

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111346.D
 Acq On : 13 Dec 2018 2:35
 Operator : JU/SJ
 Sample : J6214-47
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

Quant Time: Dec 13 04:42:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	223048	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	789858	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	313766	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	578301	20.00	ng	0.00
76) Chrysene-d12	13.95	240	369924	20.00	ng	0.00
87) Perylene-d12	15.39	264	299747	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1567165	118.81	ng	0.00
7) Phenol-d6	6.43	99	1951156	109.72	ng	0.00
23) Nitrobenzene-d5	7.35	82	1069047	76.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	286822	103.70	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1660295	84.95	ng	0.00
79) Terphenyl-d14	12.90	244	1380579	82.14	ng	0.00

Target Compounds

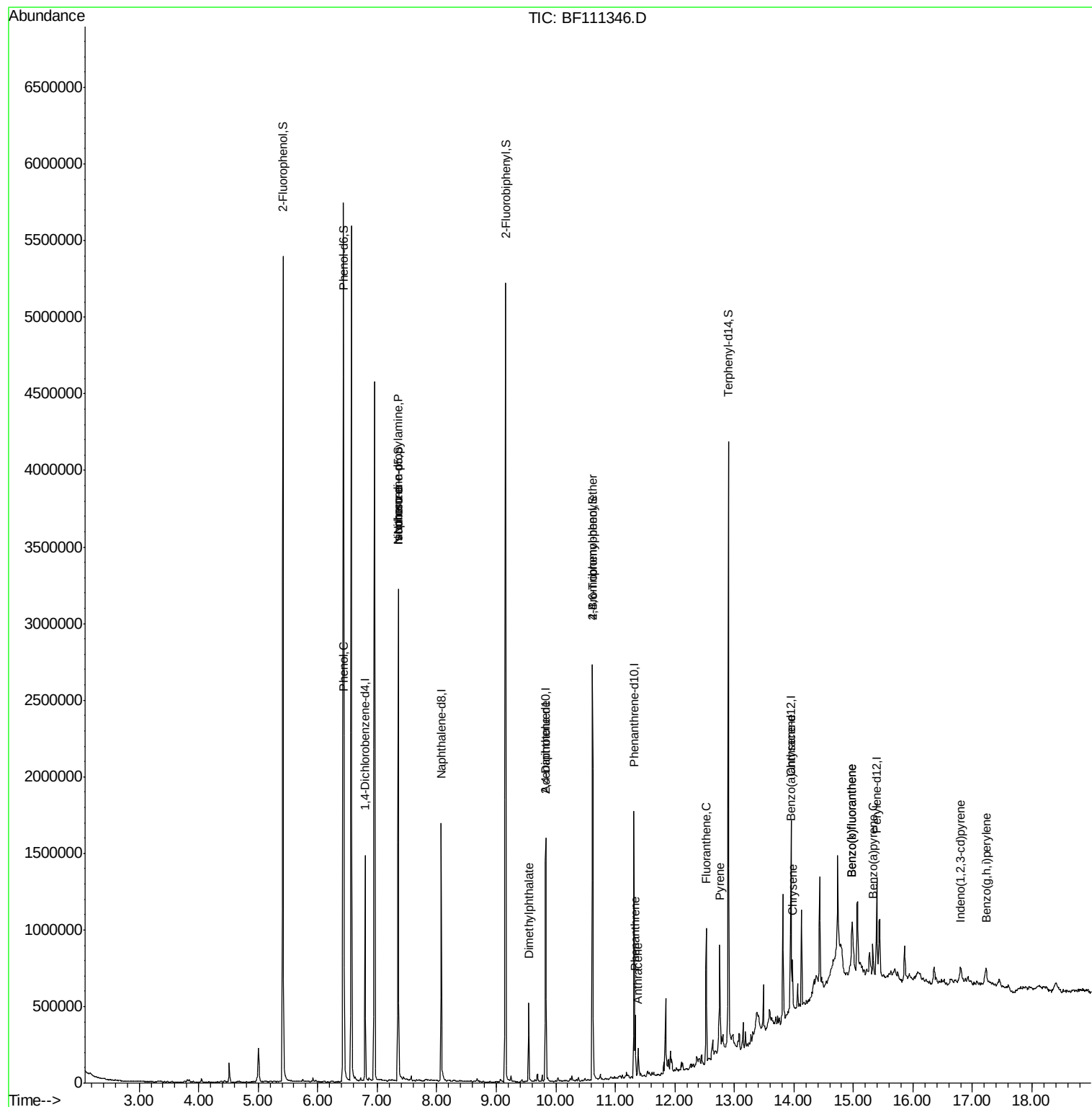
						Qvalue
9) Benzaldehyde	6.43	77	4025	Below Cal	#	1
10) Phenol	6.45	94	116342	5.775 ng		90
19) n-Nitroso-di-n-propylamine	7.35	70	139425	11.798 ng	#	78
25) Isophorone	7.35	82	1064746	44.729 ng	#	64
50) Dimethylphthalate	9.55	163	179288	7.946 ng		97
57) 2,4-Dinitrotoluene	9.83	165	41670	6.501 ng	#	25
67) 4-Bromophenyl-phenylether	10.62	248	17869	2.776 ng	#	1
71) Phenanthrene	11.34	178	135210	4.523 ng		94
72) Anthracene	11.39	178	66970	2.200 ng		94
75) Fluoranthene	12.53	202	320763	10.992 ng		97
78) Pyrene	12.76	202	299523	10.491 ng		94
81) Benzo(a)anthracene	13.94	228	145148	7.013 ng		95
83) Chrysene	13.97	228	128828	6.101 ng		97
86) Indeno(1,2,3-cd)pyrene	16.80	276	82681	5.006 ng		92
88) Benzo(b)fluoranthene	14.98	252	174108	10.215 ng	#	91
89) Benzo(k)fluoranthene	14.98	252	174108	10.234 ng	#	91
90) Benzo(a)pyrene	15.33	252	100863	6.355 ng	#	94
92) Benzo(g,h,i)perylene	17.23	276	108725	8.236 ng		96

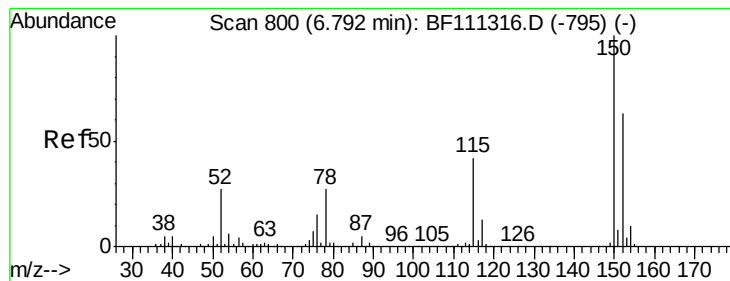
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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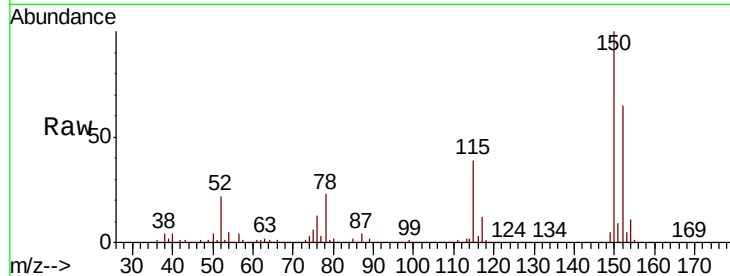


#1

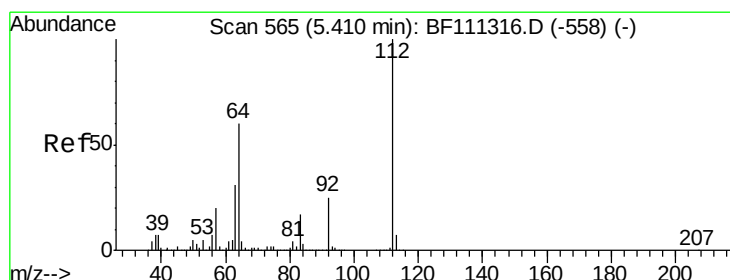
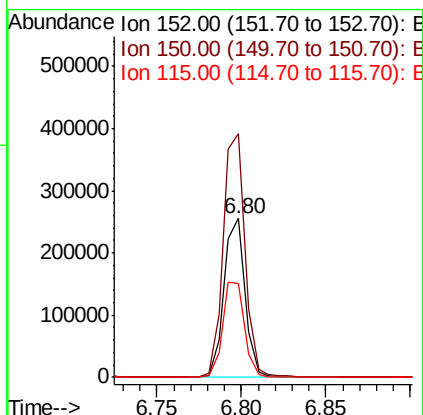
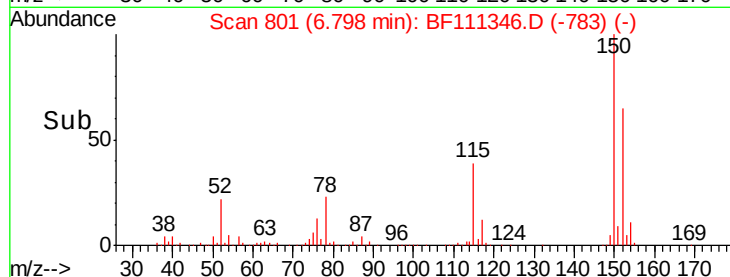
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tgt Ion:152 Resp: 223048
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 59.5 50.7 76.1



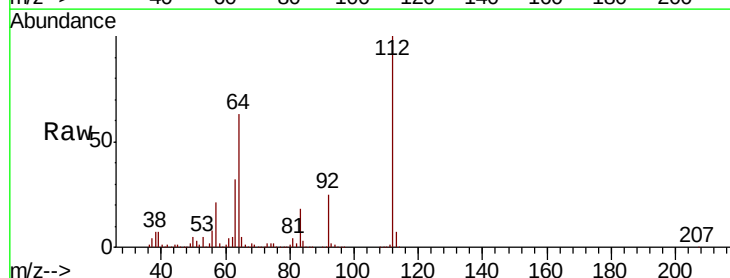
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



