

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121918\
 Data File : BF111616.D
 Acq On : 20 Dec 2018 3:15
 Operator : JU/SJ
 Sample : J6386-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-02

Quant Time: Dec 20 04:42:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	197772	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	686983	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	311397	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	524119	20.00	ng	0.00
76) Chrysene-d12	14.05	240	452473	20.00	ng	0.00
87) Perylene-d12	15.53	264	309341	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1524032	131.35	ng	0.00
7) Phenol-d6	6.53	99	1918351	129.92	ng	0.00
23) Nitrobenzene-d5	7.46	82	1142083	96.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	458330	124.57	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1980705	92.71	ng	0.00
79) Terphenyl-d14	13.00	244	1804446	75.63	ng	0.00

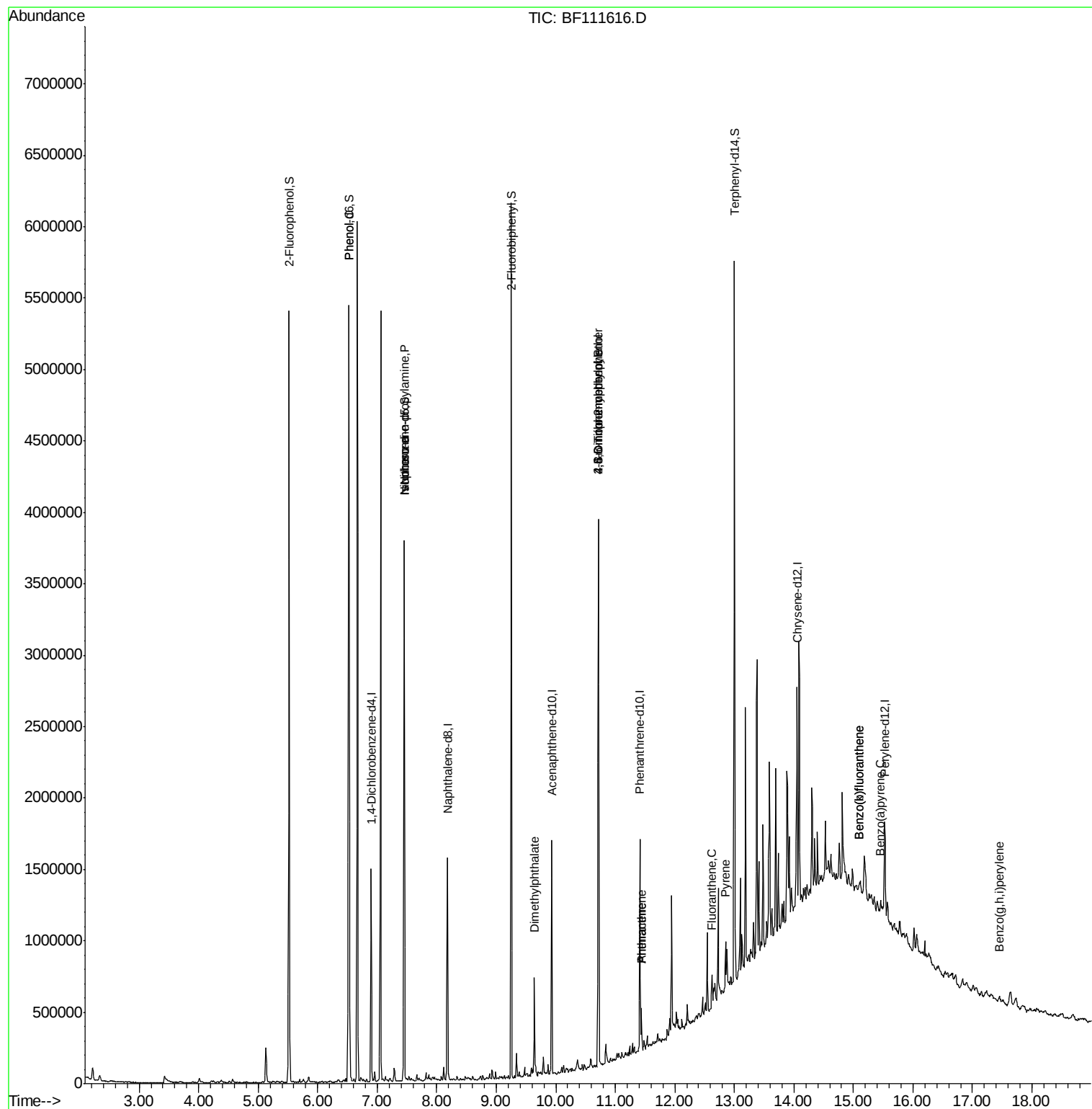
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	138805	8.331	ng	90
19) n-Nitroso-di-n-propylamine	7.46	70	158917	16.205	ng	# 79
25) Isophorone	7.46	82	1139794	54.399	ng	# 64
50) Dimethylphthalate	9.64	163	221274	9.717	ng	99
65) 4,6-Dinitro-2-methylphenol	10.72	198	941	7.067	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	28941	4.452	ng	# 1
71) Phenanthrene	11.44	178	116958	4.208	ng	94
72) Anthracene	11.44	178	116958	4.192	ng	95
75) Fluoranthene	12.62	202	80950	2.876	ng	95
78) Pyrene	12.85	202	141642	4.433	ng	94
88) Benzo(b)fluoranthene	15.09	252	46464	2.570	ng	# 52
89) Benzo(k)fluoranthene	15.09	252	46464	2.700	ng	# 52
90) Benzo(a)pyrene	15.46	252	35439	2.158	ng	# 69
92) Benzo(g,h,i)perylene	17.45	276	31604	2.250	ng	# 91

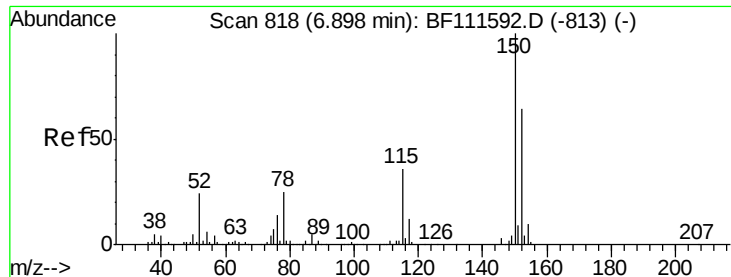
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121918\
Data File : BF111616.D
Acq On : 20 Dec 2018 3:15
Operator : JU/SJ
Sample : J6386-01RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Quant Time: Dec 20 04:42:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration



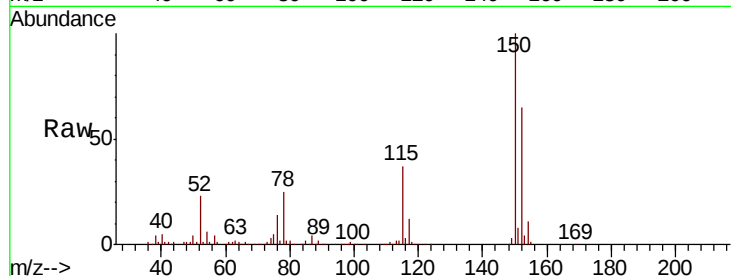


#1

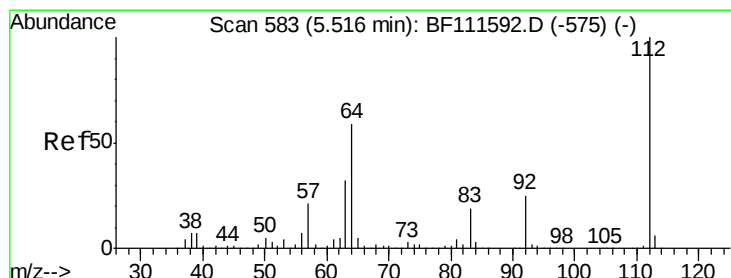
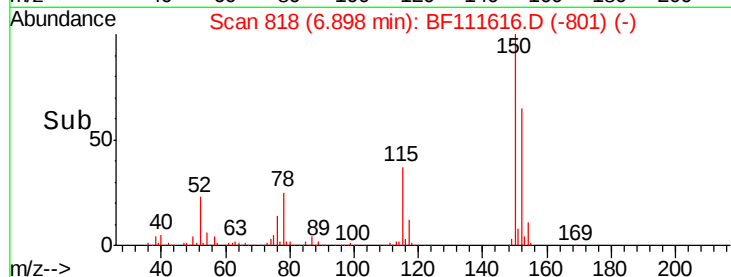
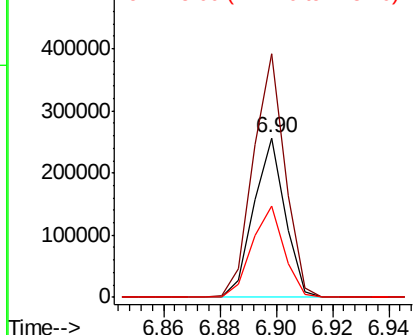
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Tgt Ion:152 Resp: 197772
Ion Ratio Lower Upper
152 100
150 152.8 126.6 189.8
115 57.1 50.7 76.1



