

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111723.D
 Acq On : 26 Dec 2018 19:41
 Operator : JU/SJ
 Sample : J6357-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07A

Quant Time: Dec 27 00:58:11 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	210190	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	765894	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	345457	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	543047	20.00	ng	0.00
76) Chrysene-d12	14.06	240	450770	20.00	ng	0.00
87) Perylene-d12	15.54	264	337511	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1169470	94.84	ng	0.02
7) Phenol-d6	6.54	99	1478282	94.20	ng	0.02
23) Nitrobenzene-d5	7.46	82	959146	72.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	340455	83.41	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1545225	65.20	ng	0.00
79) Terphenyl-d14	13.00	244	1164624	49.00	ng	0.00

Target Compounds

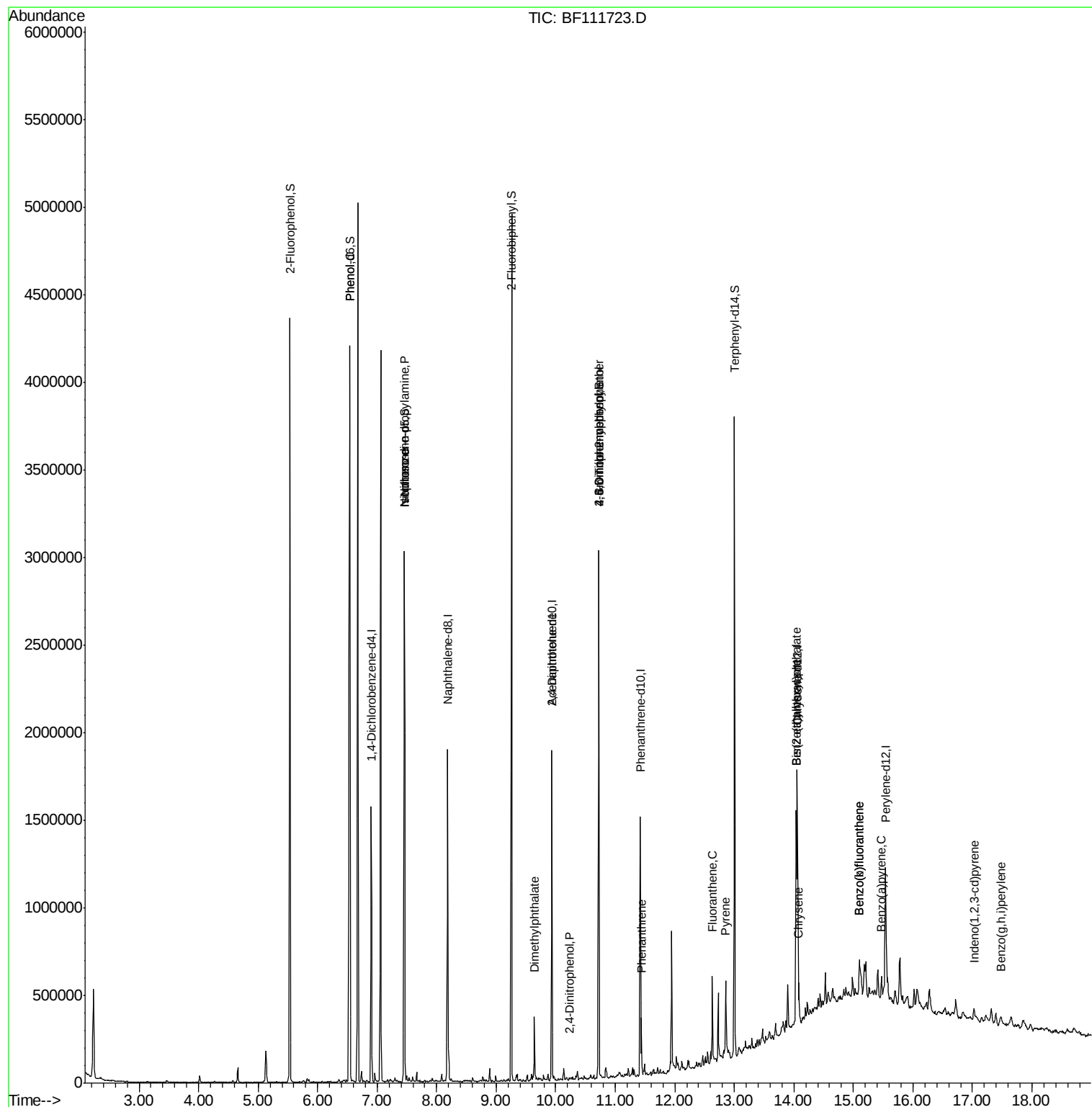
						Qvalue
10) Phenol	6.55	94	108953	6.153	ng	88
19) n-Nitroso-di-n-propylamine	7.46	70	133124	12.773	ng	# 78
25) Isophorone	7.46	82	957334	40.983	ng	# 64
50) Dimethylphthalate	9.64	163	136165	5.390	ng	98
54) 2,4-Dinitrophenol	10.22	184	110	7.369	ng	# 12
57) 2,4-Dinitrotoluene	9.93	165	46005	7.599	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	585	6.917	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	21213	3.149	ng	# 1
71) Phenanthrene	11.44	178	115896	4.024	ng	93
75) Fluoranthene	12.63	202	191119	6.553	ng	95
78) Pyrene	12.86	202	174459	5.481	ng	96
81) Benzo(a)anthracene	14.04	228	97107	3.775	ng	98
83) Chrysene	14.08	228	91630	3.624	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	306730	18.767	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.03	276	44036	2.049	ng	# 88
88) Benzo(b)fluoranthene	15.10	252	143501	7.275	ng	94
89) Benzo(k)fluoranthene	15.10	252	143501	7.641	ng	94
90) Benzo(a)pyrene	15.47	252	64472	3.598	ng	95
92) Benzo(a,h,i)perylene	17.48	276	43704	2.852	ng	# 85

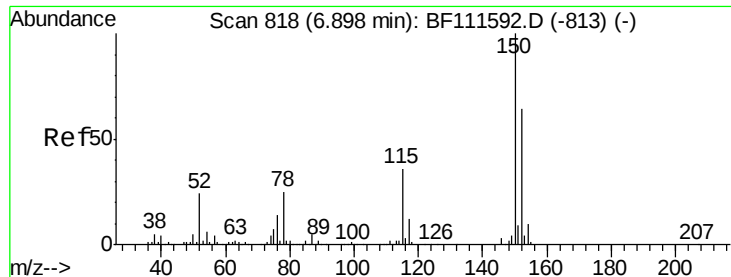
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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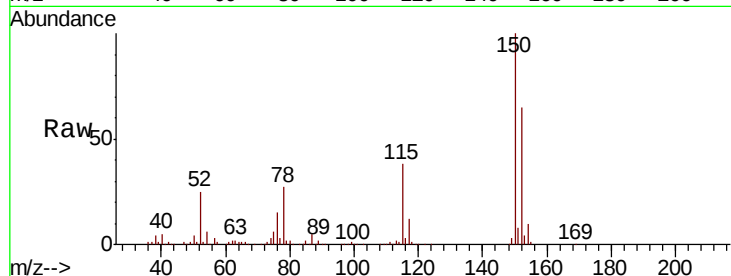


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Instrument :
BNA_F
ClientSampleId :
SB-07A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.6	189.8
115	59.0	50.7	76.1

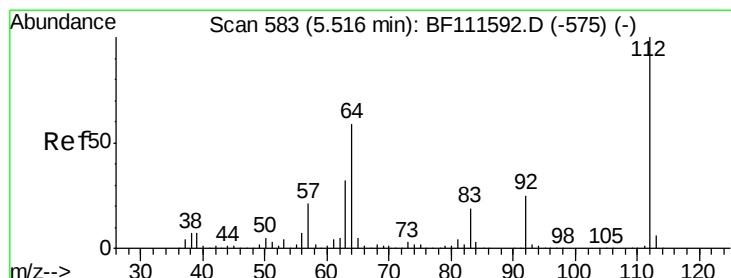
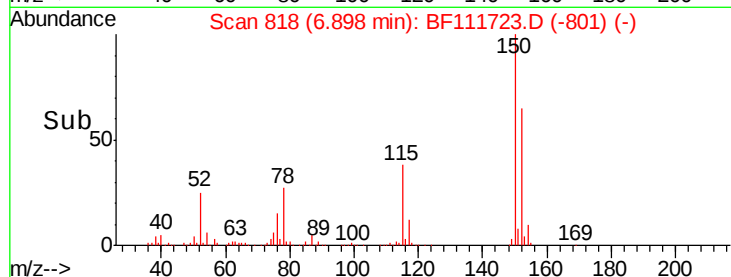
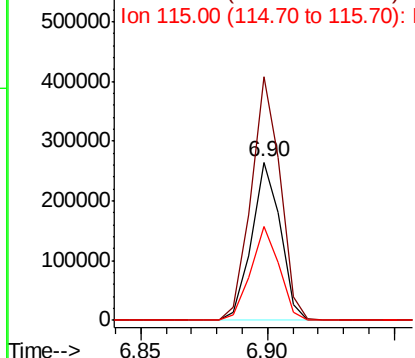


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

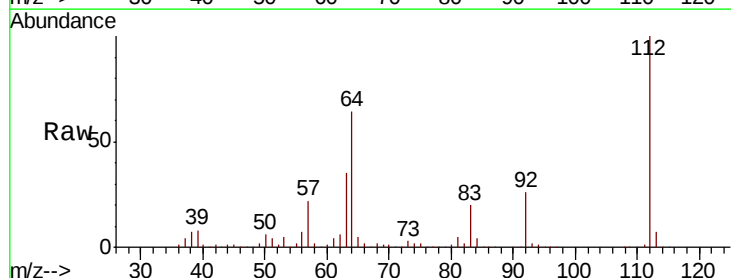
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.838 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.8	77.6
63	35.1	26.8	40.2

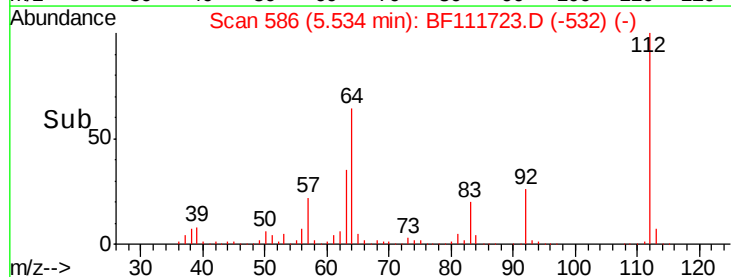
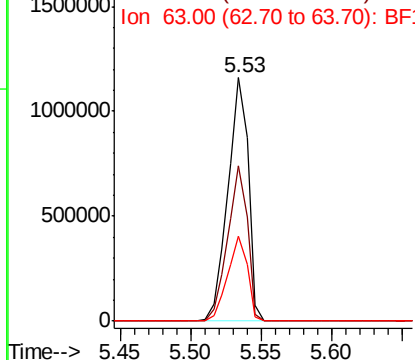


