

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111347.D
 Acq On : 13 Dec 2018 3:02
 Operator : JU/SJ
 Sample : J6214-49
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

Quant Time: Dec 13 04:42:34 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	226329	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	810826	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	367398	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	631297	20.00	ng	0.00
76) Chrysene-d12	13.95	240	397810	20.00	ng	0.00
87) Perylene-d12	15.39	264	326792	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1379101	103.04	ng	0.00
7) Phenol-d6	6.43	99	1710148	94.77	ng	0.00
23) Nitrobenzene-d5	7.35	82	921386	64.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	285668	88.21	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1701278	74.34	ng	0.00
79) Terphenyl-d14	12.90	244	1380873	76.40	ng	0.00

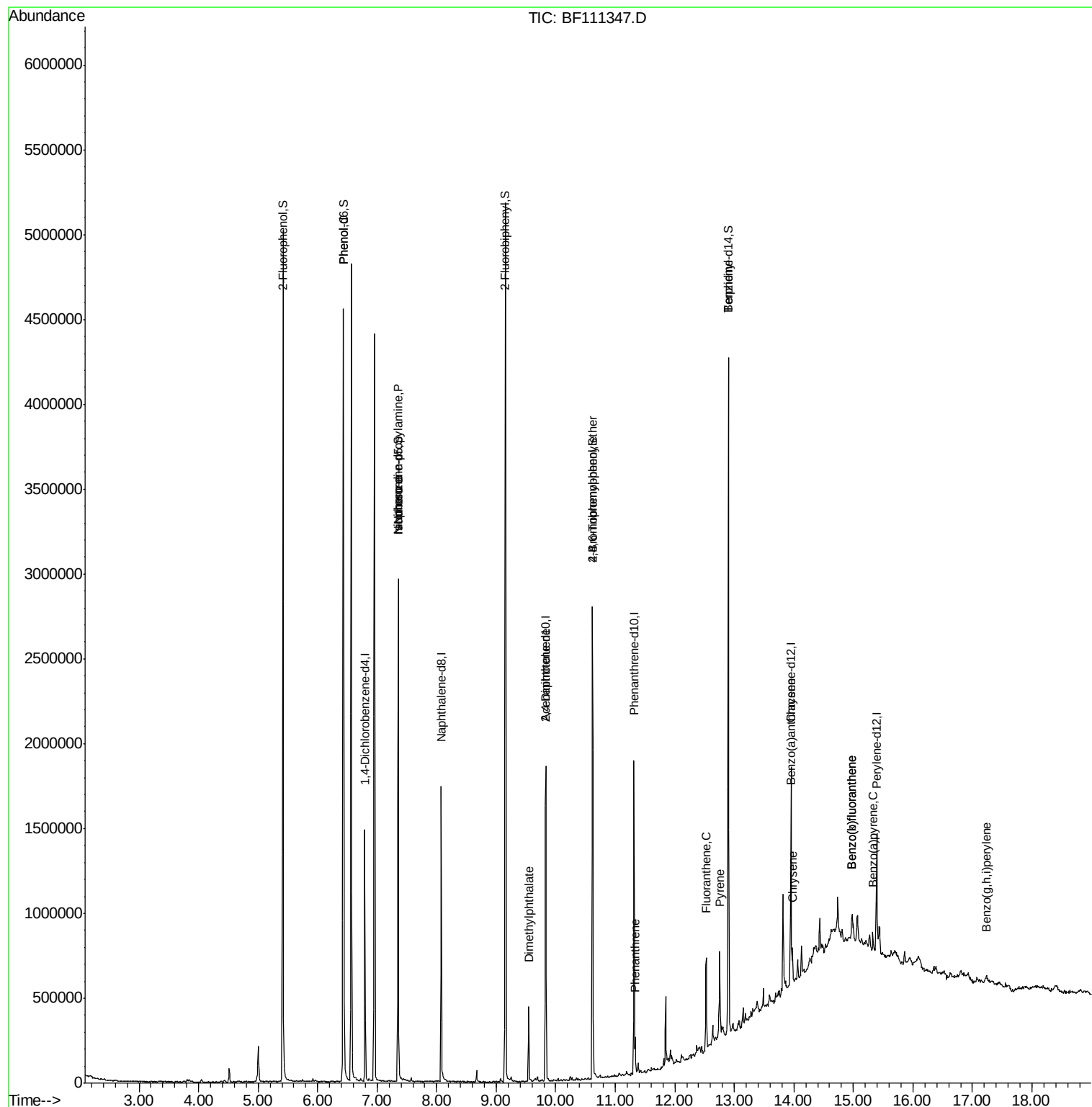
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3333	Below Cal		# 1
10) Phenol	6.44	94	79876	3.908	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	118060	9.846	ng	# 79
25) Isophorone	7.35	82	915133	37.450	ng	# 64
50) Dimethylphthalate	9.55	163	156464	5.922	ng	96
57) 2,4-Dinitrotoluene	9.83	165	46005	6.129	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	18167	2.585	ng	# 1
71) Phenanthrene	11.34	178	72342	2.217	ng	94
75) Fluoranthene	12.53	202	221229	6.945	ng	96
77) Benzidine	12.90	184	16405	2.185	ng	96
78) Pyrene	12.75	202	211316	6.883	ng	95
81) Benzo(a)anthracene	13.94	228	81200	3.648	ng	98
83) Chrysene	13.97	228	77636	3.419	ng	97
88) Benzo(b)fluoranthene	14.98	252	102601	5.521	ng	# 88
89) Benzo(k)fluoranthene	14.98	252	102601	5.531	ng	# 88
90) Benzo(a)pyrene	15.33	252	57126	3.302	ng	# 85
92) Benzo(g,h,i)perylene	17.23	276	32424	2.253	ng	# 85