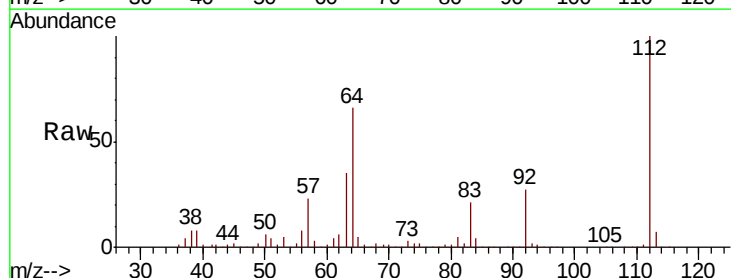
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



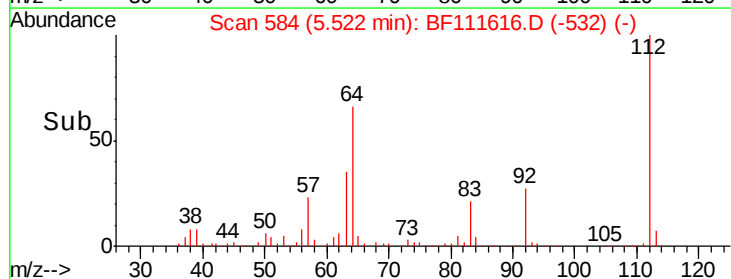
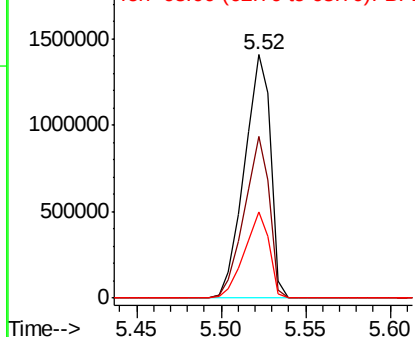
#5

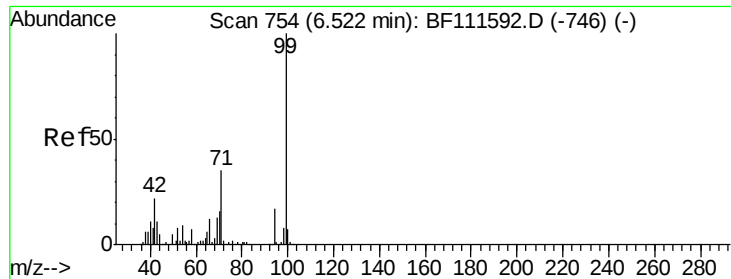
2-Fluorophenol
Concen: 131.351 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Tgt Ion:112 Resp: 1524032
Ion Ratio Lower Upper
112 100
64 66.4 51.8 77.6
63 35.1 26.8 40.2



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: 129.915 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

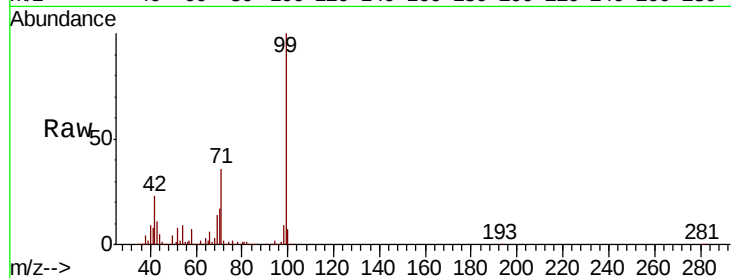
Tgt Ion: 99 Resp: 1918351

Ion Ratio Lower Upper

99 100

42 22.6 17.4 26.0

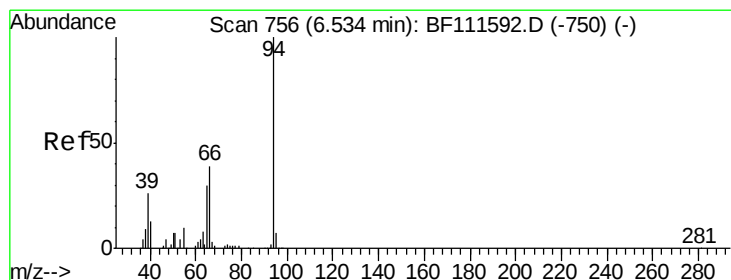
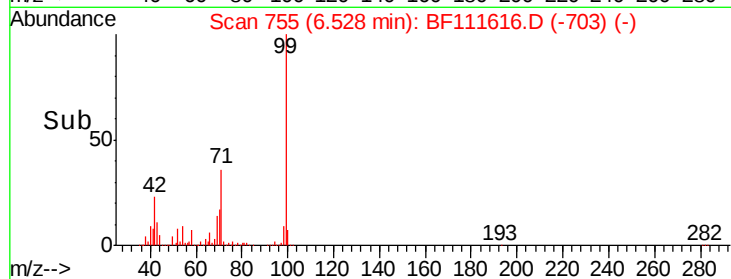
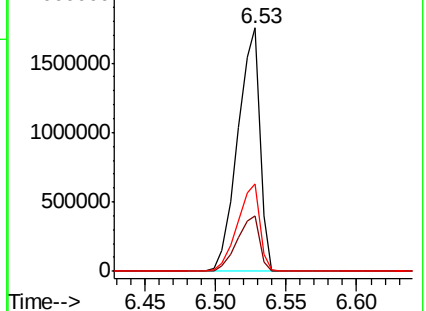
71 36.1 26.1 39.1



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: 8.331 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

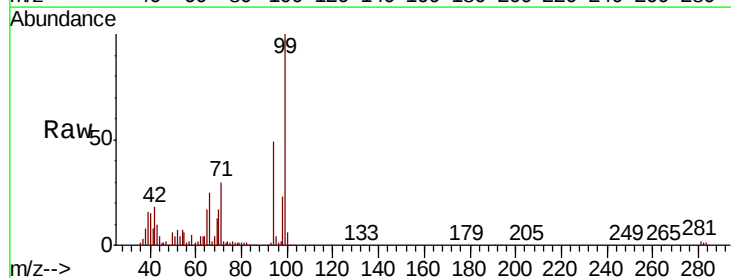
Tgt Ion: 94 Resp: 138805

Ion Ratio Lower Upper

94 100

65 34.2 11.7 51.7

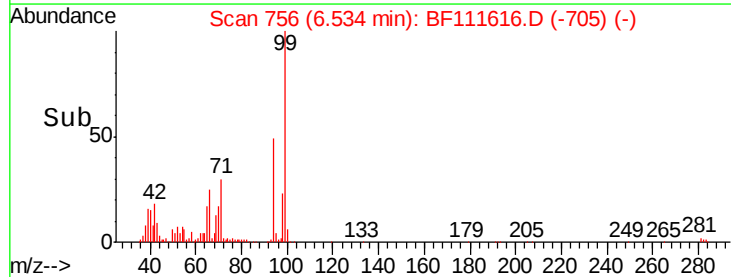
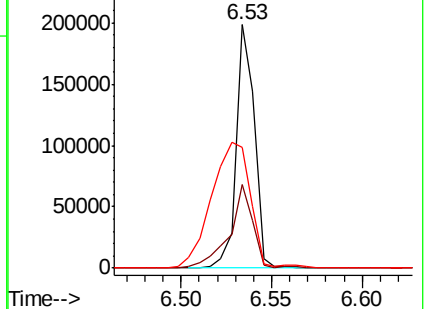
66 49.7 21.0 61.0

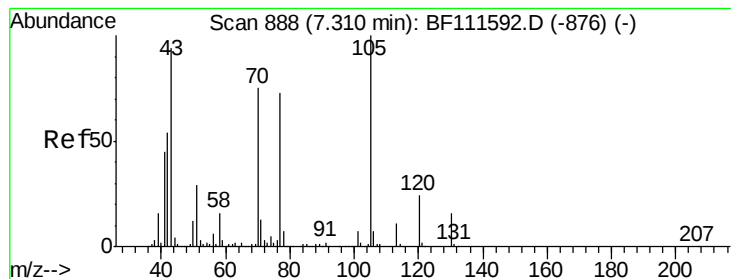


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 16.205 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

Tgt Ion: 70 Resp: 158917

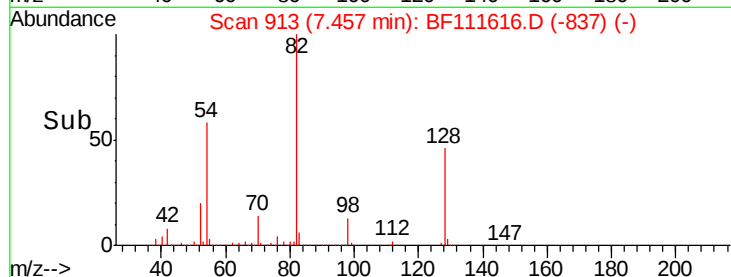
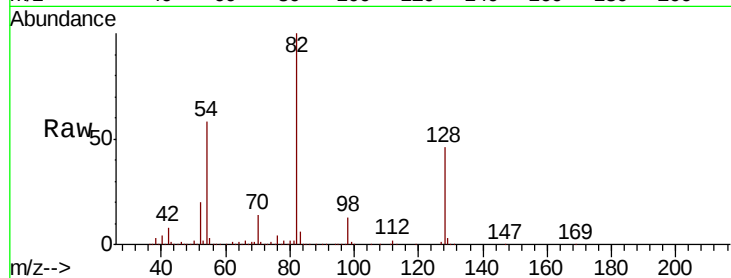
Ion Ratio Lower Upper