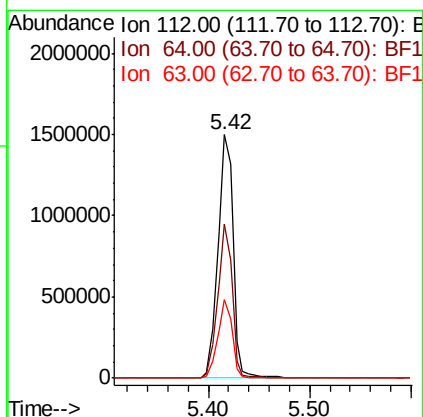
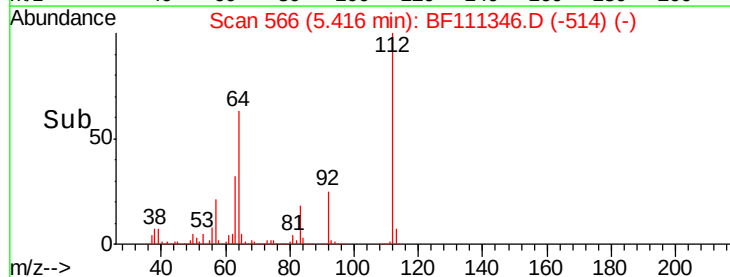
#5

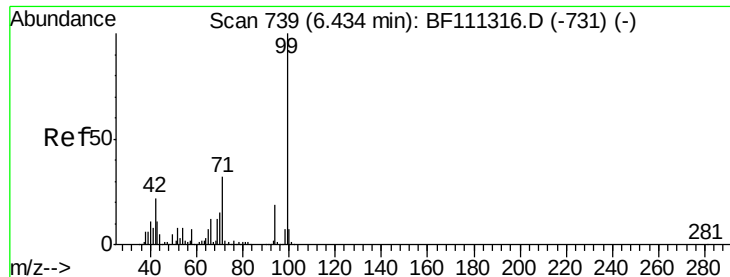
2-Fluorophenol
Concen: 118.814 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion:112 Resp: 1567165
Ion Ratio Lower Upper
112 100
64 63.1 51.8 77.6
63 32.4 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: 109.716 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

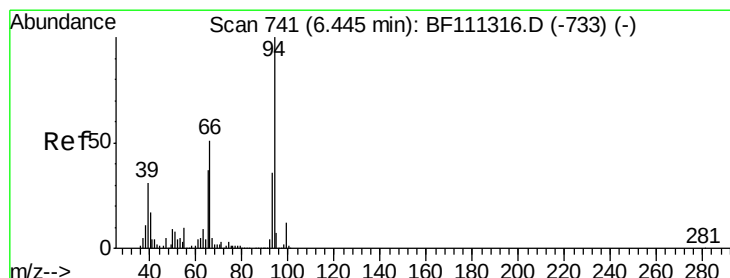
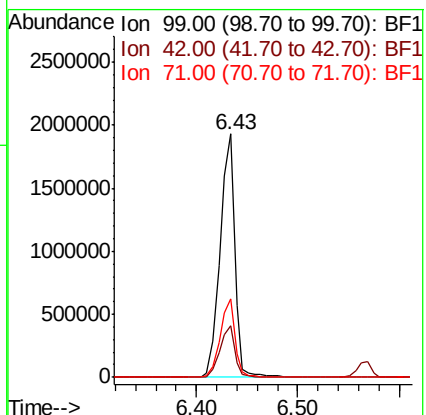
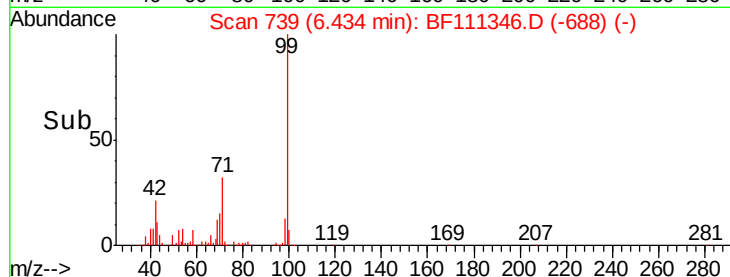
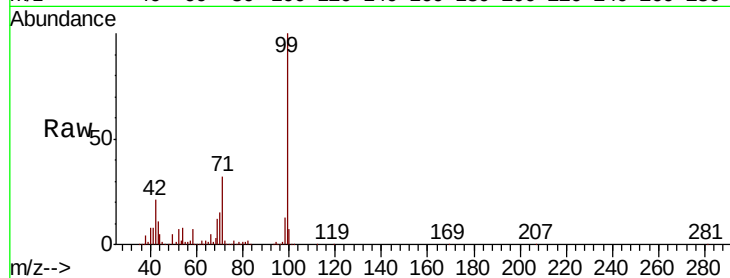
Tgt Ion: 99 Resp: 1951156

Ion Ratio Lower Upper

99 100

42 21.0 17.4 26.0

71 32.0 26.1 39.1



#10

Phenol

Concen: 5.775 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

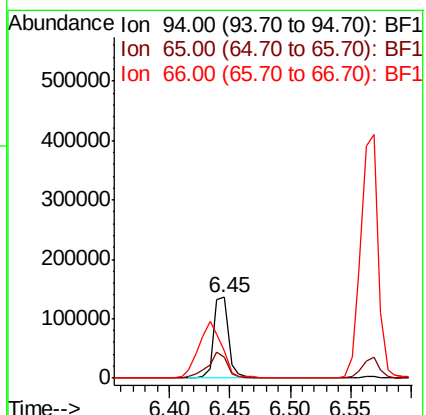
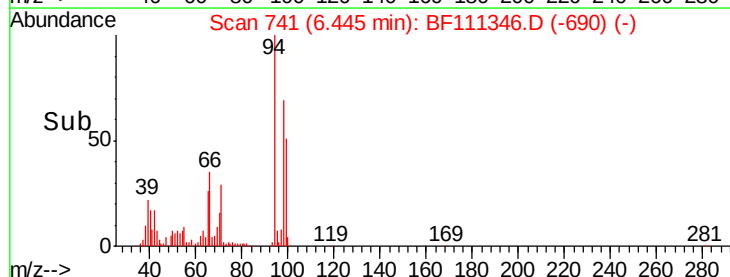
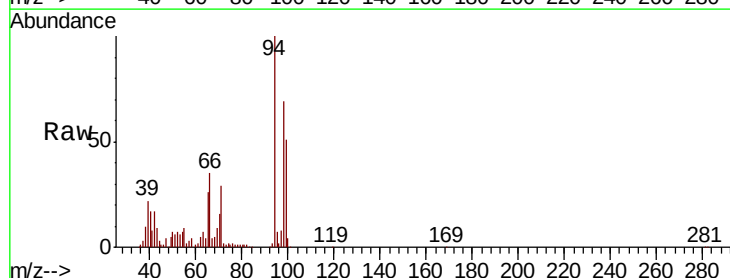
Tgt Ion: 94 Resp: 116342

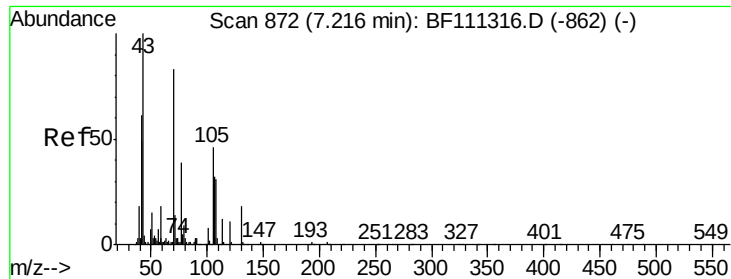
Ion Ratio Lower Upper

94 100

65 26.2 11.7 51.7

66 34.6 21.0 61.0

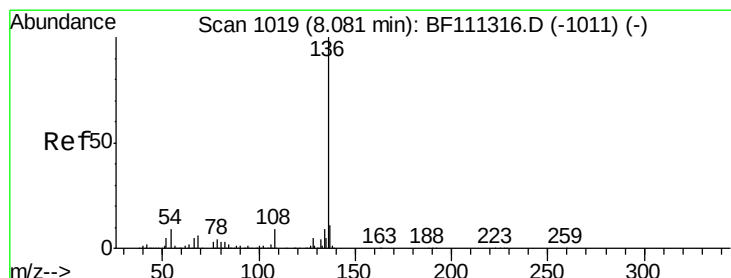
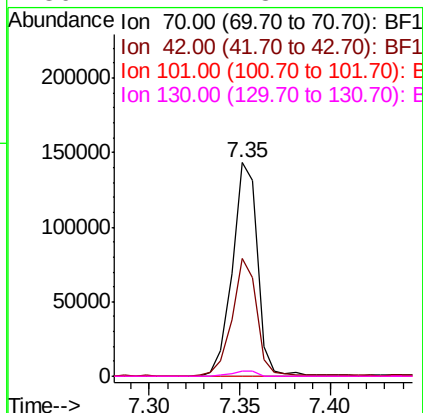
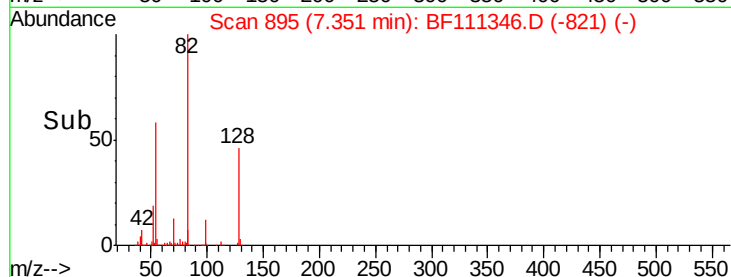
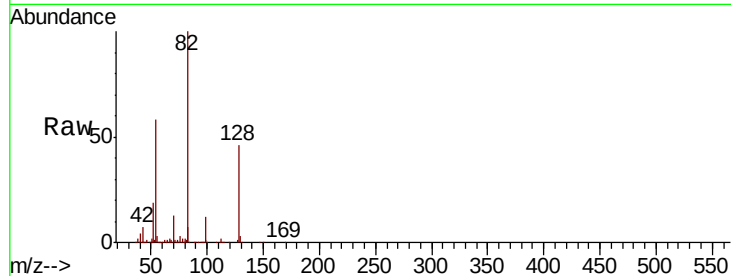




#19
n-Nitroso-di-n-propylamine
Concen: 11.798 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