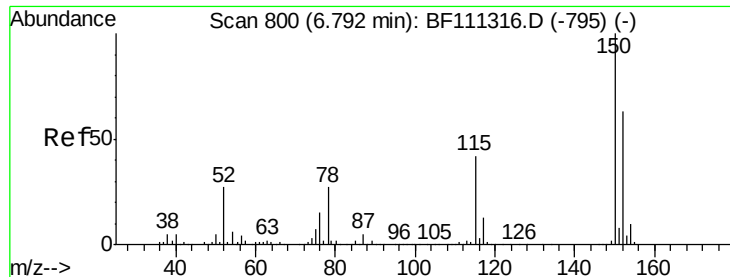
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111347.D
Acq On : 13 Dec 2018 3:02
Operator : JU/SJ
Sample : J6214-49
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Quant Time: Dec 13 04:42:34 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



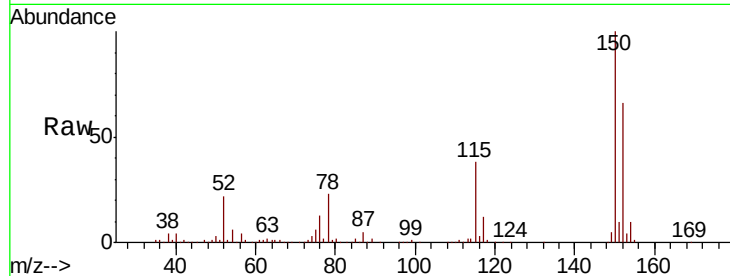


#1

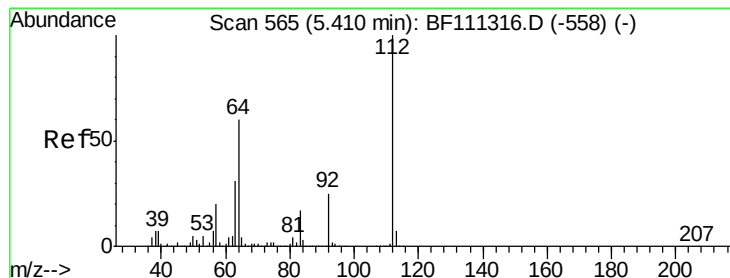
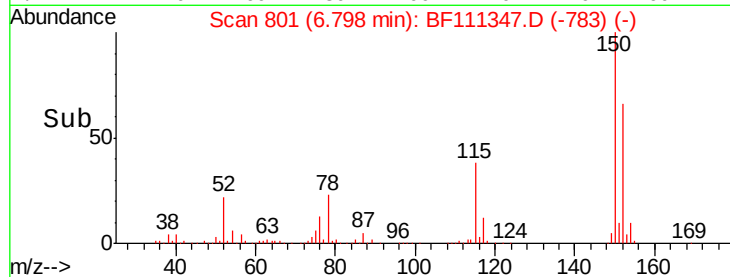
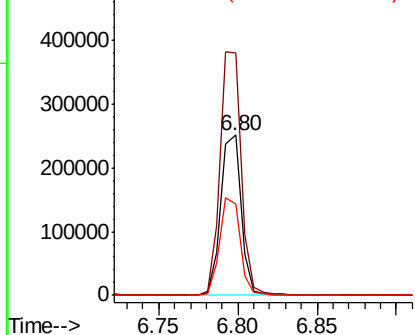
