

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104383.D
 Acq On : 9 Apr 2018 20:09
 Operator : JU/SJ
 Sample : J2158-01 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:18:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146970	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	574156	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	237839	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	342250	20.00	ng	0.00
75) Chrysene-d12	13.98	240	276431	20.00	ng	0.00
86) Perylene-d12	15.44	264	195791	20.00	ng	0.02

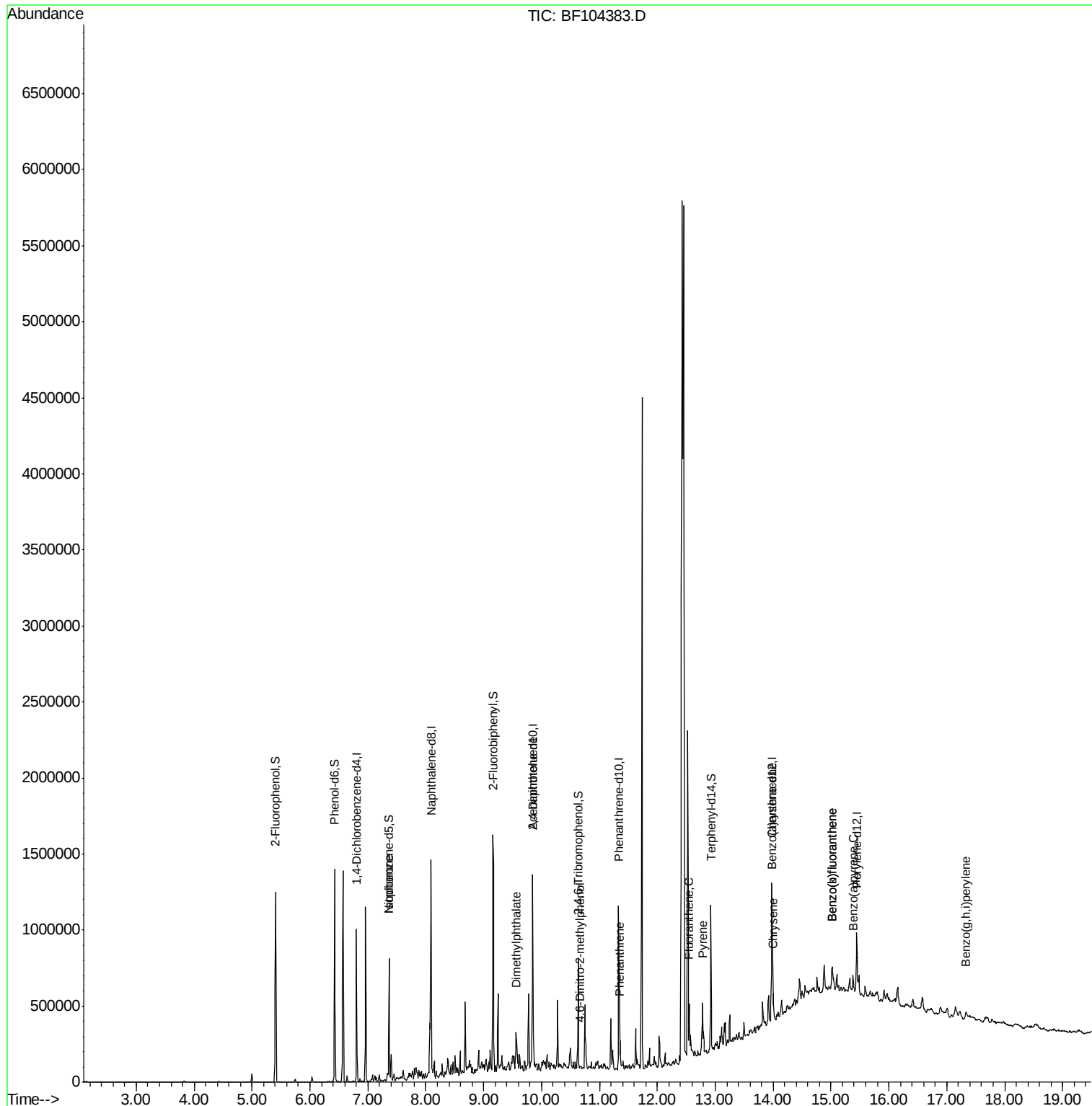
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	340674	35.44	ng	0.00
7) Phenol-d6	6.43	99	428968	36.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	242726	27.60	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	76819	31.14	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	455406	30.25	ng	0.00
78) Terphenyl-d14	12.93	244	310586	25.62	ng	0.00

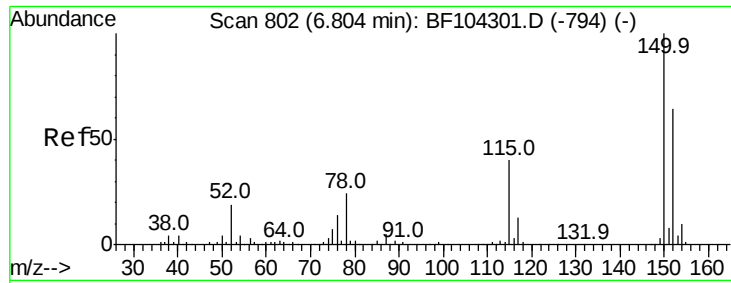
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	7435	Below Cal		84
25) Isophorone	7.37	82	239939	12.904 ng	#	64
49) Dimethylphthalate	9.56	163	47437	2.529 ng		99
56) 2,4-Dinitrotoluene	9.85	165	33226	7.299 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.67	198	115	7.405 ng	#	1
70) Phenanthrene	11.36	178	58758	3.083 ng		98
74) Fluoranthene	12.55	202	122246	6.139 ng		97
76) Benzydine	12.69	184	456	Below Cal	#	1