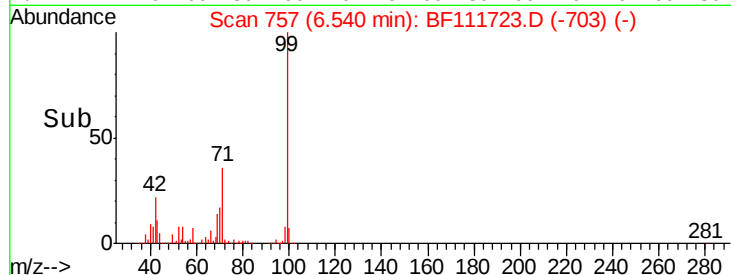
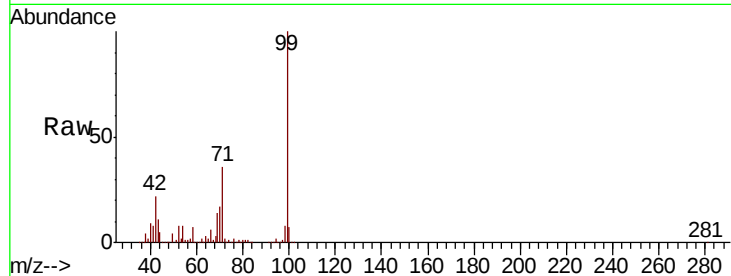
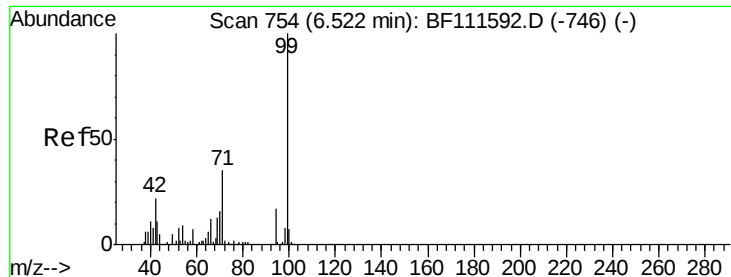
Abundance

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: 94.198 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Instrument :

BNA_F

ClientSampleId :

SB-07A

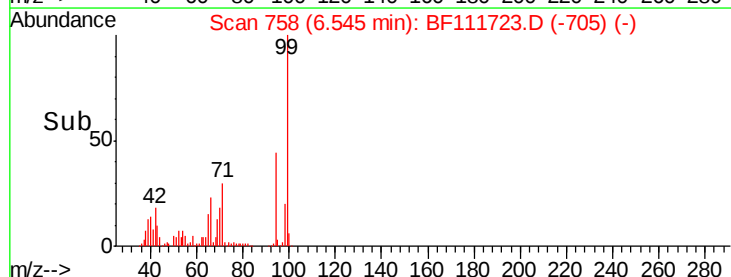
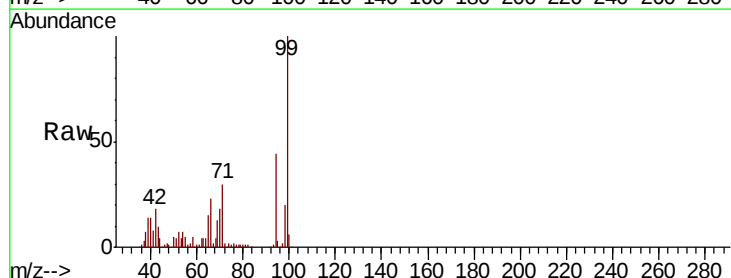
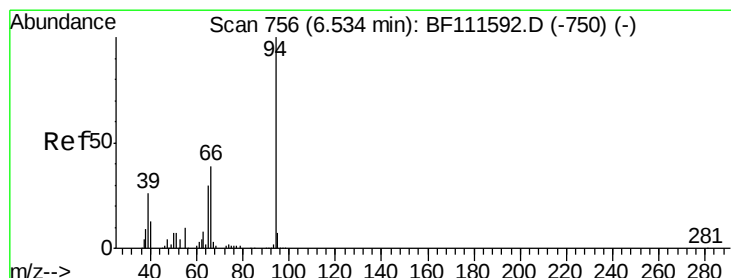
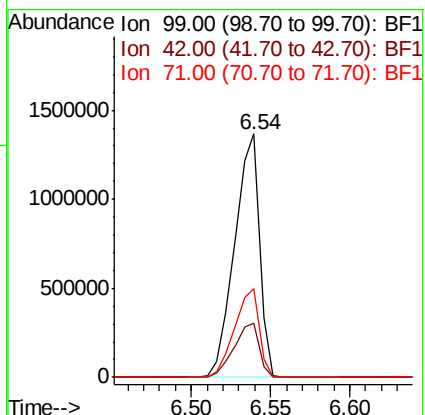
Tot Ion: 99 Resp: 1478282

Ion Ratio Lower Upper

99 100

42 22.4 17.4 26.0

71 36.3 26.1 39.1



#10

Phenol

Concen: 6.153 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

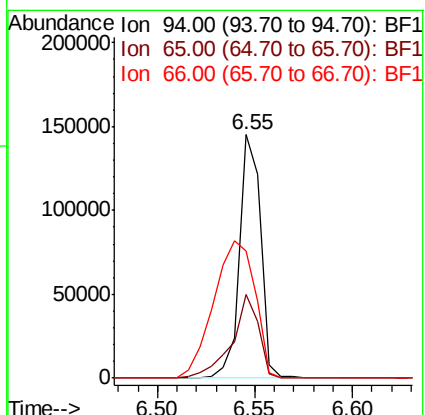
Tgt Ion: 94 Resp: 108953

Ion Ratio Lower Upper

94 100

65 34.4 11.7 51.7

66 52.2 21.0 61.0





#19

n-Nitroso-di-n-propylamine

Concen: 12.773 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Instrument :

BNA_F

ClientSampleId :

SB-07A

Tot Ion: 70 Resp: 133124

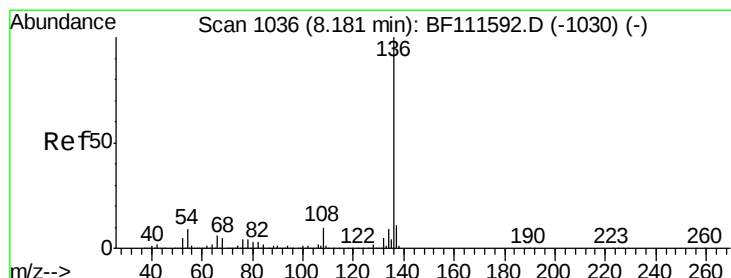
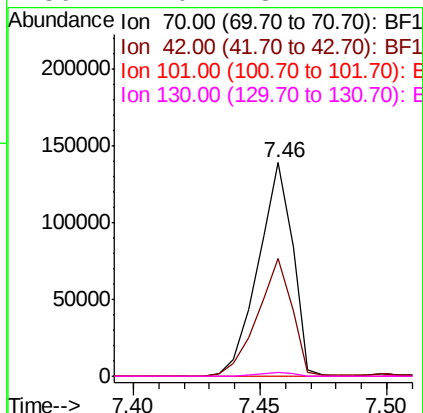
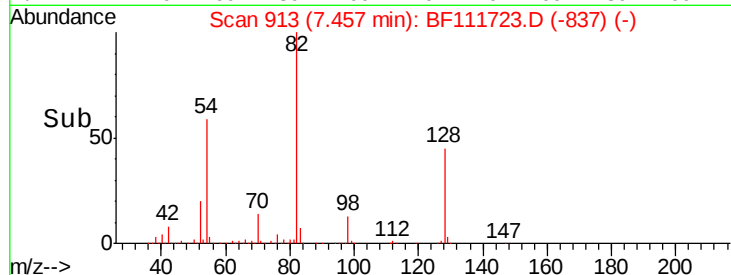
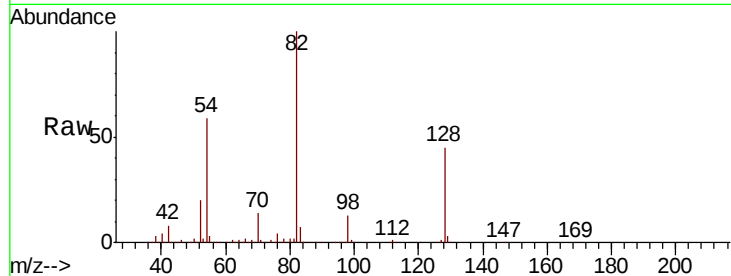
Ion Ratio Lower Upper

70 100

42 55.3 53.2 79.8

101 0.0 8.2 12.4#

130 2.0 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Tgt Ion: 136 Resp: 765894

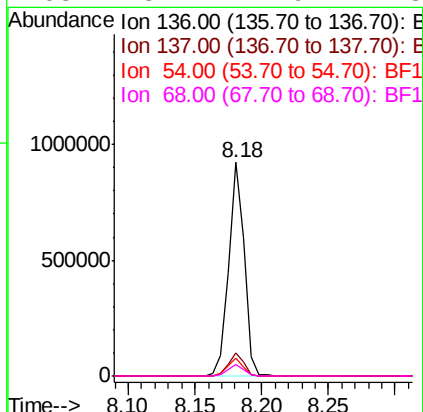
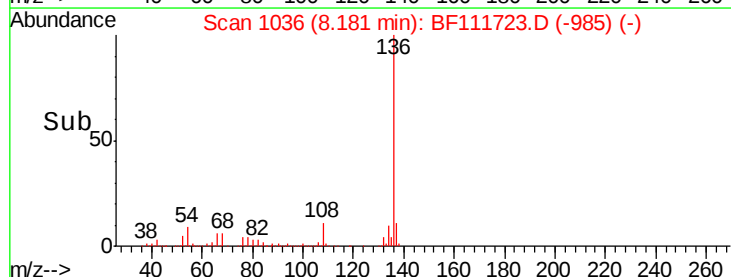
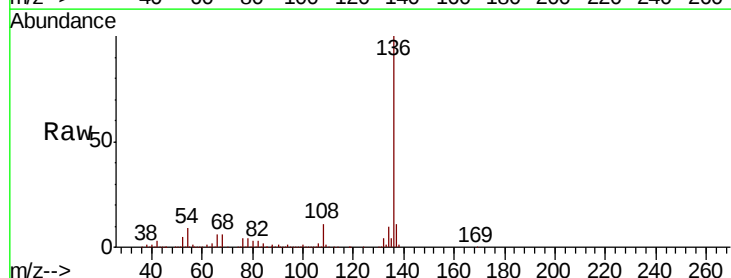
Ion Ratio Lower Upper