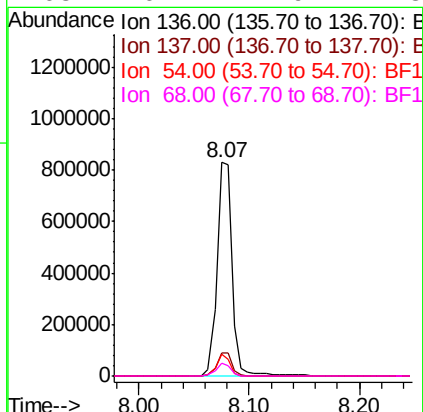
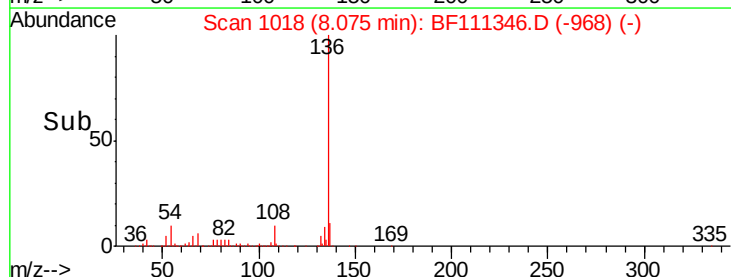
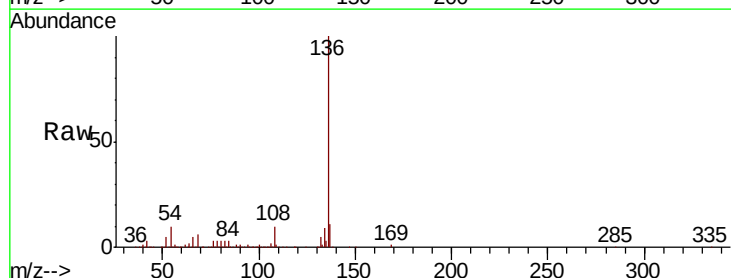
Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

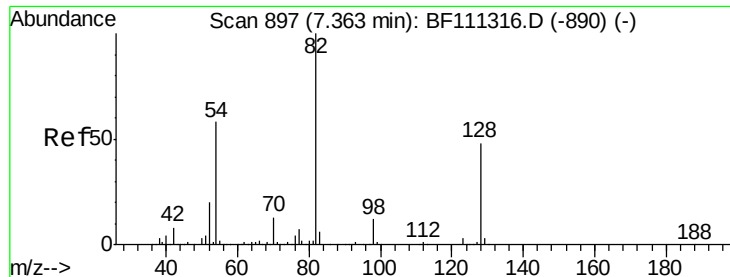
Tgt Ion: 70 Resp: 139425
Ion Ratio Lower Upper
70 100
42 55.3 53.2 79.8
101 0.0 8.2 12.4#
130 2.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion: 136 Resp: 789858
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.0 7.7 11.5
68 6.2 4.9 7.3

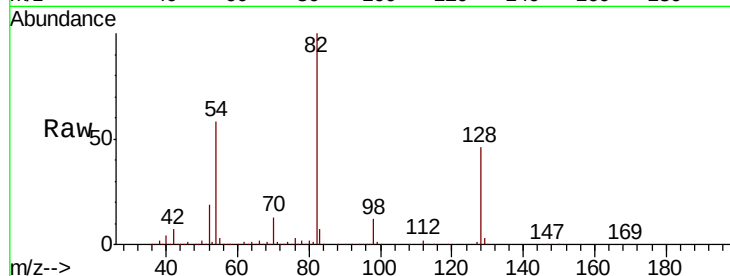




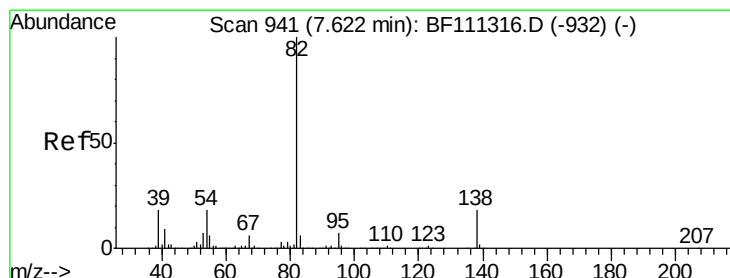
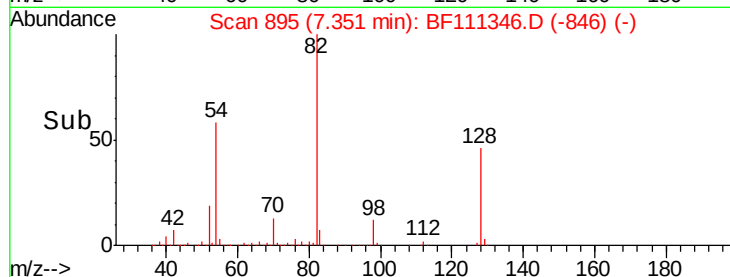
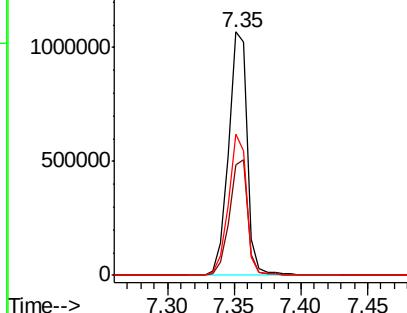
#23
Nitrobenzene-d5
Concen: 76.286 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tgt Ion: 82 Resp: 1069047
Ion Ratio Lower Upper
82 100
128 45.6 37.4 56.2
54 58.2 47.6 71.4

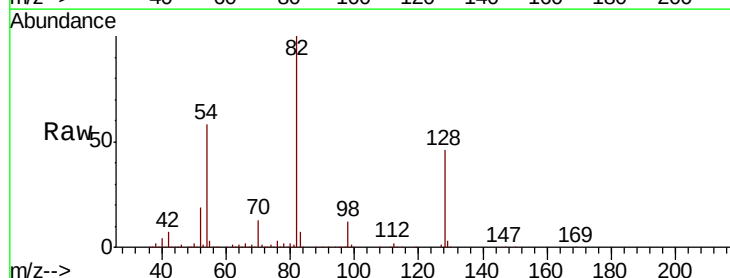


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

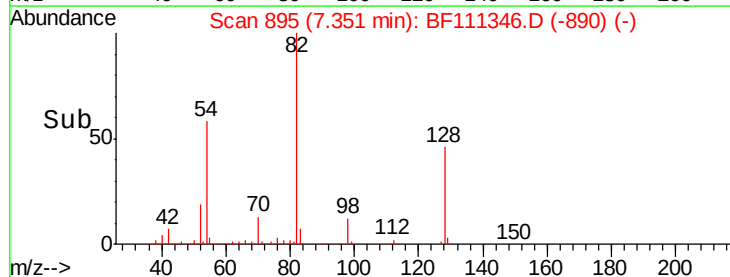
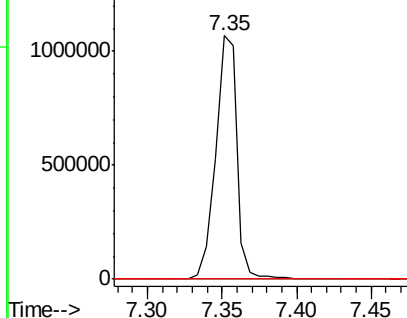


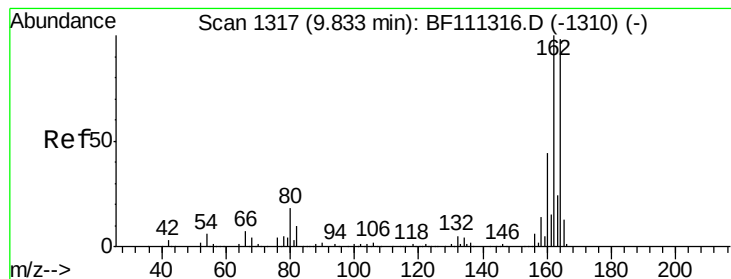
#25
Isophorone
Concen: 44.729 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.27 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion: 82 Resp: 1064746
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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

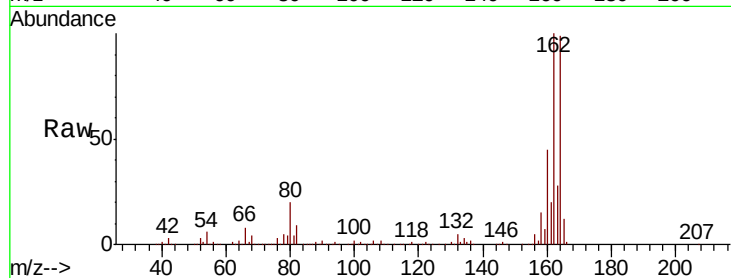
Tgt Ion:164 Resp: 313766

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

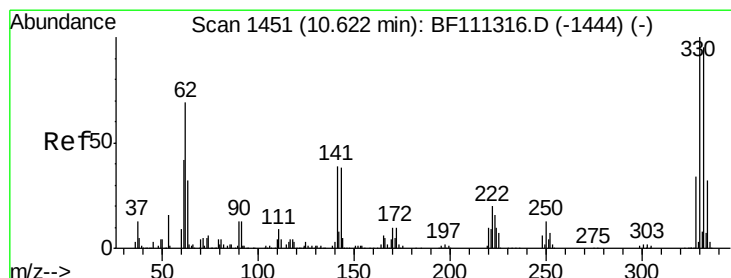
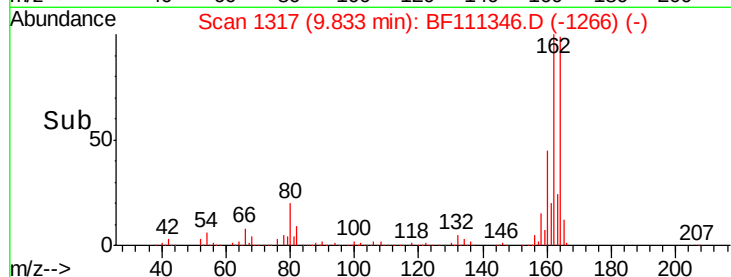
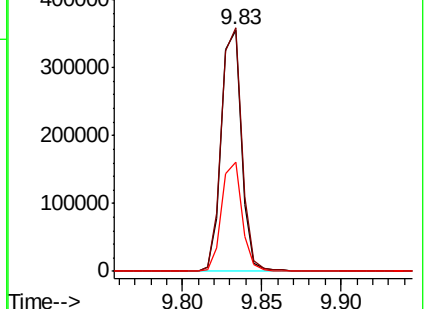
160 45.2 35.7 53.5



