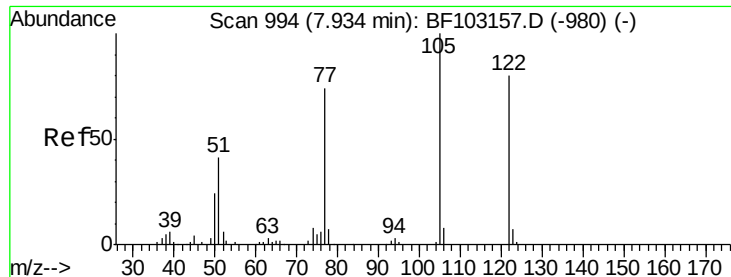
#25
Isophorone
Concen: 32.116 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.25 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion: 82 Resp: 624992
Ion Ratio Lower Upper
82 100
95 0.1 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

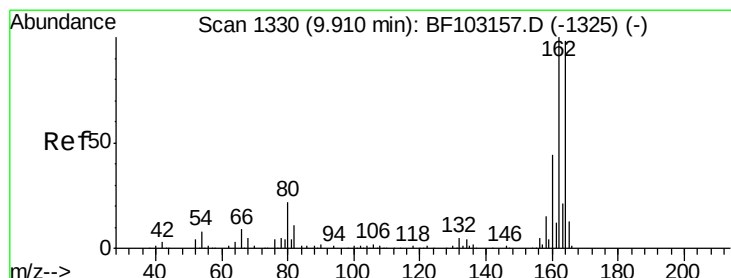
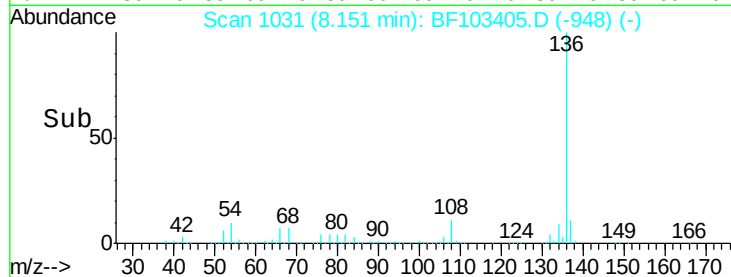
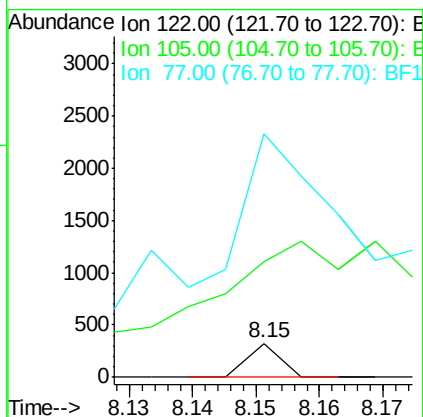
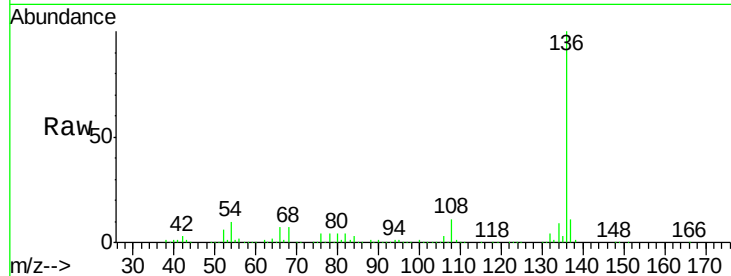




#32
Benzoic acid
Concen: 6.931 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.19 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

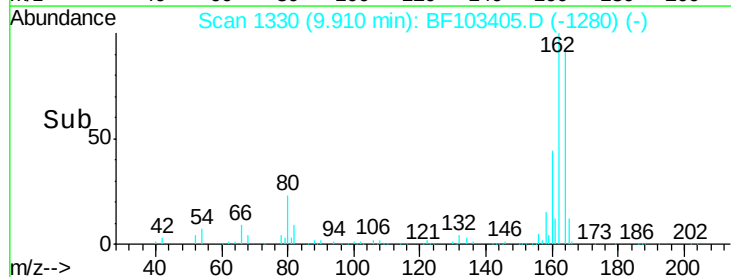
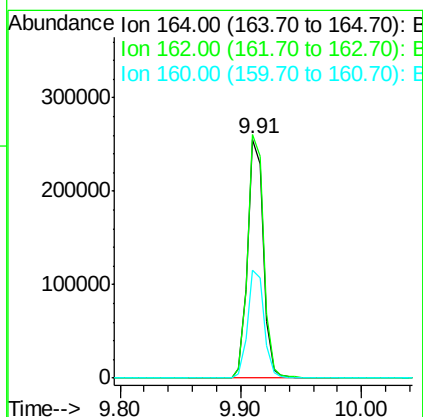
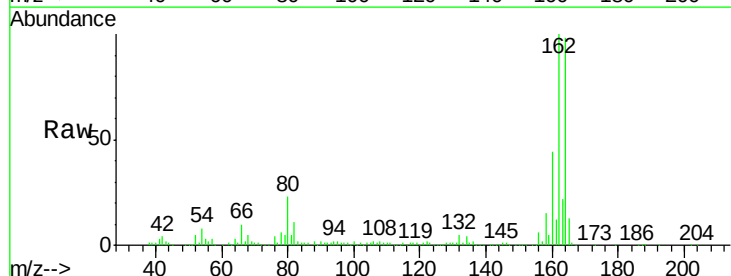
Instrument :
BNA_F
ClientSampled :

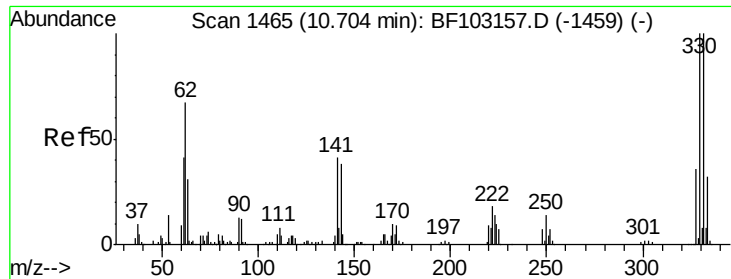
Tot Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 339.5 101.1 141.1#
77 718.8 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion:164 Resp: 236248
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 45.0 38.3 57.5