77) Pyrene	12.78	202	129547	6.322 ng		98
80) Benzo(a)anthracene	13.97	228	70763	4.285 ng	#	91
82) Chrysene	14.00	228	63646	3.752 ng		96
87) Benzo(b)fluoranthene	15.02	252	92790	7.504 ng	#	80
88) Benzo(k)fluoranthene	15.02	252	92790	7.948 ng	#	83
89) Benzo(a)pyrene	15.38	252	47532	4.296 ng	#	84
91) Benzo(a,h,i)perylene	17.33	276	28958	3.289 ng	#	92

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
Data File : BF104383.D  
Acq On    : 9 Apr 2018 20:09  
Operator  : JU/SJ  
Sample    : J2158-01 2X  
Misc      :  
ALS Vial  : 26 Sample Multiplier: 1
```

Quant Time: Apr 10 01:18:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



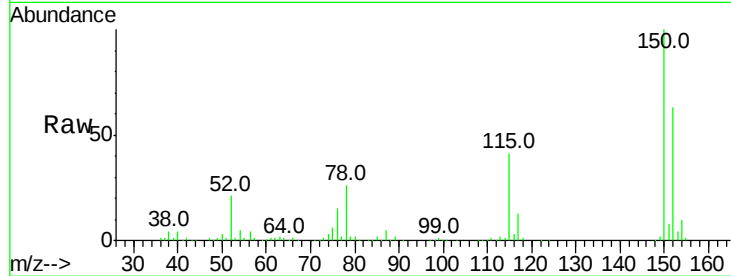


#1

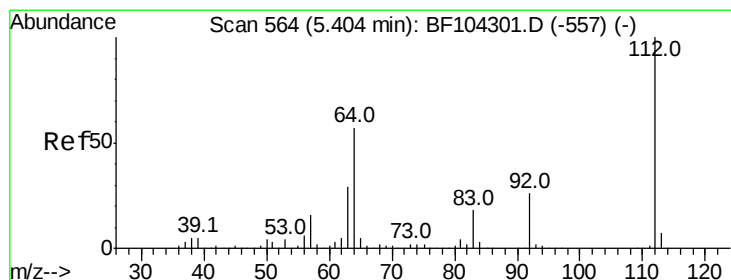
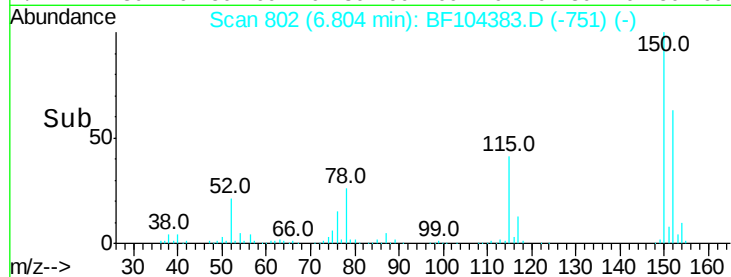
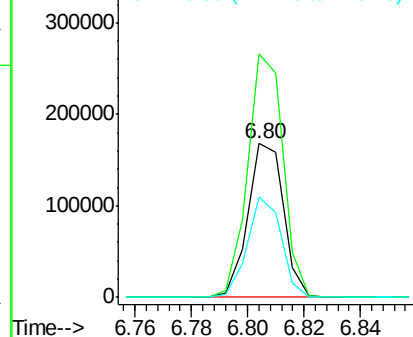
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146970
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 64.9 50.1 75.1



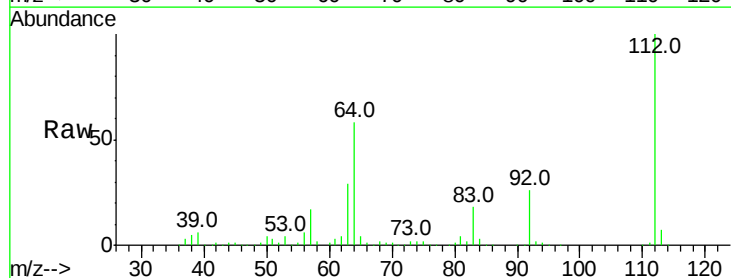
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



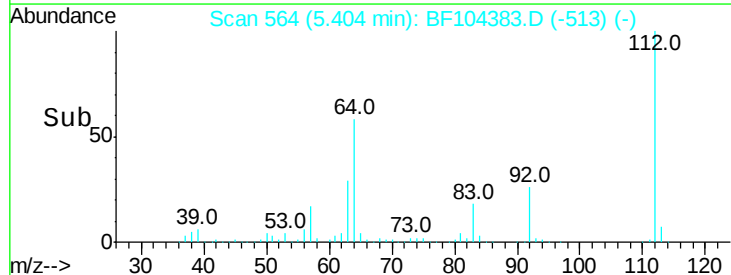
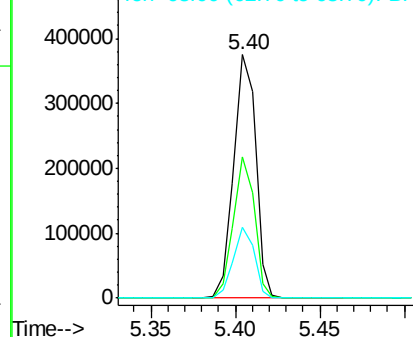
#5

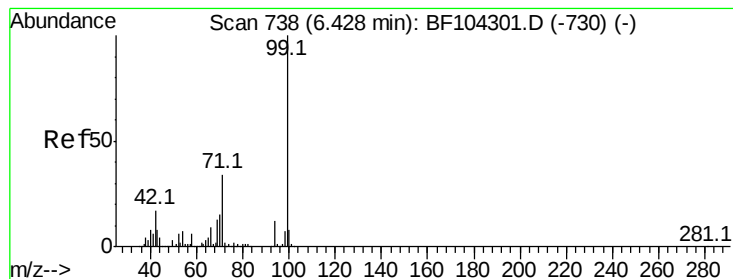
2-Fluorophenol
Concen: 35.443 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Tgt Ion:112 Resp: 340674
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 28.8 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: 36.323 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