70 100

42 55.8 53.2 79.8

101 0.0 8.2 12.4#

130 2.2 18.1 27.1#

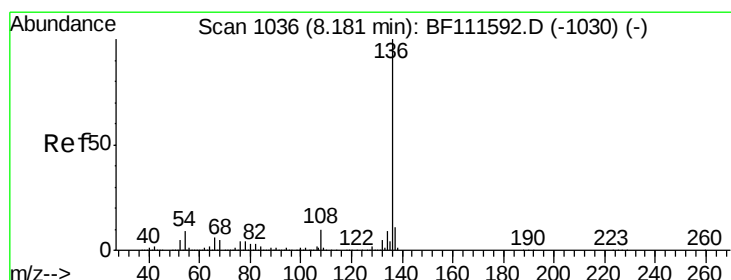
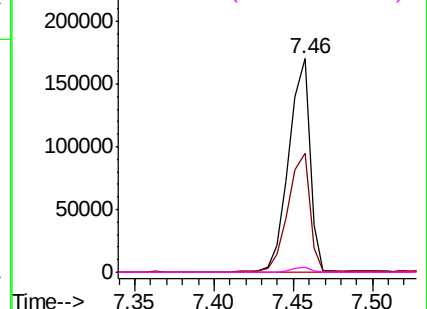


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Tgt Ion: 136 Resp: 686983

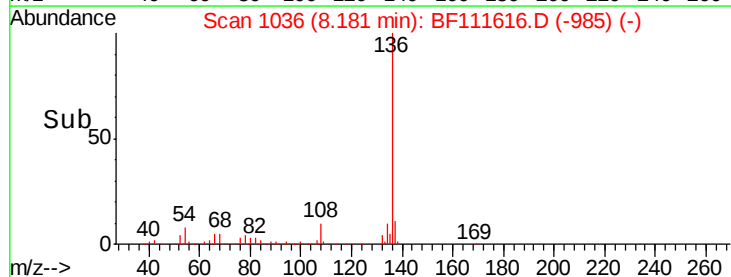
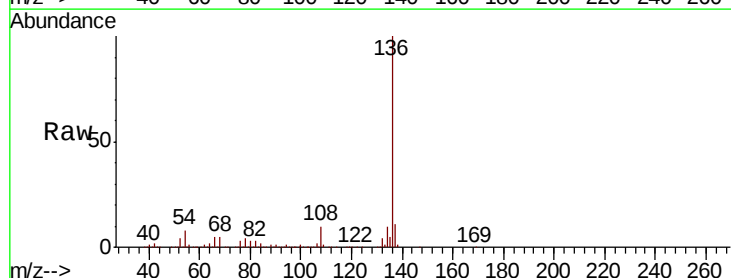
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.2 7.7 11.5

68 5.3 4.9 7.3

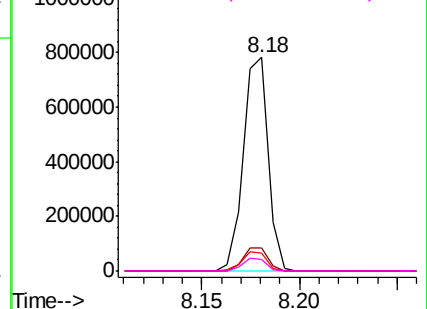


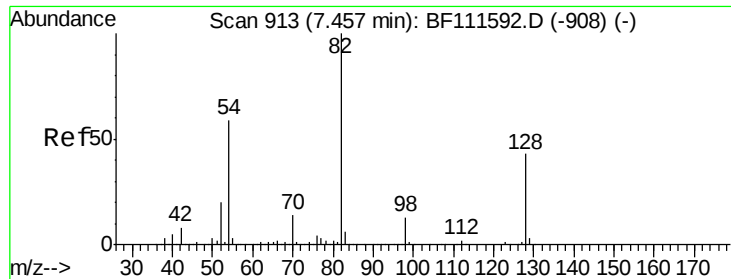
Abundance Ion 136.00 (135.70 to 136.70): E

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

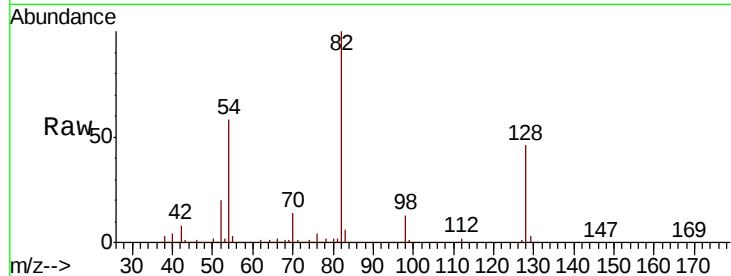




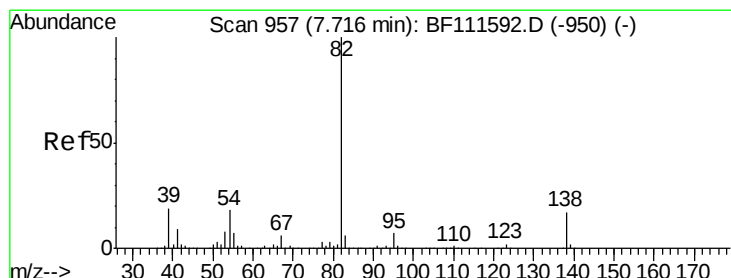
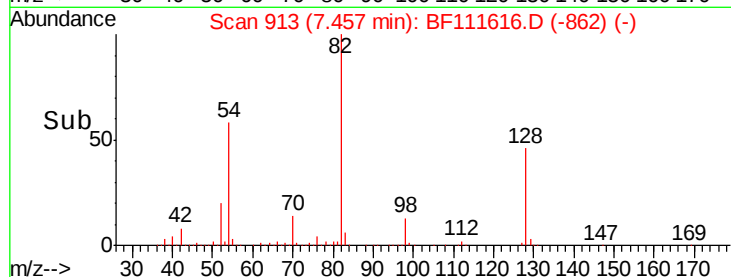
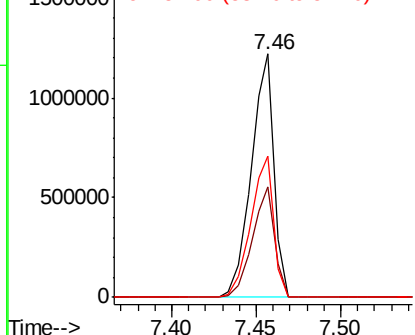
#23
Nitrobenzene-d5
Concen: 96.768 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Tgt Ion: 82 Resp: 1142083
Ion Ratio Lower Upper
82 100
128 45.6 37.4 56.2
54 58.2 47.6 71.4

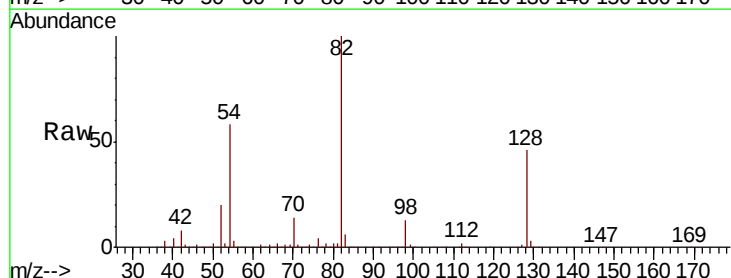


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

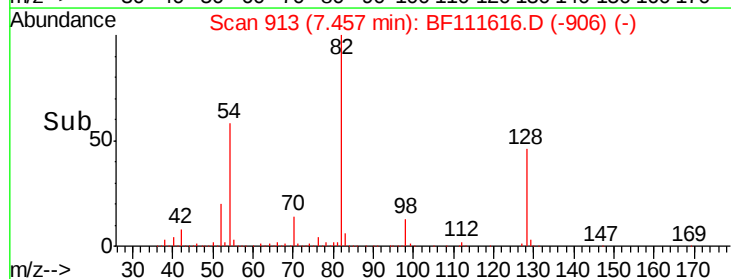
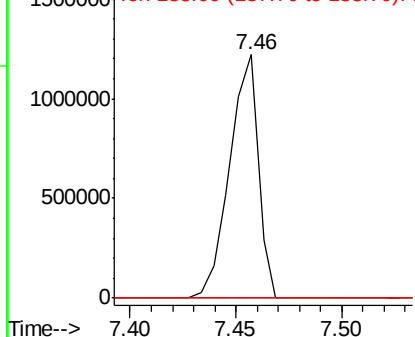


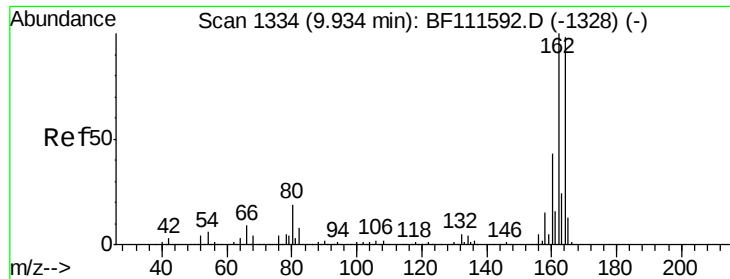
#25
Isophorone
Concen: 54.399 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Tgt Ion: 82 Resp: 1139794
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