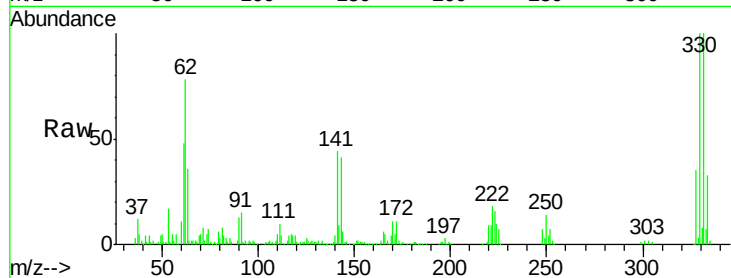




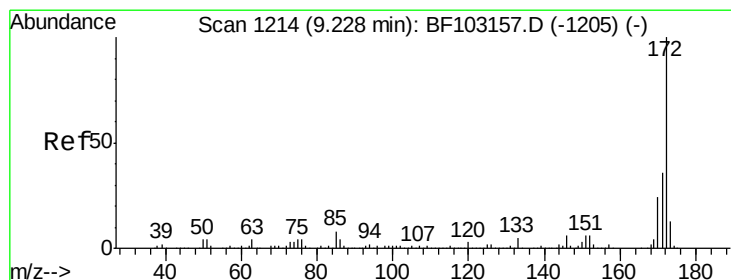
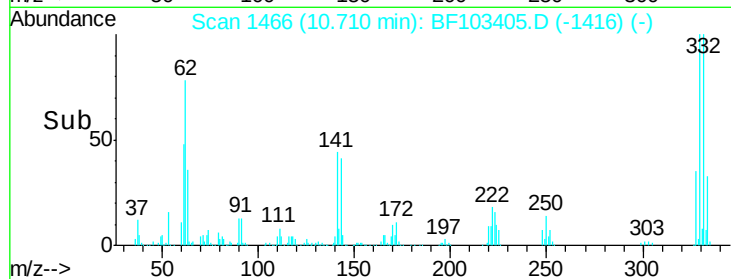
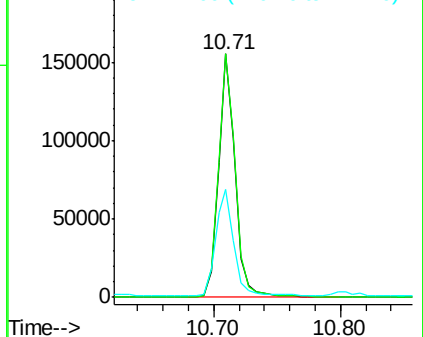
#41
 2,4,6-Tribromophenol
 Concen: 71.705 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103405.D
 Acq: 5 Mar 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 143390
 Ion Ratio Lower Upper
 330 100
 332 102.2 77.0 115.6
 141 48.4 29.9 44.9#

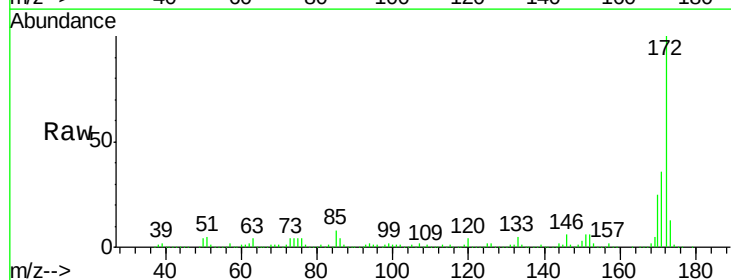


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

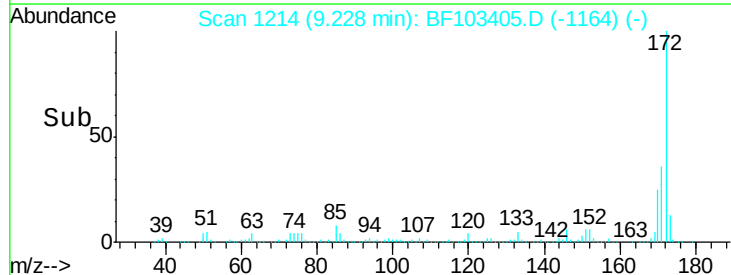
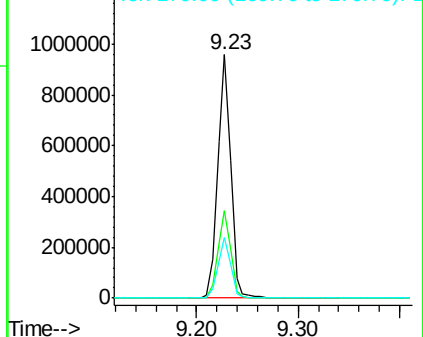


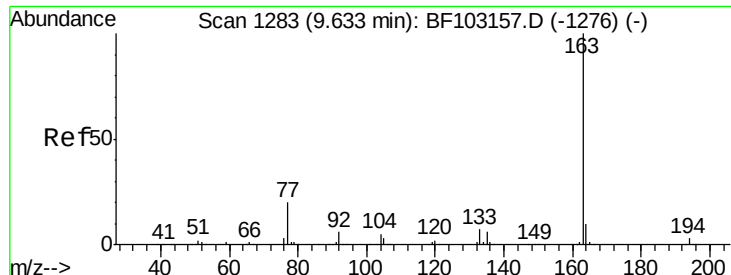
#44
 2-Fluorobiphenyl
 Concen: 57.501 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103405.D
 Acq: 5 Mar 2018 13:17

Tgt Ion:172 Resp: 853760
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.9 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