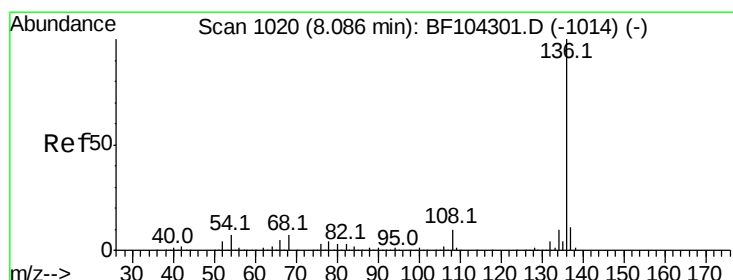
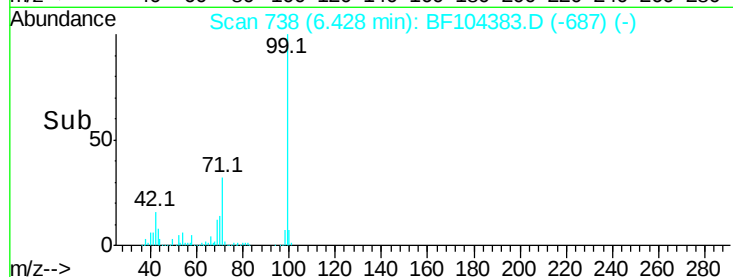
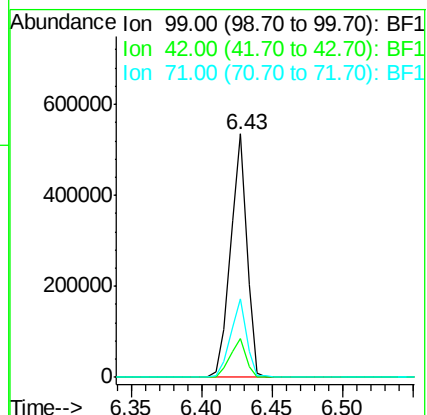
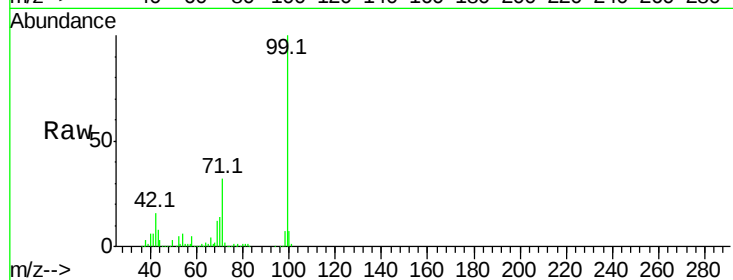
Tot Ion: 99 Resp: 428968

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 32.1 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Tgt Ion: 136 Resp: 574156

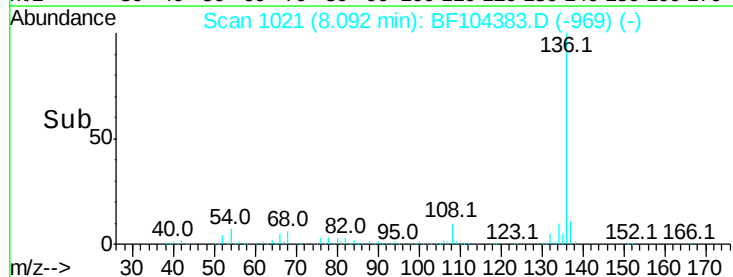
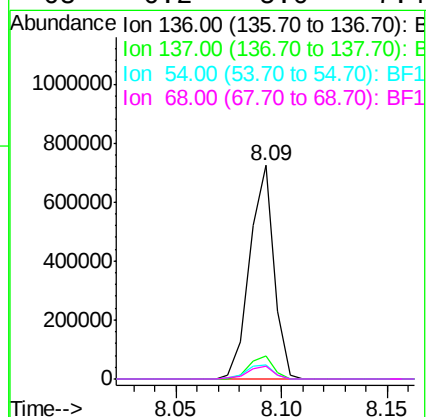
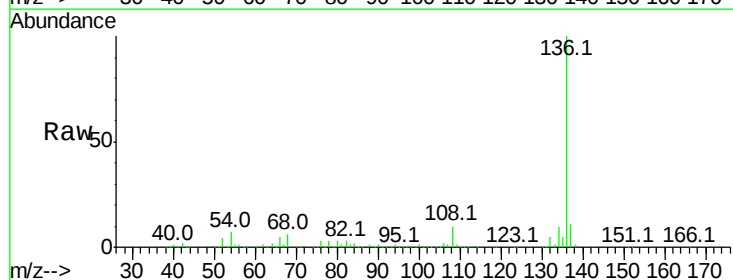
Ion Ratio Lower Upper

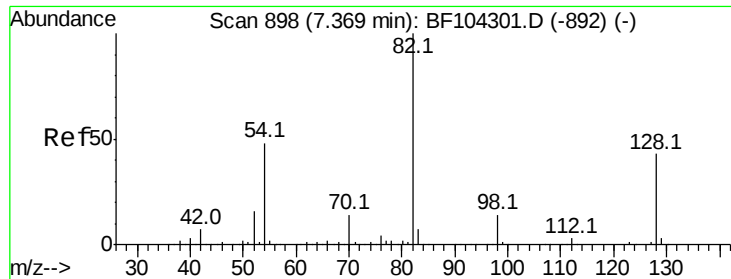
136 100

137 10.9 8.9 13.3

54 6.6 6.6 9.8

68 6.2 5.0 7.4

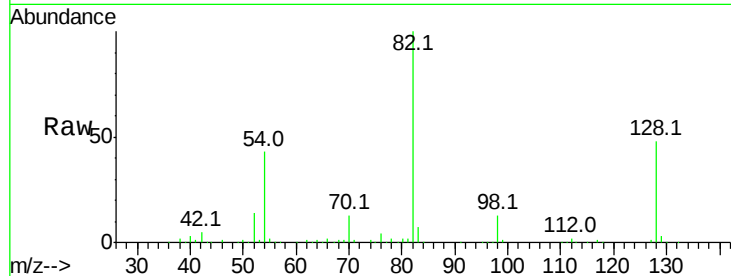




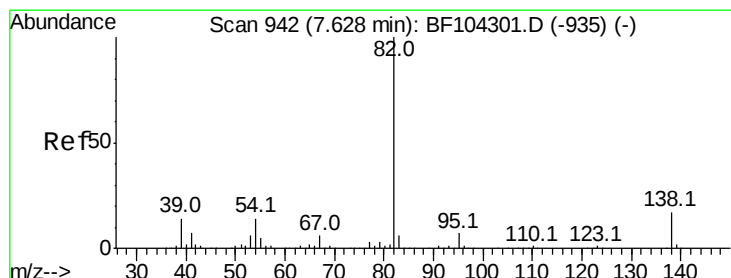
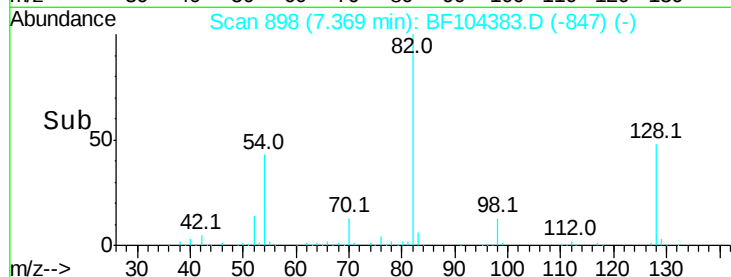
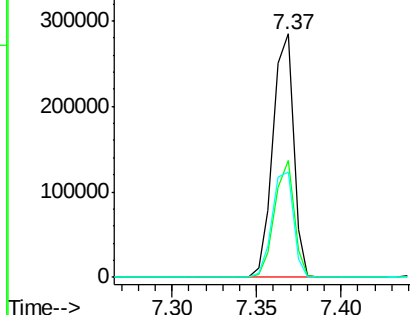
#23
Nitrobenzene-d5
Concen: 27.605 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 242726
Ion Ratio Lower Upper
82 100
128 47.8 36.1 54.1
54 43.3 41.4 62.2

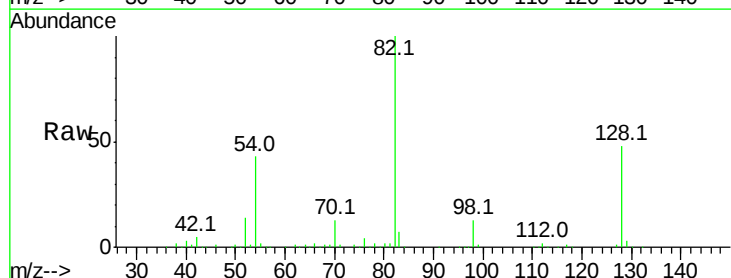


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

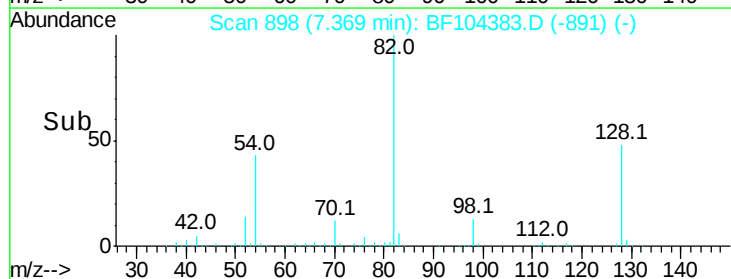
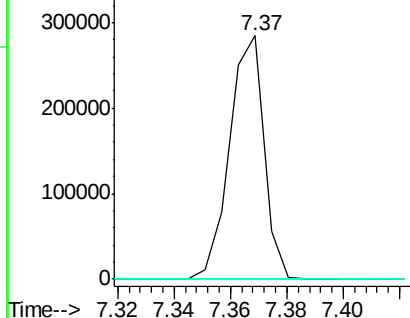


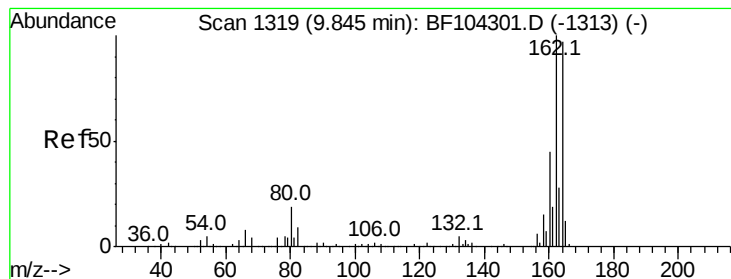
#25
Isophorone
Concen: 12.904 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Tgt Ion: 82 Resp: 239939
Ion Ratio Lower Upper
82 100
95 0.3 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

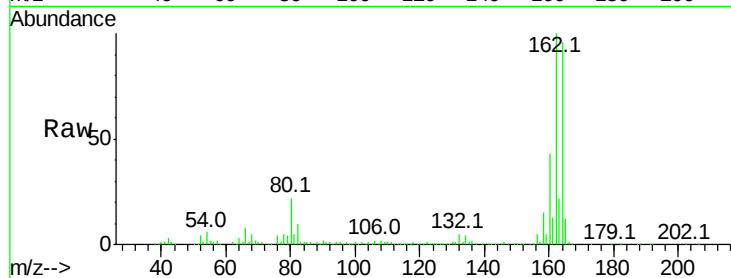
Tot Ion:164 Resp: 237839

Ion Ratio Lower Upper