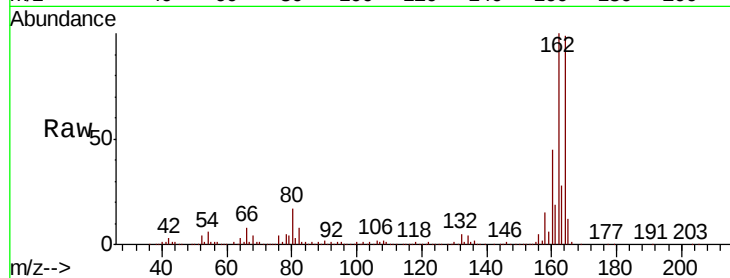
Tgt Ion:164 Resp: 311397

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

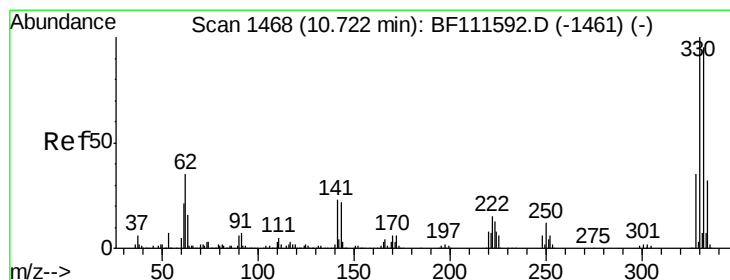
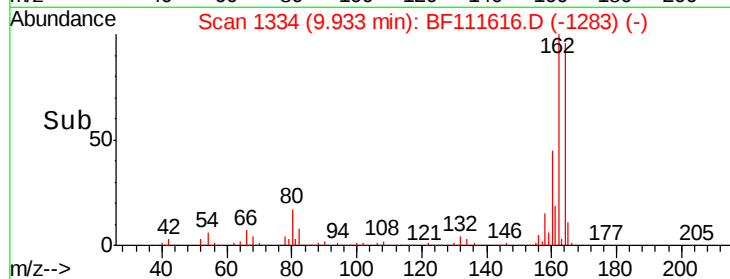
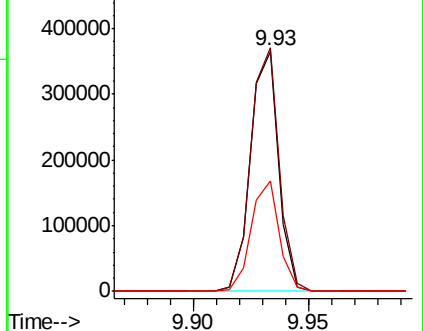
160 45.9 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 124.567 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

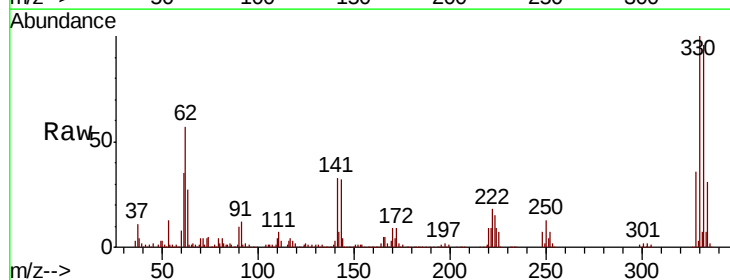
Tgt Ion:330 Resp: 458330

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

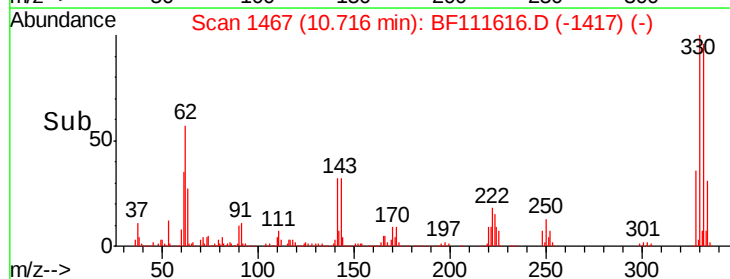
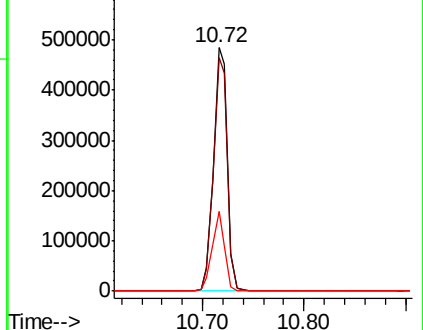
141 29.0 31.0 46.6#

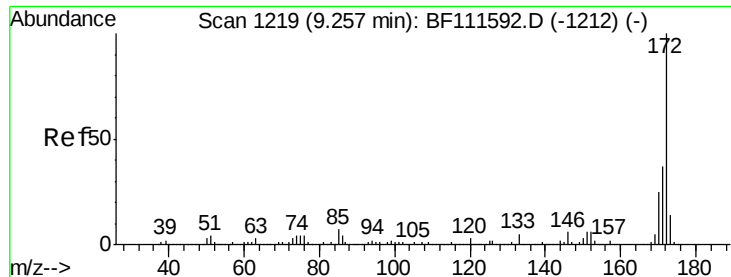


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

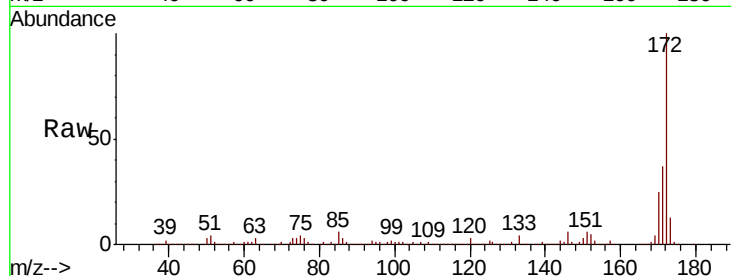




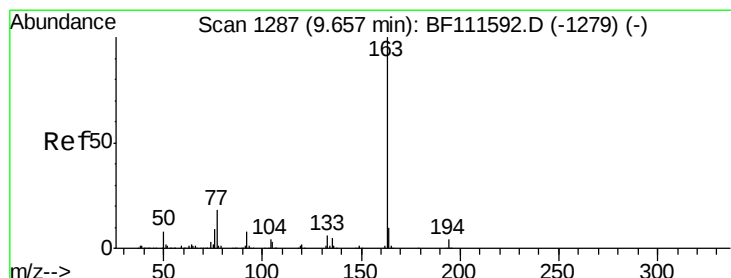
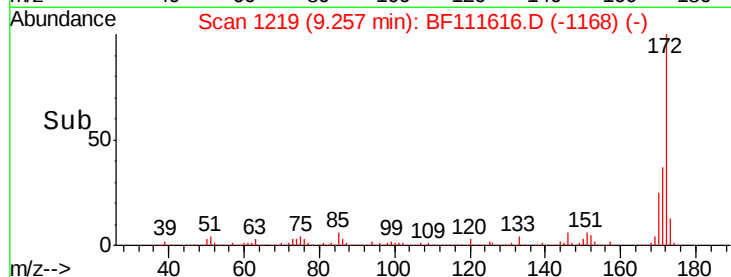
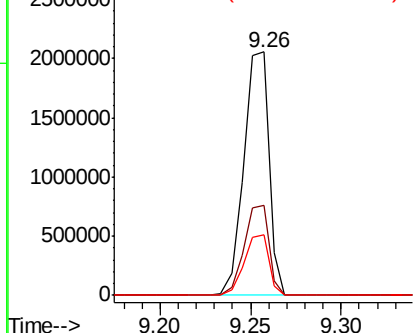
#45
2-Fluorobiphenyl
Concen: 92.712 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Tgt Ion:172 Resp: 1980705
Ion Ratio Lower Upper
172 100
171 37.0 33.0 49.4
170 24.9 22.3 33.5

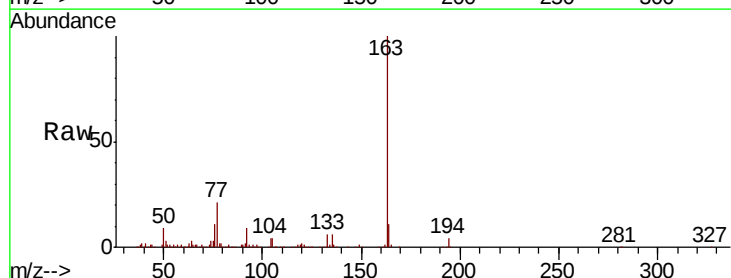


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

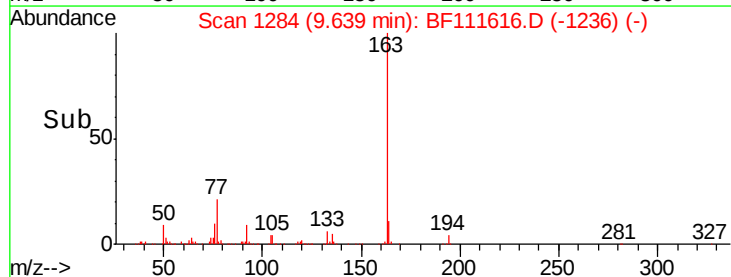
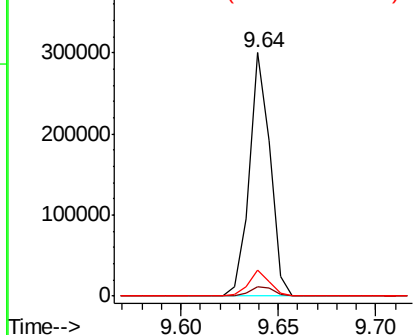