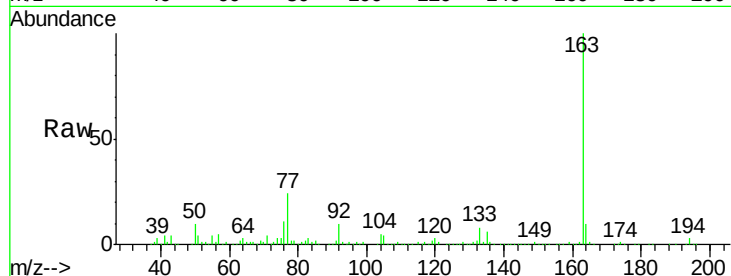




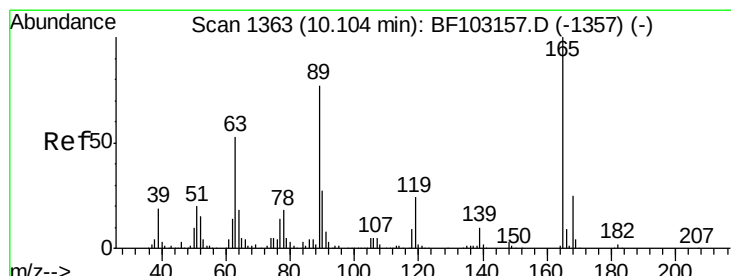
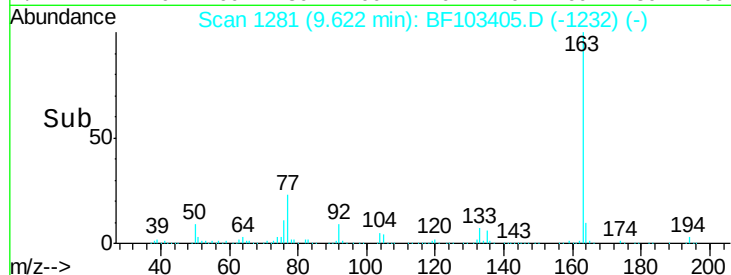
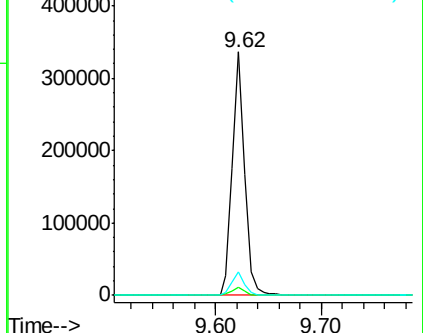
#49
Dimethylphthalate
Concen: 14.348 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 271932
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 8.2 12.2

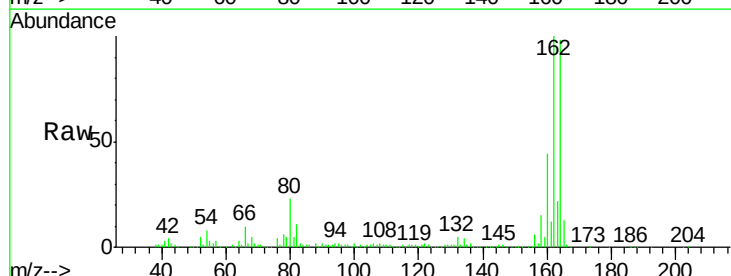


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

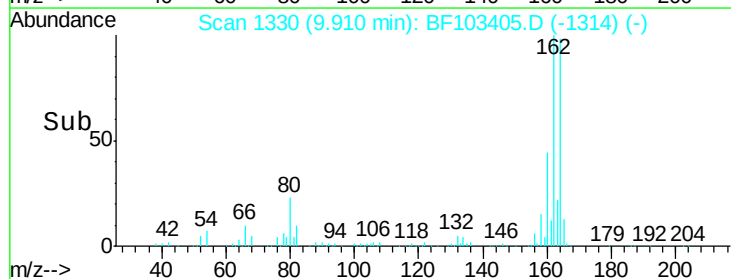
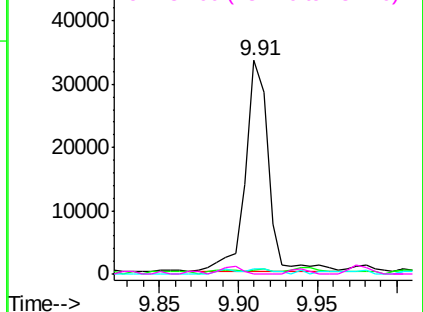


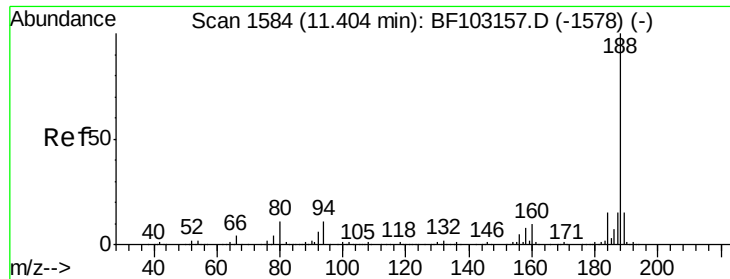
#56
2,4-Dinitrotoluene
Concen: 6.641 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion:165 Resp: 33404
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 2.3 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

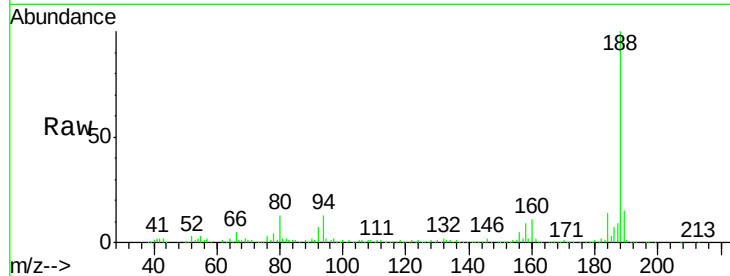
Tot Ion:188 Resp: 337390

Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.5	12.7
80	13.4	9.2	13.8

188 100

94 12.6 8.5 12.7

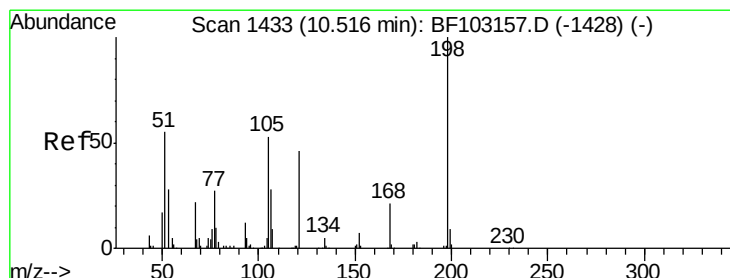
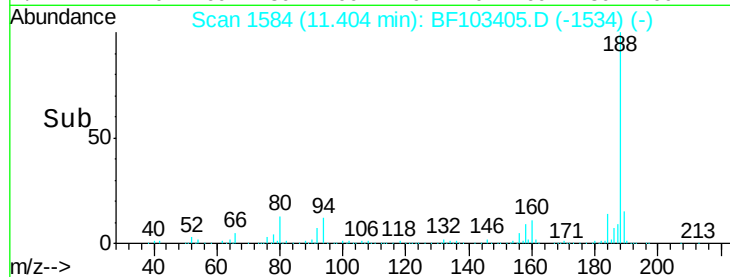
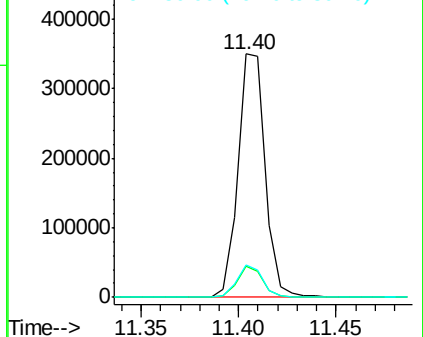
80 13.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.230 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