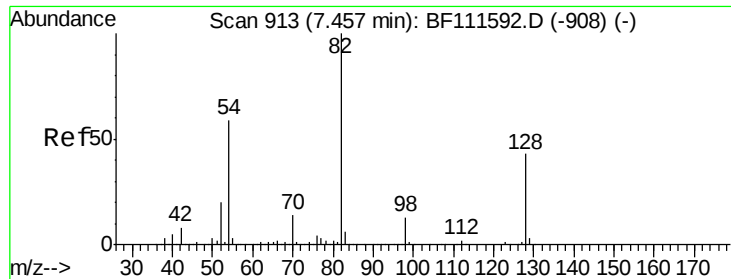
136 100

137 11.0 9.1 13.7

54 8.7 7.7 11.5

68 5.7 4.9 7.3

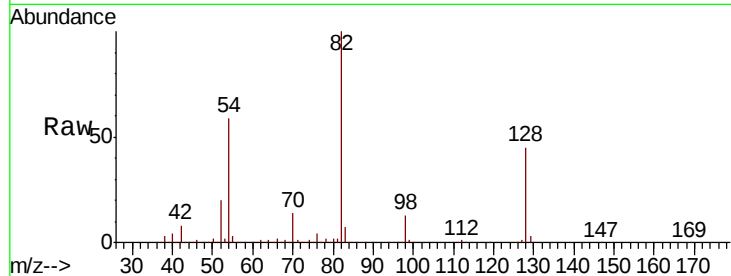




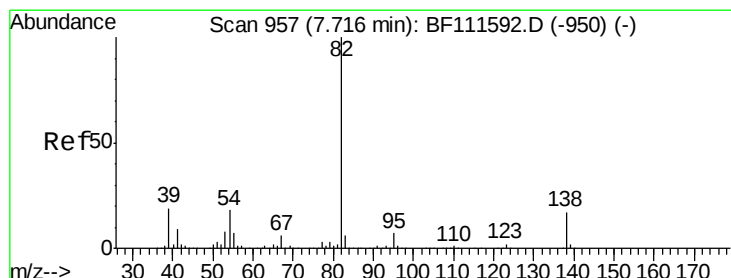
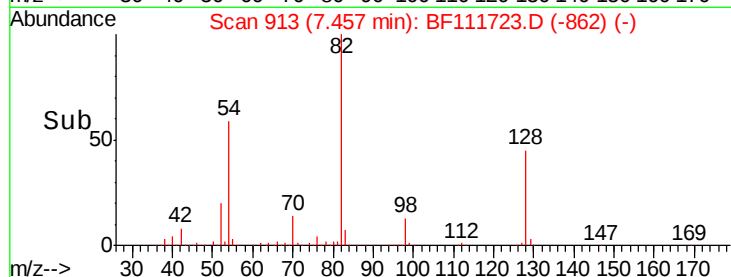
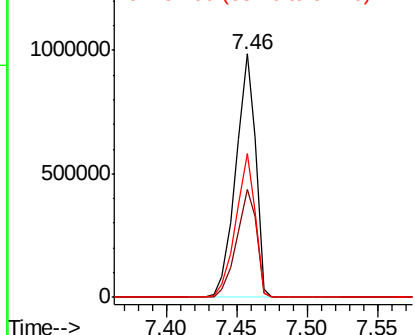
#23
Nitrobenzene-d5
Concen: 72.895 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Instrument :
BNA_F
ClientSampleId :
SB-07A

Tot Ion	82.00	Resp	959146
Ion Ratio	Lower	Upper	
82	100		
128	44.6	37.4	56.2
54	59.1	47.6	71.4

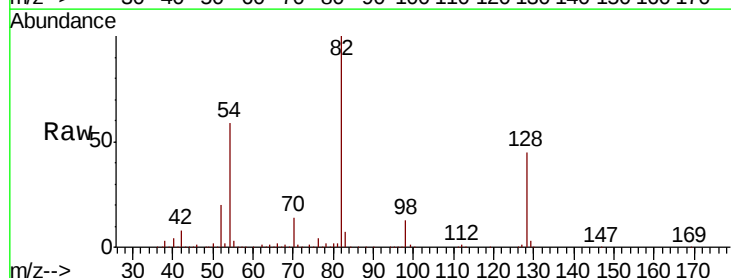


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

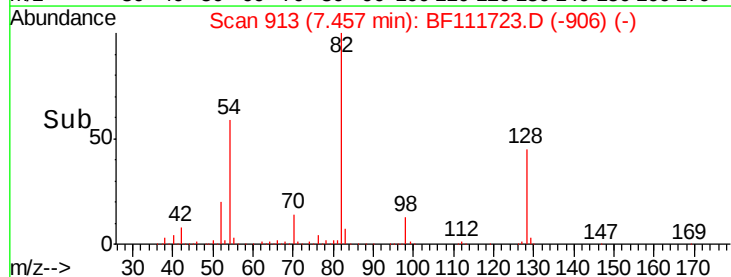
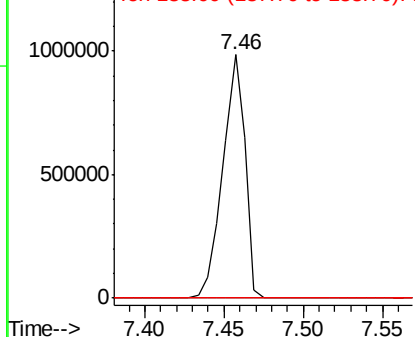


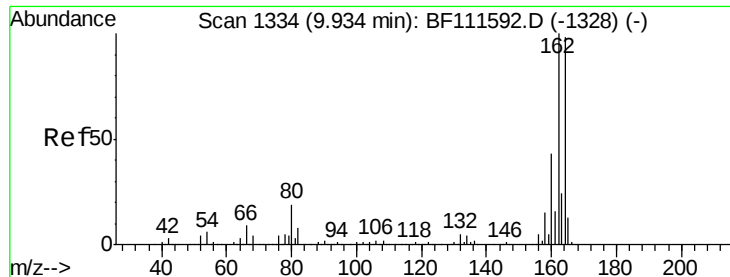
#25
Isophorone
Concen: 40.983 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion	82.00	Resp	957334
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

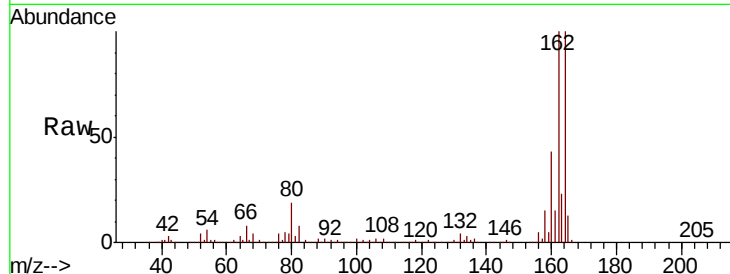




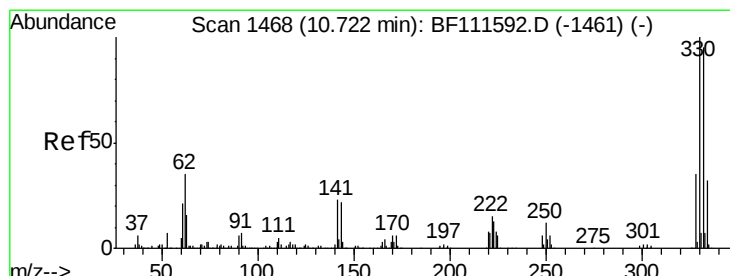
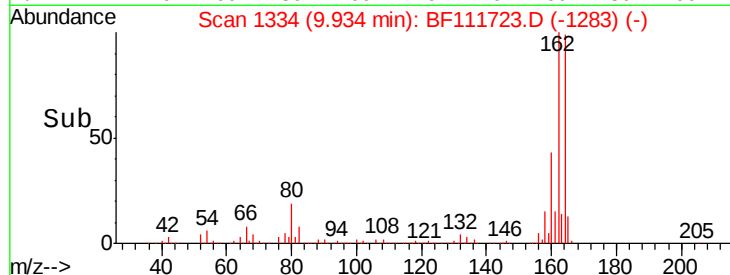
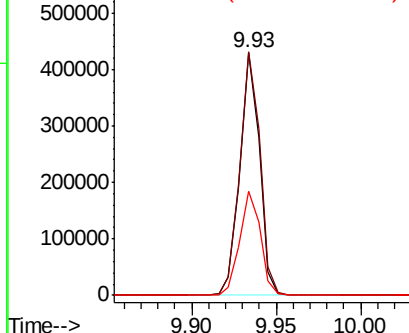
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF111723.D
 Acq: 26 Dec 2018 19:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-07A

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	43.0	35.7	53.5

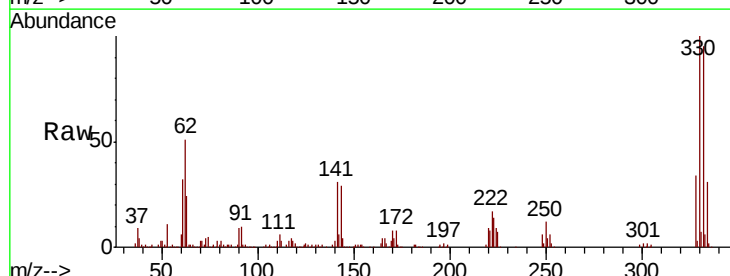


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

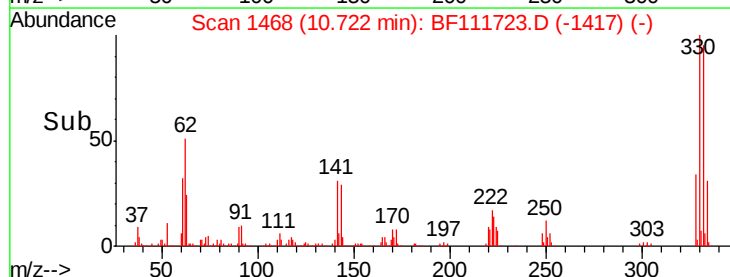
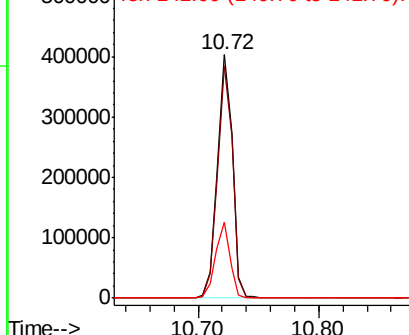


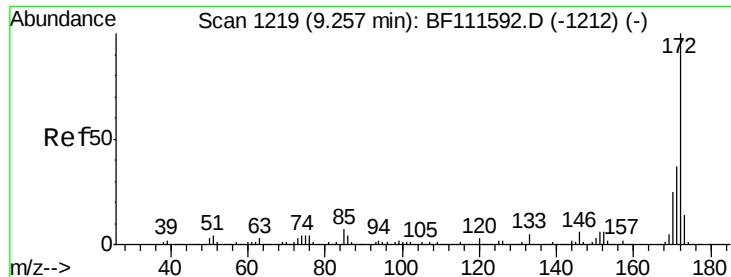
#42
 2,4,6-Tribromophenol
 Concen: 83.407 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF111723.D
 Acq: 26 Dec 2018 19:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.0	114.0
141	29.9	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