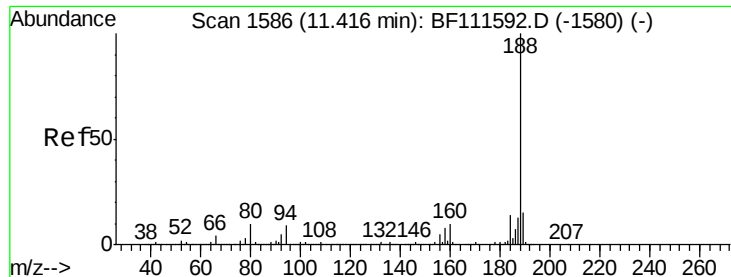
#50
Dimethylphthalate
Concen: 9.717 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Tgt Ion:163 Resp: 221274
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.5 8.9 13.3



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

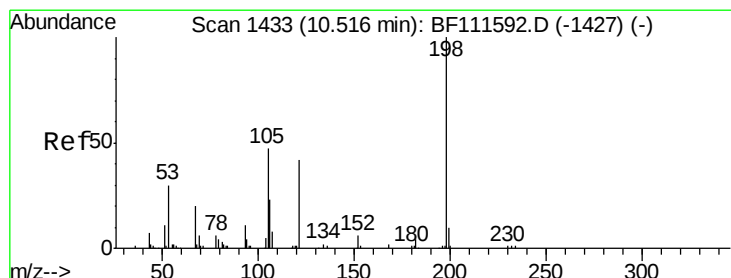
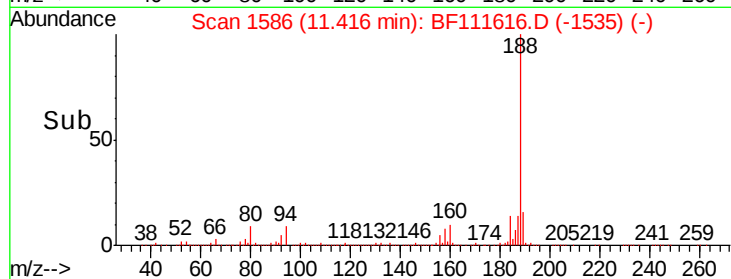
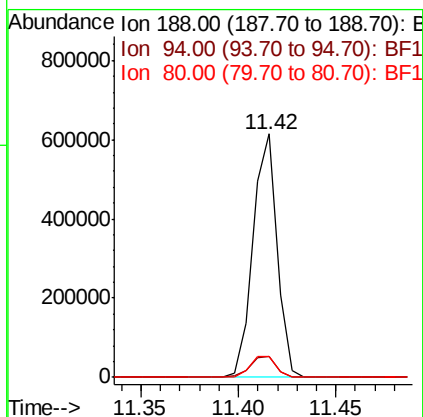
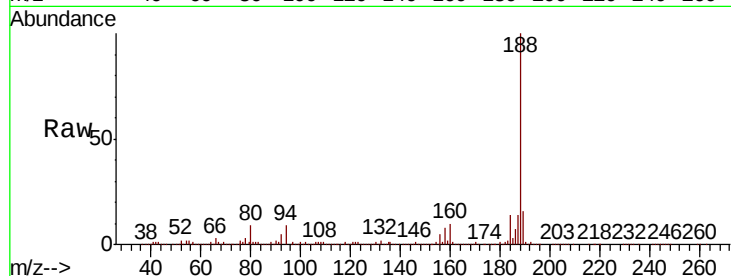




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

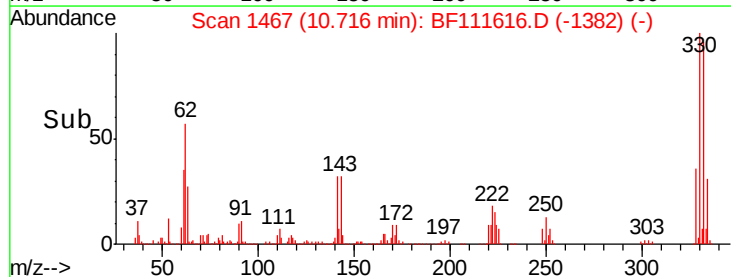
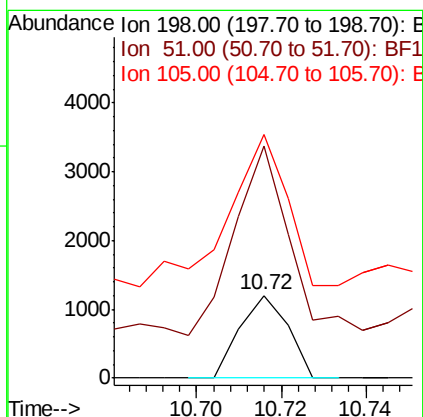
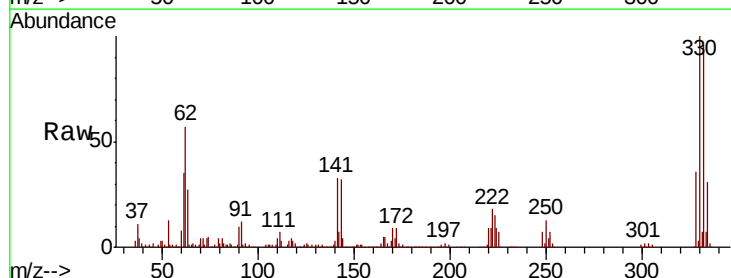
Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

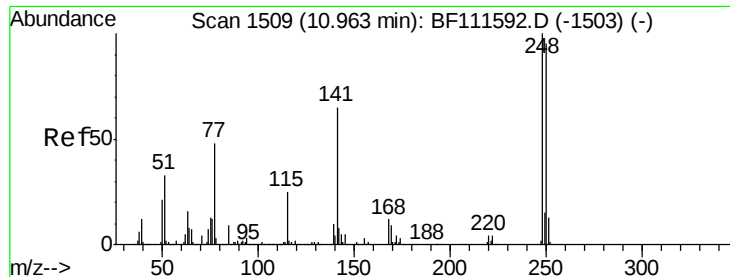
Tgt Ion:188 Resp: 524119
Ion Ratio Lower Upper
188 100
94 8.8 9.6 14.4#
80 8.8 9.8 14.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.067 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Tgt Ion:198 Resp: 941
Ion Ratio Lower Upper
198 100
51 282.1 48.0 88.0#
105 295.3 34.0 74.0#

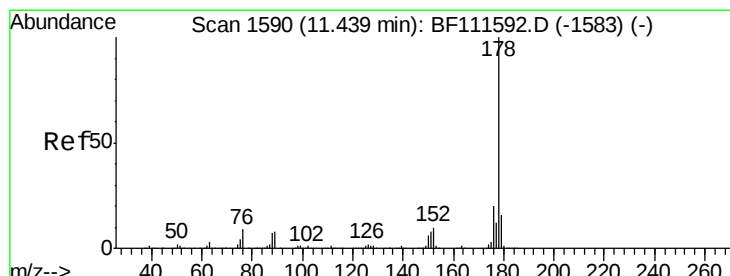
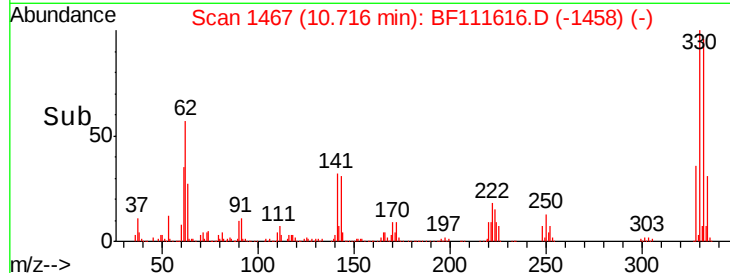
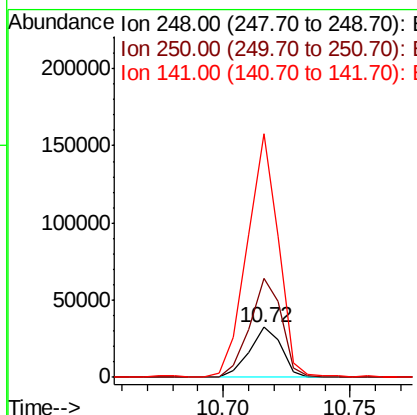
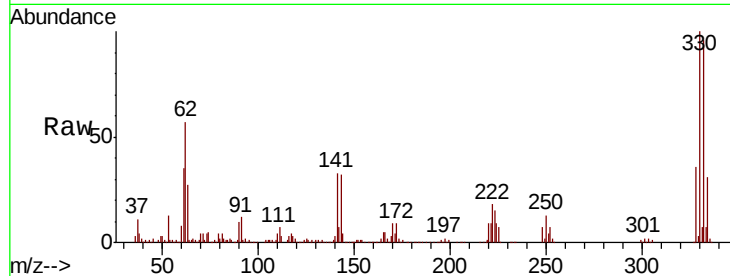




#67
 4-Bromophenyl-phenylether
 Concen: 4.452 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF111616.D
 Acq: 20 Dec 2018 3:15