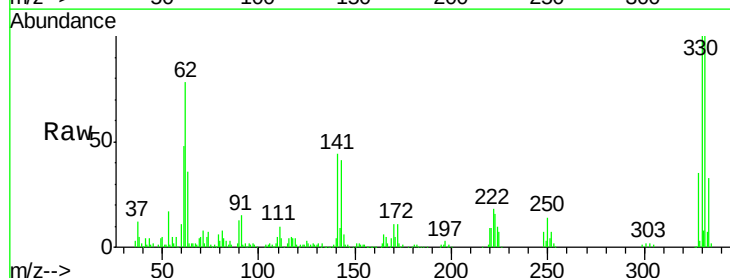
Tgt Ion:198 Resp: 652

Ion	Ratio	Lower	Upper
198	100		
51	224.6	37.7	77.7#
105	380.6	36.3	76.3#

198 100

51 224.6 37.7 77.7#

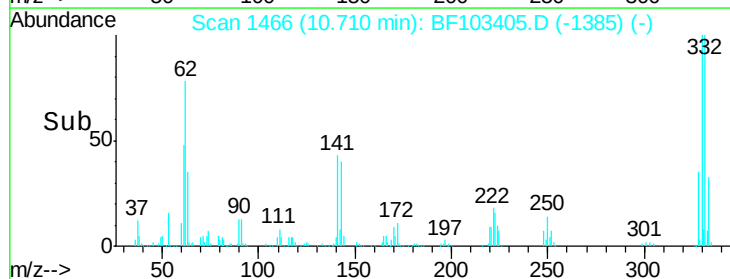
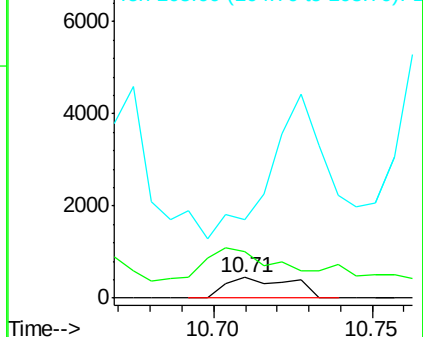
105 380.6 36.3 76.3#

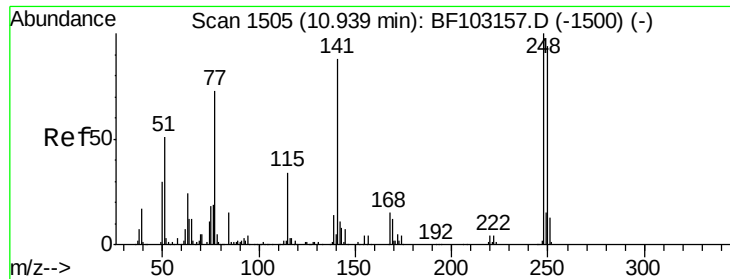


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

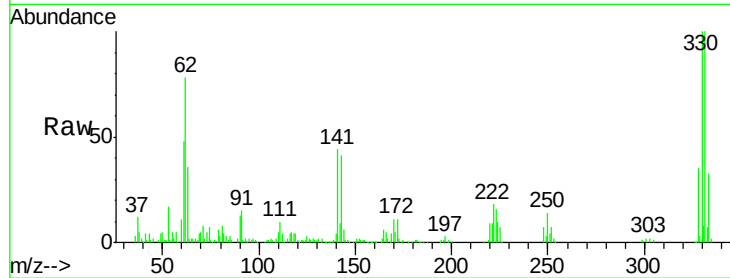




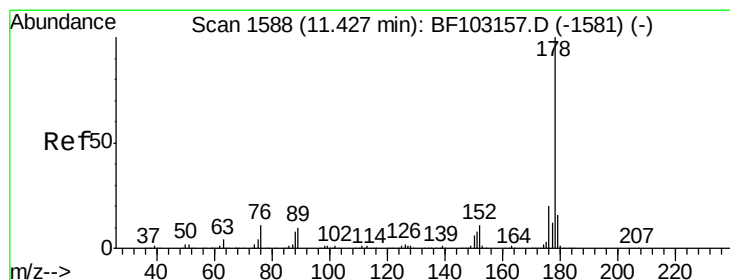
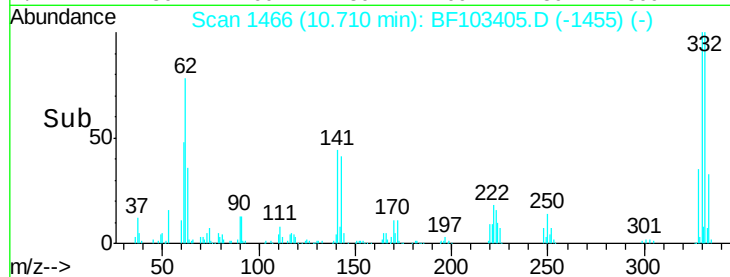
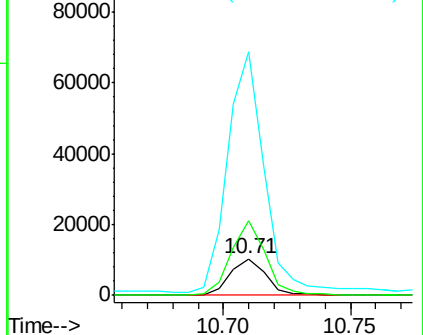
#66
 4-Bromophenyl-phenylether
 Concen: 2.894 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103405.D
 Acq: 5 Mar 2018 13:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10173
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.9 115.3#
 141 663.2 74.4 111.6#

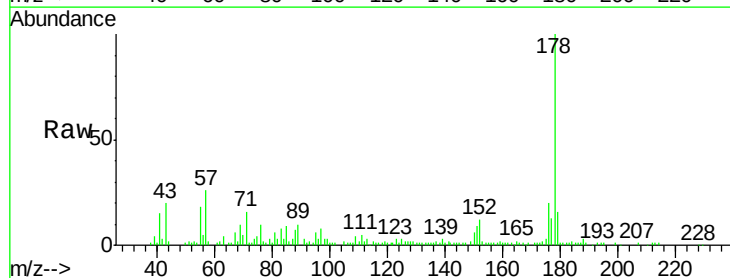


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

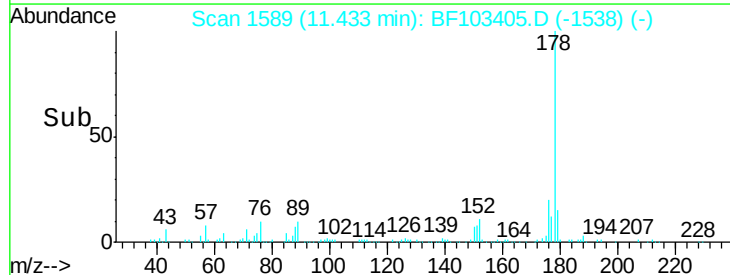
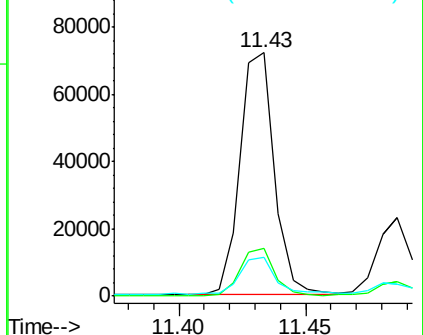