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: 103.700 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

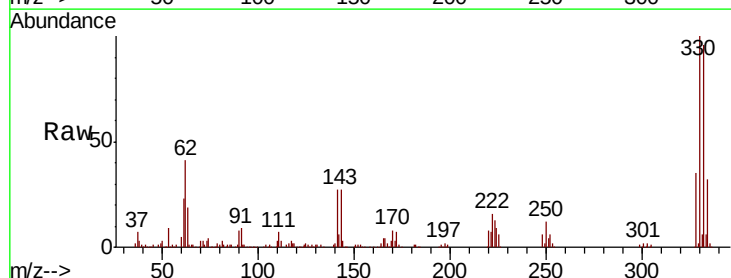
Tgt Ion:330 Resp: 286822

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

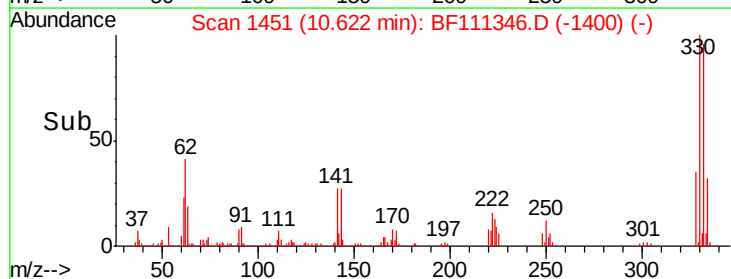
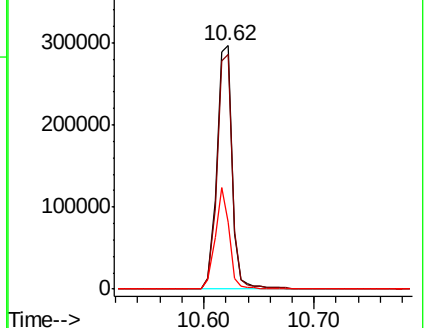
141 37.7 31.0 46.6

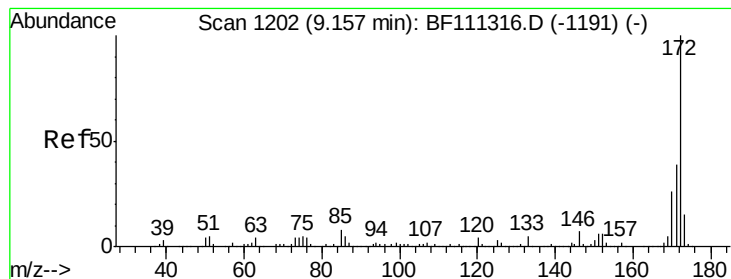


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 84.954 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

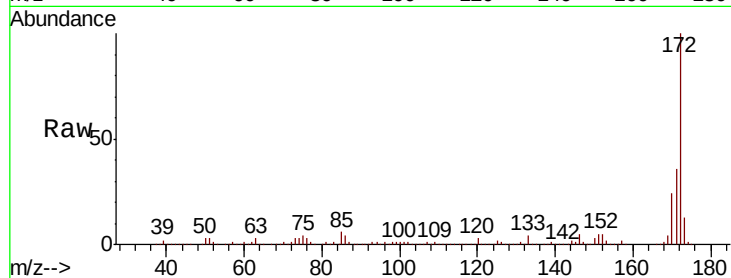
Tgt Ion:172 Resp: 1660295

Ion Ratio Lower Upper

172 100

171 35.7 33.0 49.4

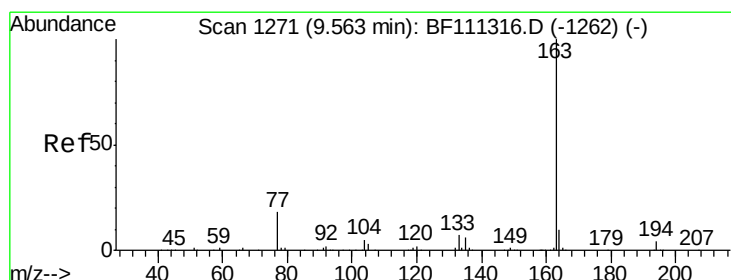
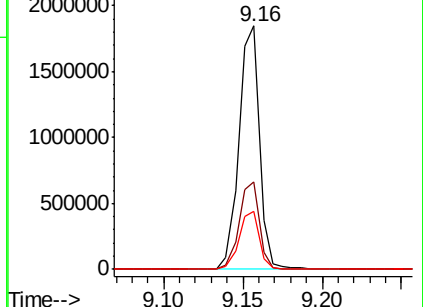
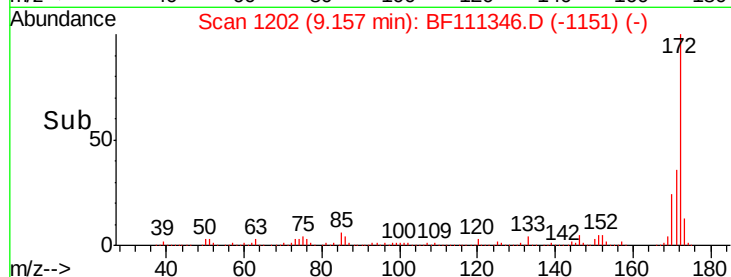
170 23.9 22.3 33.5



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: 7.946 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

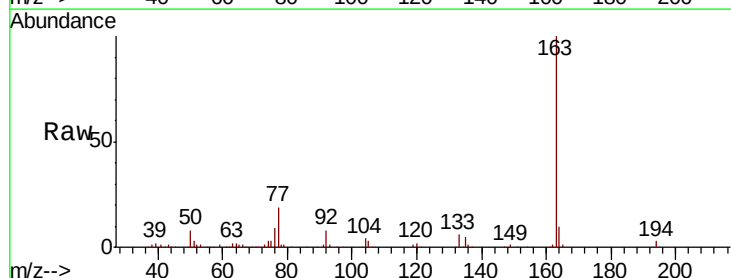
Tgt Ion:163 Resp: 179288

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.6

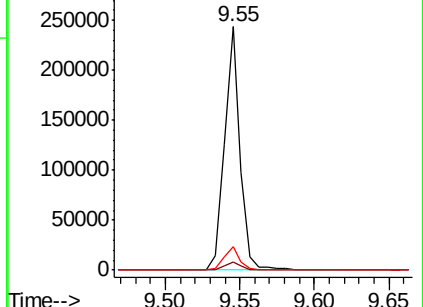
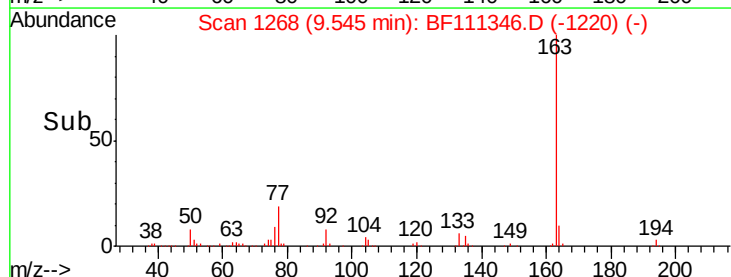
164 9.6 8.9 13.3

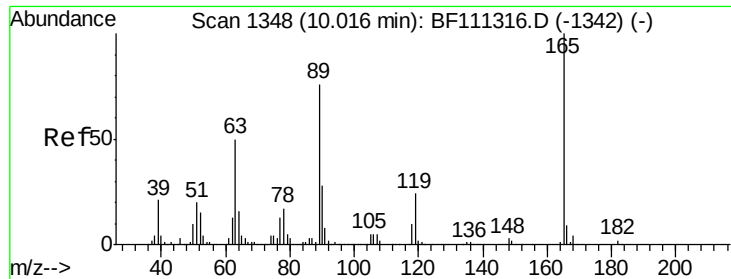


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

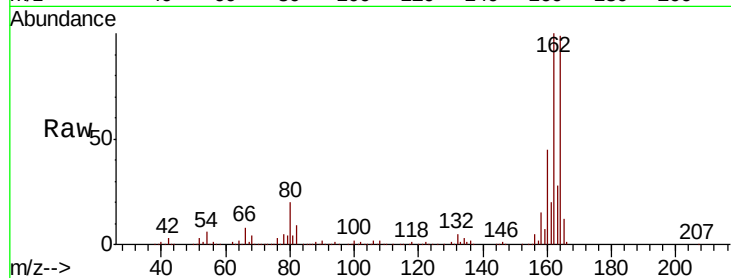




#57
2,4-Dinitrotoluene
Concen: 6.501 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.18 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#

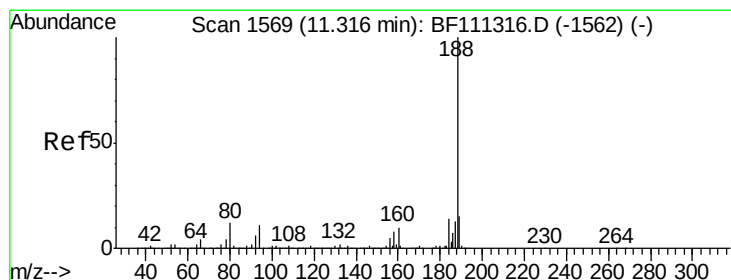
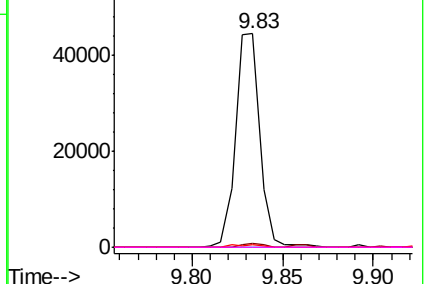
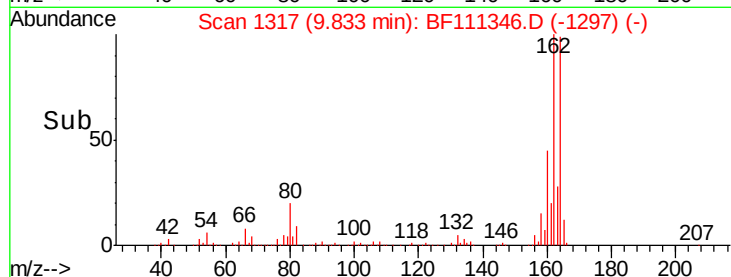