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.7	126.6	189.8
115	57.0	50.7	76.1



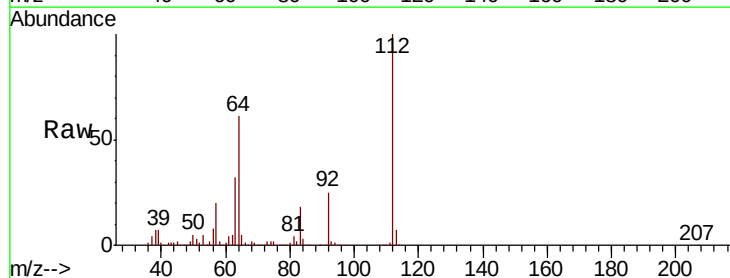
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



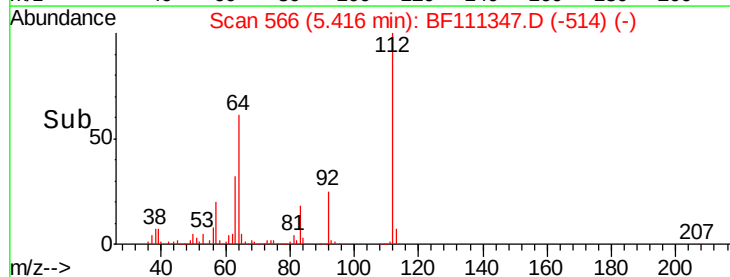
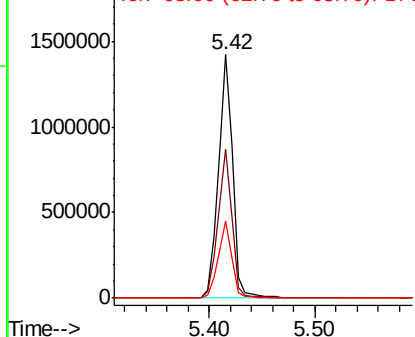
#5

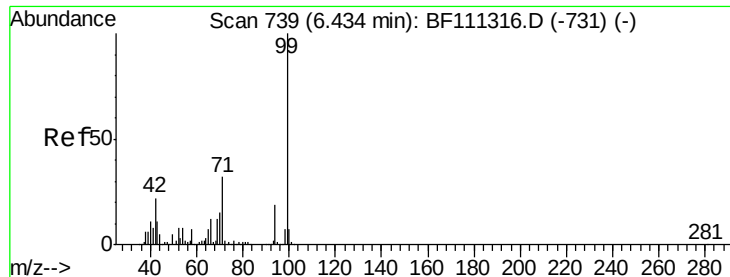
2-Fluorophenol
Concen: 103.040 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.8	77.6
63	31.6	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: 94.769 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

