

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101820.D
 Acq On : 29 Dec 2017 11:13
 Operator : SJ/JU
 Sample : I7034-02 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 13:27:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	138355	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	550251	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	234500	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	372070	20.00	ng	0.00
75) Chrysene-d12	13.97	240	226300	20.00	ng	0.00
86) Perylene-d12	15.44	264	264047	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	73440	7.91	ng	0.03
7) Phenol-d6	6.45	99	123797	10.71	ng	0.02
23) Nitrobenzene-d5	7.37	82	73361	7.42	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	6370	2.82	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	151527	10.02	ng	0.00
78) Terphenyl-d14	12.89	244	92180	9.82	ng	0.00

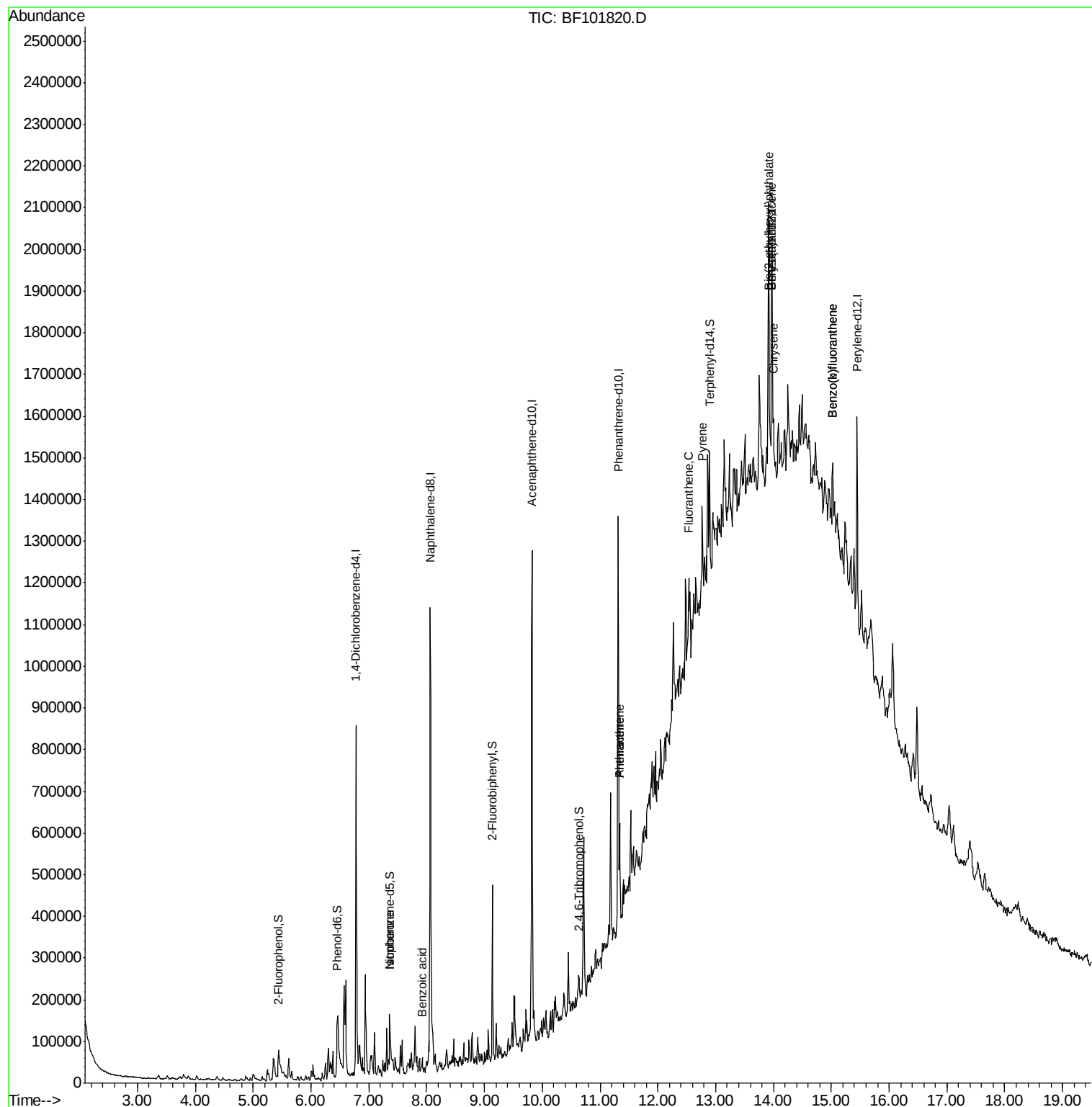
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.37	82	73361	3.700	ng	# 66
32) Benzoic acid	7.92	122	161	7.986	ng	# 66
70) Phenanthrene	11.34	178	89457	4.323	ng	98
71) Anthracene	11.34	178	89457	4.233	ng	99
74) Fluoranthene	12.53	202	89135	4.104	ng	98
77) Pyrene	12.77	202	89441	5.266	ng	95
80) Benzo(a)anthracene	13.96	228	31549	2.111	ng	# 90
82) Chrysene	14.00	228	33024	2.341	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.92	149	198175	20.360	ng	99
87) Benzo(b)fluoranthene	15.02	252	55085	3.423	ng	# 49
88) Benzo(k)fluoranthene	15.02	252	55085	3.520	ng	# 52

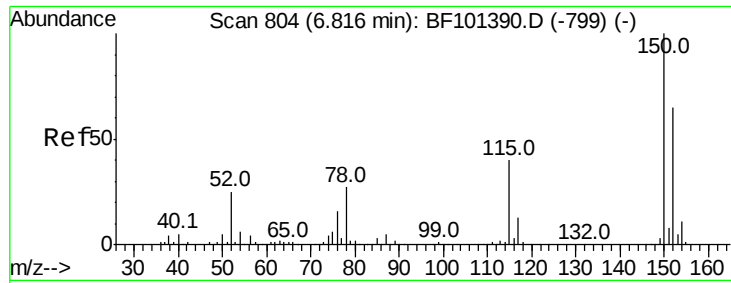
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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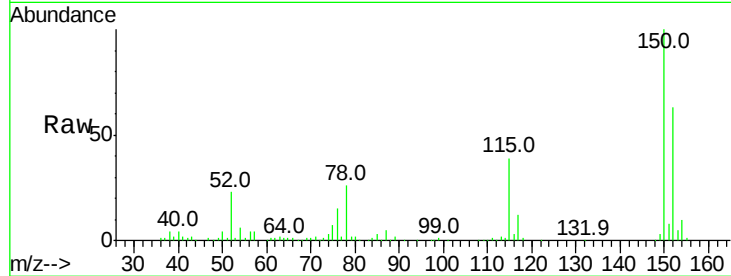


#1

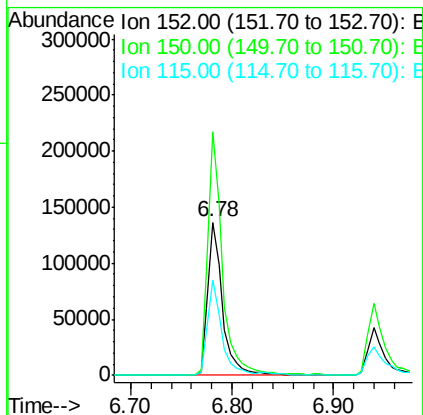
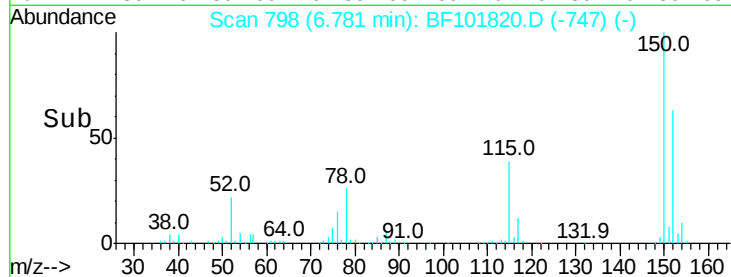
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138355
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 61.8 50.1 75.1