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

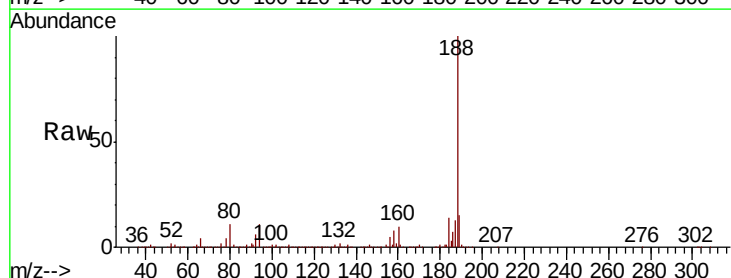
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

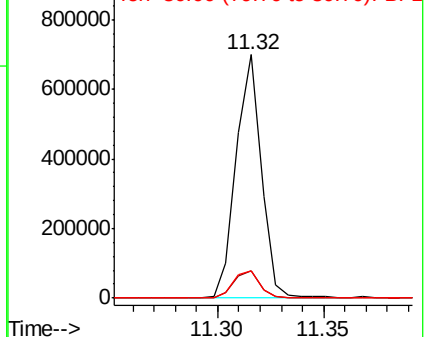
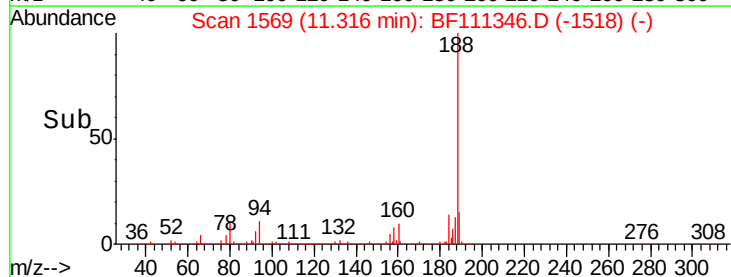
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.6	14.4
80	11.2	9.8	14.6

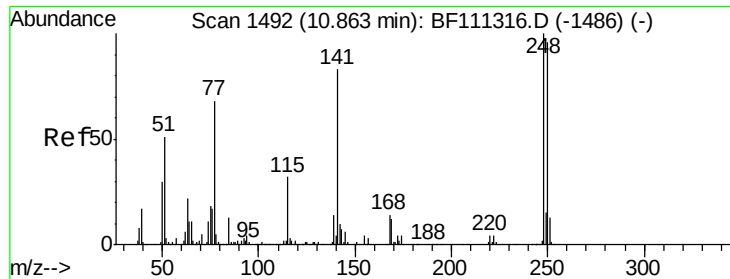


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

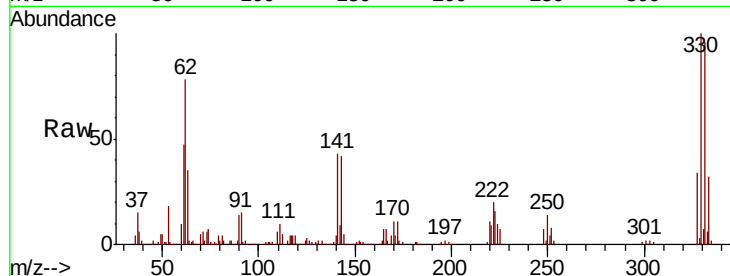




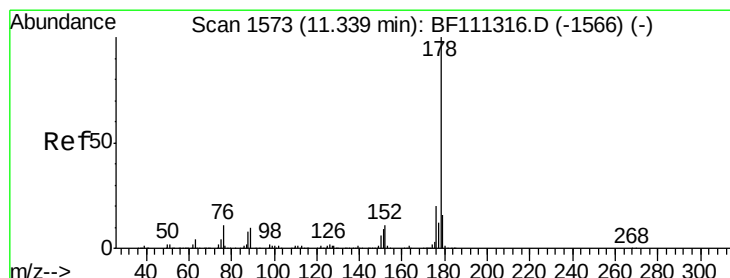
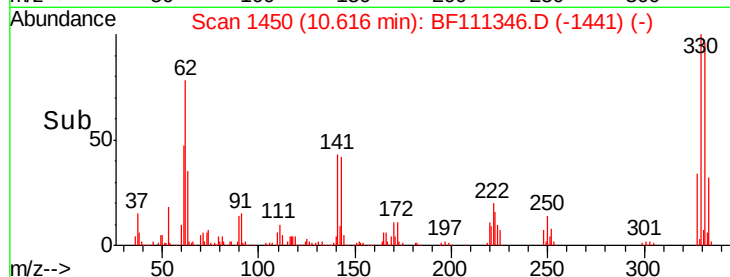
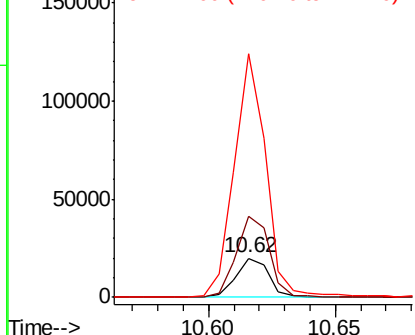
#67
 4-Bromophenyl-phenylether
 Concen: 2.776 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

Tgt Ion:248 Resp: 17869
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.0 115.4#
 141 618.2 63.0 94.6#

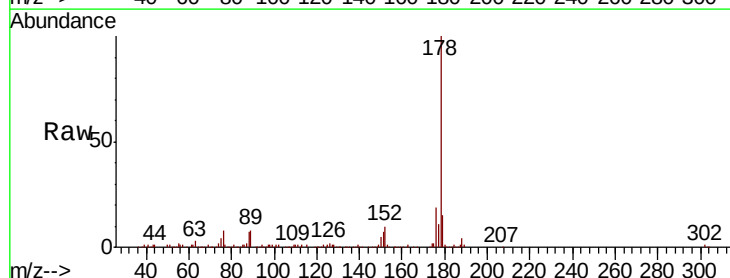


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

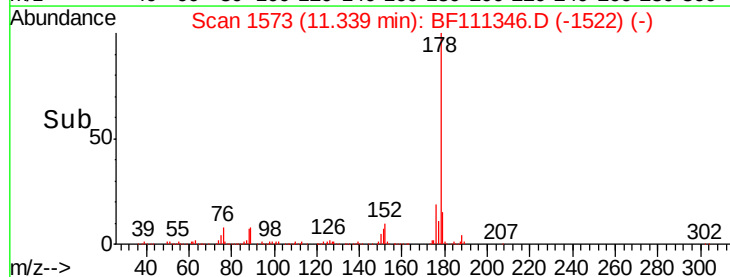
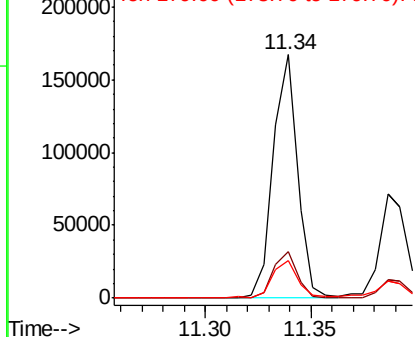


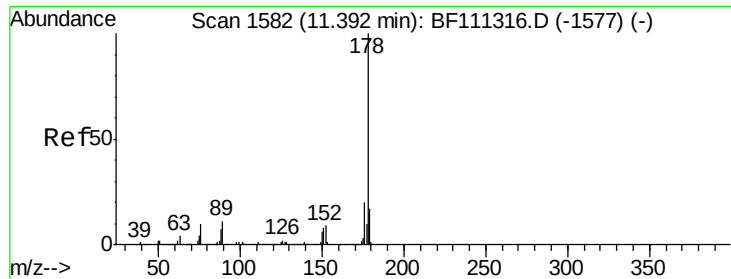
#71
 Phenanthrene
 Concen: 4.523 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Tgt Ion:178 Resp: 135210
 Ion Ratio Lower Upper
 178 100
 176 19.1 18.1 27.1
 179 15.2 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

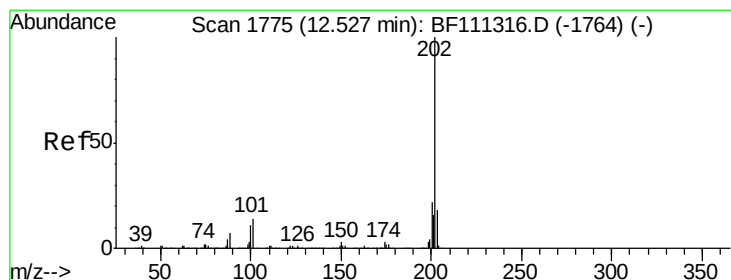
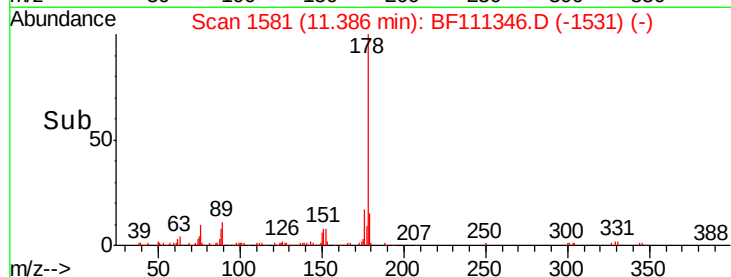
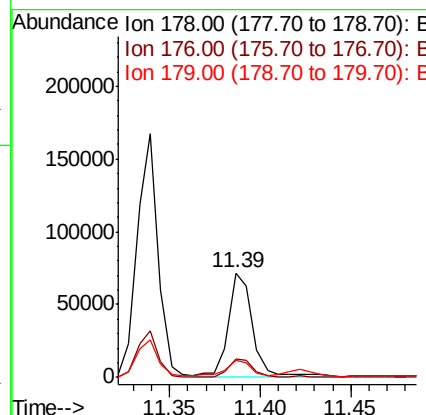
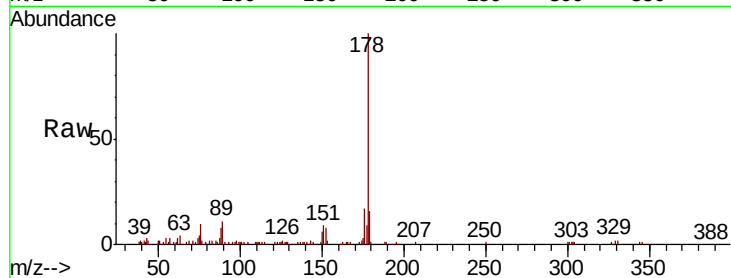