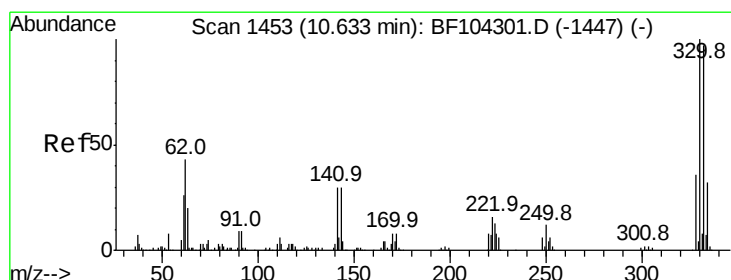
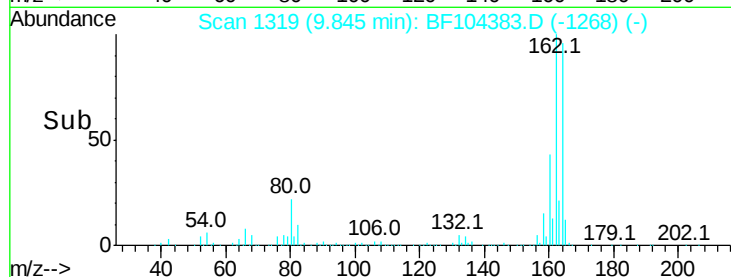
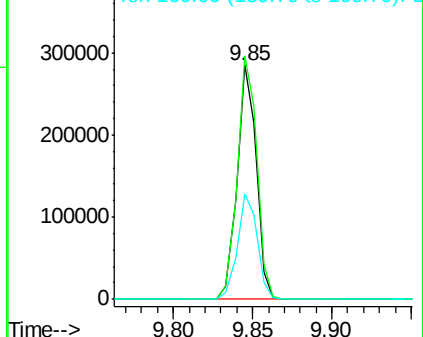
164 100

162 104.0 86.1 129.1

160 44.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 31.137 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

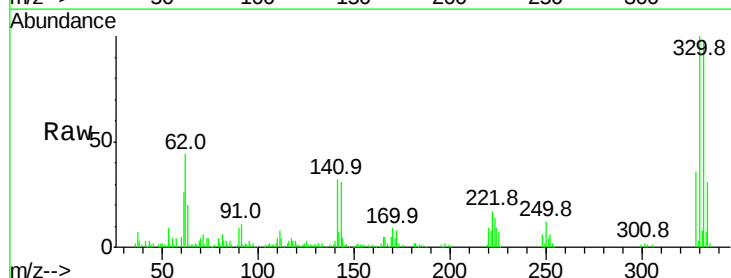
Tgt Ion:330 Resp: 76819

Ion Ratio Lower Upper

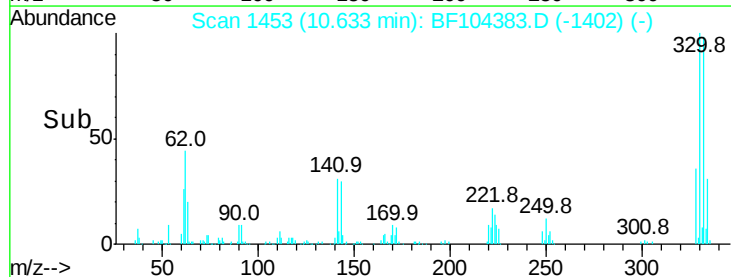
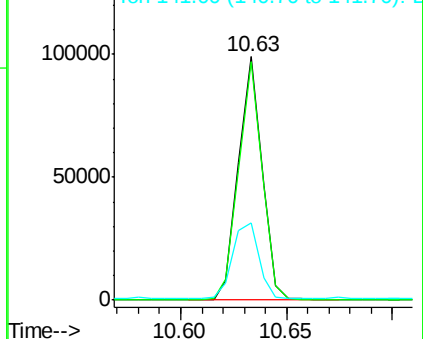
330 100

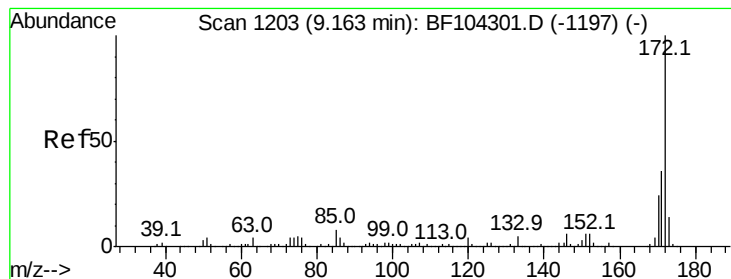
332 97.2 77.0 115.6

141 34.6 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: 30.249 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

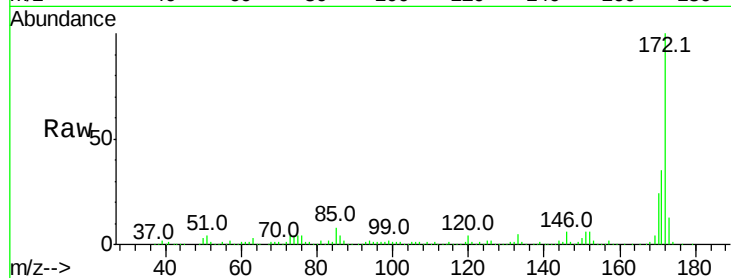
Tot Ion:172 Resp: 455406

Ion Ratio Lower Upper

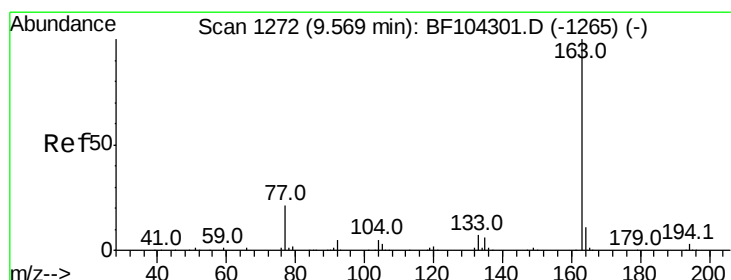
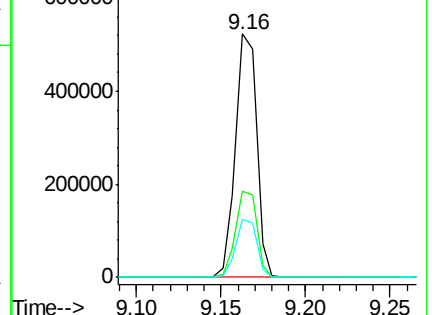
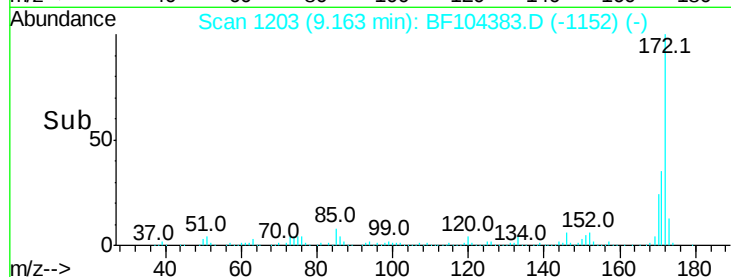
172 100

171 35.4 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



#49

Dimethylphthalate

Concen: 2.529 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

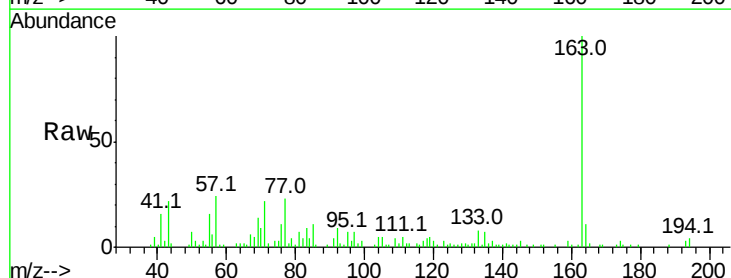
Tgt Ion:163 Resp: 47437

Ion Ratio Lower Upper

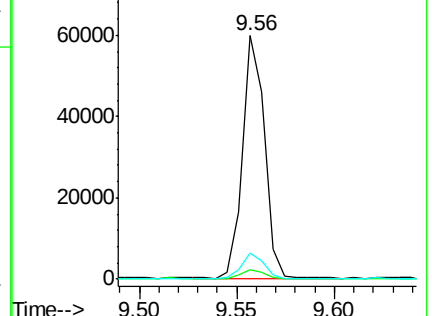
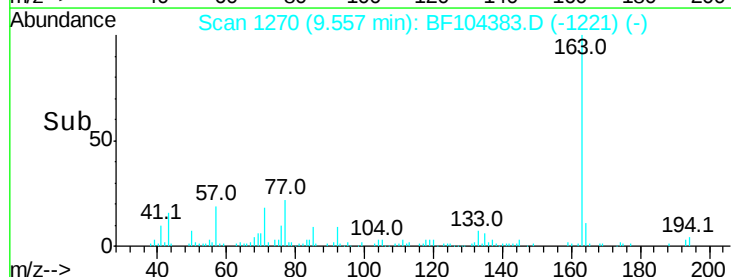
163 100

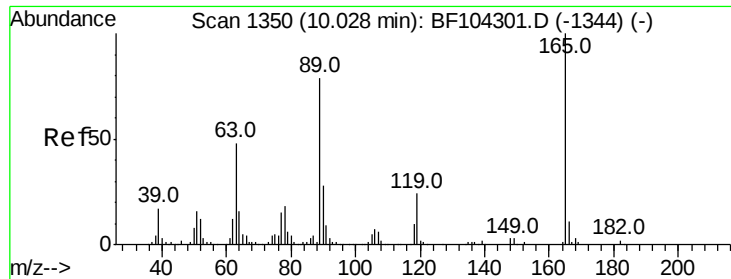
194 4.0 2.7 4.1

164 10.6 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

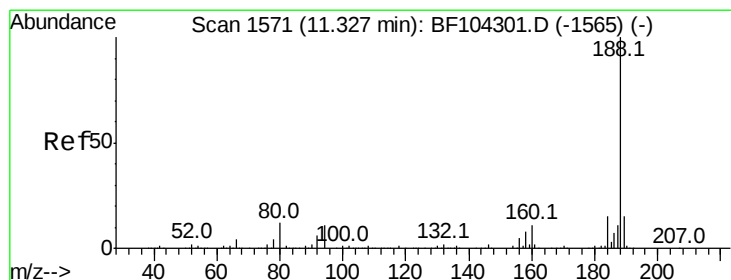
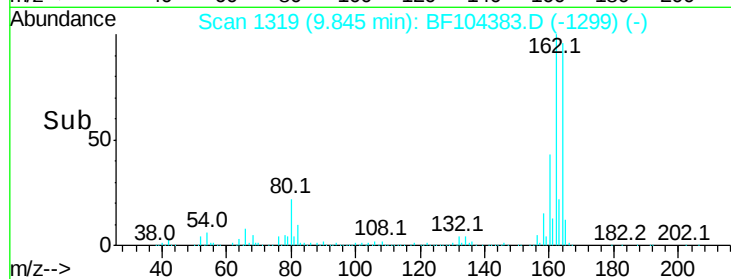