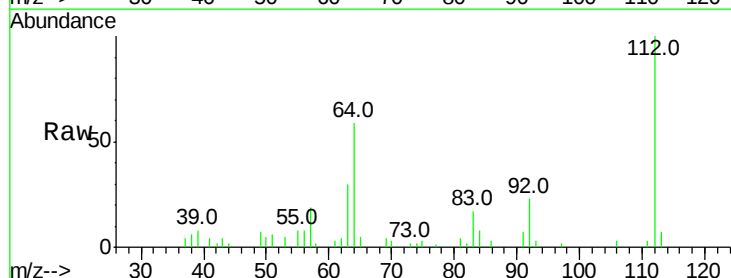
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



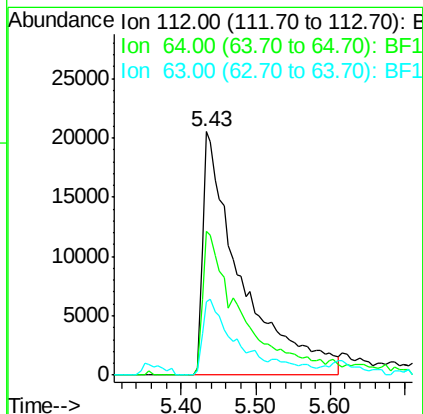
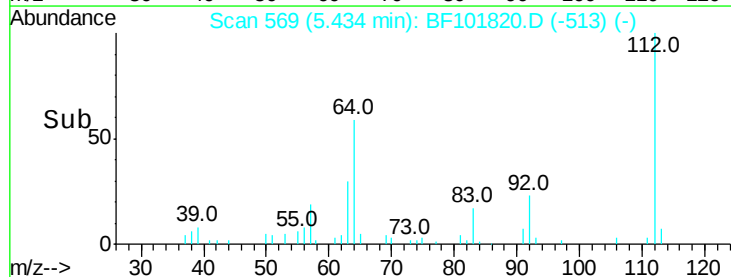
#5

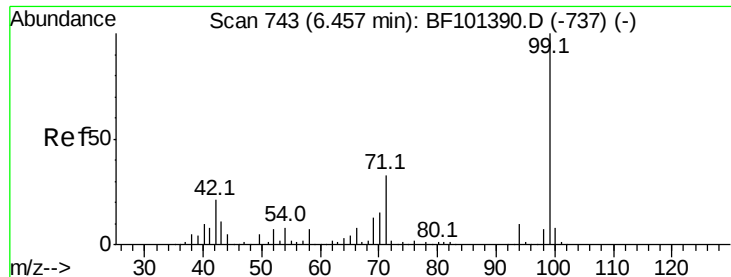
2-Fluorophenol
Concen: 7.907 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.03 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Tgt Ion:112 Resp: 73440
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 30.3 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: 10.710 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

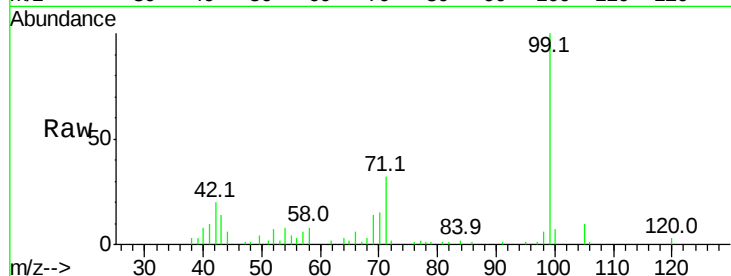
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 123797

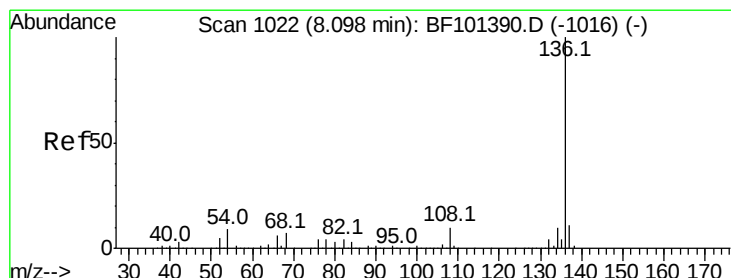
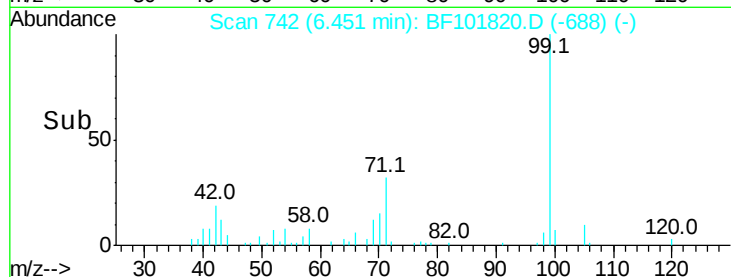
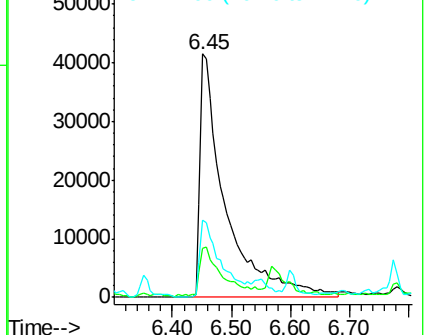
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	31.6	25.4	38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Tgt Ion: 136 Resp: 550251

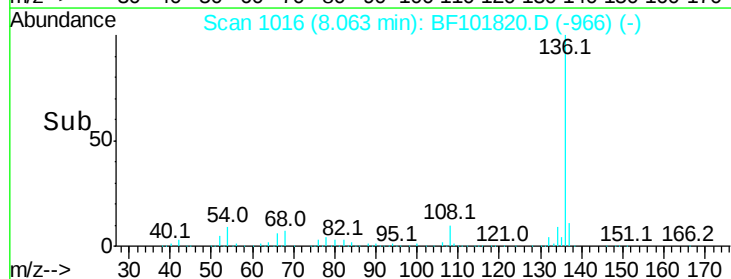
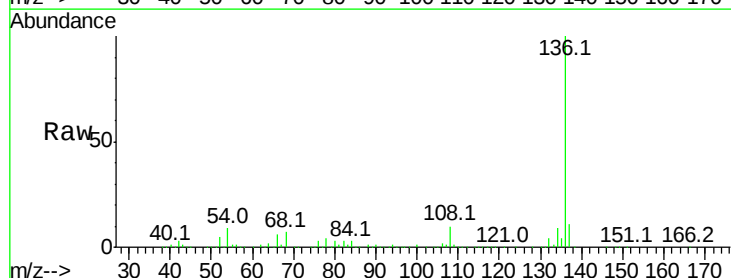
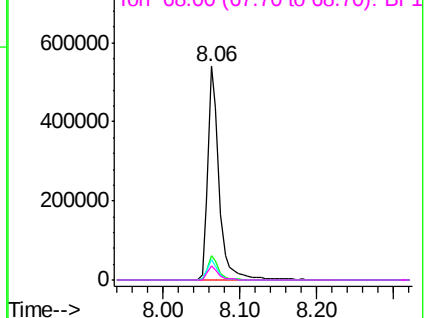
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.4	6.6	9.8
68	6.8	5.0	7.4

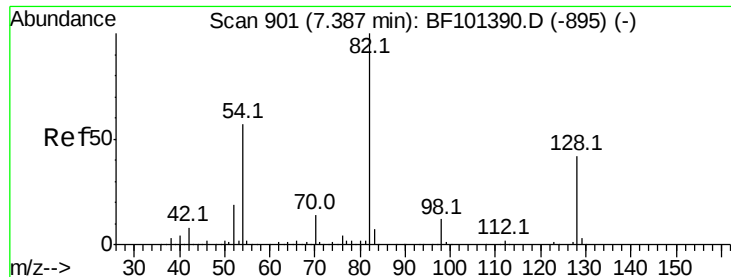
Abundance Ion 136.00 (135.70 to 136.70): E