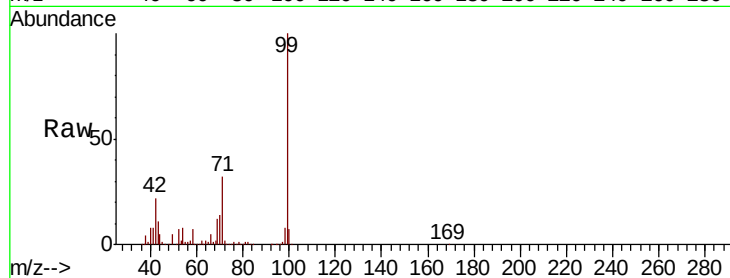
Tgt Ion: 99 Resp: 1710148

Ion Ratio Lower Upper

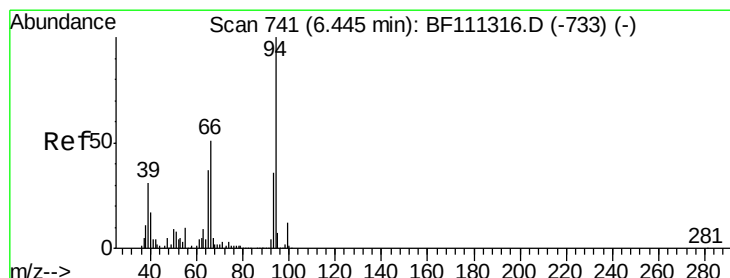
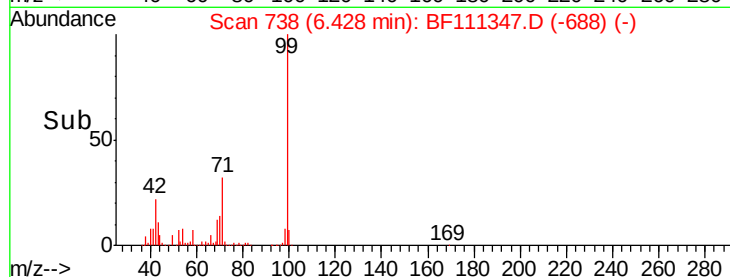
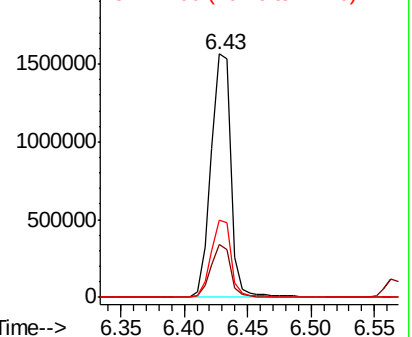
99 100

42 21.6 17.4 26.0

71 31.5 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: 3.908 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

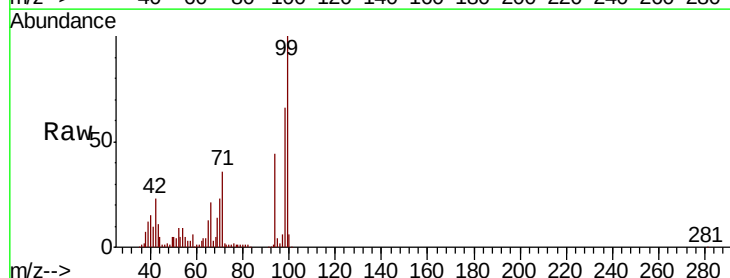
Tgt Ion: 94 Resp: 79876

Ion Ratio Lower Upper

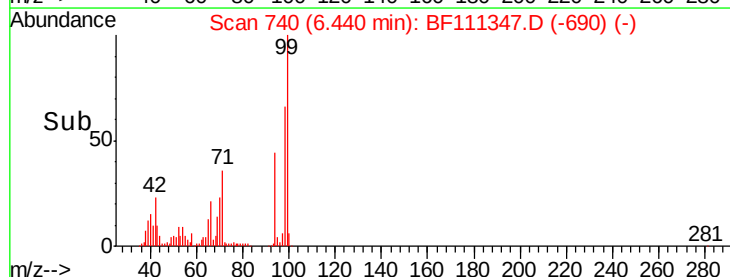
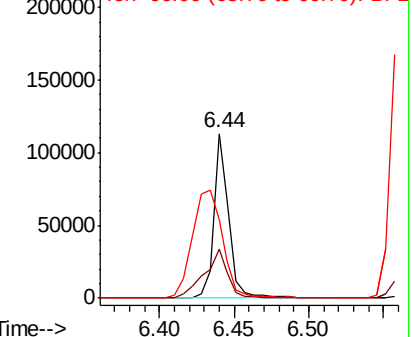
94 100