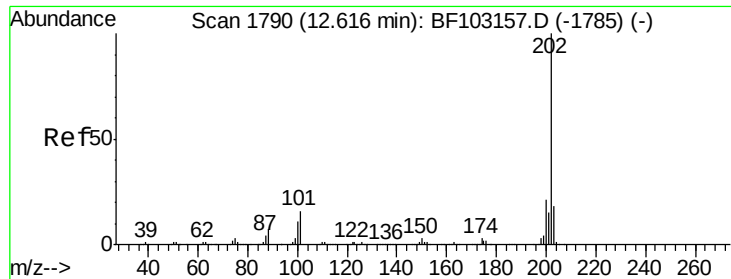
#70
 Phenanthrene
 Concen: 3.647 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103405.D
 Acq: 5 Mar 2018 13:17

Tgt Ion:178 Resp: 67720
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.9 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: 6.340 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

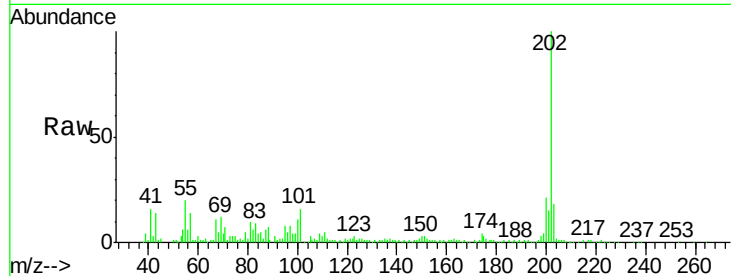
Tot Ion:202 Resp: 118297

Ion Ratio Lower Upper

202 100

101 16.0 0.0 34.1

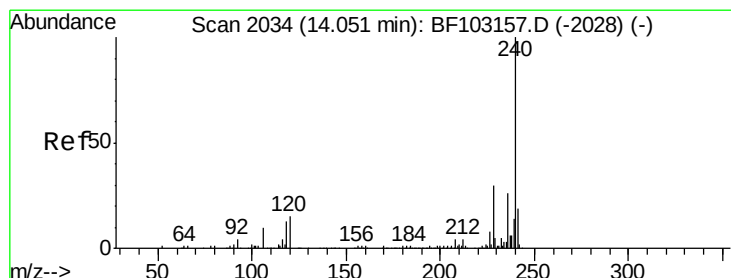
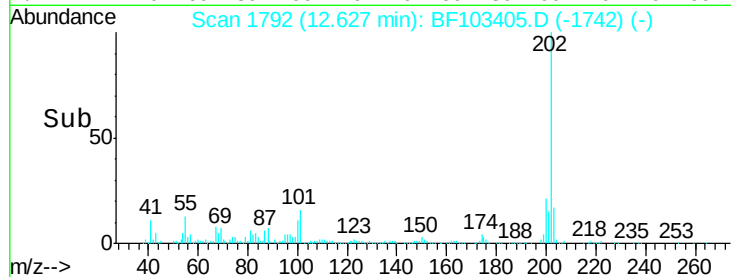
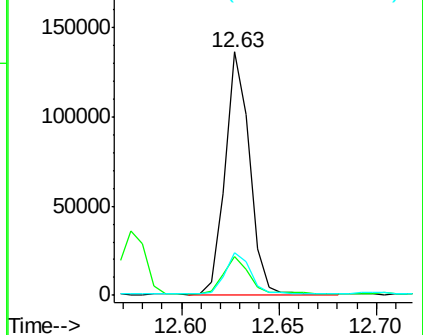
203 17.7 0.0 38.1



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: BF103405.D

Acq: 5 Mar 2018 13:17

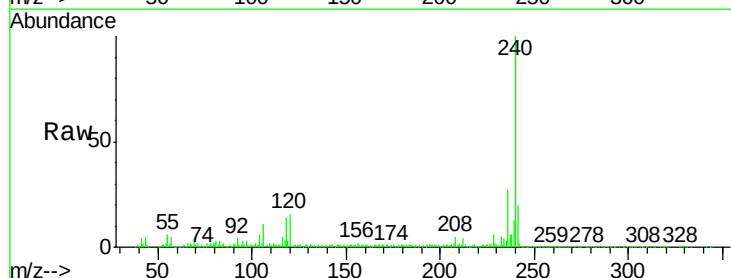
Tgt Ion:240 Resp: 244036

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

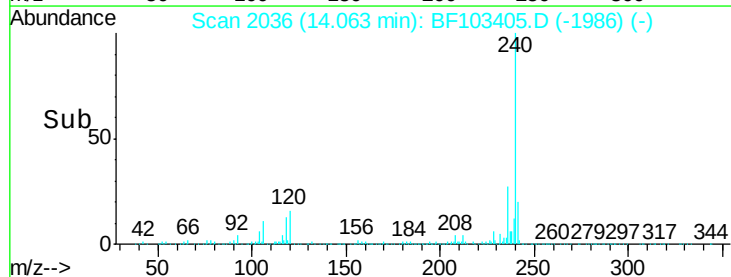
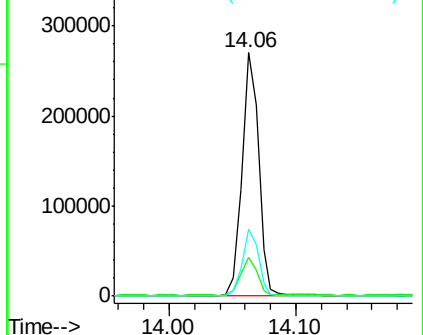
236 27.3 20.7 31.1