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

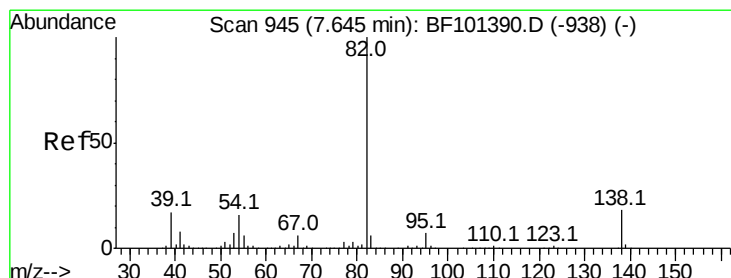
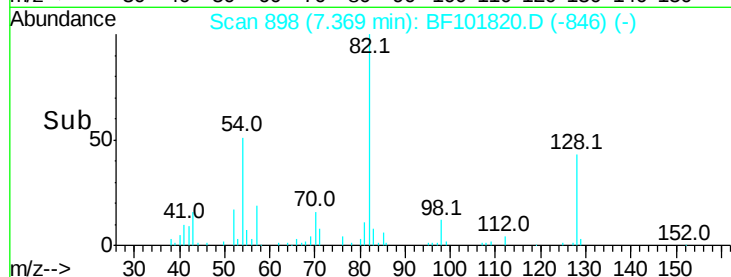
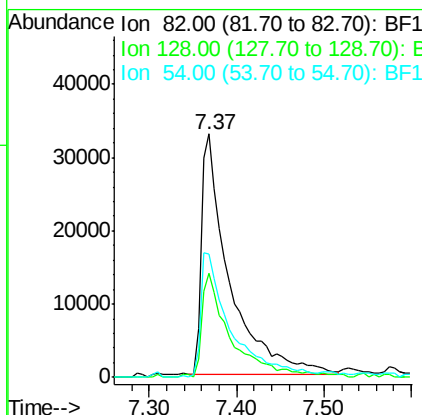
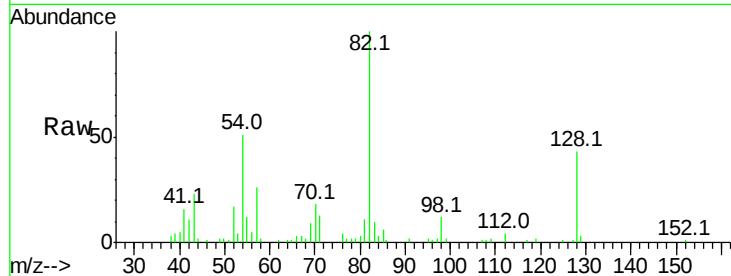




#23
Nitrobenzene-d5
Concen: 7.422 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

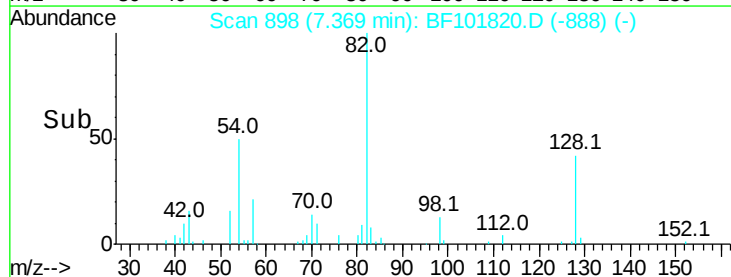
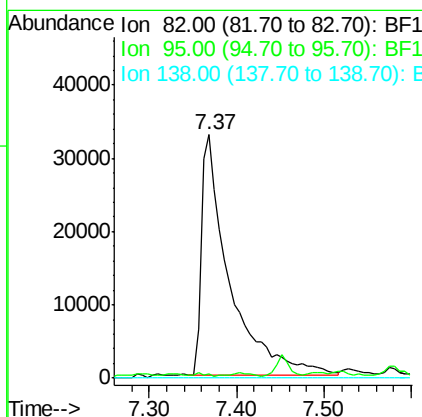
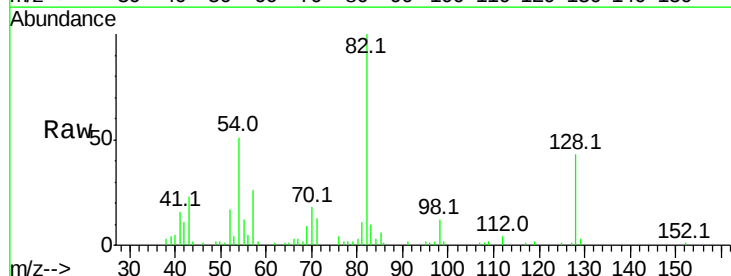
Instrument :
BNA_F
ClientSampleId :

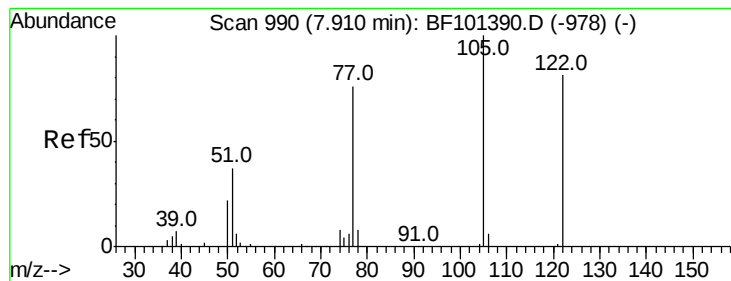
Tot Ion: 82 Resp: 73361
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 50.9 41.4 62.2



#25
Isophorone
Concen: 3.700 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.24 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Tgt Ion: 82 Resp: 73361
Ion Ratio Lower Upper
82 100
95 1.7 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.986 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.01 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Instrument :

BNA_F

ClientSampleId :

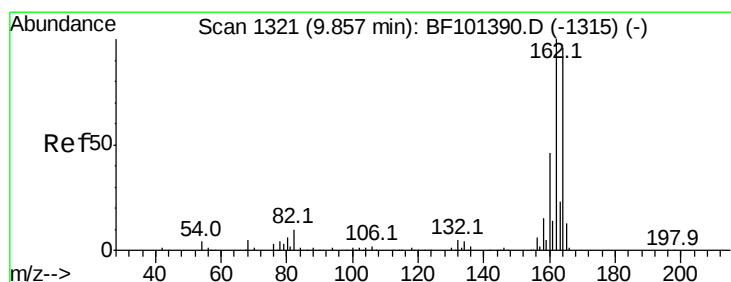
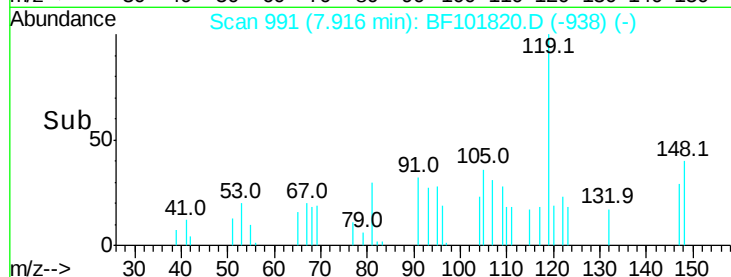
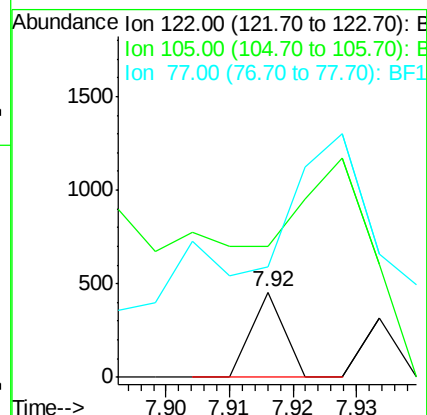
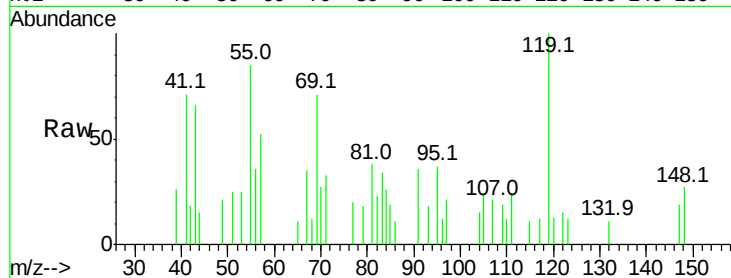
Tot Ion:122 Resp: 161