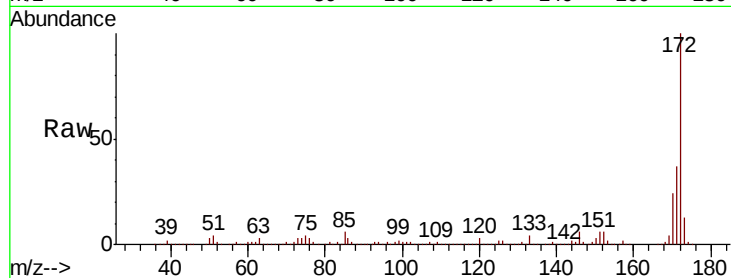




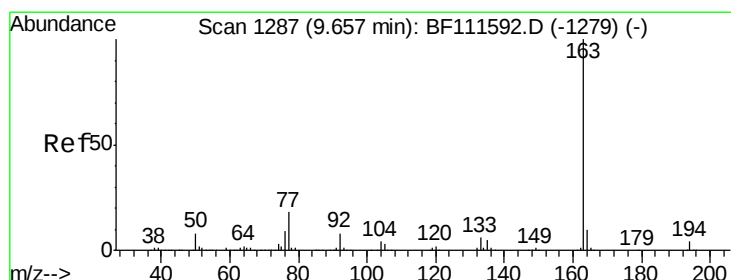
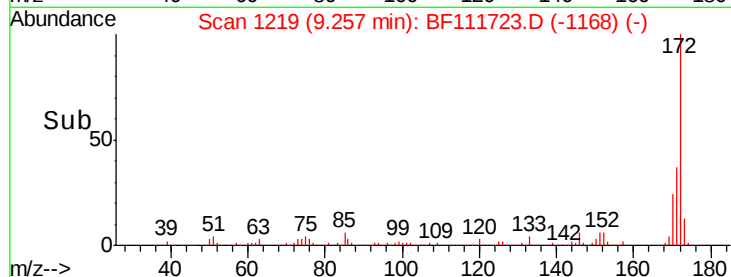
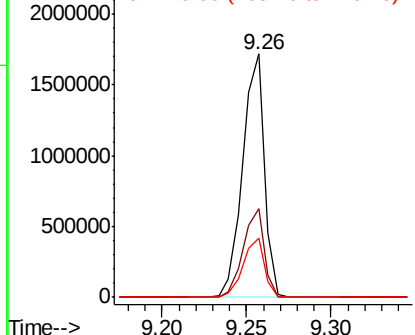
#45
2-Fluorobiphenyl
Concen: 65.197 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Instrument :
BNA_F
ClientSampleId :
SB-07A

Tot Ion:172 Resp: 1545225
Ion Ratio Lower Upper
172 100
171 36.5 33.0 49.4
170 24.2 22.3 33.5

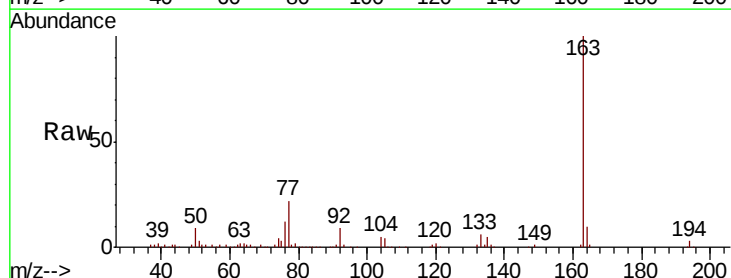


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

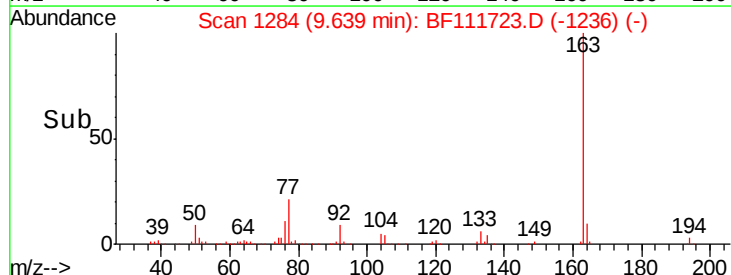
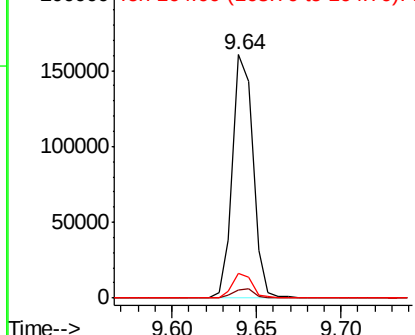


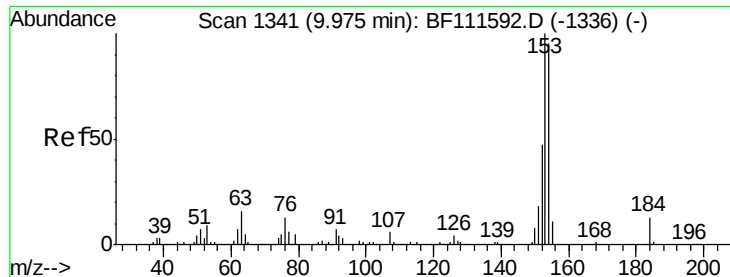
#50
Dimethylphthalate
Concen: 5.390 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion:163 Resp: 136165
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.6
164 10.3 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

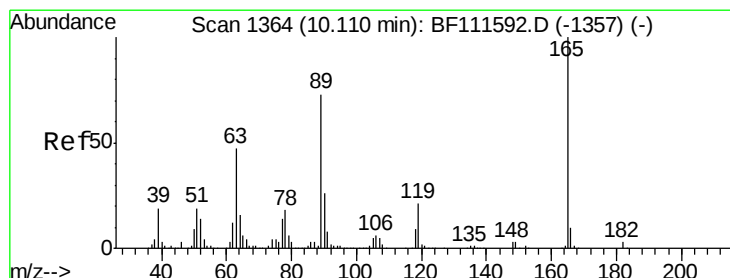
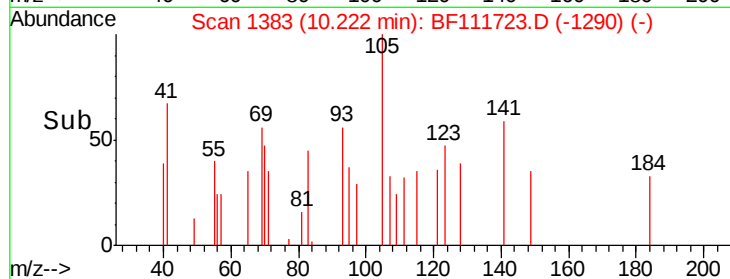
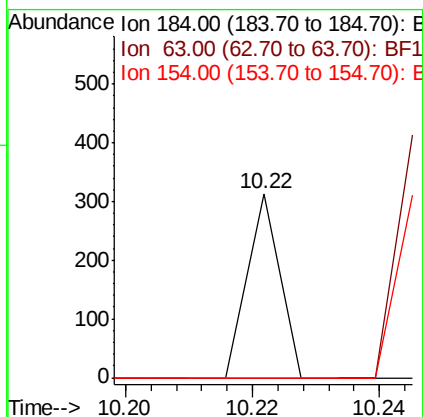
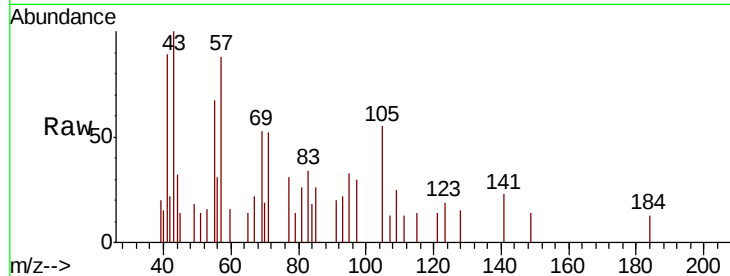




#54
 2,4-Dinitrophenol
 Concen: 7.369 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.25 min
 Lab File: BF111723.D
 Acq: 26 Dec 2018 19:41

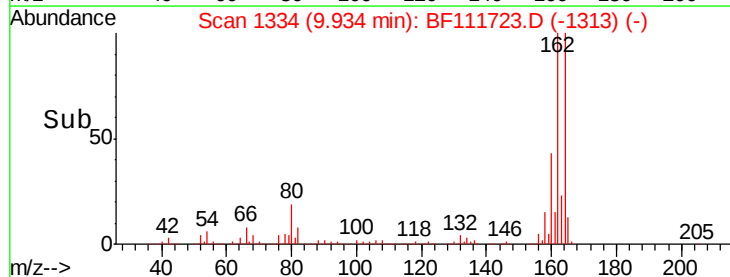
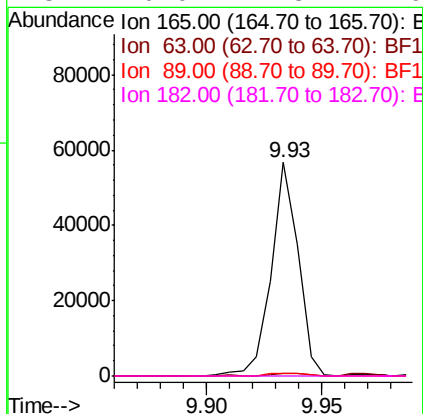
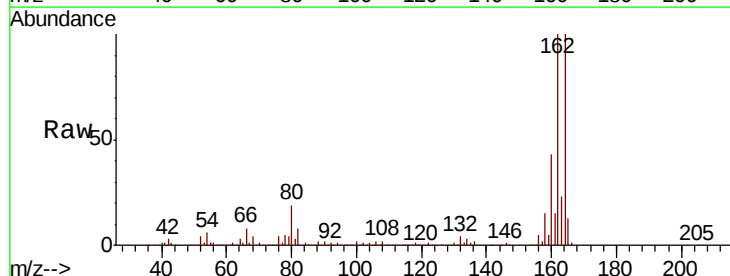
Instrument :
 BNA_F
 ClientSampled :
 SB-07A

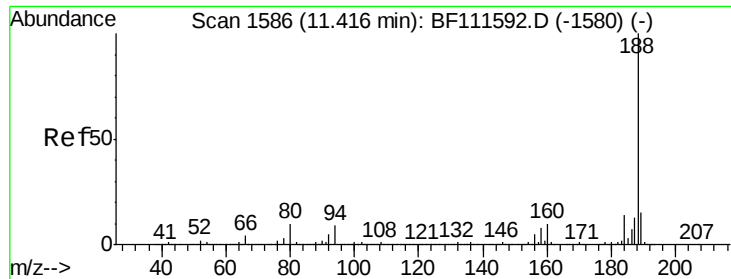
Tot Ion:184 Resp: 110
 Ion Ratio Lower Upper
 184 100
 63 0.0 62.3 93.5#
 154 0.0 56.2 84.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.599 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111723.D
 Acq: 26 Dec 2018 19:41

Tgt Ion:165 Resp: 46005
 Ion Ratio Lower Upper
 165 100
 63 1.2 34.6 52.0#
 89 1.4 56.2 84.4#
 182 0.0 1.8 2.6#