#72
 Anthracene
 Concen: 2.200 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

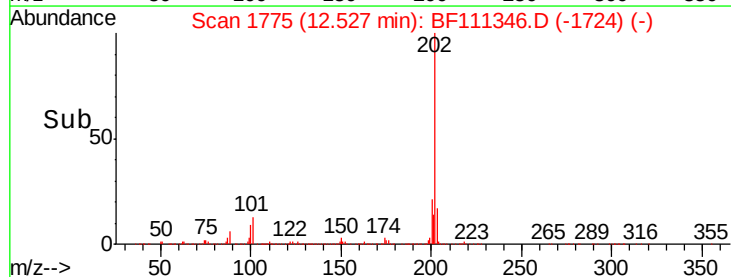
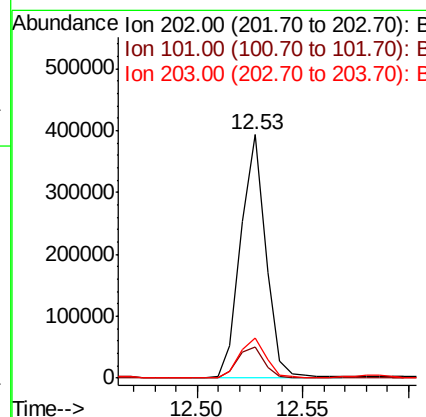
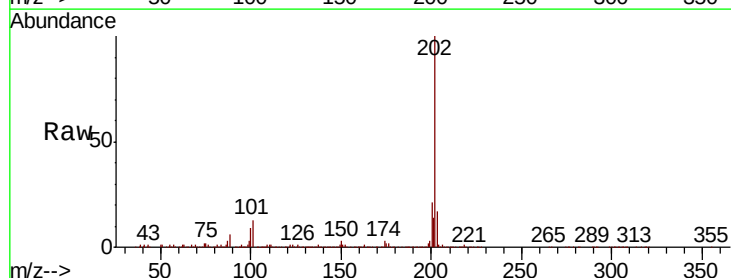
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

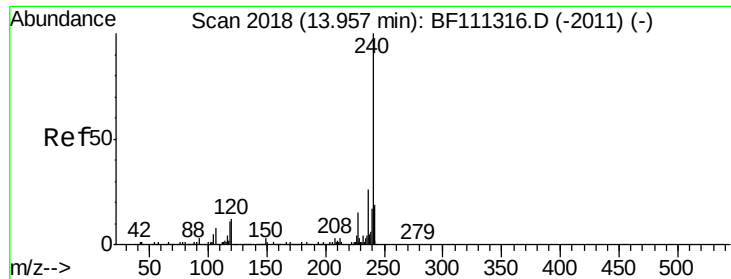
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	17.2	25.8
179	16.0	13.8	20.8



#75
 Fluoranthene
 Concen: 10.992 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.8
203	16.6	0.0	38.6

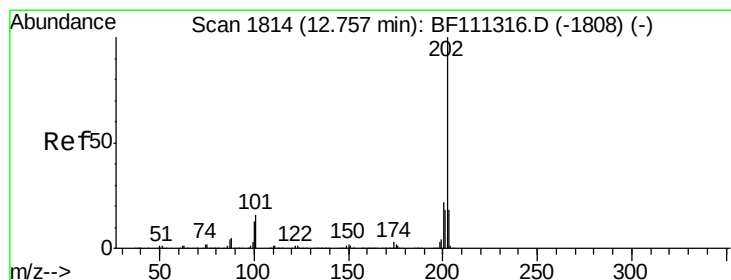
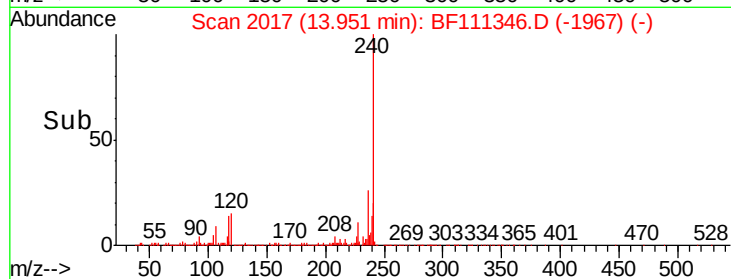
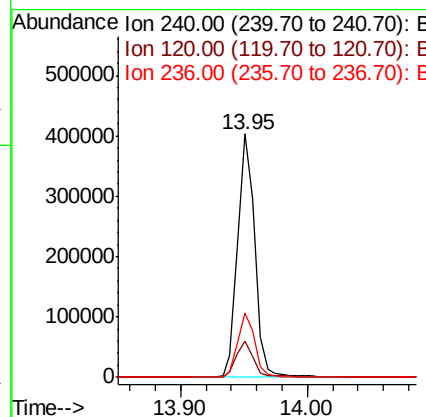
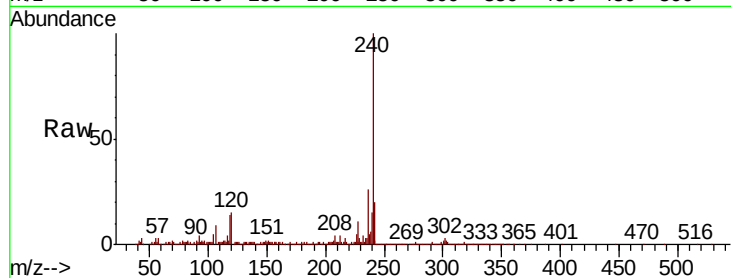




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

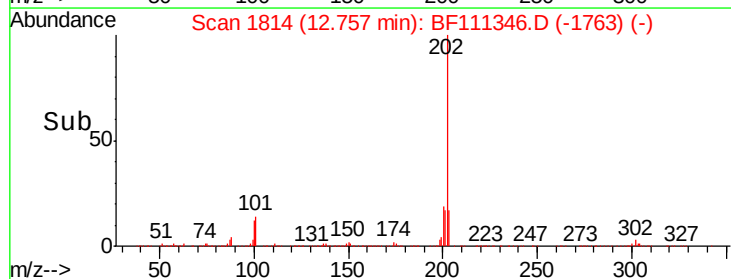
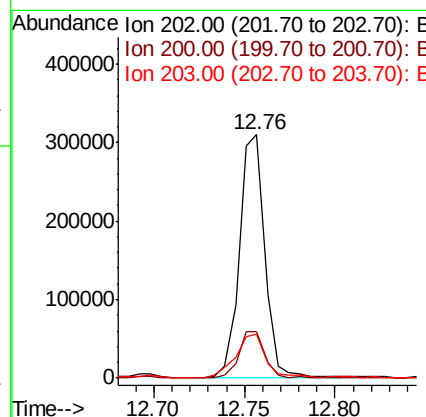
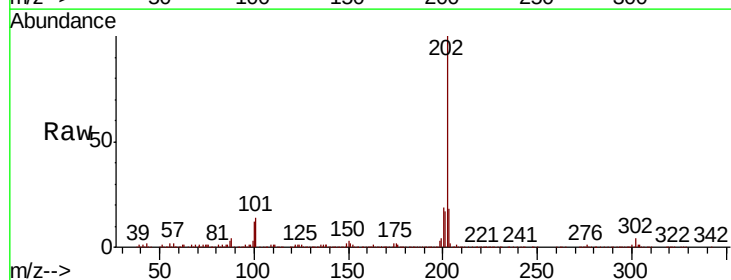
Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

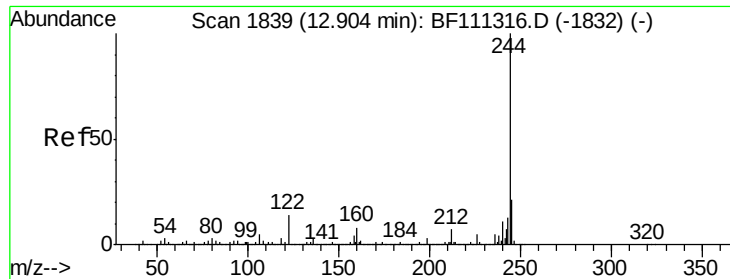
Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	12.2	18.2
236	26.2	20.2	30.2



#78
Pyrene
Concen: 10.491 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	19.0	28.4
203	18.0	15.2	22.8





#79

Terphenyl-d14

Concen: 82.140 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

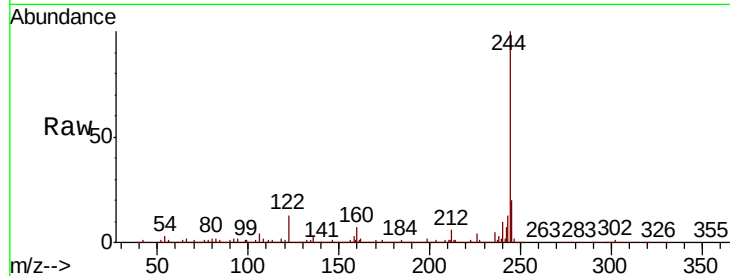
Tgt Ion:244 Resp: 1380579

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

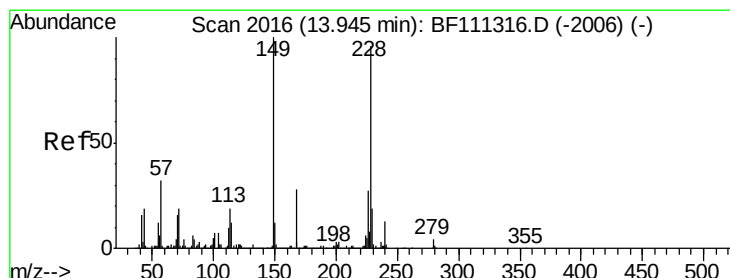
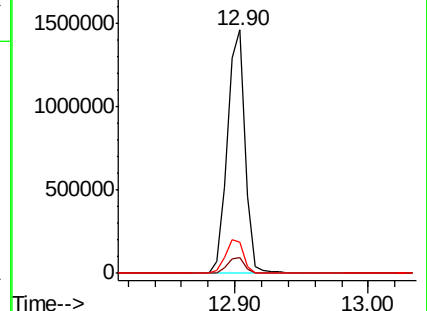
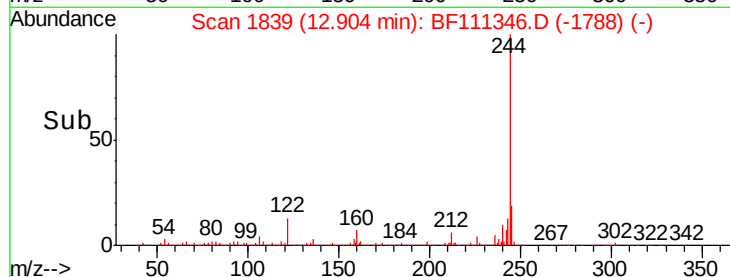
122 12.6 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 7.013 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