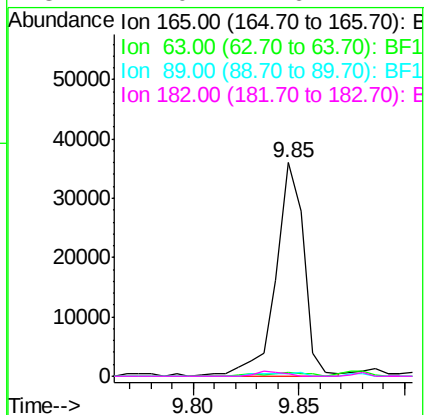
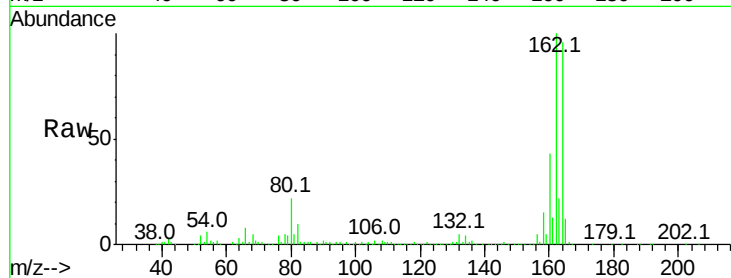




#56
 2,4-Dinitrotoluene
 Concen: 7.299 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104383.D
 Acq: 9 Apr 2018 20:09

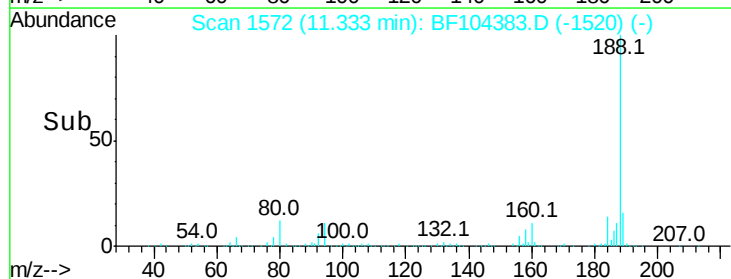
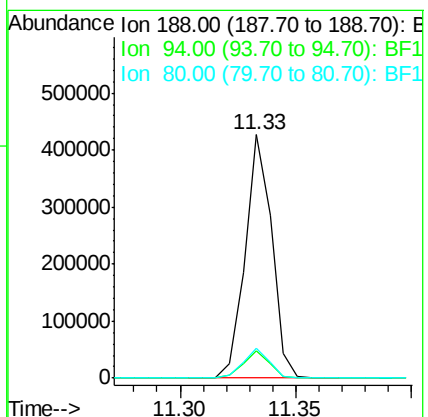
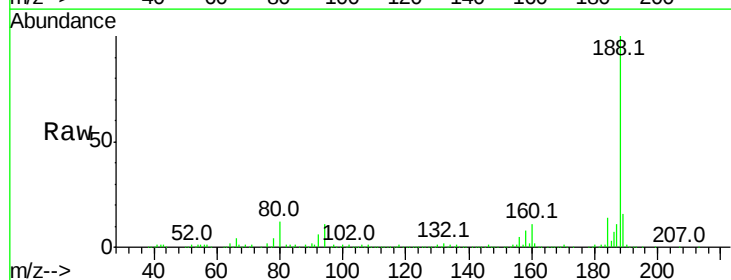
Instrument :
 BNA_F
 ClientSampleId :

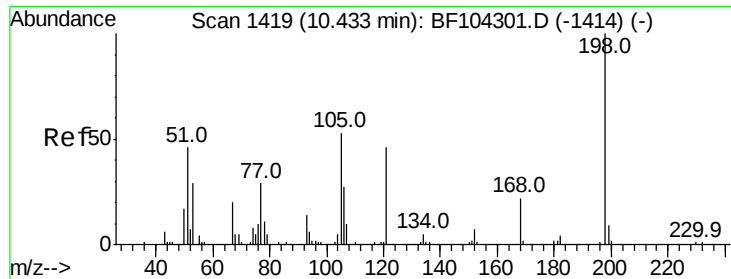
Tot Ion:165 Resp: 33226
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.5 57.8 86.6#
 182 1.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104383.D
 Acq: 9 Apr 2018 20:09

Tgt Ion:188 Resp: 342250
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.1 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.405 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.24 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

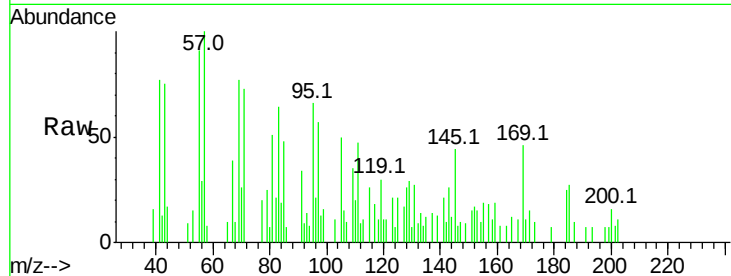
Tot Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 126.4 37.7 77.7#

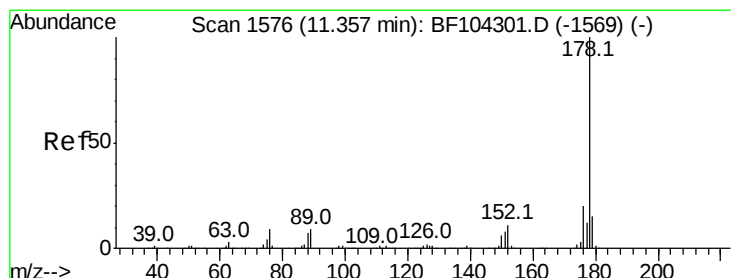
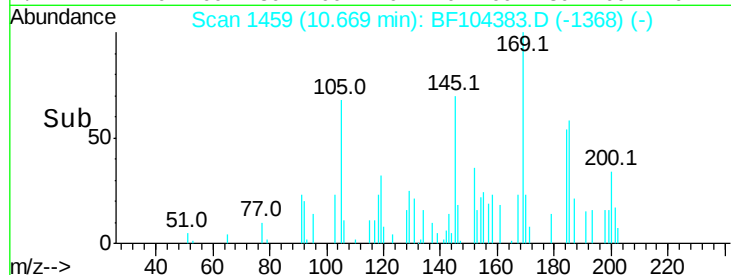
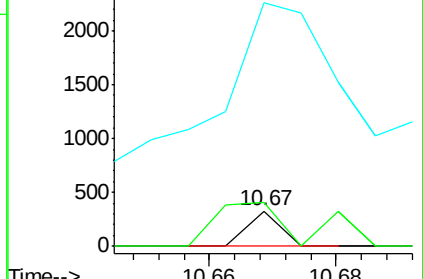
105 692.9 36.3 76.3#



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



#70

Phenanthrene

Concen: 3.083 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

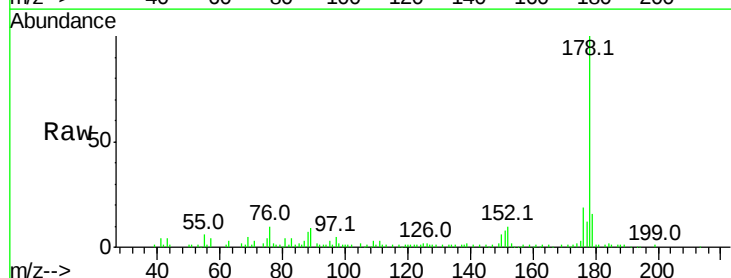
Tgt Ion:178 Resp: 58758

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

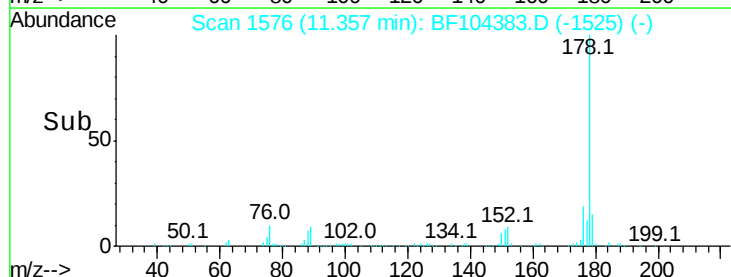