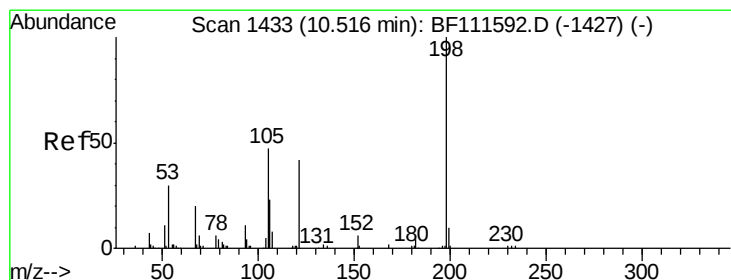
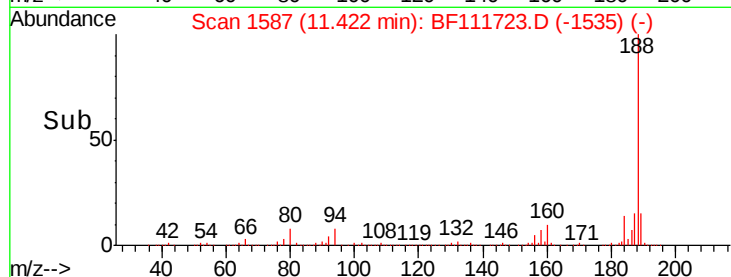
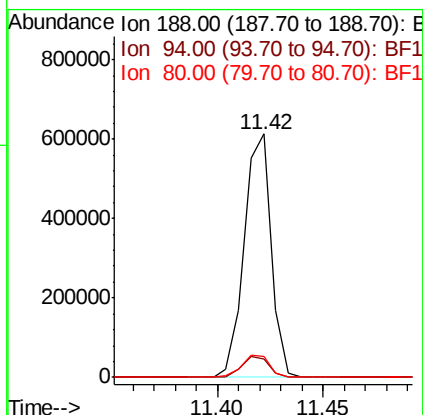
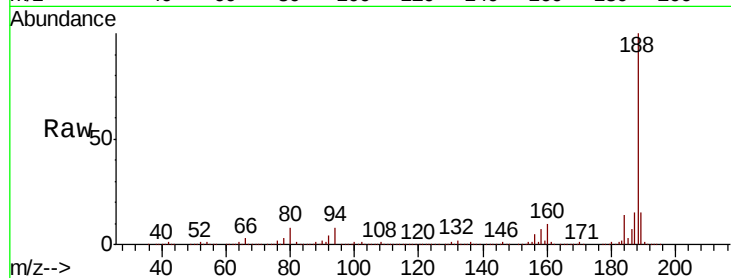




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

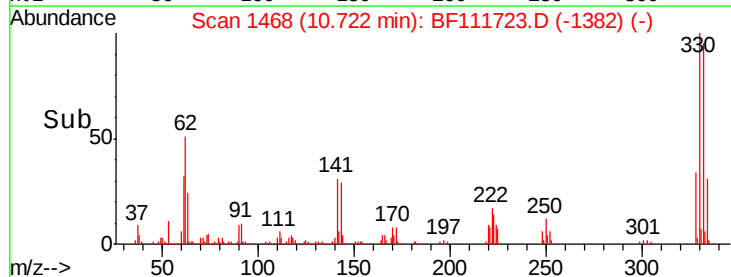
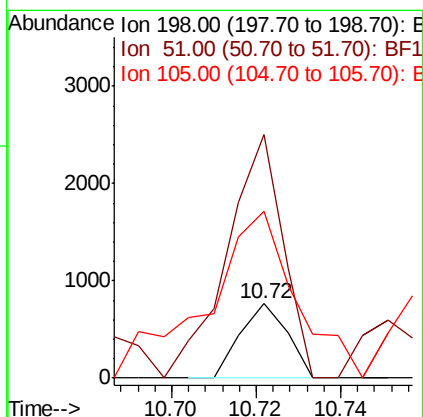
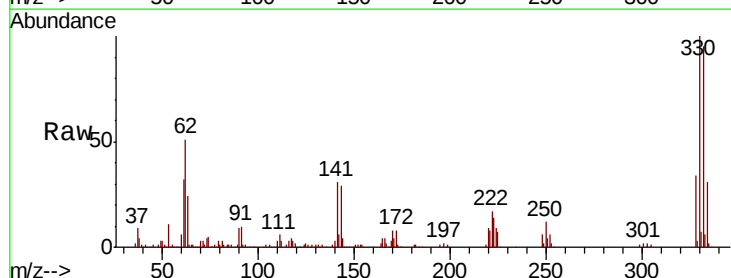
Instrument :
BNA_F
ClientSampleId :
SB-07A

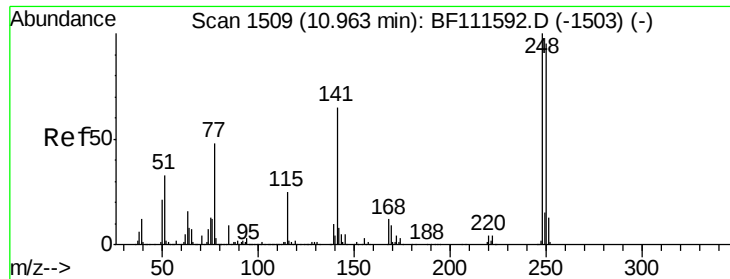
Tot Ion:188 Resp: 543047
Ion Ratio Lower Upper
188 100
94 7.6 9.6 14.4#
80 8.4 9.8 14.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.917 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion:198 Resp: 585
Ion Ratio Lower Upper
198 100
51 327.2 48.0 88.0#
105 224.8 34.0 74.0#

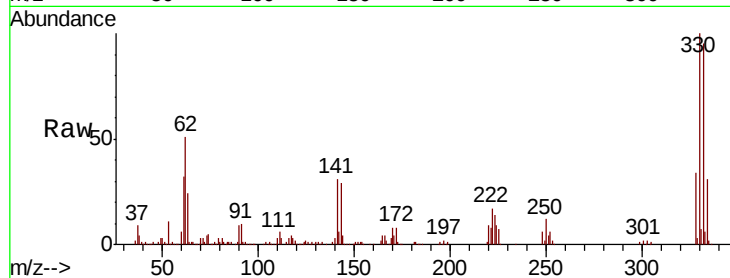




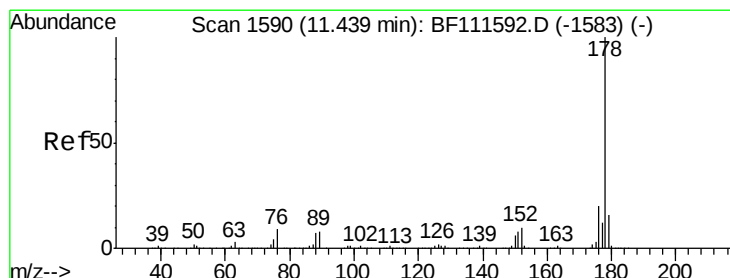
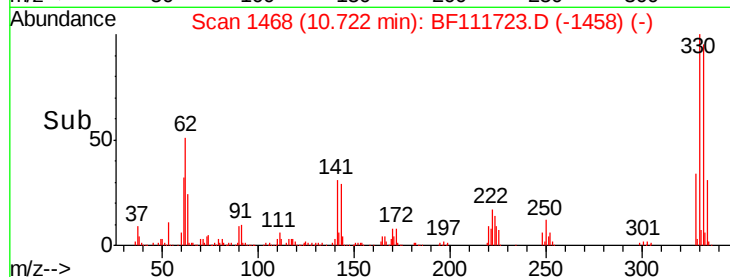
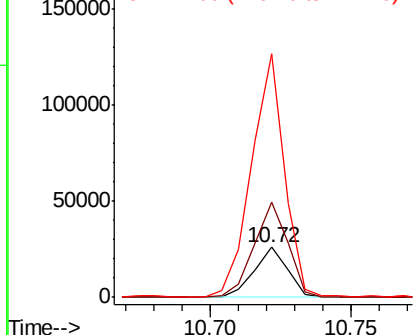
#67
4-Bromophenyl-phenylether
Concen: 3.149 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Instrument :
BNA_F
ClientSampleId :
SB-07A

Tot Ion:248 Resp: 21213
Ion Ratio Lower Upper
248 100
250 190.2 77.0 115.4#
141 485.8 63.0 94.6#

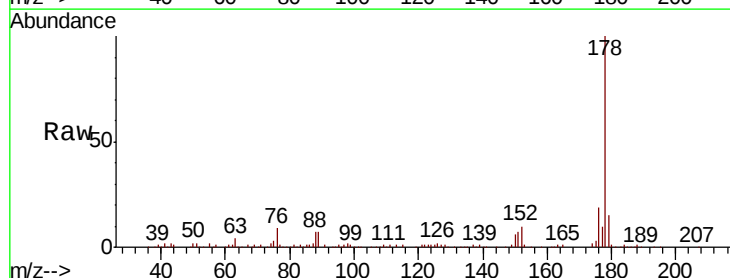


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

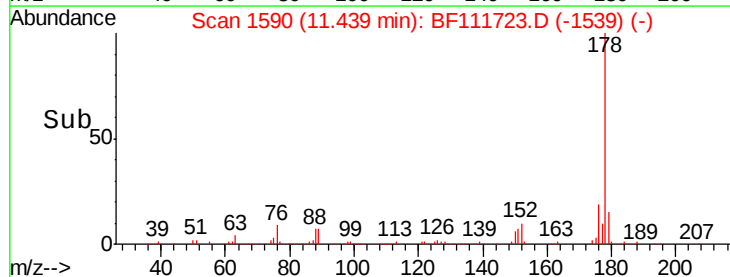
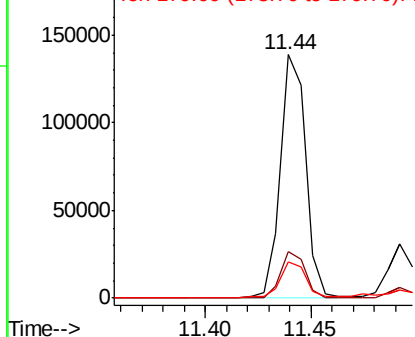


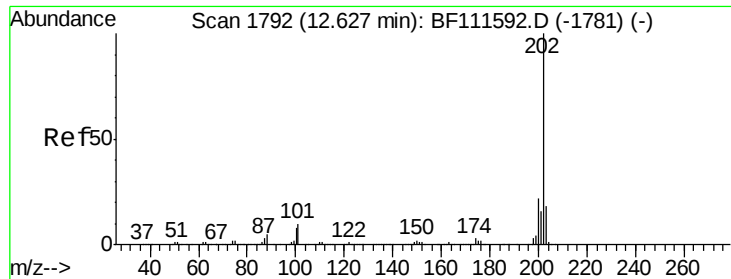
#71
Phenanthrene
Concen: 4.024 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion:178 Resp: 115896
Ion Ratio Lower Upper
178 100
176 19.1 18.1 27.1
179 15.1 14.0 21.0



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: 6.553 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Instrument :

BNA_F

ClientSampleId :