Ion Ratio Lower Upper

122 100

105 153.8 101.1 141.1#

77 129.9 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

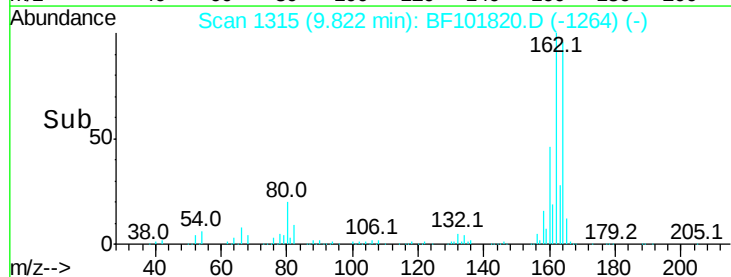
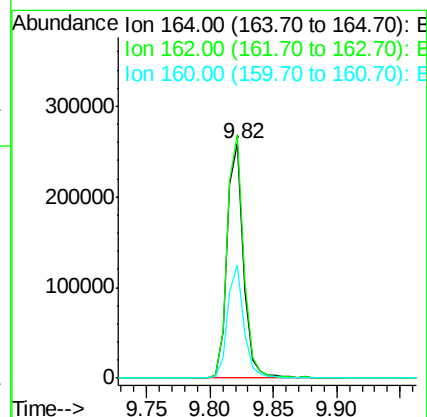
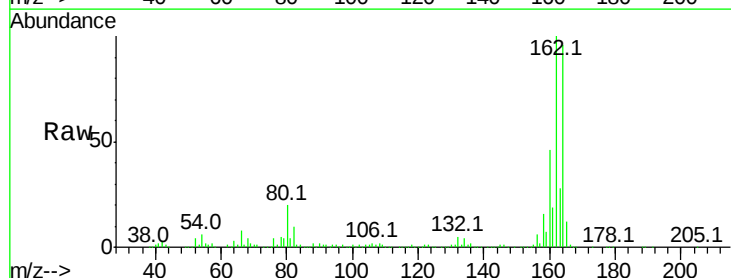
Tgt Ion:164 Resp: 234500

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 48.2 38.3 57.5

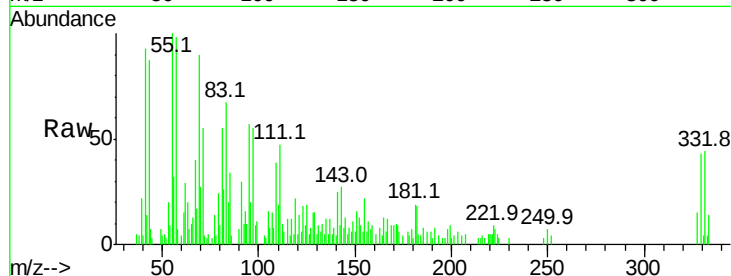




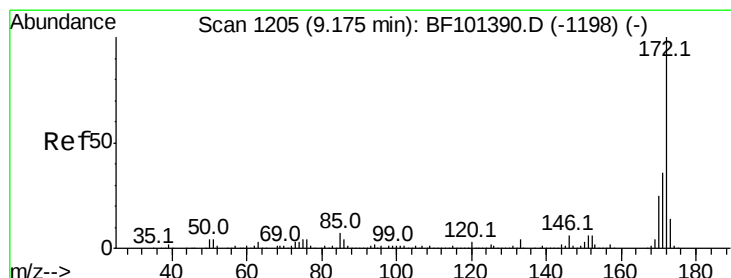
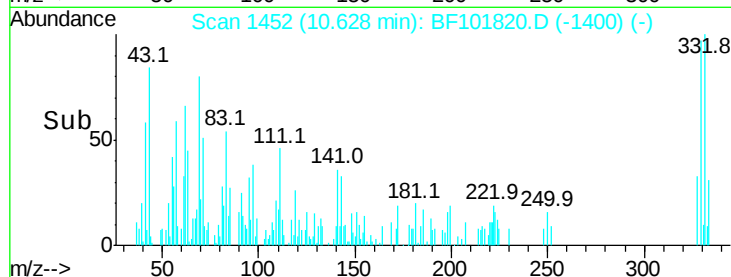
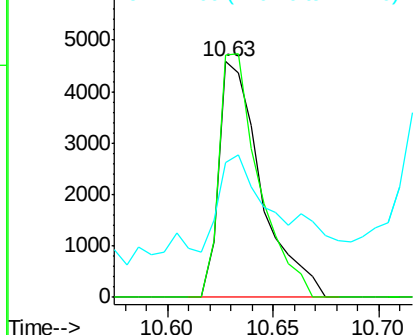
#41
 2,4,6-Tribromophenol
 Concen: 2.819 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101820.D
 Acq: 29 Dec 2017 11:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 6370
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 54.6 29.9 44.9#

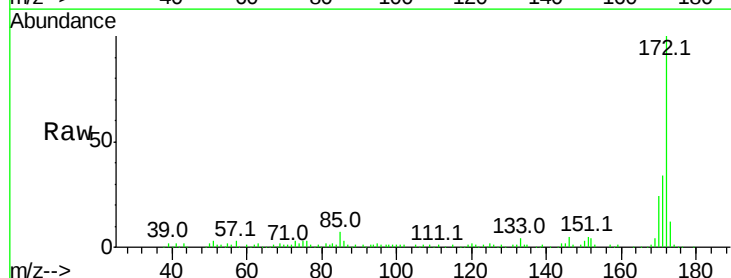


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

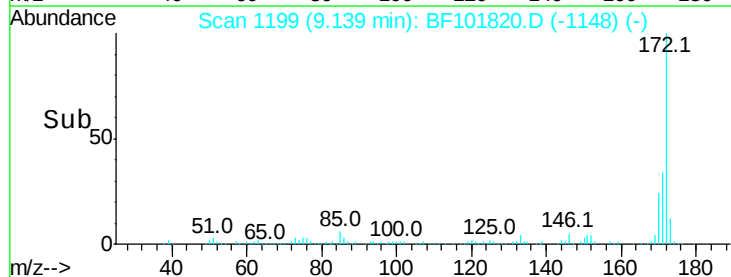
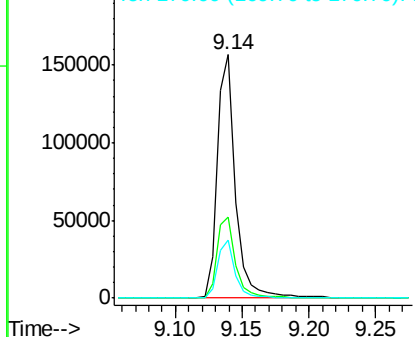


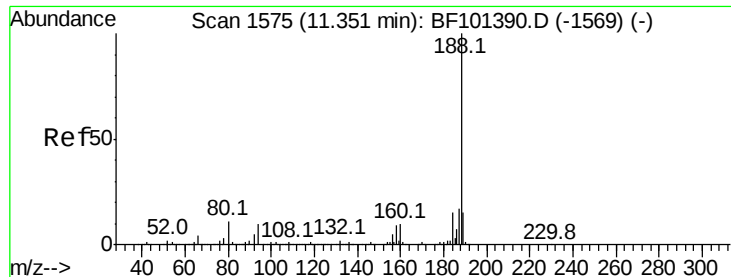
#44
 2-Fluorobiphenyl
 Concen: 10.024 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101820.D
 Acq: 29 Dec 2017 11:13

Tgt Ion:172 Resp: 151527
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.7 44.5
 170 23.6 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