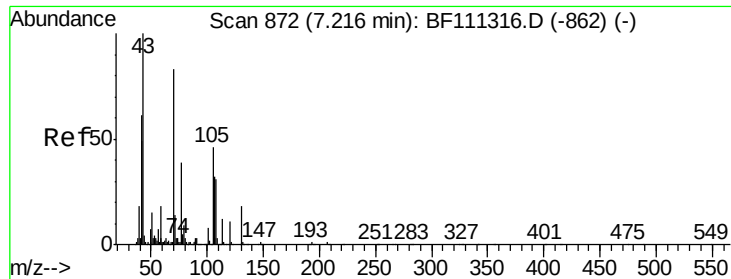
65 30.0 11.7 51.7

66 47.5 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

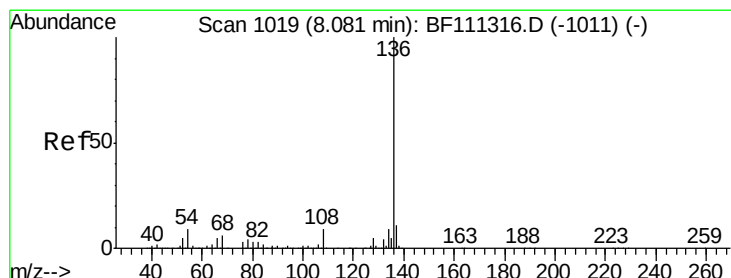
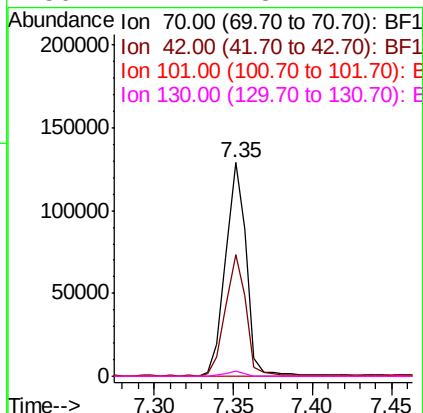
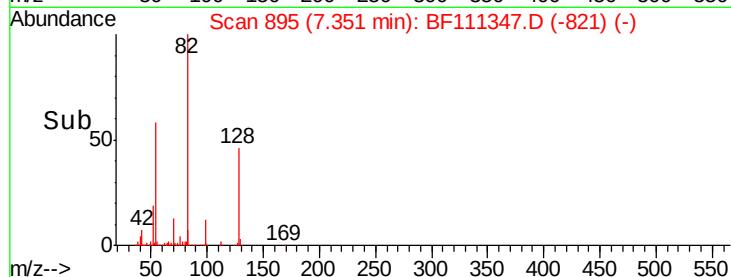
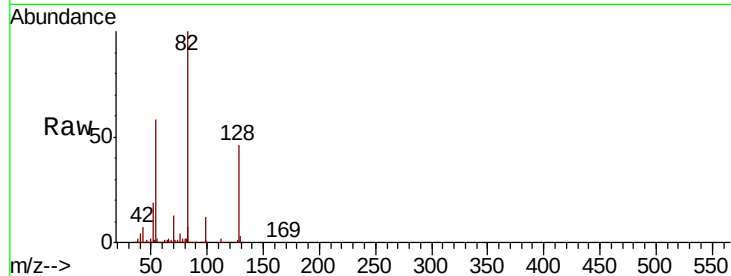




#19
n-Nitroso-di-n-propylamine
Concen: 9.846 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