SB-07A

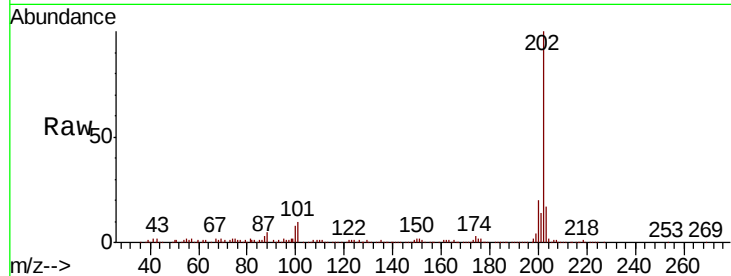
Tot Ion:202 Resp: 191119

Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.8

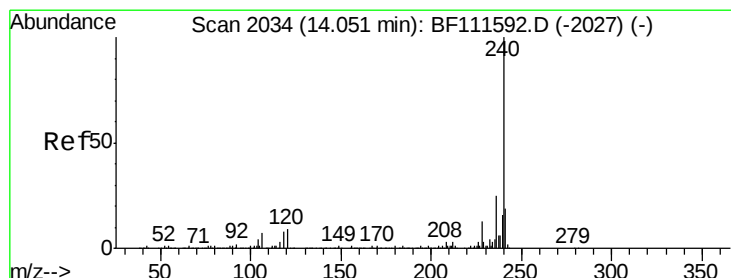
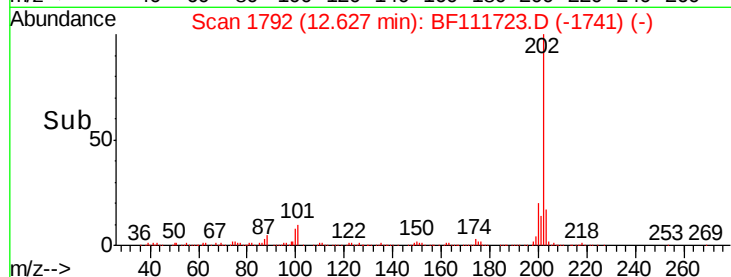
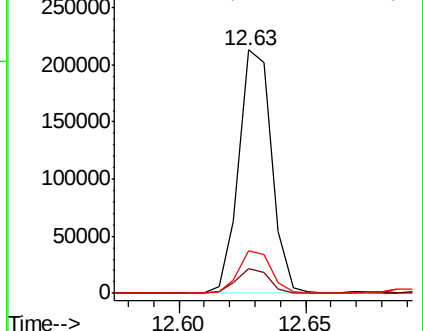
203 17.4 0.0 38.6



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: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

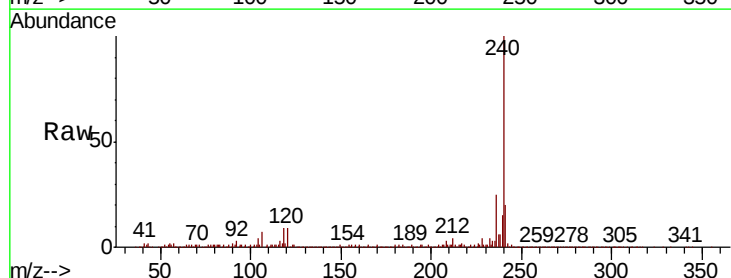
Tgt Ion:240 Resp: 450770

Ion Ratio Lower Upper

240 100

120 9.4 12.2 18.2#

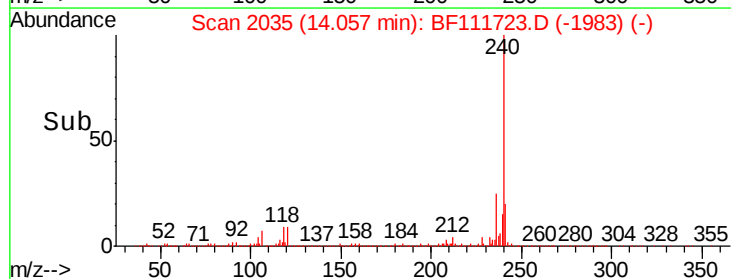
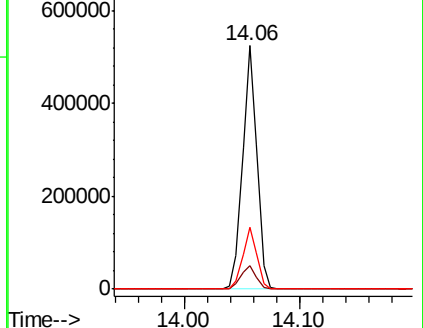
236 25.3 20.2 30.2

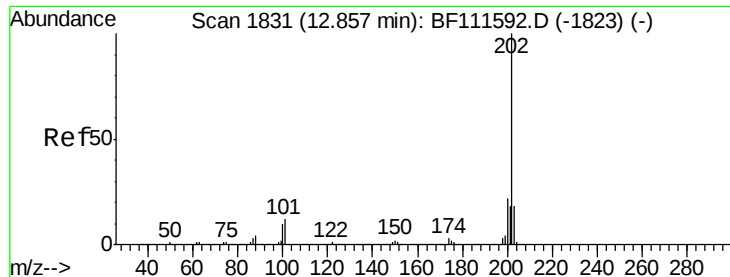


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

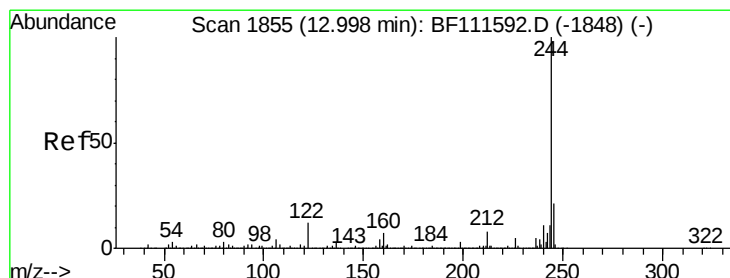
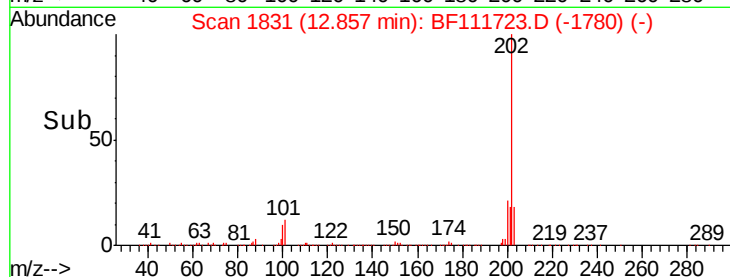
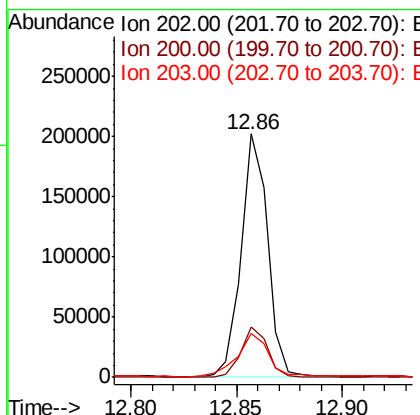
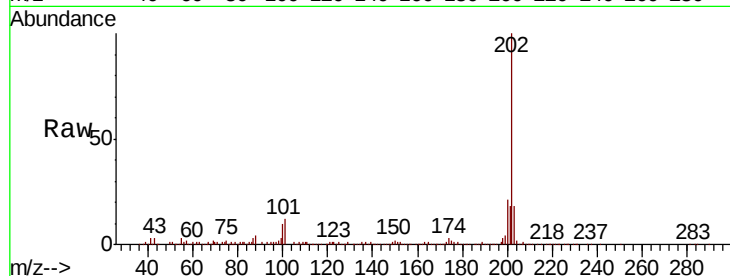




#78
Pvrene
Concen: 5.481 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

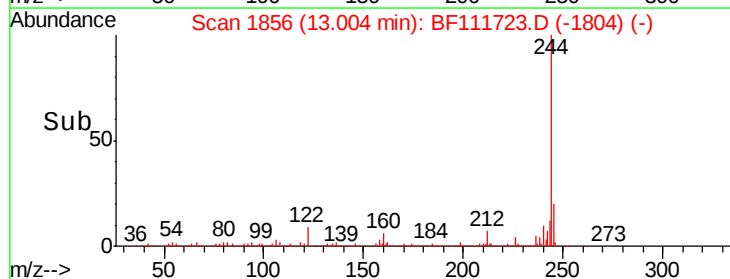
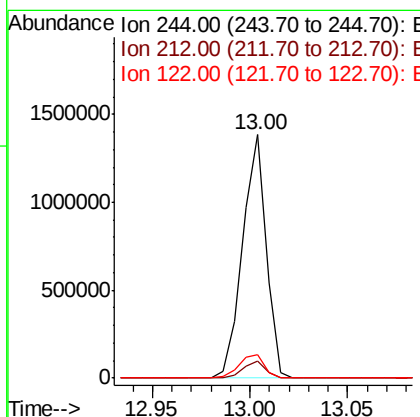
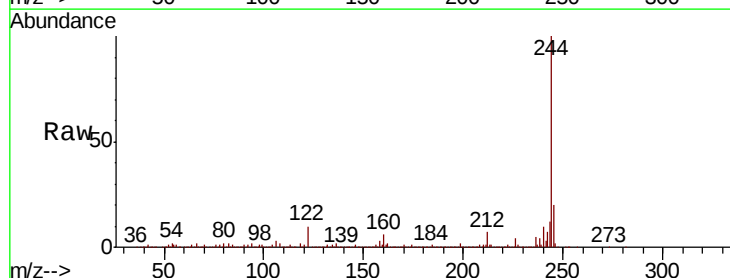
Instrument :
BNA_F
ClientSampled :
SB-07A

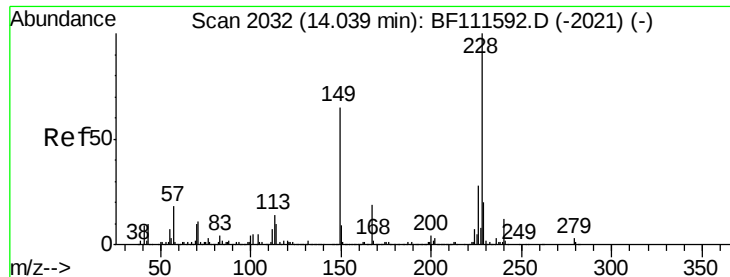
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	18.0	15.2	22.8



#79
Terphenyl-d14
Concen: 48.996 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.5	13.1	19.7