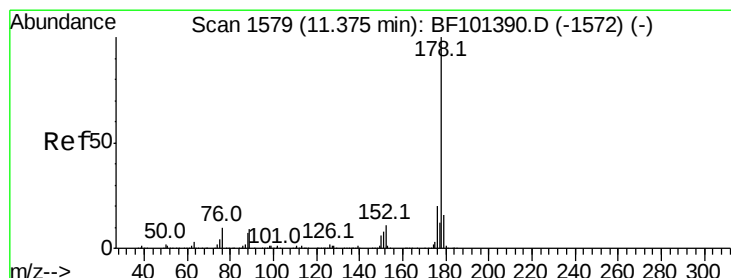
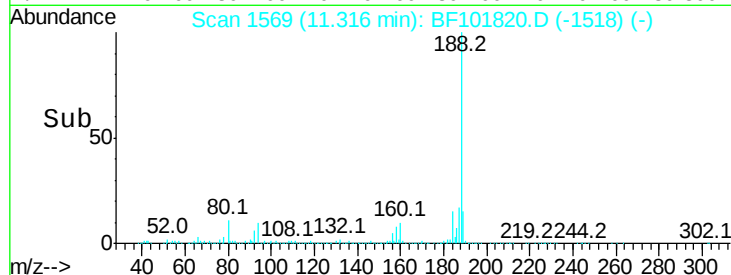
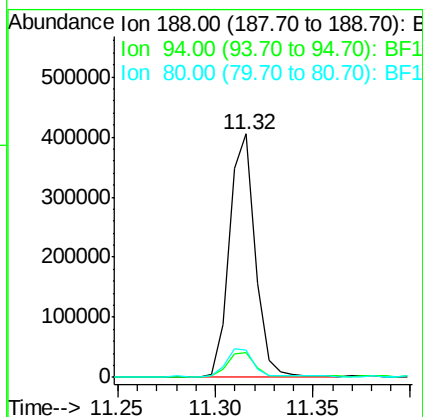
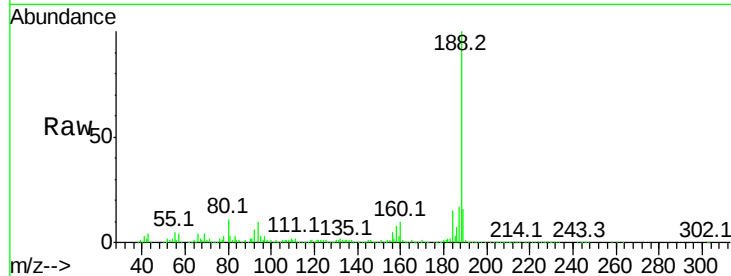




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

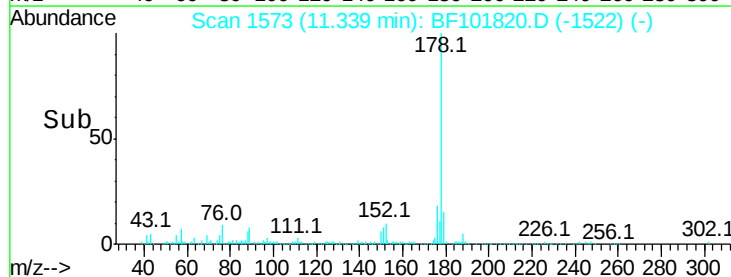
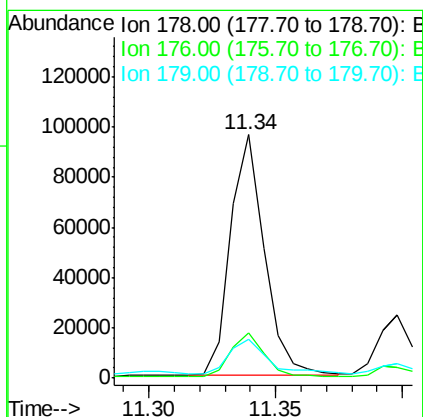
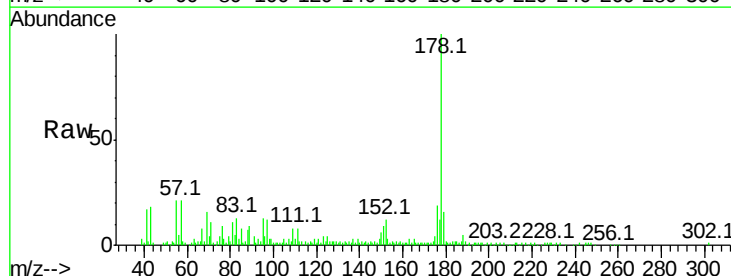
Instrument :
BNA_F
ClientSampled :

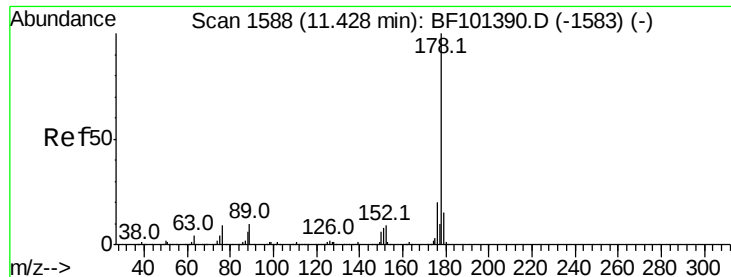
Tot Ion:188 Resp: 372070
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.1 9.2 13.8



#70
Phenanthrene
Concen: 4.323 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Tgt Ion:178 Resp: 89457
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.8 13.0 19.6

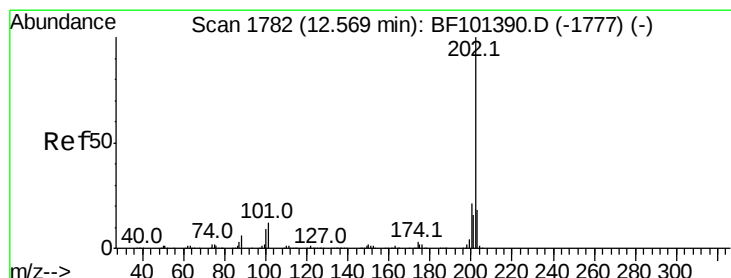
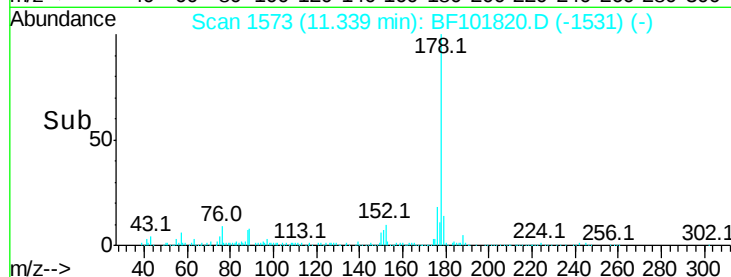
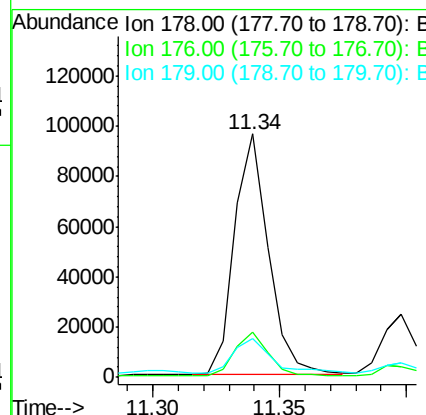
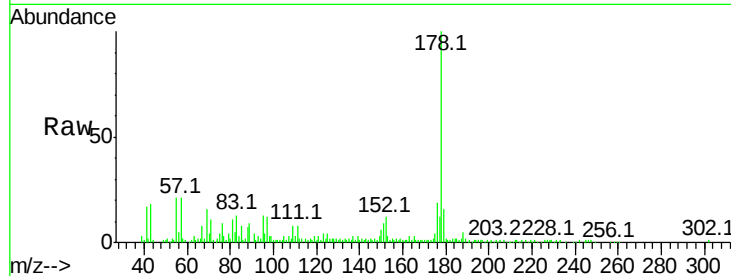




#71
 Anthracene
 Concen: 4.233 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF101820.D
 Acq: 29 Dec 2017 11:13