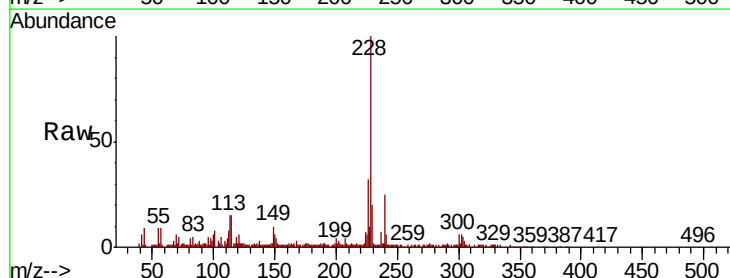
Tgt Ion:228 Resp: 145148

Ion Ratio Lower Upper

228 100

226 32.3 22.6 34.0

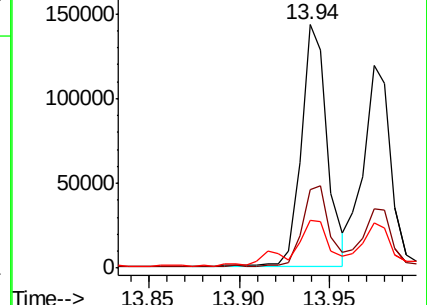
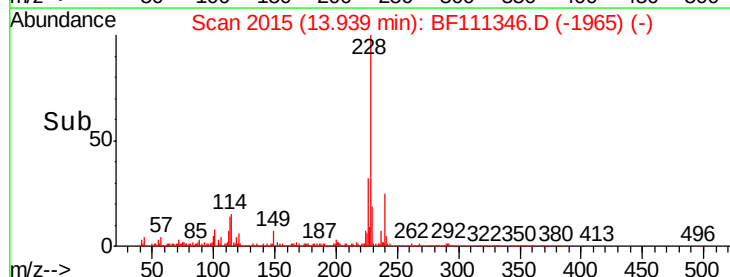
229 19.6 16.3 24.5

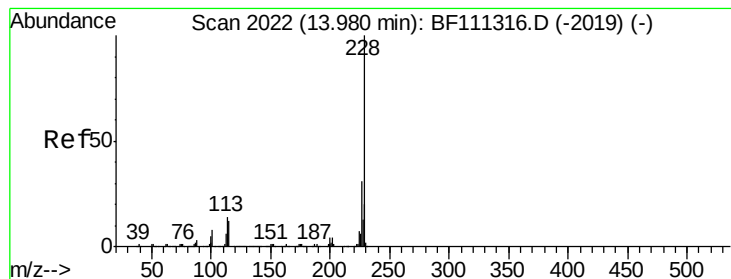


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.101 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

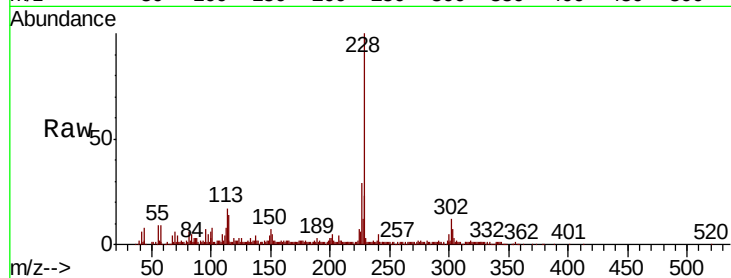
Tgt Ion:228 Resp: 128828

Ion Ratio Lower Upper

228 100

226 29.4 25.3 37.9

229 22.5 17.2 25.8

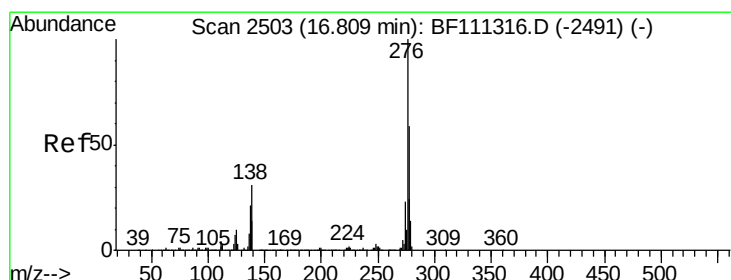
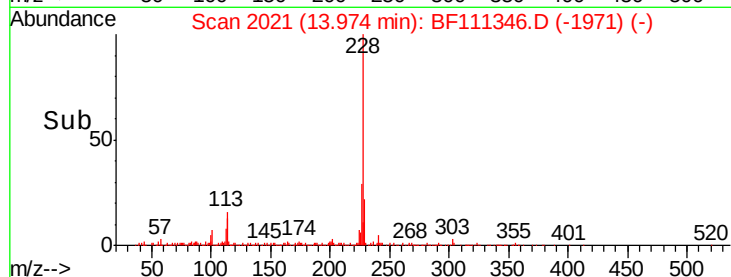
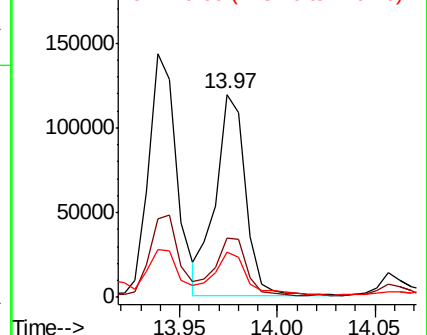


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.006 ng

RT: 16.80 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

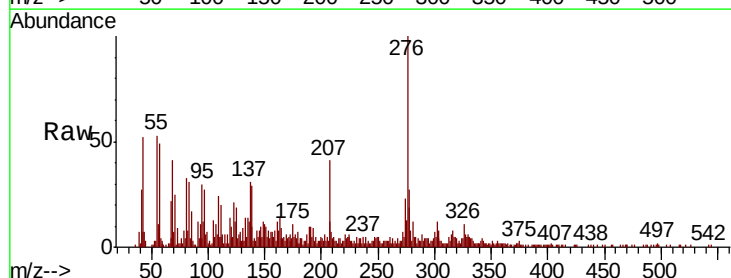
Tgt Ion:276 Resp: 82681

Ion Ratio Lower Upper

276 100

138 28.1 27.8 41.6

277 26.2 20.1 30.1

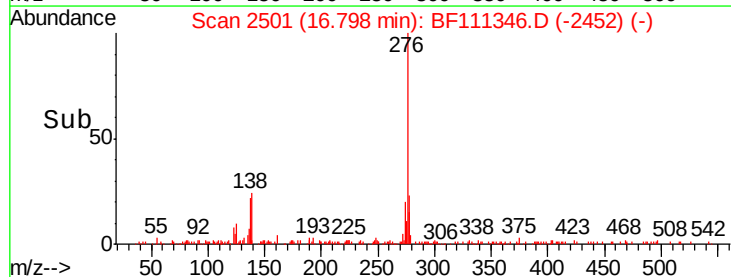
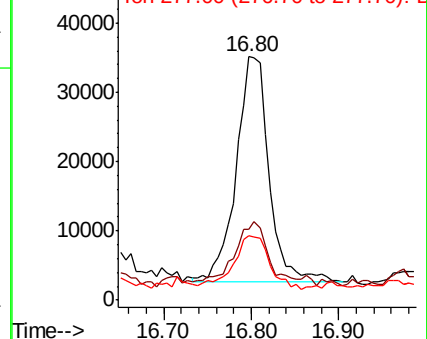


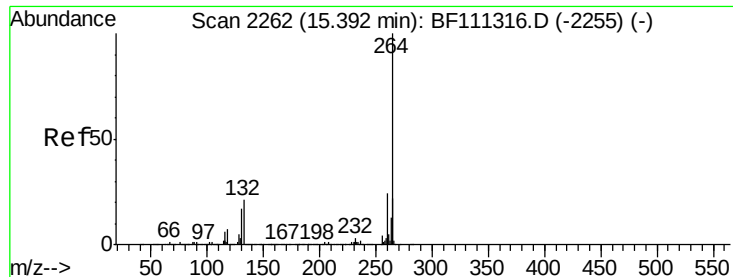
Abundance

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

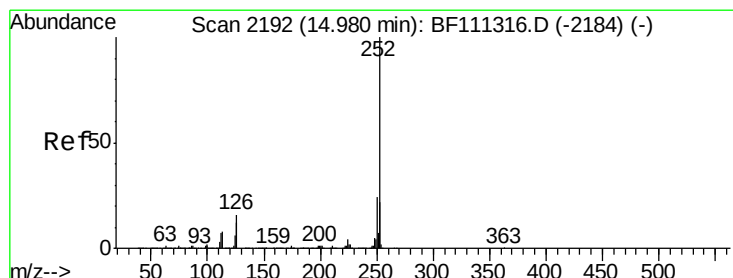
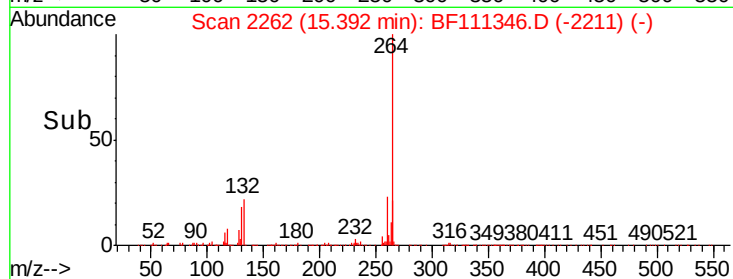
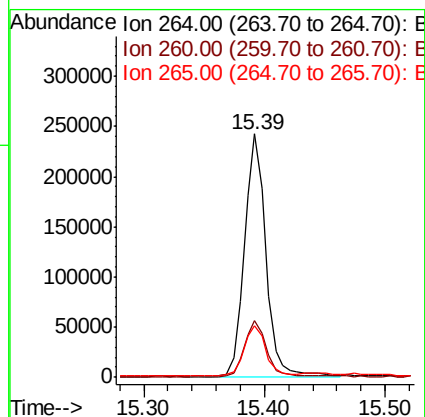
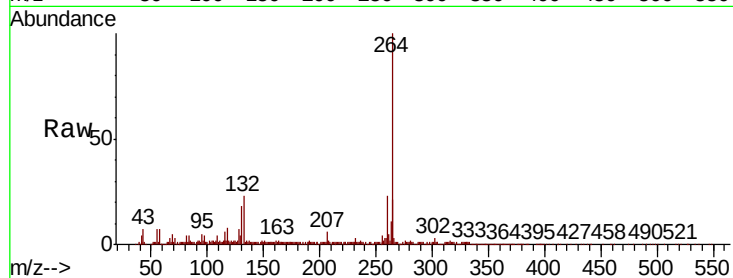