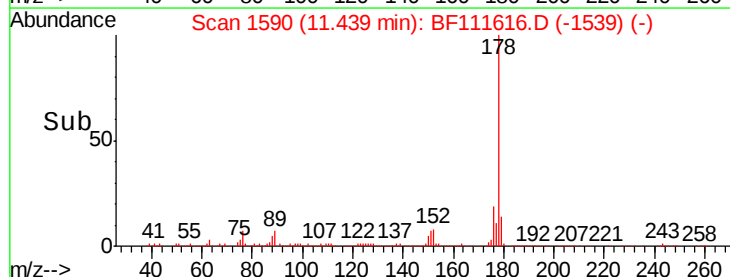
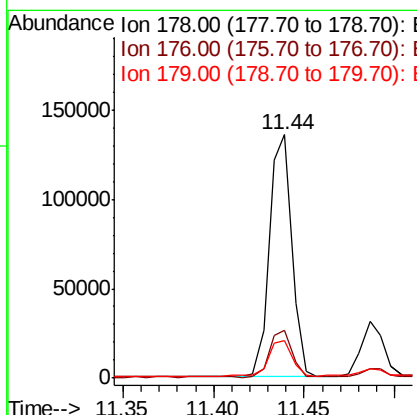
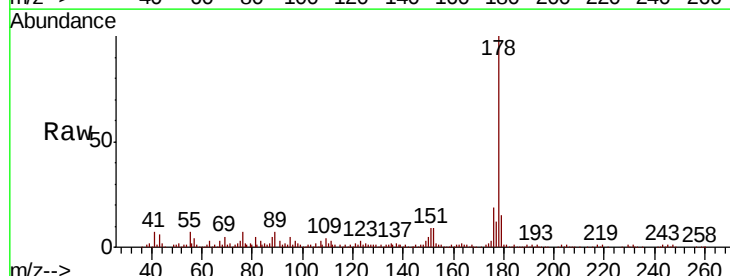
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-02

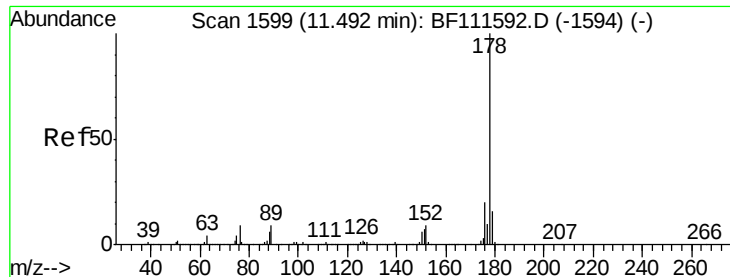
Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.4	77.0	115.4#
141	486.3	63.0	94.6#



#71
 Phenanthrene
 Concen: 4.208 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF111616.D
 Acq: 20 Dec 2018 3:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	18.1	27.1
179	15.3	14.0	21.0





#72

Anthracene

Concen: 4.192 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.05 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

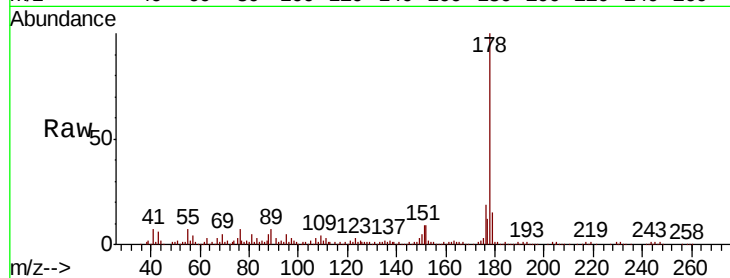
Tgt Ion:178 Resp: 116958

Ion Ratio Lower Upper

178 100

176 19.4 17.2 25.8

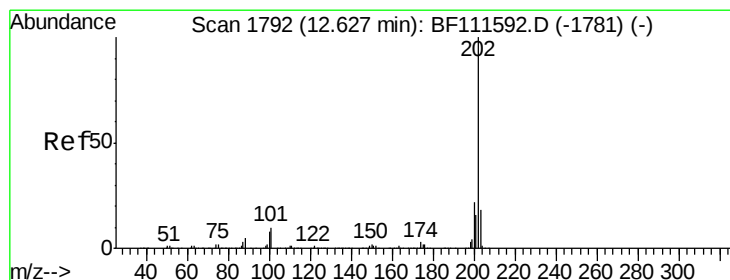
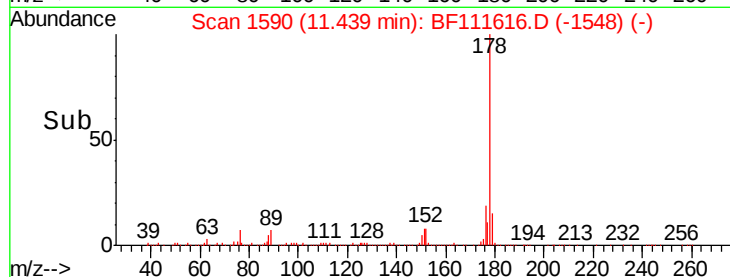
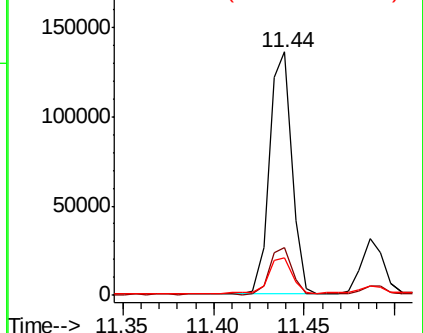
179 15.3 13.8 20.8



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



#75

Fluoranthene

Concen: 2.876 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

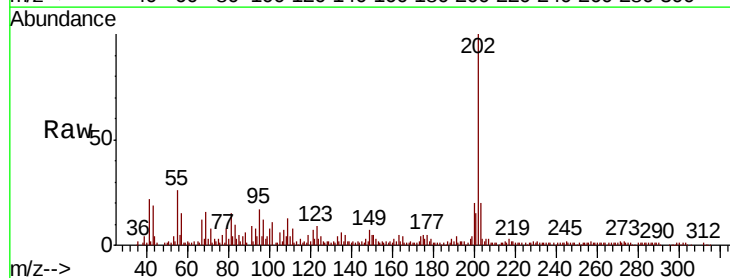
Tgt Ion:202 Resp: 80950

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

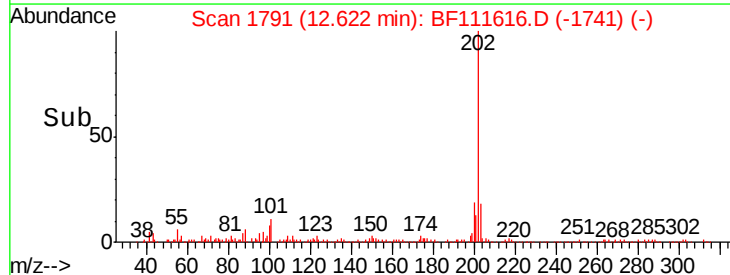
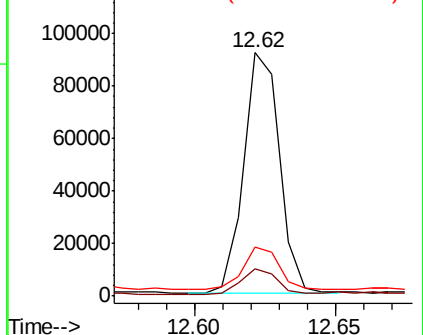
203 19.9 0.0 38.6

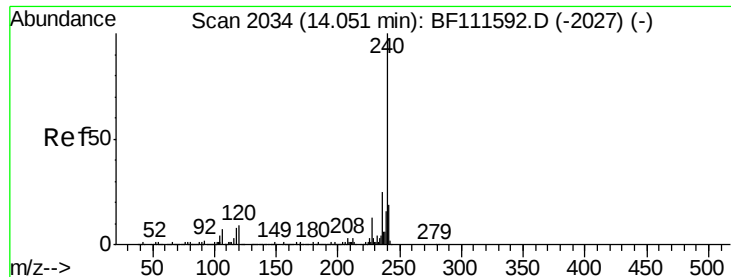


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

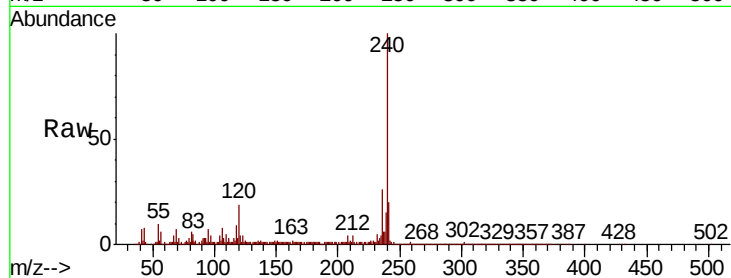




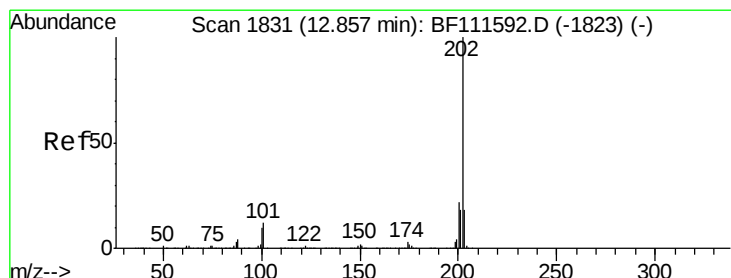
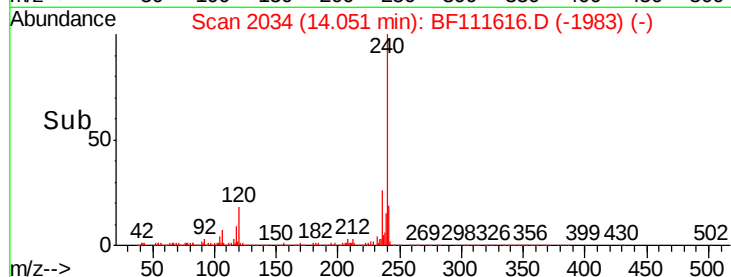
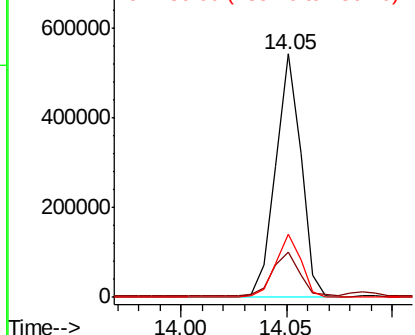
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Tgt Ion:240 Resp: 452473
Ion Ratio Lower Upper
240 100
120 18.8 12.2 18.2#
236 26.1 20.2 30.2