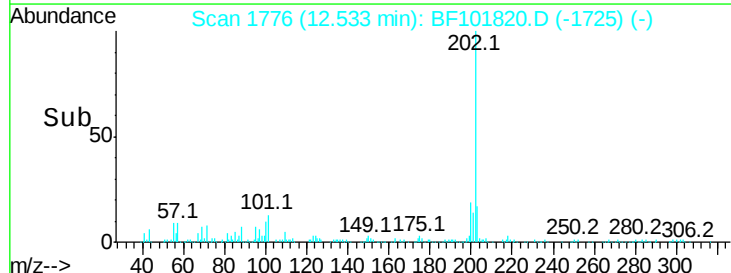
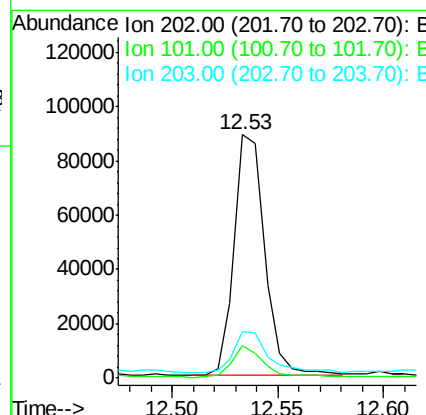
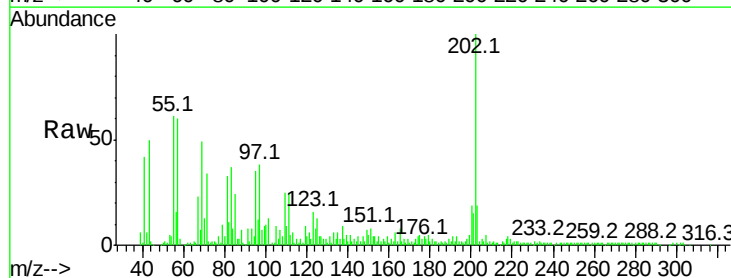
Instrument :
 BNA_F
 ClientSampleId :

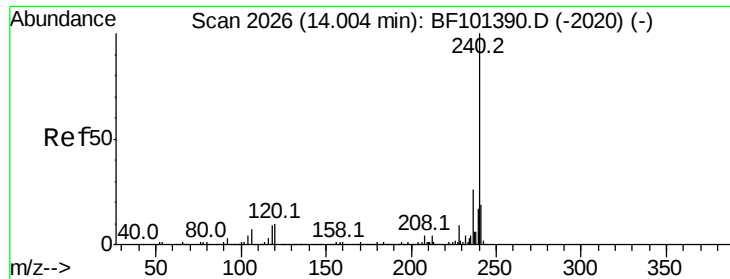
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.8	12.6	19.0



#74
 Fluoranthene
 Concen: 4.104 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101820.D
 Acq: 29 Dec 2017 11:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	19.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Instrument :

BNA_F

ClientSampleId :

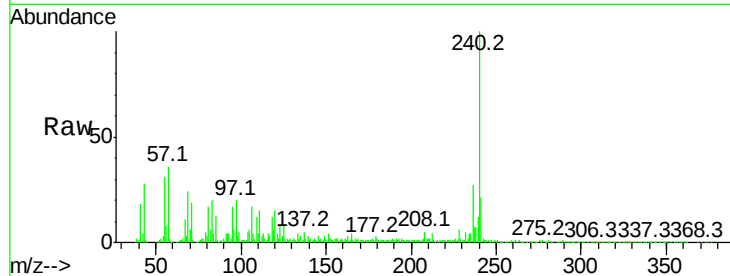
Tot Ion:240 Resp: 226300

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

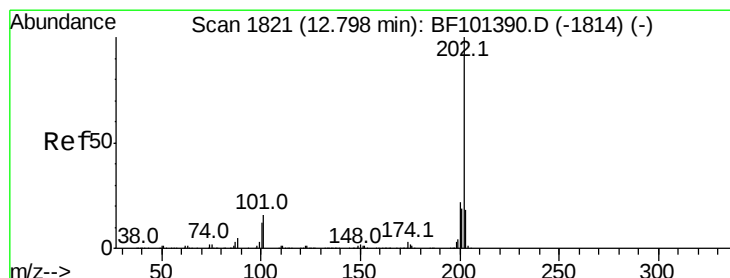
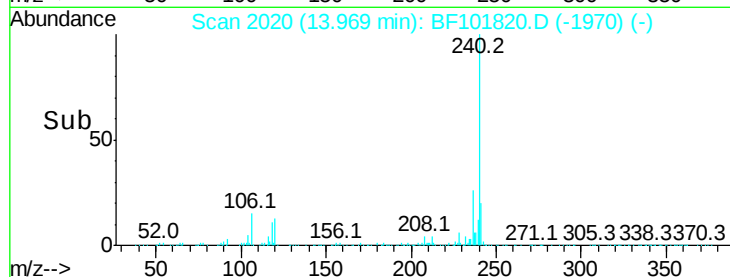
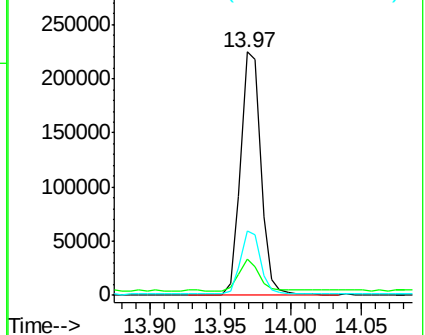
236 26.6 20.7 31.1



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: 5.266 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

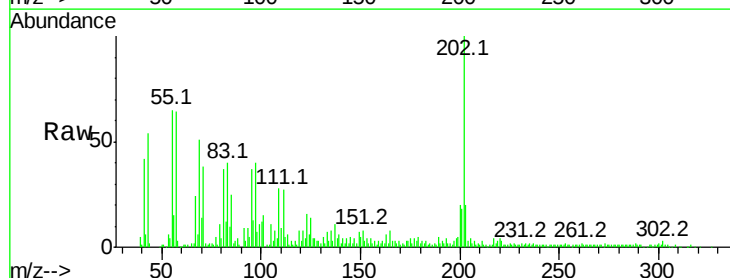
Tgt Ion:202 Resp: 89441

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

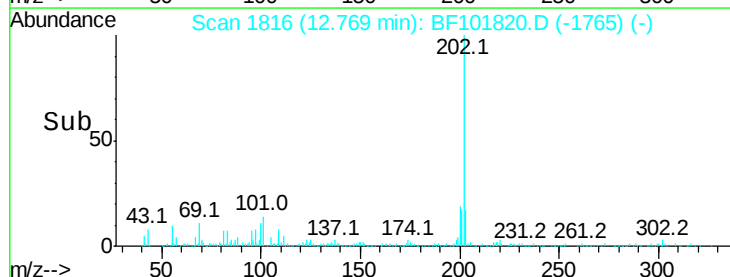
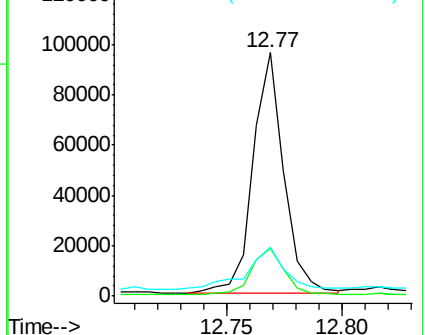
203 20.0 14.3 21.5

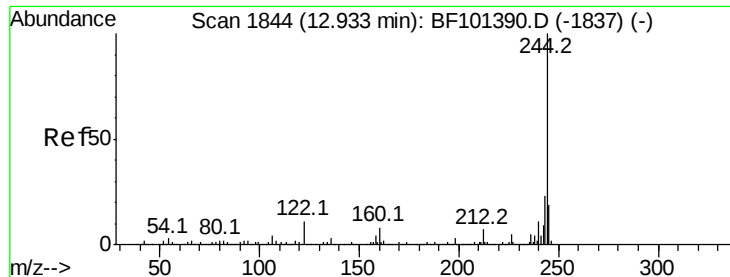


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.820 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Instrument :

BNA_F

ClientSampleId :