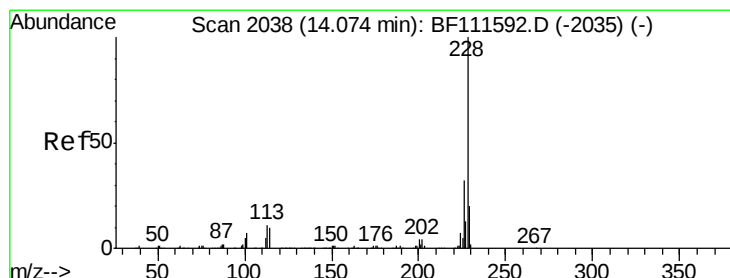
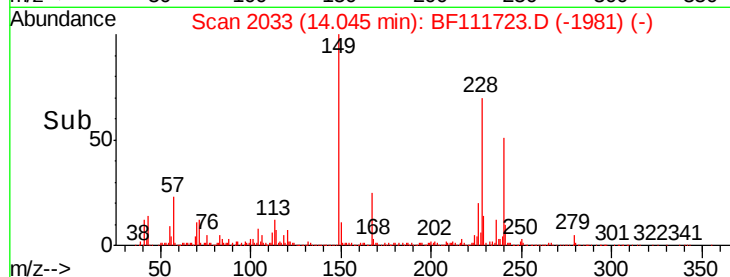
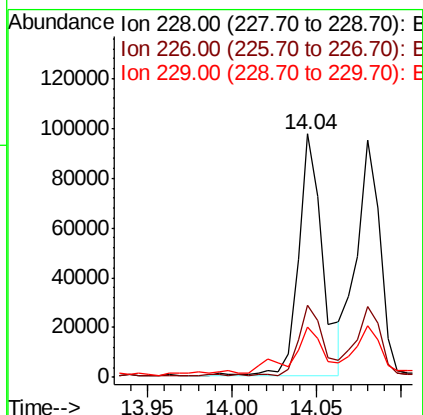
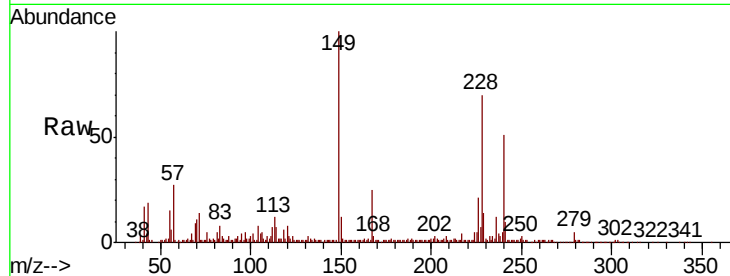




#81
Benzo(a)anthracene
Concen: 3.775 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

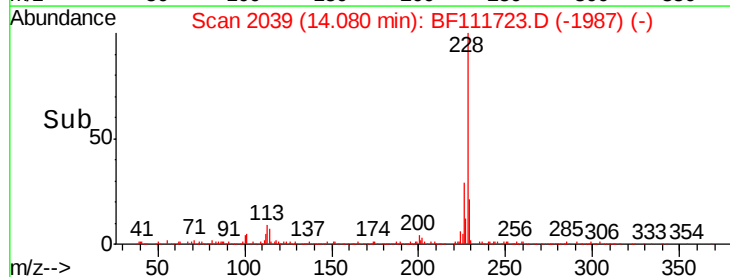
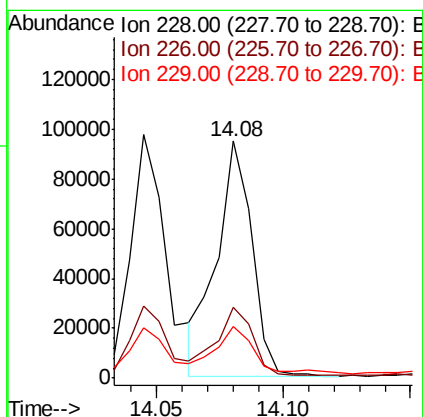
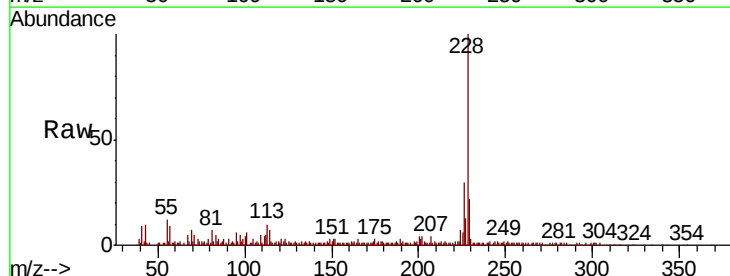
Instrument :
BNA_F
ClientSampleId :
SB-07A

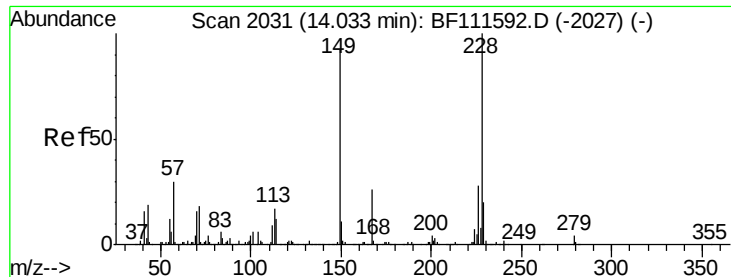
Tot Ion:228 Resp: 97107
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 20.6 16.3 24.5



#83
Chrysene
Concen: 3.624 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion:228 Resp: 91630
Ion Ratio Lower Upper
228 100
226 29.9 25.3 37.9
229 22.0 17.2 25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.767 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Instrument :

BNA_F

ClientSampleId :

SB-07A

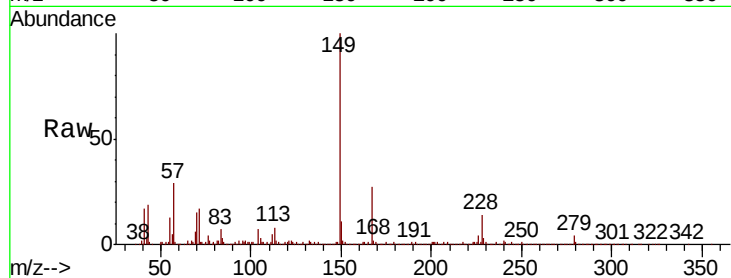
Tot Ion:149 Resp: 306730

Ion Ratio Lower Upper

149 100

167 26.5 22.5 33.7

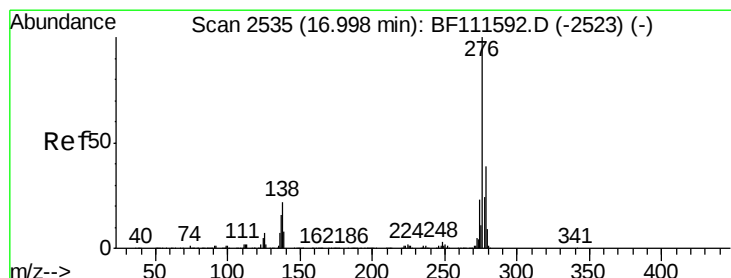
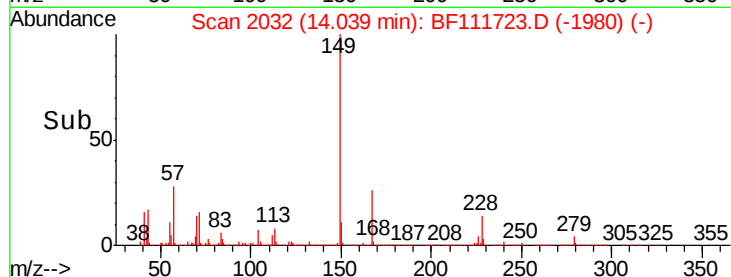
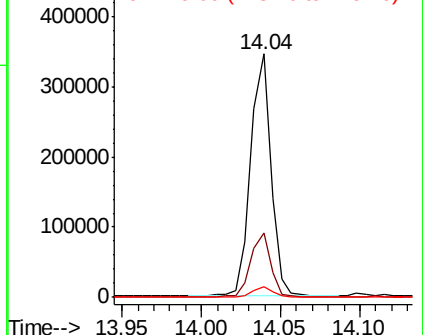
279 4.3 2.6 4.0#



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

Indeno(1,2,3-cd)pyrene

Concen: 2.049 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.03 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

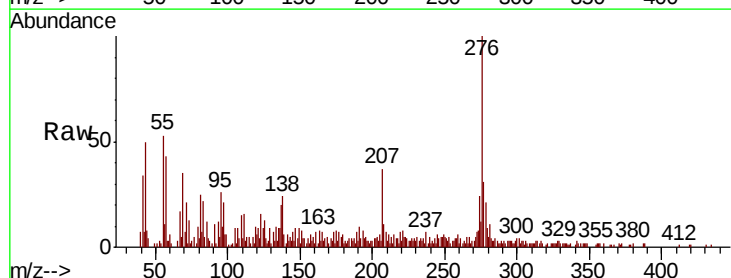
Tgt Ion:276 Resp: 44036

Ion Ratio Lower Upper

276 100

138 22.9 27.8 41.6#

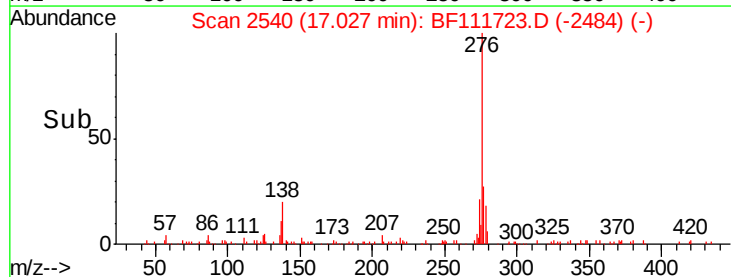
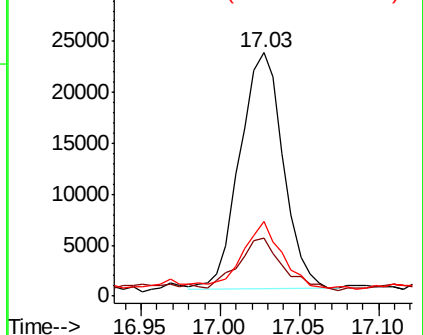
277 25.6 20.1 30.1

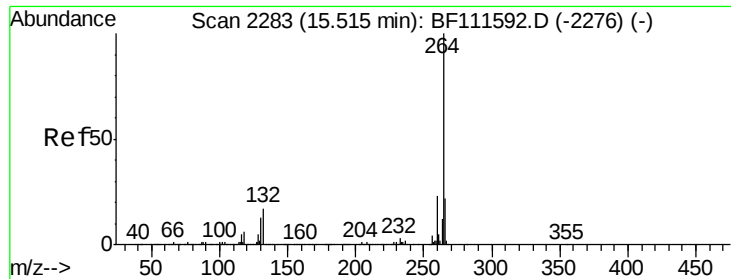


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

Instrument :

BNA_F

ClientSampleId :