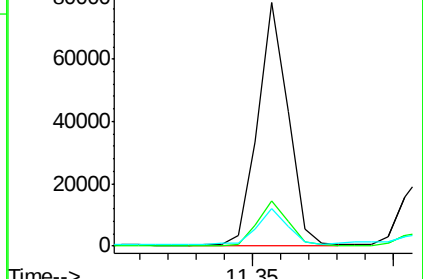
179 15.6 13.0 19.6

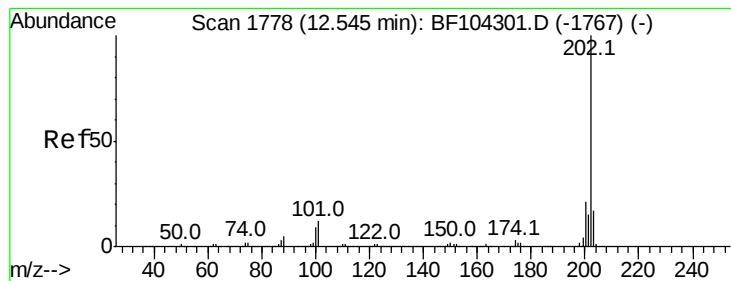


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.139 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

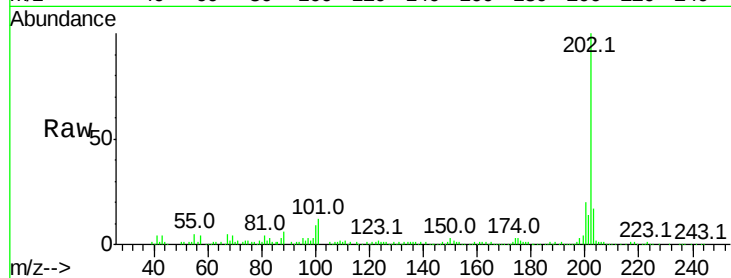
Tot Ion:202 Resp: 122246

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

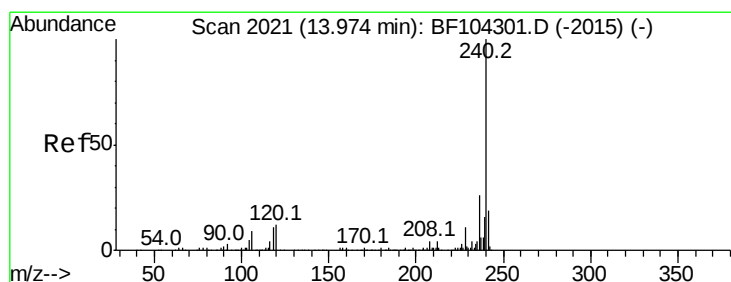
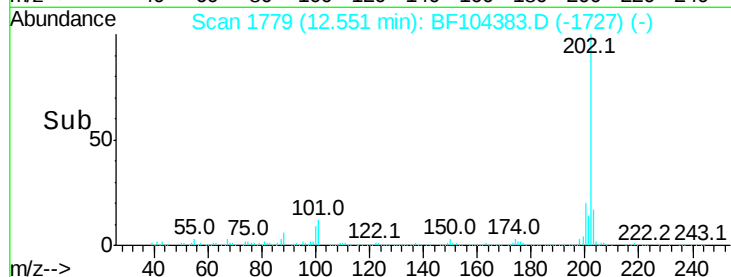
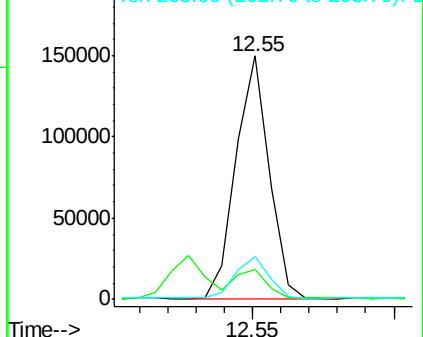
203 17.3 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

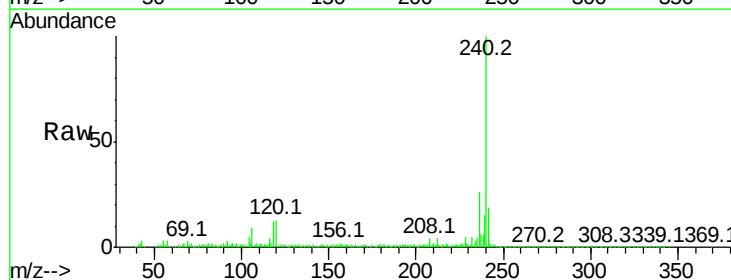
Tgt Ion:240 Resp: 276431

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

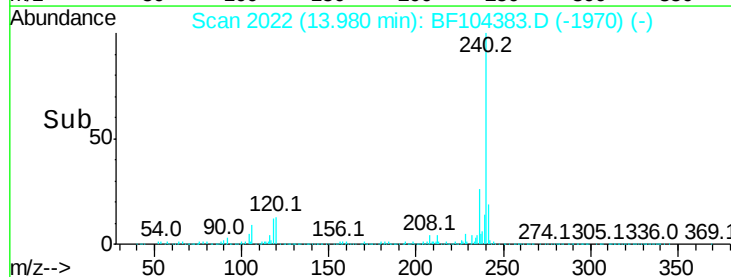
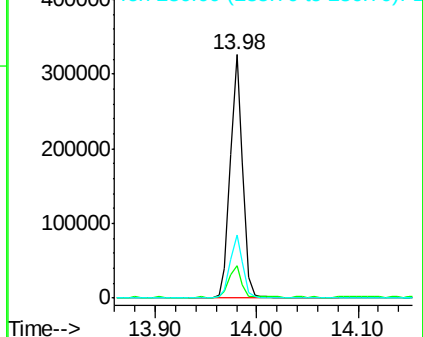
236 25.8 20.7 31.1

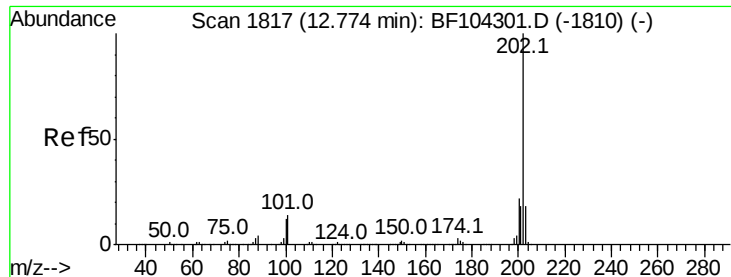


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.322 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

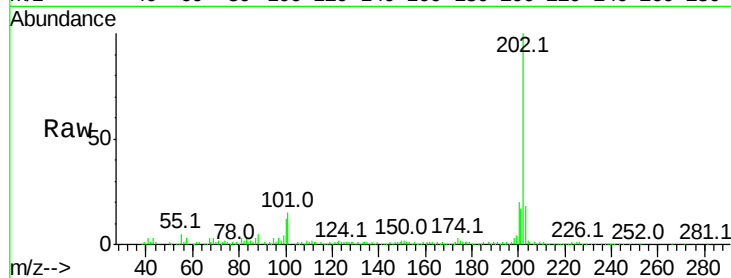
Tot Ion:202 Resp: 129547

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

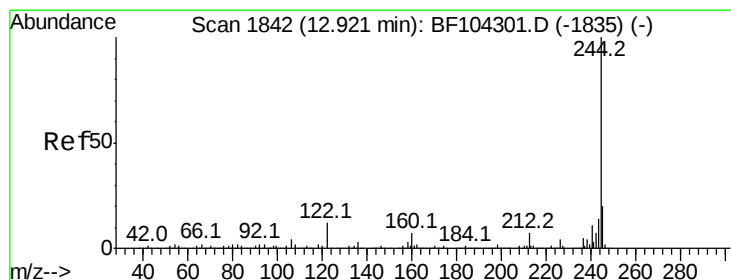
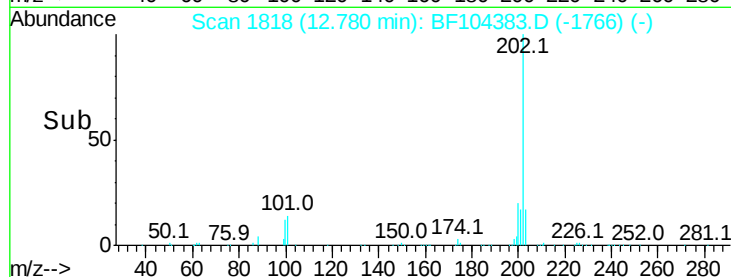
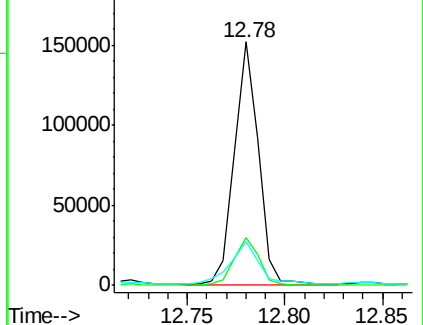
203 17.9 14.3 21.5



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: 25.615 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

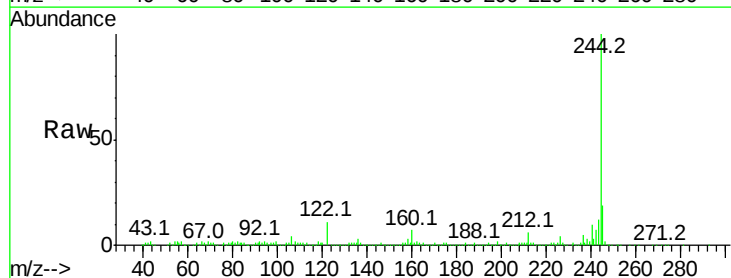
Tgt Ion:244 Resp: 310586

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

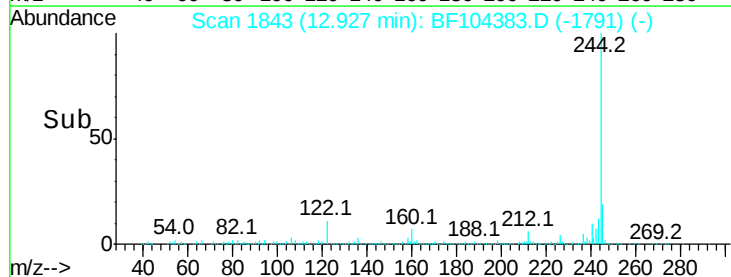