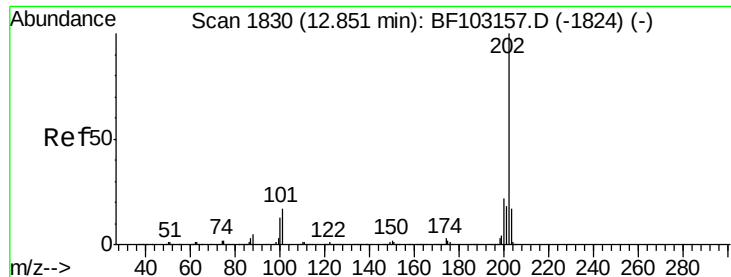


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.835 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

Instrument :

BNA_F

ClientSampleId :

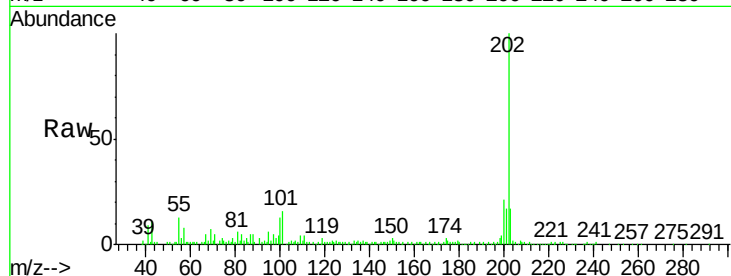
Tot Ion:202 Resp: 111012

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

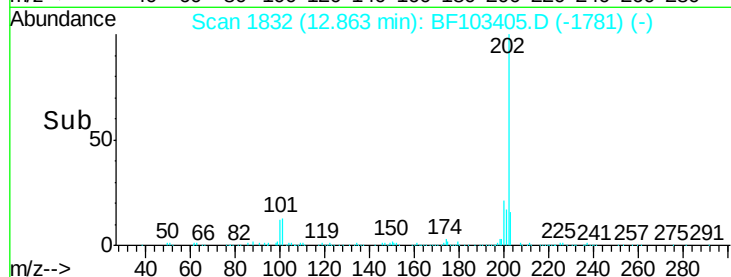
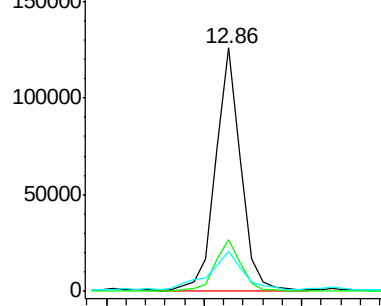
203 16.6 14.3 21.5



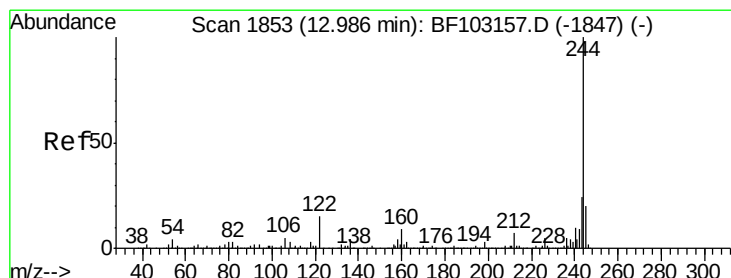
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.80 12.85 12.90



#78

Terphenyl-d14

Concen: 53.516 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103405.D

Acq: 5 Mar 2018 13:17

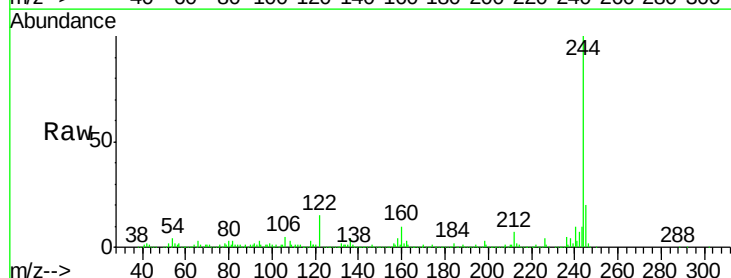
Tgt Ion:244 Resp: 543287

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

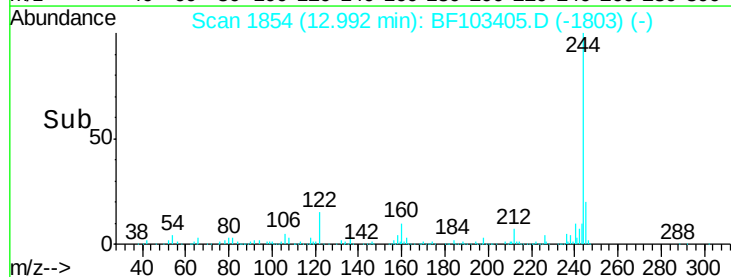
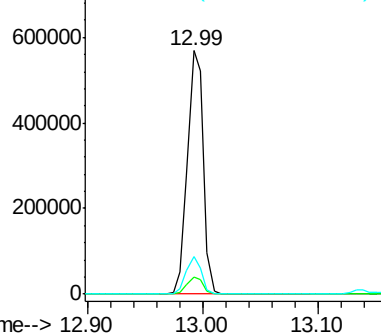
122 15.3 11.0 16.4



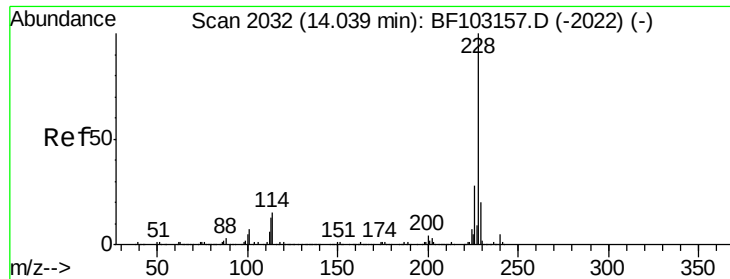
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