SB-07A

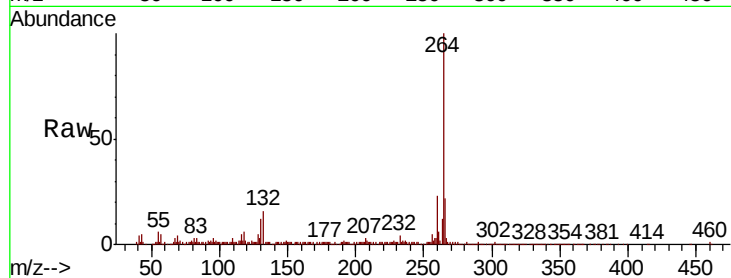
Tot Ion:264 Resp: 337511

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

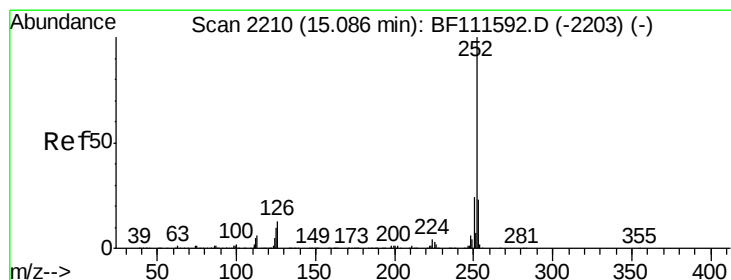
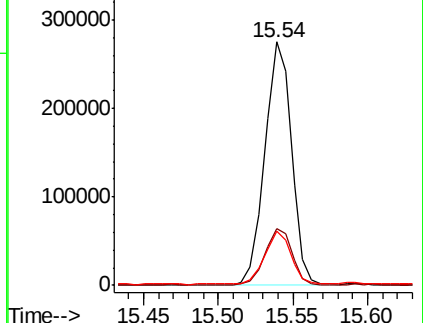
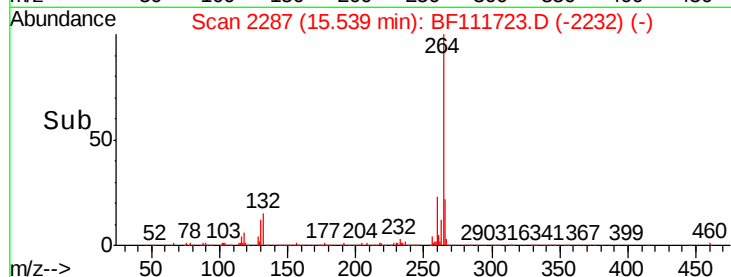
265 22.3 17.7 26.5



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: 7.275 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.02 min

Lab File: BF111723.D

Acq: 26 Dec 2018 19:41

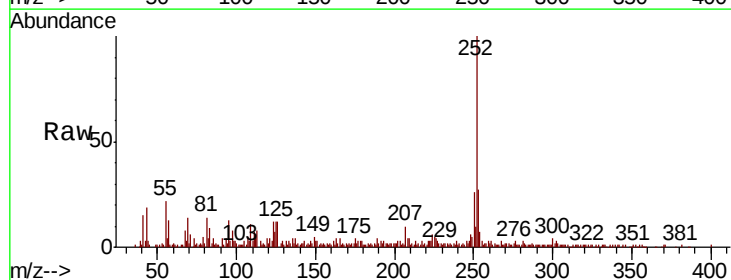
Tgt Ion:252 Resp: 143501

Ion Ratio Lower Upper

252 100

253 27.1 18.2 27.2

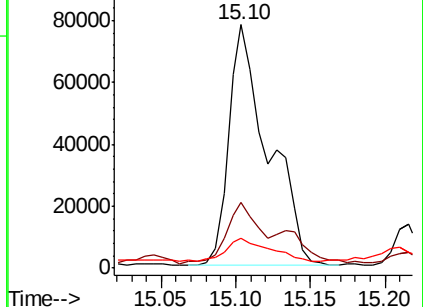
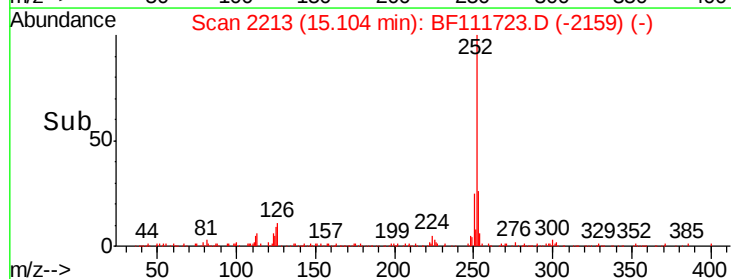
125 12.3 10.4 15.6

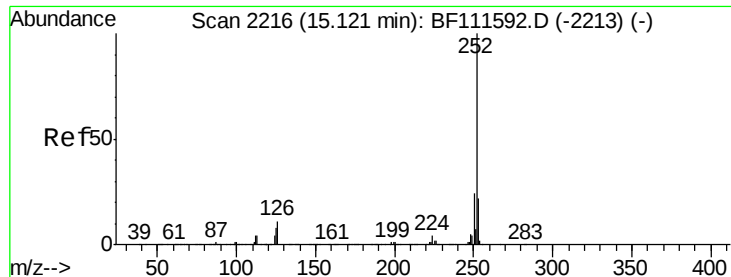


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

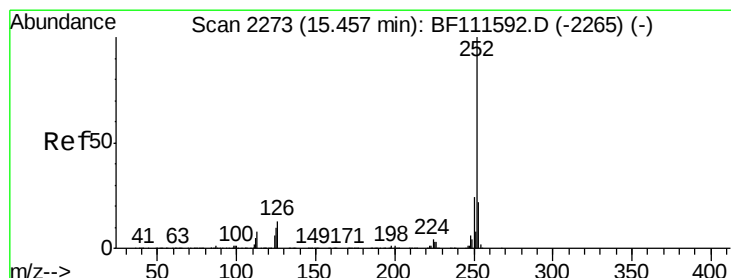
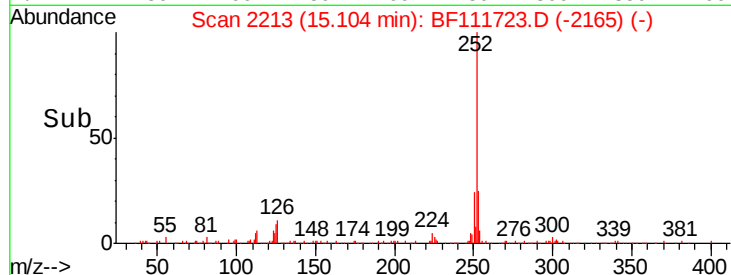
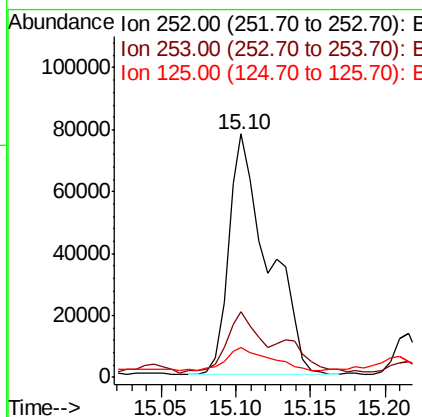
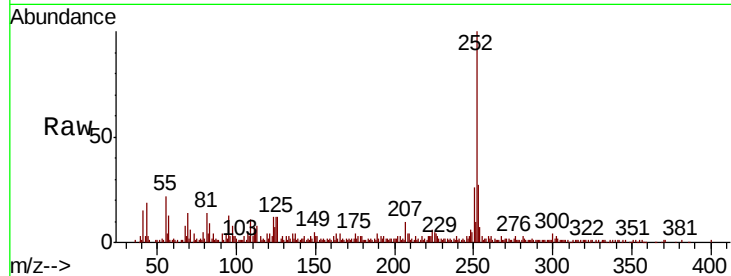




#89
Benzo(k)fluoranthene
Concen: 7.641 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

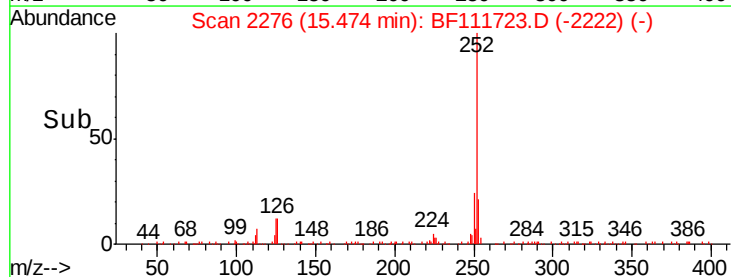
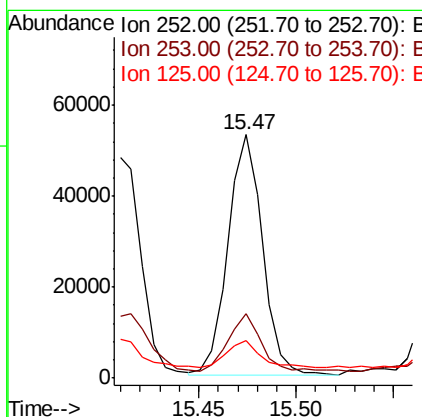
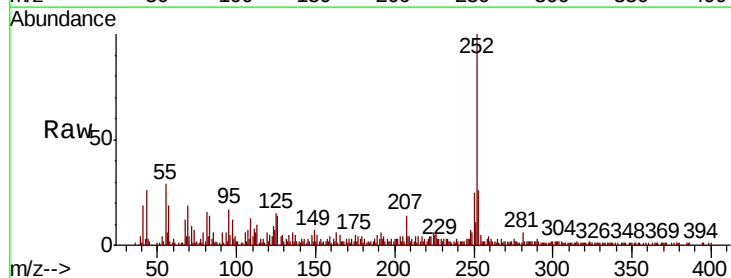
Instrument :
BNA_F
ClientSampled :
SB-07A

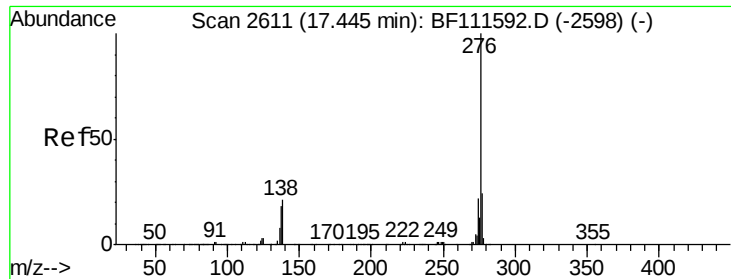
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.1	27.1
125	12.3	9.8	14.8



#90
Benzo(a)pyrene
Concen: 3.598 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF111723.D
Acq: 26 Dec 2018 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	15.4	12.3	18.5

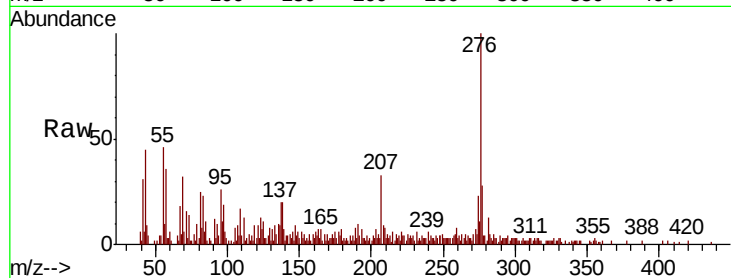




#92
 Benzo(a,h,i)perylene
 Concen: 2.852 ng
 RT: 17.48 min Scan# 2617
 Delta R.T. 0.04 min
 Lab File: BF111723.D
 Acq: 26 Dec 2018 19:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-07A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.2	28.8
138	20.1	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