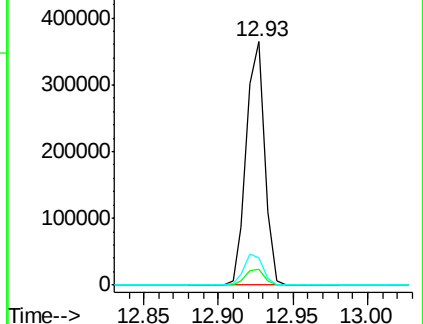
122 11.3 11.0 16.4

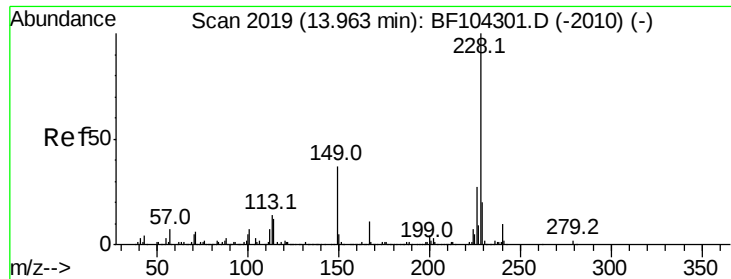


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

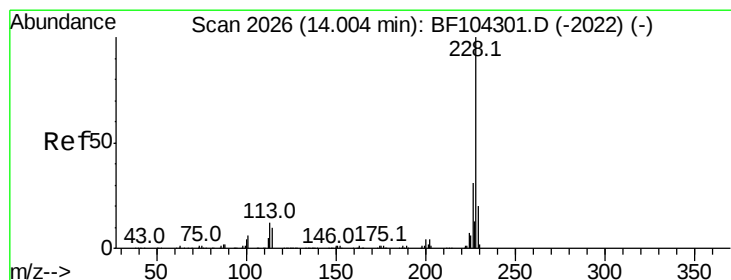
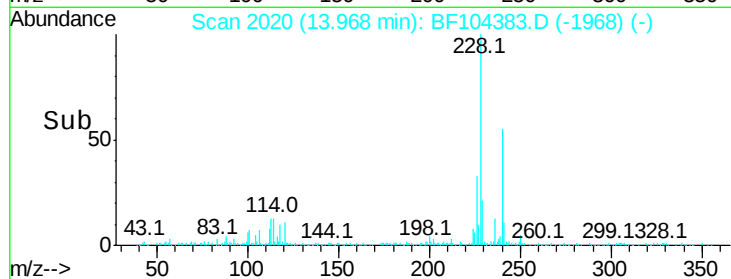
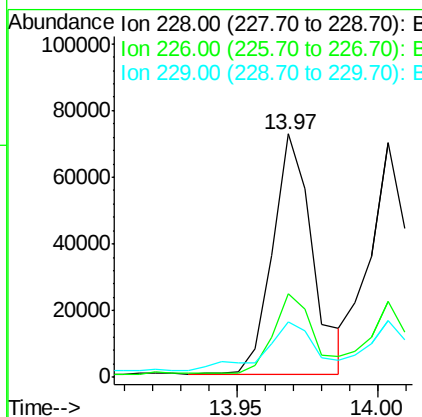
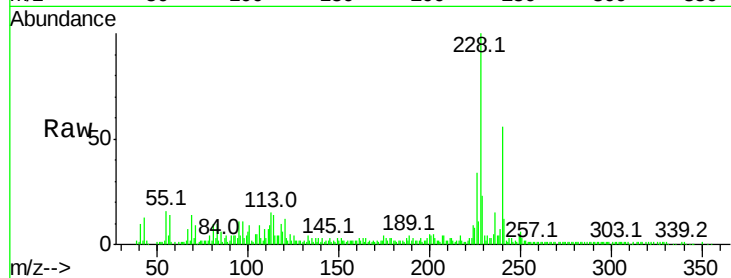




#80
Benzo(a)anthracene
Concen: 4.285 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

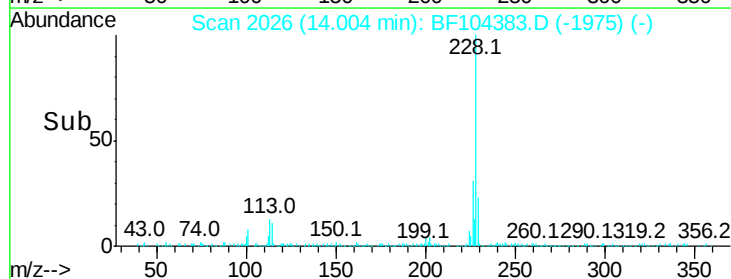
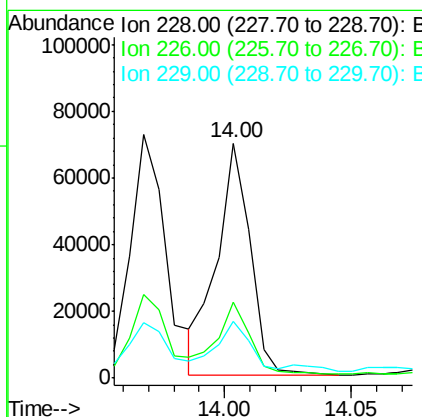
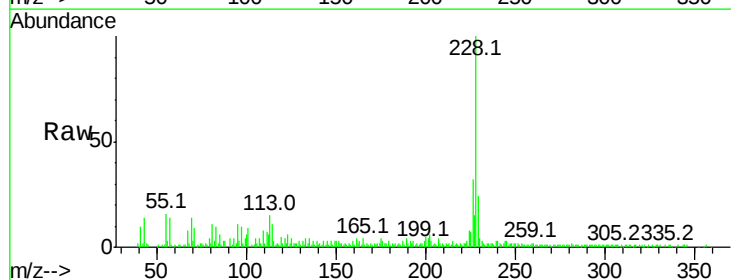
Instrument :
BNA_F
ClientSampleId :

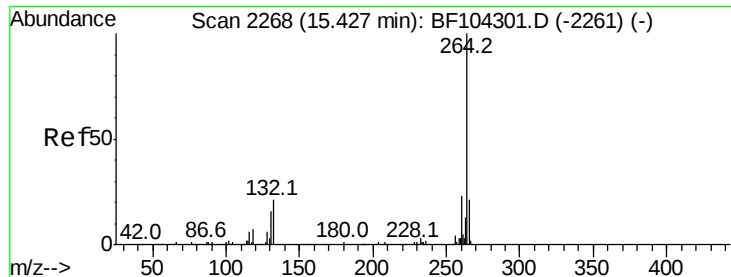
Tot Ion:228 Resp: 70763
Ion Ratio Lower Upper
228 100
226 34.1 22.6 33.8#
229 22.6 15.8 23.6



#82
Chrysene
Concen: 3.752 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Tgt Ion:228 Resp: 63646
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 24.3 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.02 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

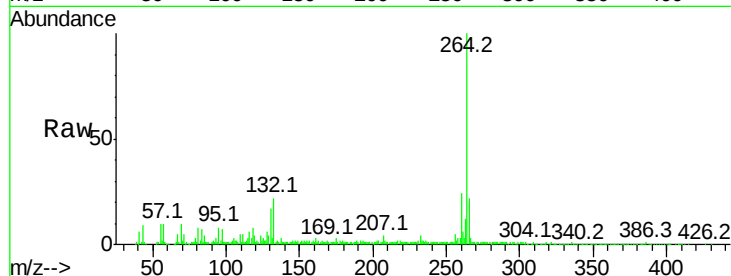
Tot Ion:264 Resp: 195791

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

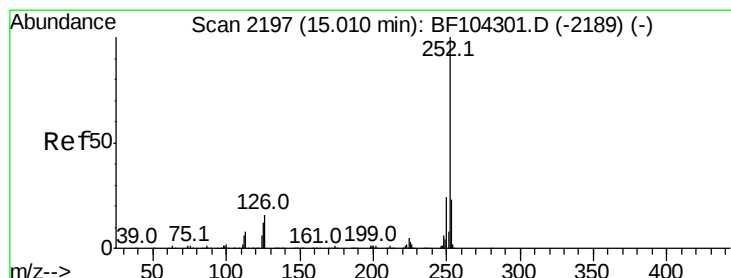
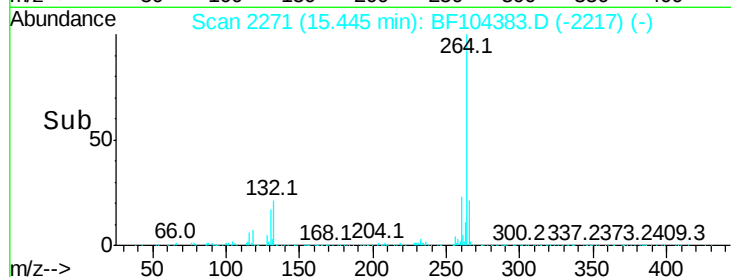
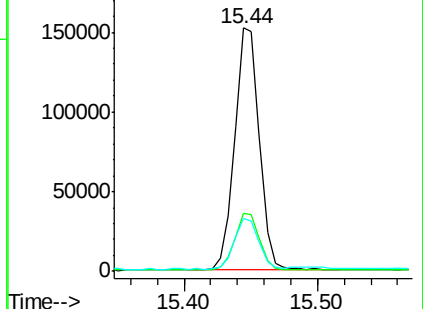
265 21.6 17.5 26.3



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: 7.504 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

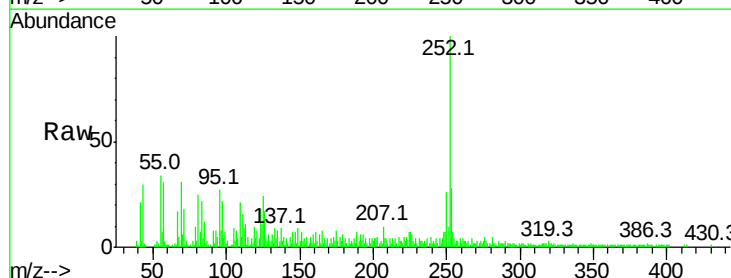