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

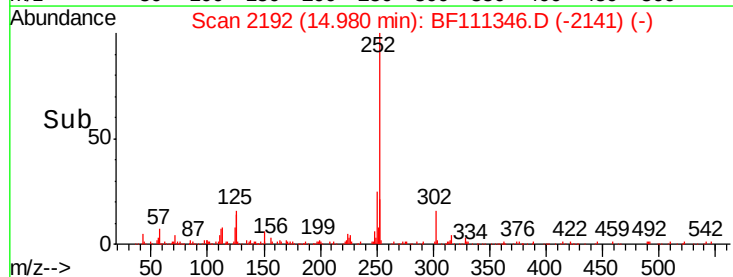
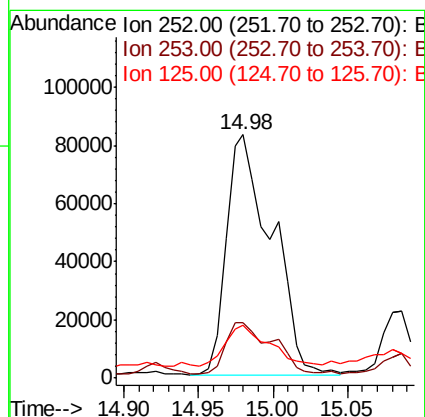
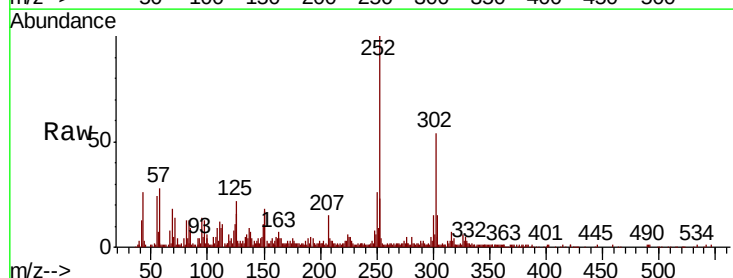
Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

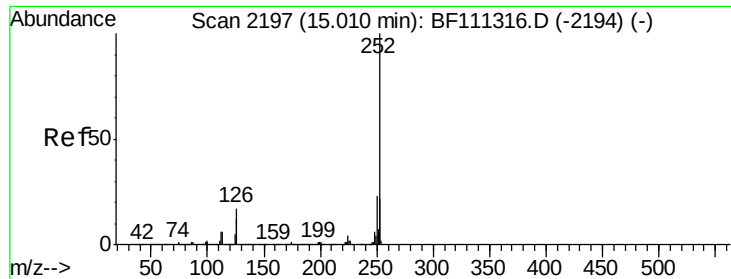
Tgt Ion:264 Resp: 299747
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 21.2 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 10.215 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion:252 Resp: 174108
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 21.9 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 10.234 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

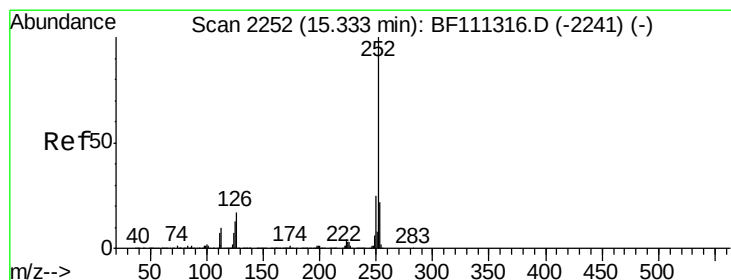
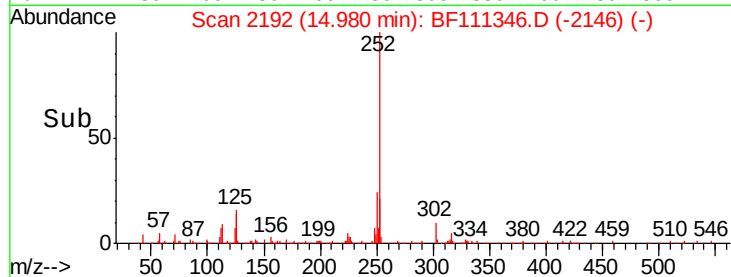
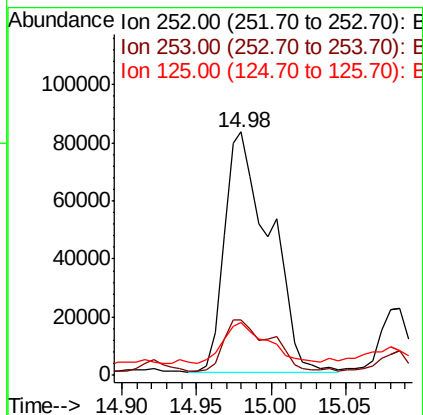
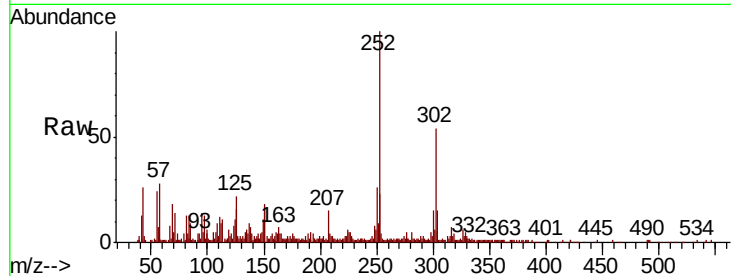
Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

Tgt Ion:	252	Resp:	174108
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	21.9	9.8	14.8#



#90

Benzo(a)pyrene

Concen: 6.355 ng

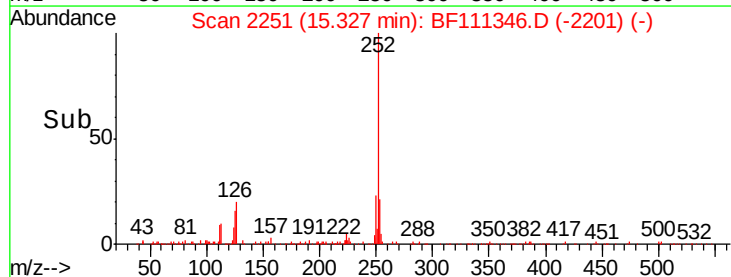
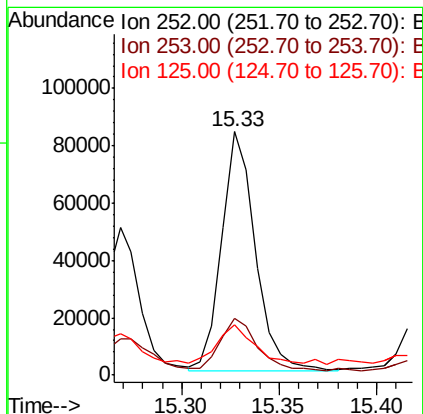
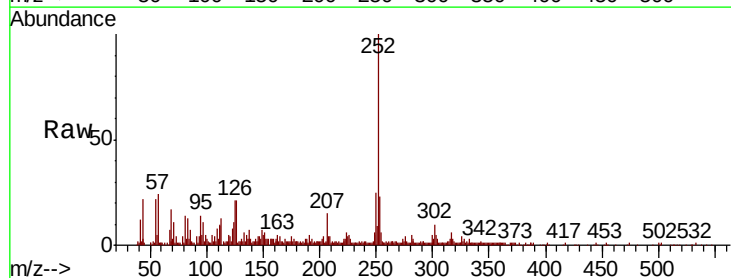
RT: 15.33 min Scan# 2251

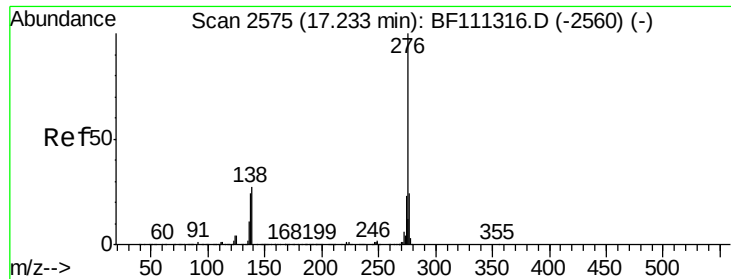
Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Tgt Ion:	252	Resp:	100863
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	20.7	12.3	18.5#





#92

Benzo(g,h,i)perylene

Concen: 8.236 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

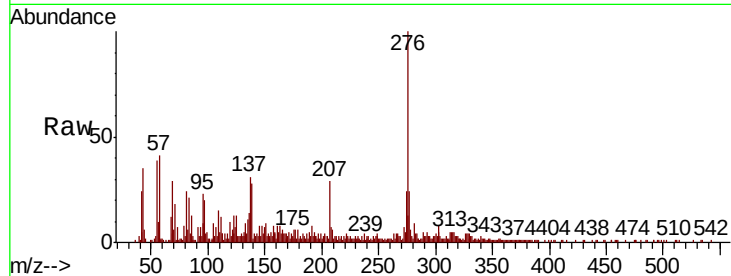
Tgt Ion: 276 Resp: 108725

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 27.7 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