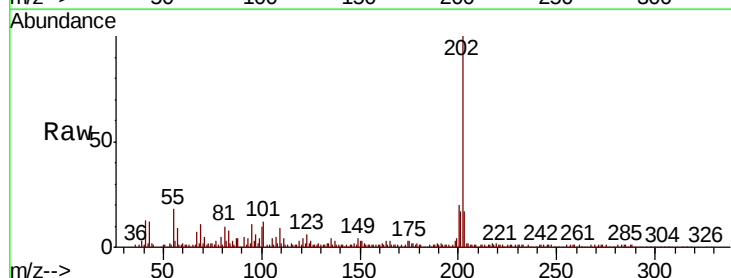


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

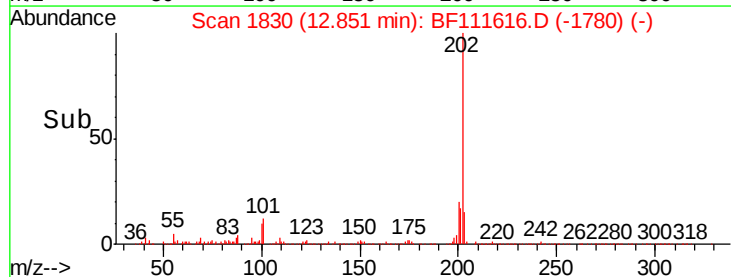
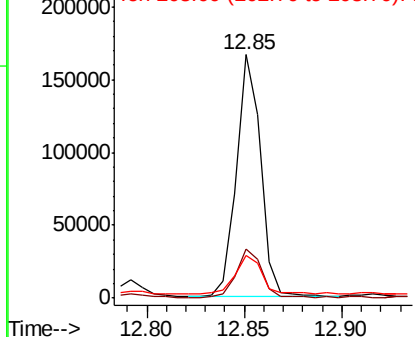


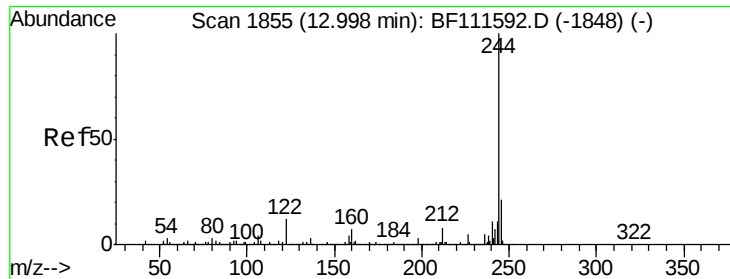
#78
Pyrene
Concen: 4.433 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111616.D
Acq: 20 Dec 2018 3:15

Tgt Ion:202 Resp: 141642
Ion Ratio Lower Upper
202 100
200 20.1 19.0 28.4
203 17.3 15.2 22.8



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





#79

Terphenyl-d14

Concen: 75.628 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

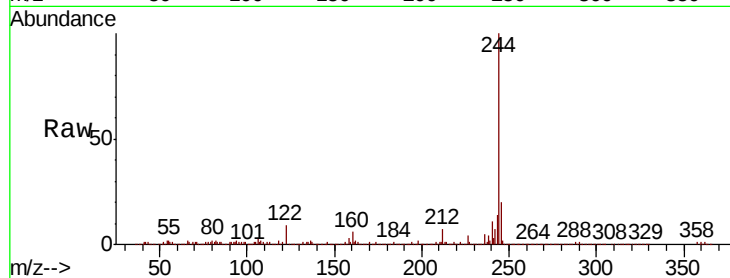
Tgt Ion:244 Resp: 1804446

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

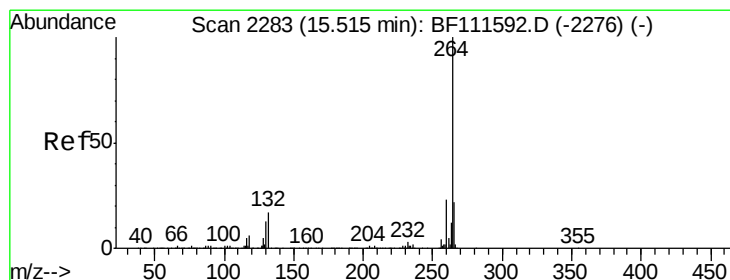
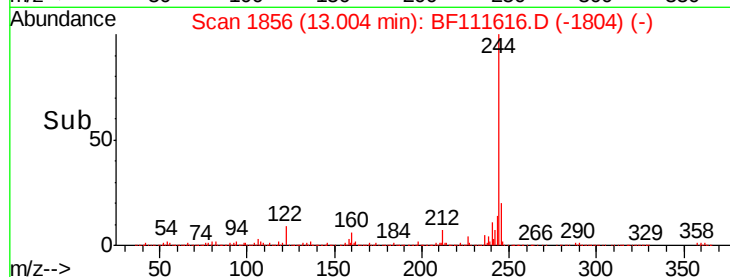
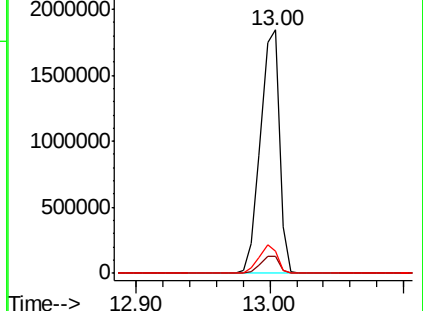
122 9.3 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

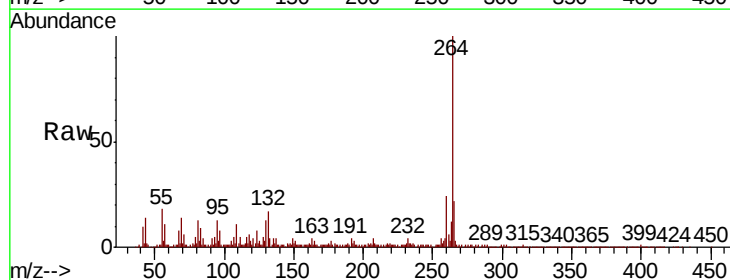
Tgt Ion:264 Resp: 309341

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

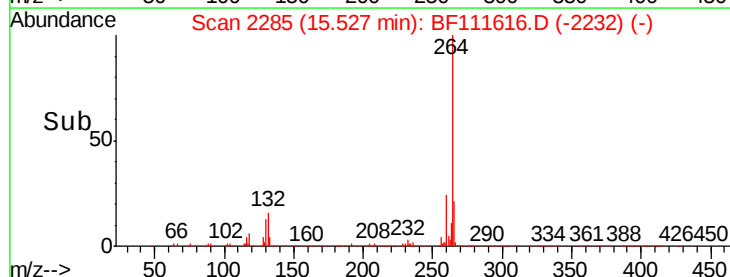
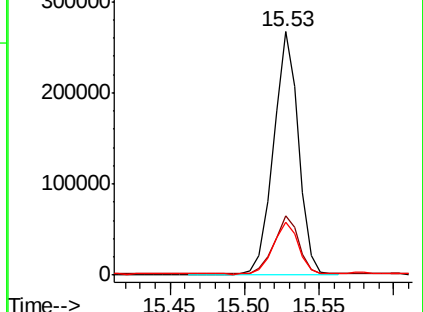
265 21.5 17.7 26.5

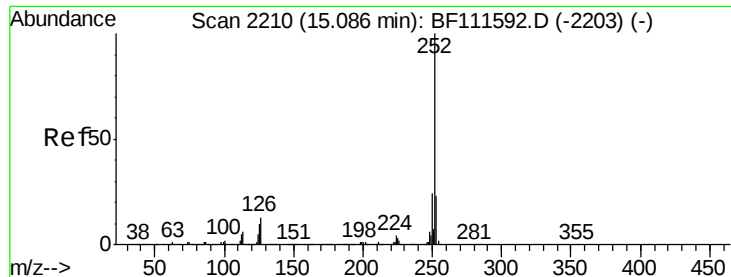


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.570 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