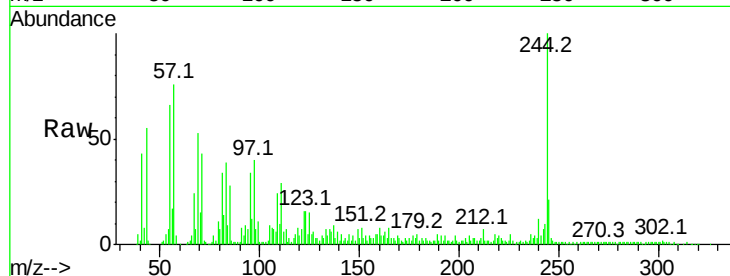
Tot Ion:244 Resp: 92180

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

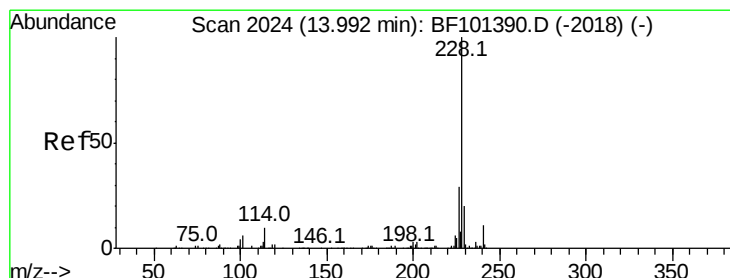
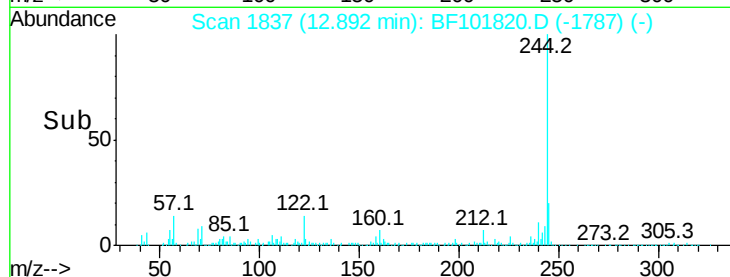
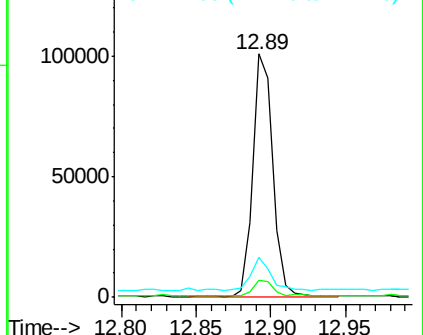
122 16.5 11.0 16.4#



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: 2.111 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

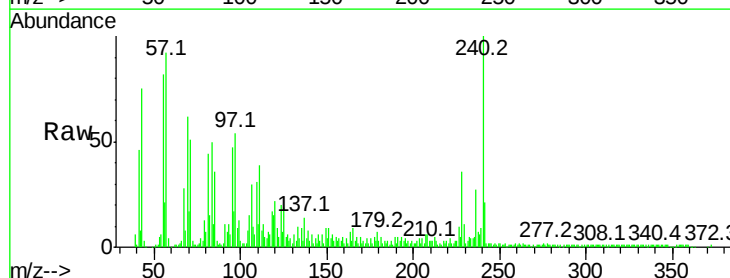
Tgt Ion:228 Resp: 31549

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

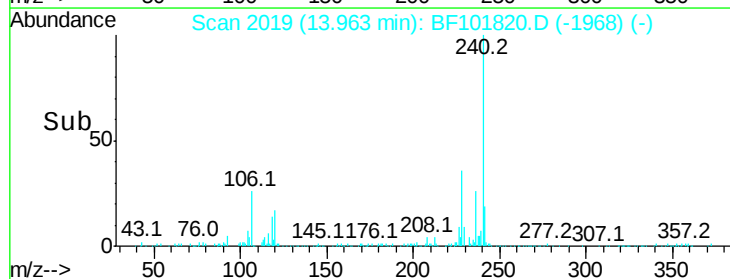
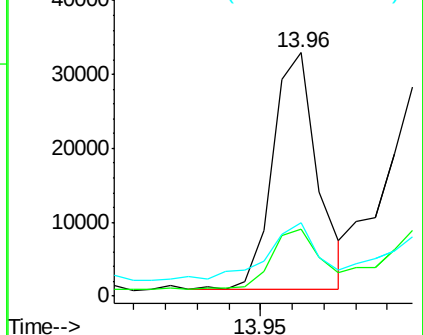
229 30.0 15.8 23.6#

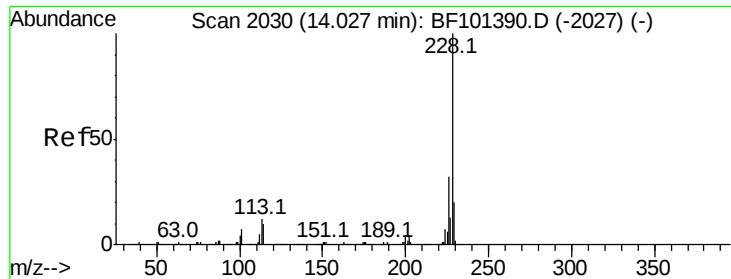


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.341 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Instrument :

BNA_F

ClientSampleId :

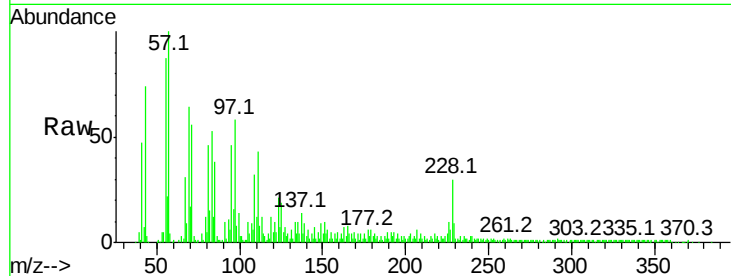
Tot Ion:228 Resp: 33024

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

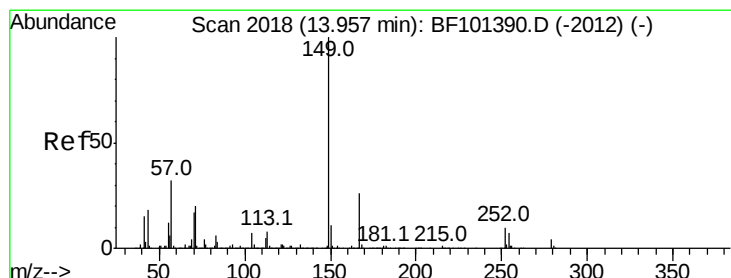
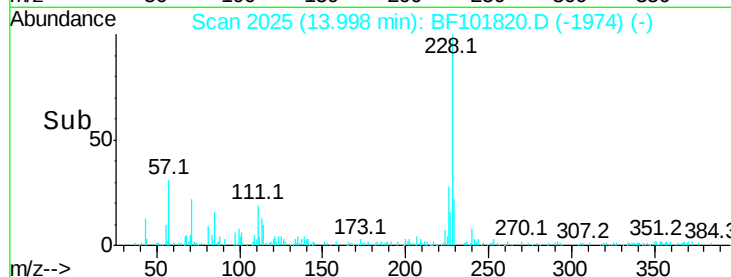
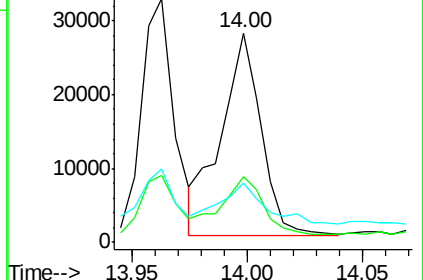
229 28.3 16.2 24.4#



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: 20.360 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