Tgt Ion:252 Resp: 92790

Ion Ratio Lower Upper

252 100

253 27.7 17.0 25.6#

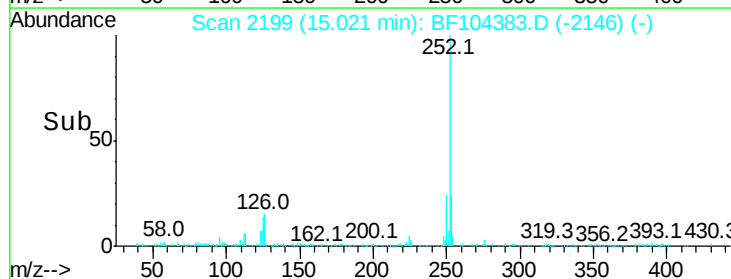
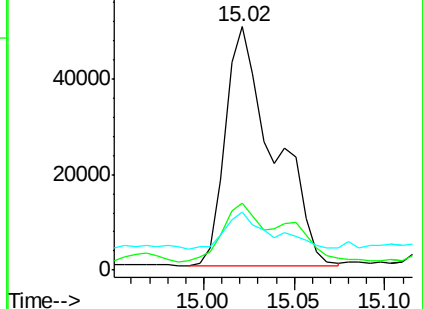
125 23.9 9.0 13.6#

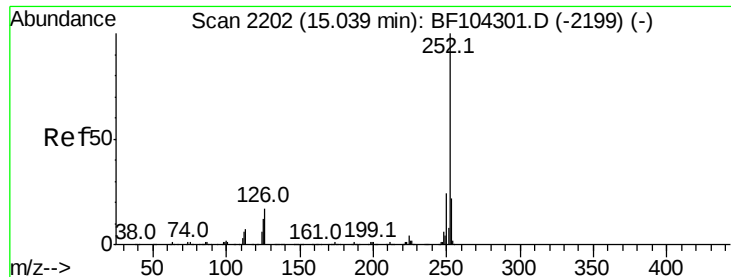


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

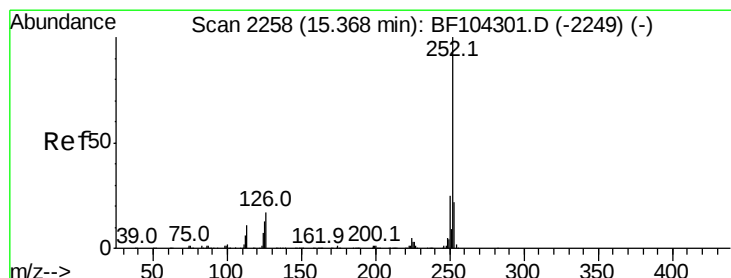
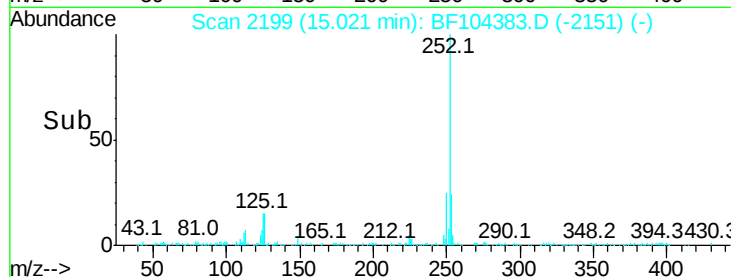
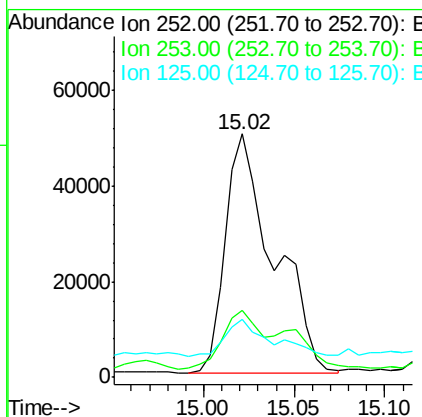
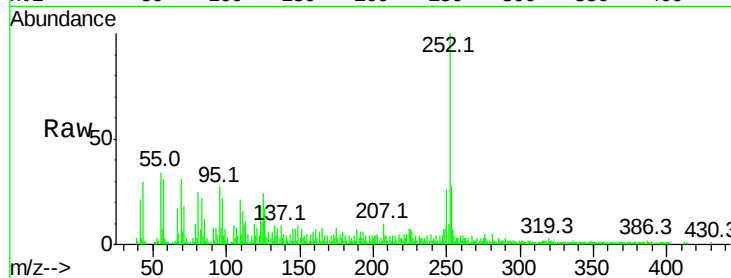




#88
Benzo(k)fluoranthene
Concen: 7.948 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

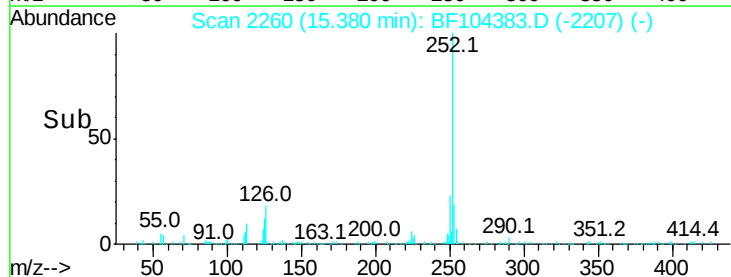
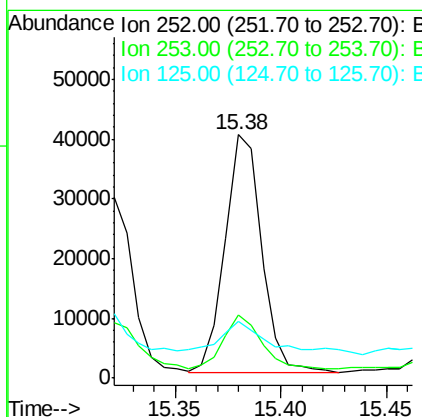
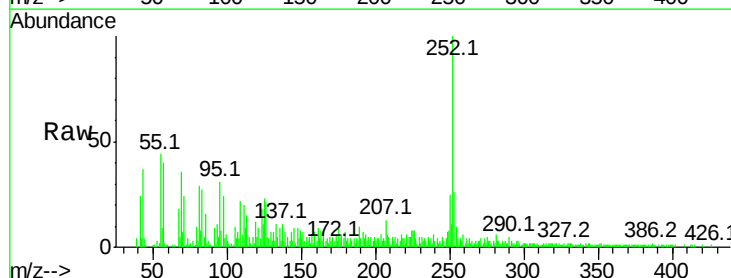
Instrument :
BNA_F
ClientSampleId :

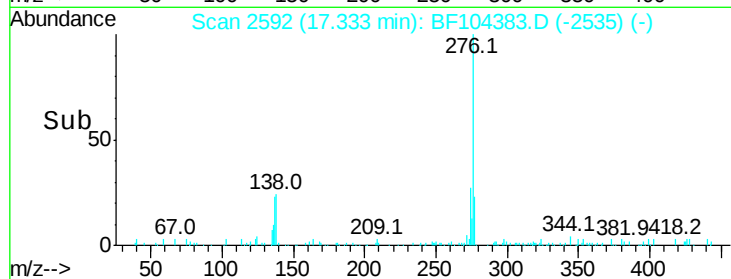
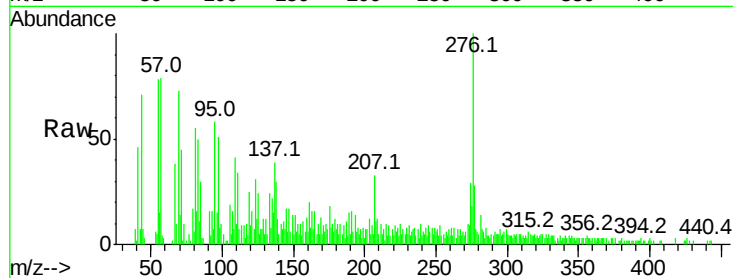
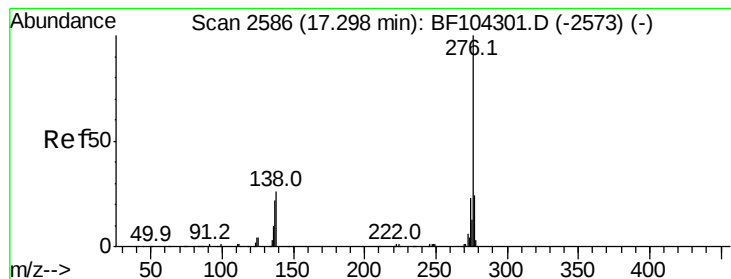
Tot Ion:252 Resp: 92790
Ion Ratio Lower Upper
252 100
253 27.7 17.9 26.9#
125 23.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 4.296 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF104383.D
Acq: 9 Apr 2018 20:09

Tgt Ion:252 Resp: 47532
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 23.2 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.289 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.04 min

Lab File: BF104383.D

Acq: 9 Apr 2018 20:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 28958

Ion Ratio Lower Upper

276 100

277 28.5 17.9 26.9#

138 29.5 21.8 32.8