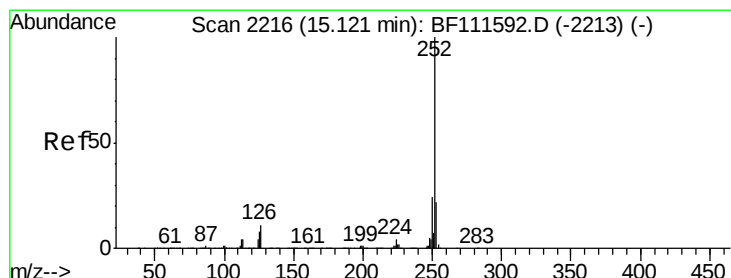
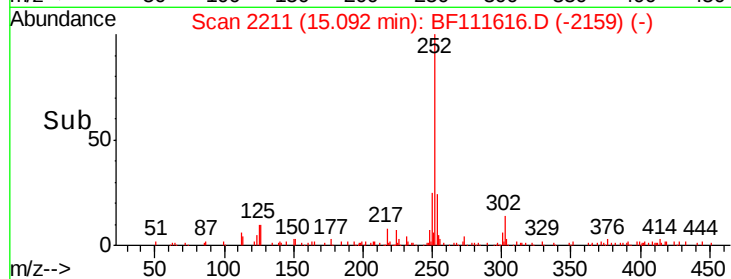
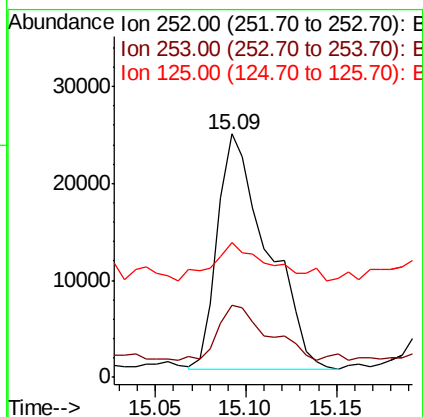
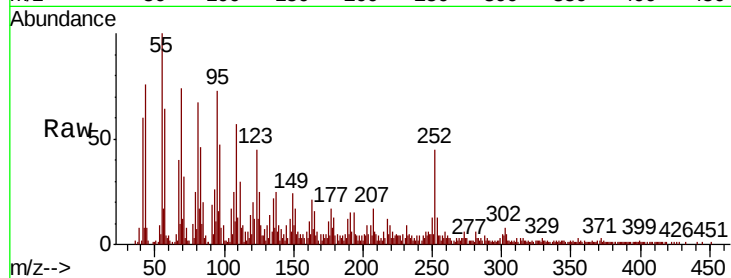
Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

Tgt Ion:	252	Resp:	46464
Ion Ratio	Lower	Upper	
252	100		
253	29.8	18.2	27.2#
125	55.3	10.4	15.6#



#89

Benzo(k)fluoranthene

Concen: 2.700 ng

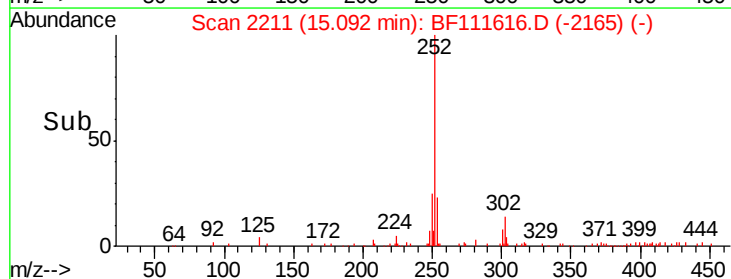
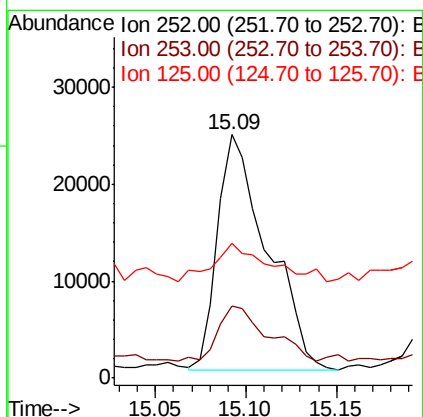
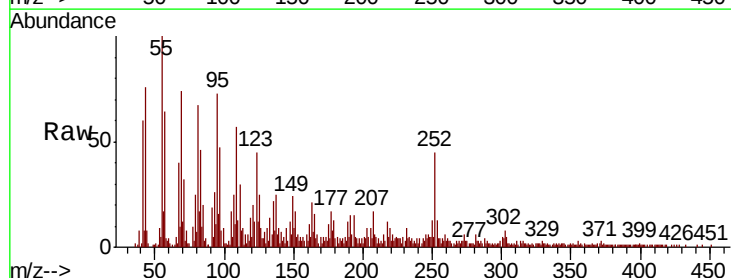
RT: 15.09 min Scan# 2211

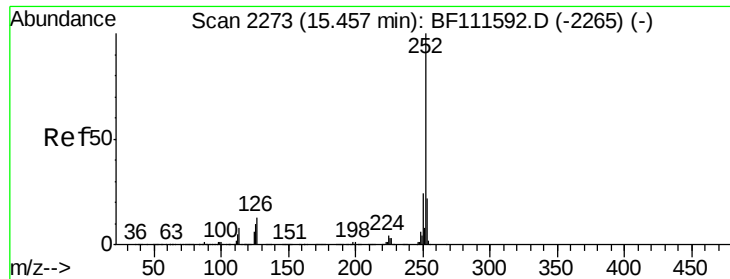
Delta R.T. -0.03 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Tgt Ion:	252	Resp:	46464
Ion Ratio	Lower	Upper	
252	100		
253	29.8	18.1	27.1#
125	55.3	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 2.158 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

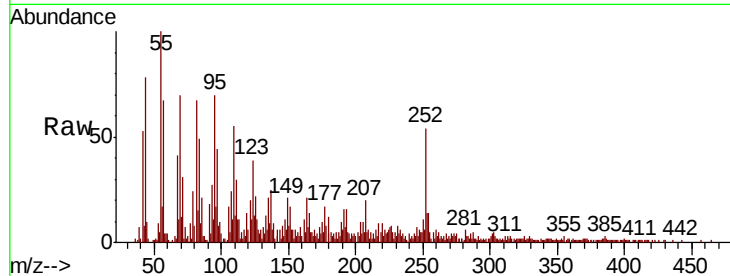
Tgt Ion:252 Resp: 35439

Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.8

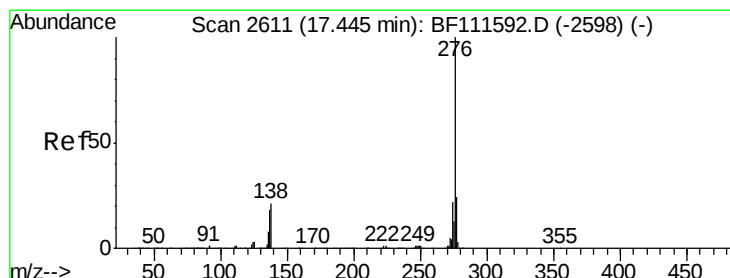
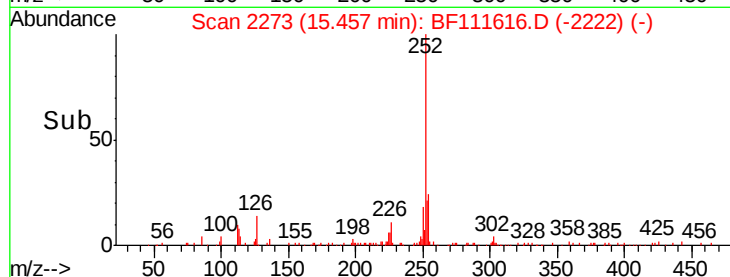
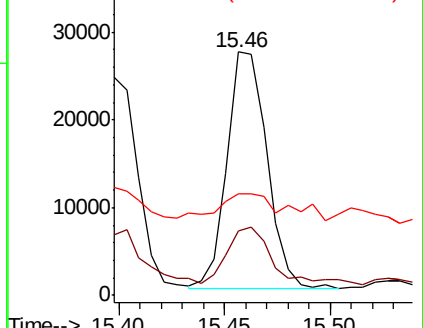
125 41.6 12.3 18.5#



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



#92

Benzo(g,h,i)perylene

Concen: 2.250 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BF111616.D

Acq: 20 Dec 2018 3:15

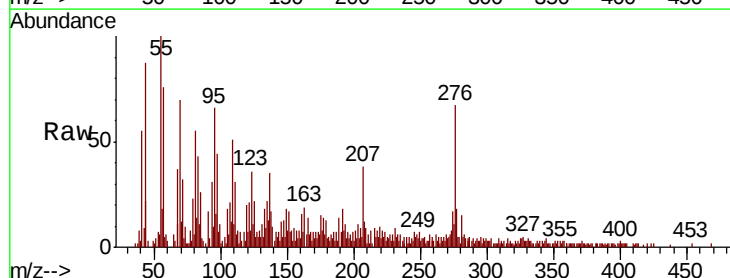
Tgt Ion:276 Resp: 31604

Ion Ratio Lower Upper

276 100

277 27.2 19.2 28.8

138 24.9 24.9 37.3#



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