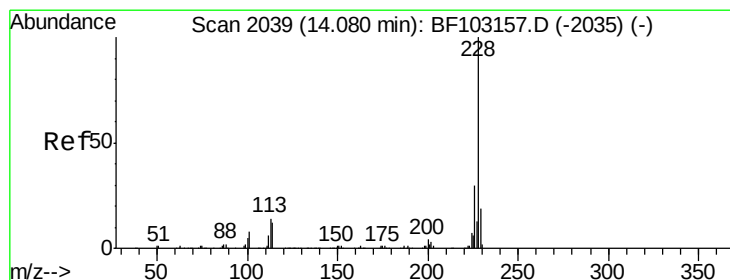
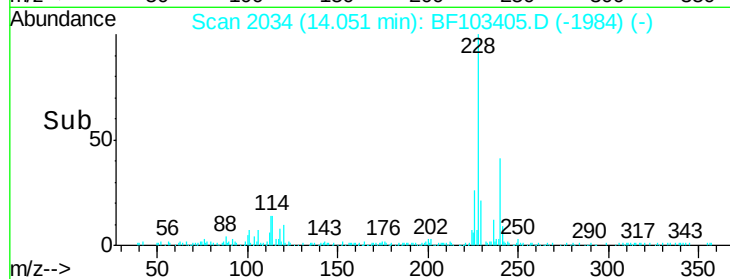
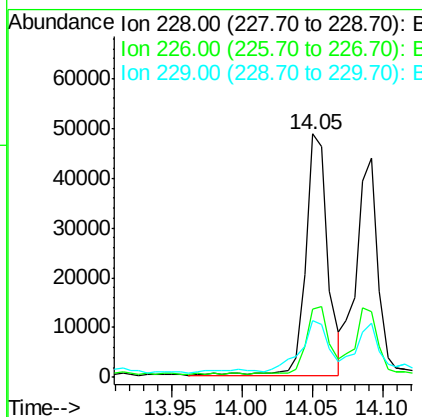
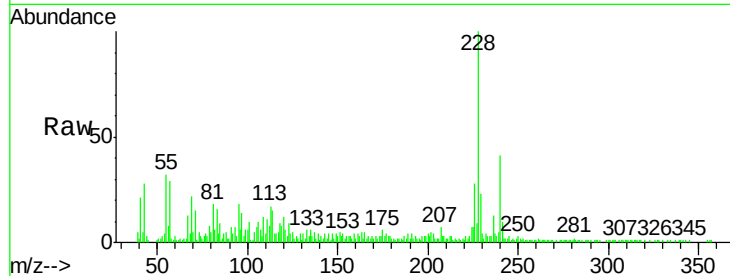
Time--> 12.90 13.00 13.10



#80
Benzo(a)anthracene
Concen: 3.299 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

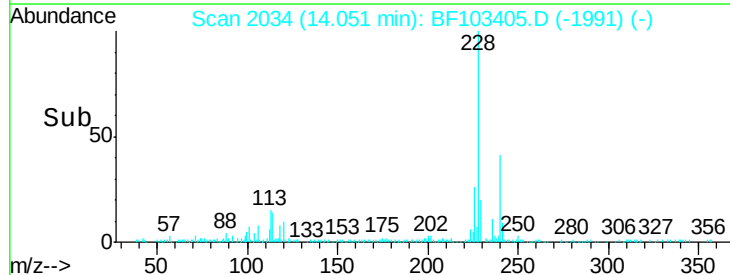
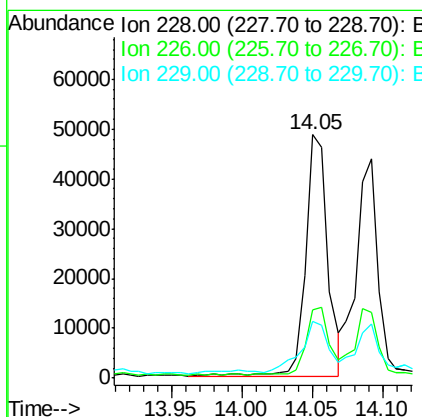
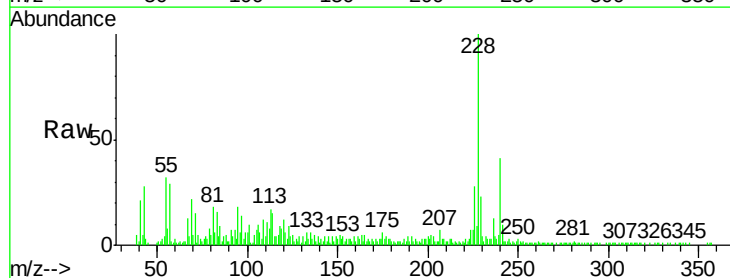
Instrument :
BNA_F
ClientSampleId :

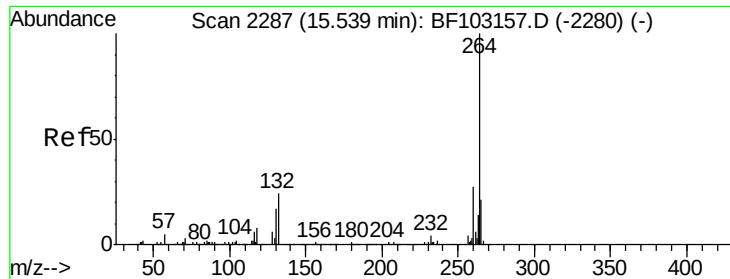
Tot Ion:228 Resp: 52236
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 23.4 15.8 23.6



#82
Chrysene
Concen: 3.398 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.05 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion:228 Resp: 52236
Ion Ratio Lower Upper
228 100
226 27.8 25.0 37.6
229 23.4 16.2 24.4

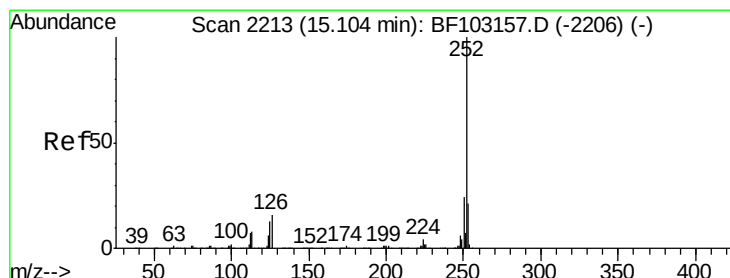
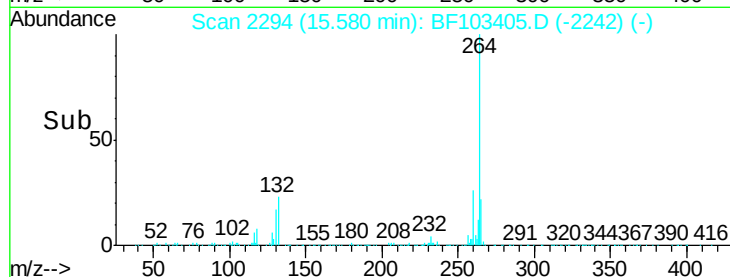
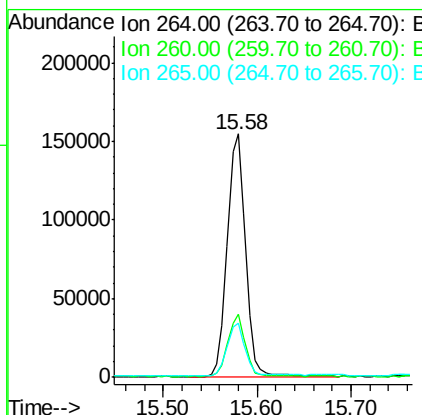
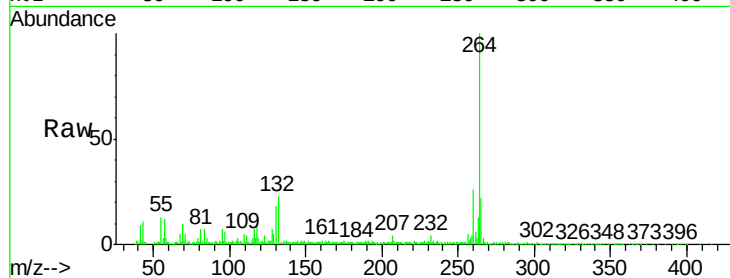