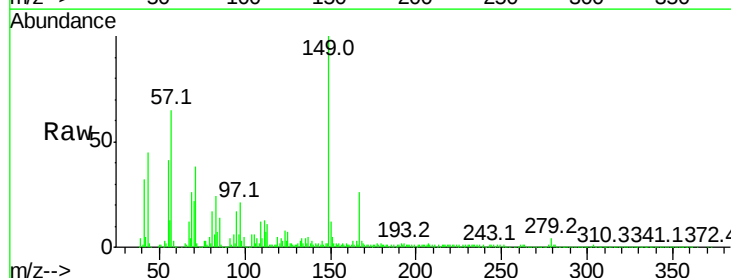
Tgt Ion:149 Resp: 198175

Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

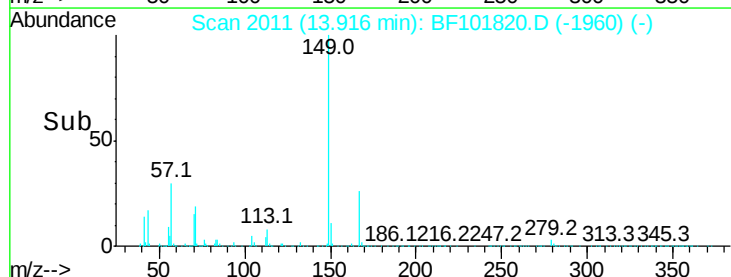
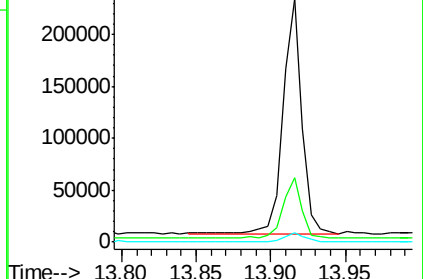
279 3.6 3.0 4.4

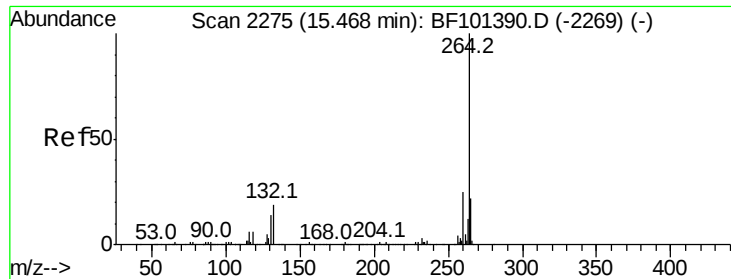


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

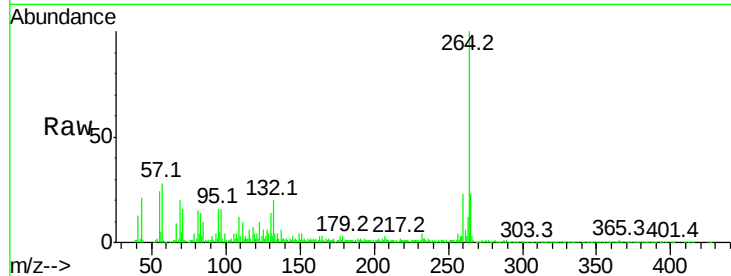




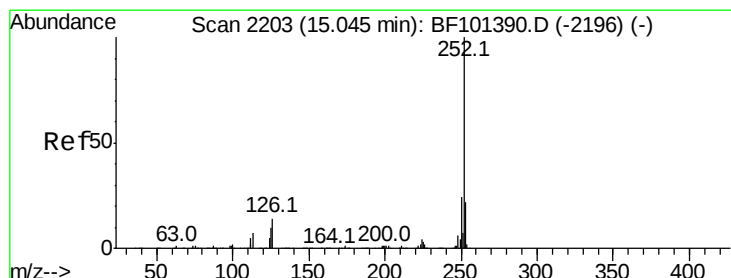
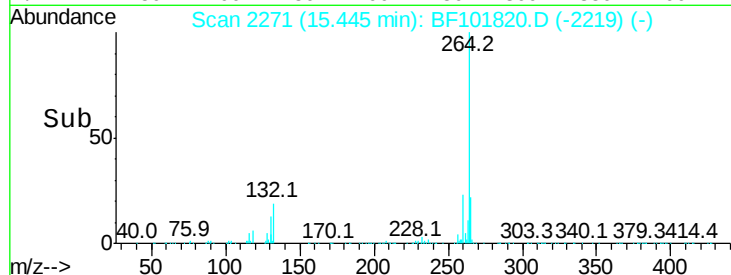
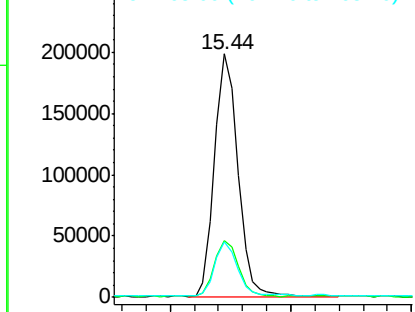
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 264047
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.9 17.5 26.3

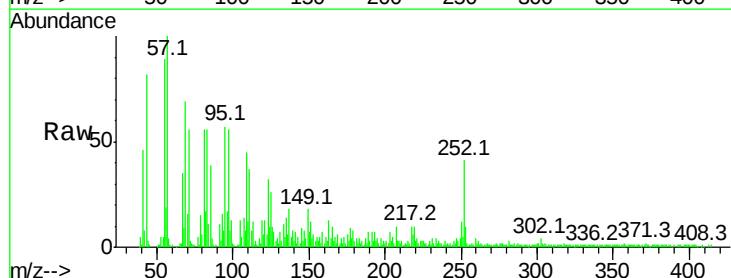


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

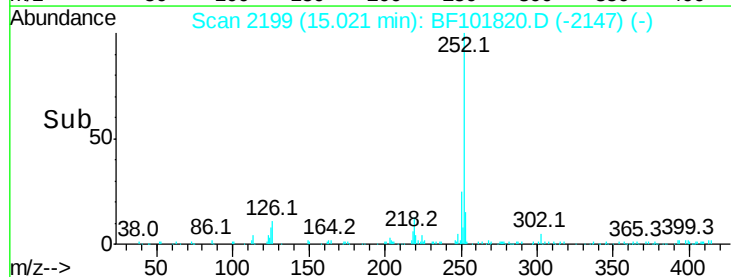
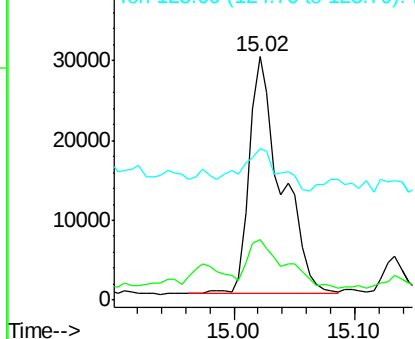


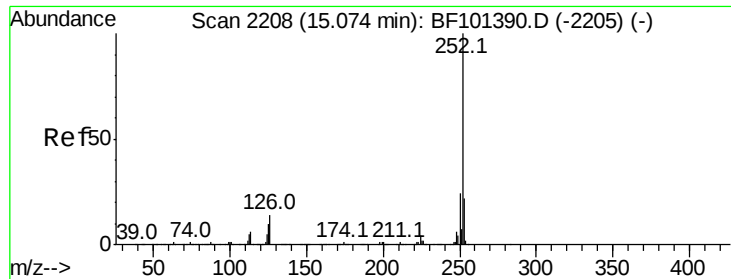
#87
Benzo(b)fluoranthene
Concen: 3.423 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101820.D
Acq: 29 Dec 2017 11:13

Tgt Ion:252 Resp: 55085
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 62.1 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: 3.520 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

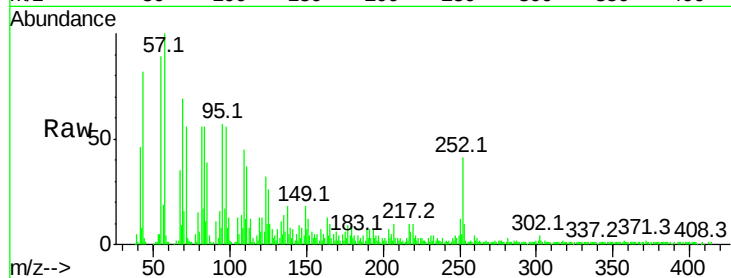
Lab File: BF101820.D

Acq: 29 Dec 2017 11:13

Instrument :

BNA_F

ClientSampleId :



Tot Ion:252 Resp: 55085

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 62.1 10.2 15.2#