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

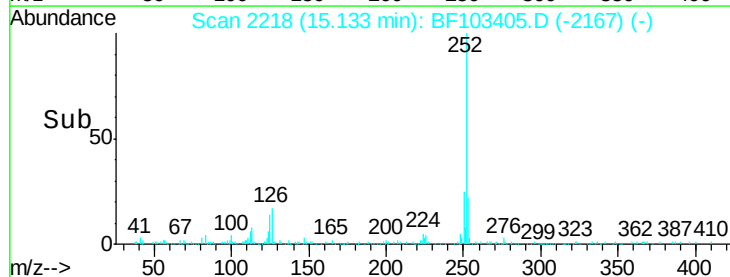
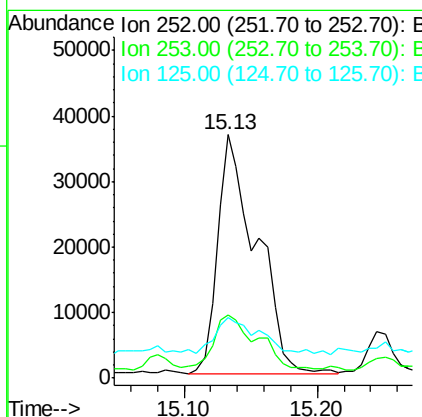
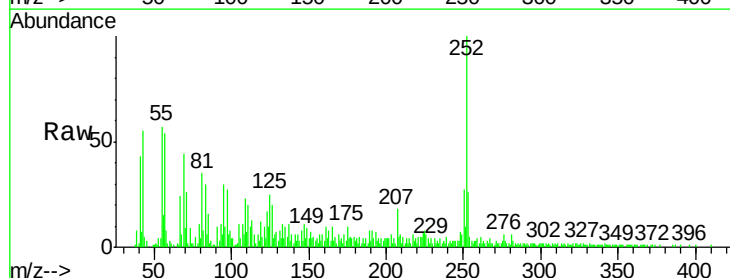
Instrument :
BNA_F
ClientSampleId :

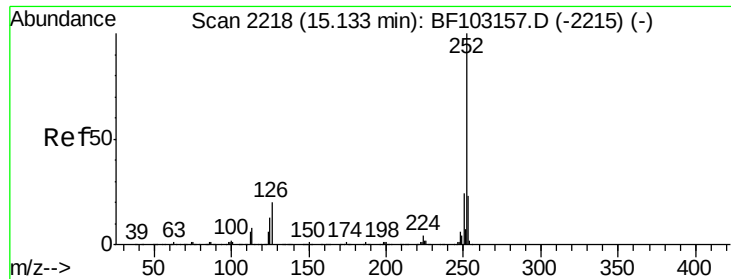
Tot Ion:264 Resp: 208820
Ion Ratio Lower Upper
264 100
260 25.9 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.341 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion:252 Resp: 73327
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.6#
125 24.8 9.0 13.6#

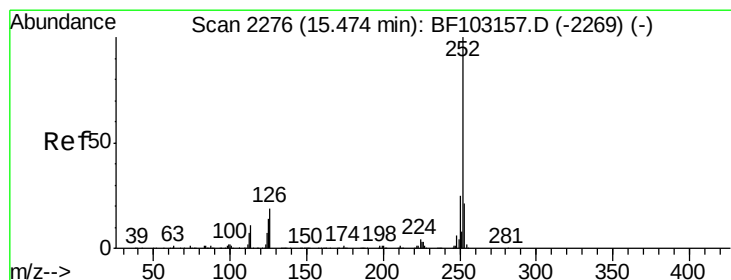
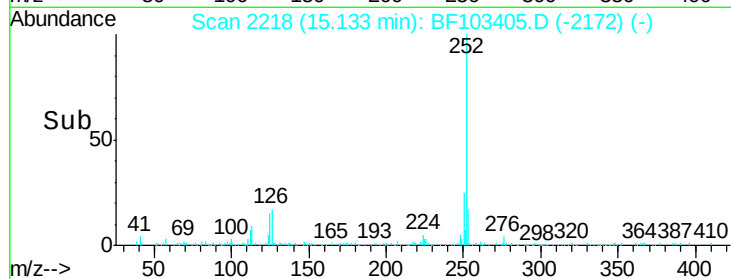
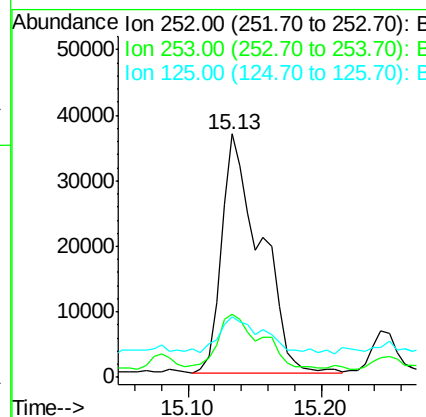
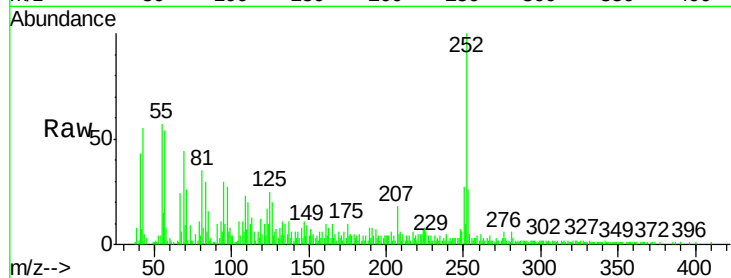




#88
Benzo(k)fluoranthene
Concen: 5.672 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73327
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 24.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.966 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103405.D
Acq: 5 Mar 2018 13:17

Tgt Ion:252 Resp: 36368
Ion Ratio Lower Upper
252 100
253 28.1 17.1 25.7#
125 25.2 9.8 14.6#