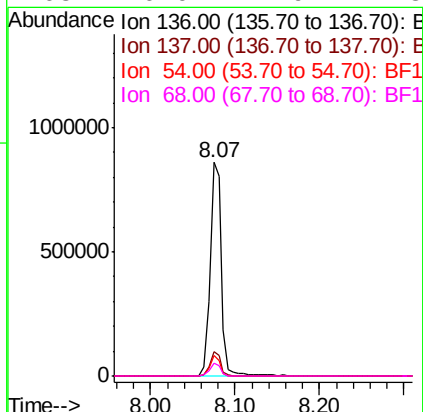
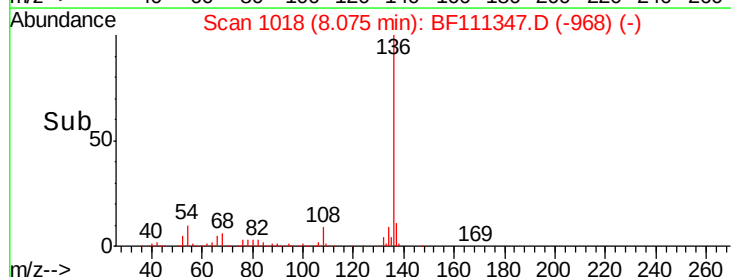
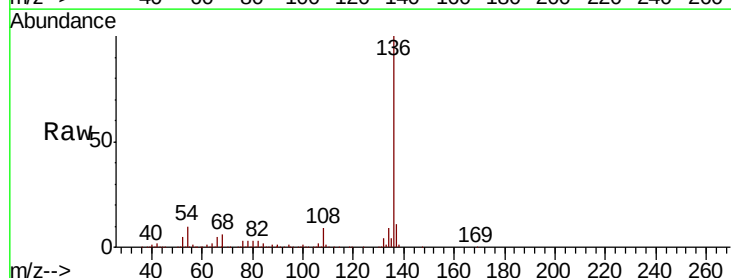
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

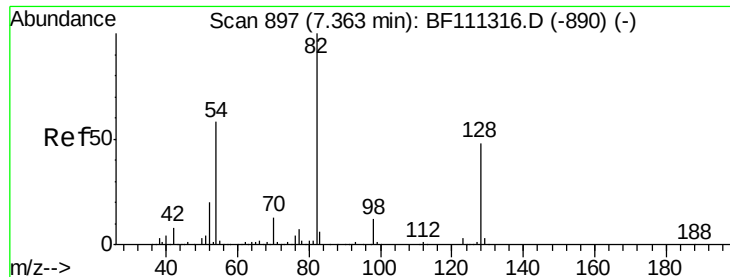
Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.9	53.2	79.8
101	0.0	8.2	12.4#
130	2.2	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.7	7.7	11.5
68	6.0	4.9	7.3

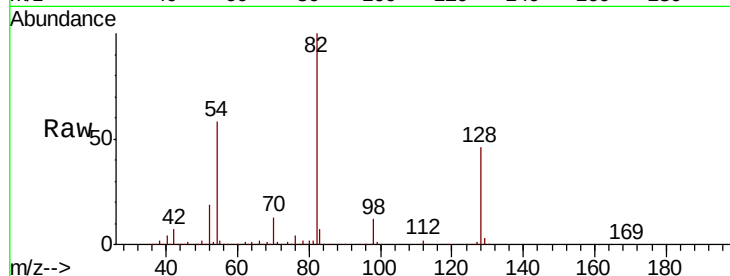




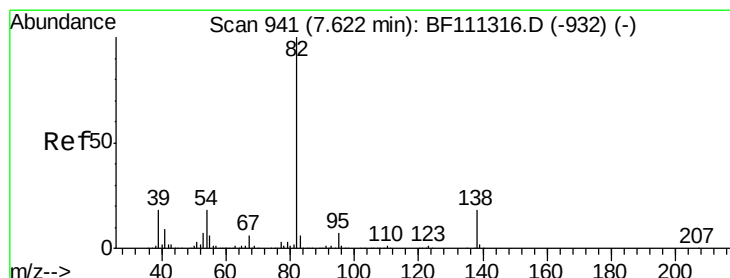
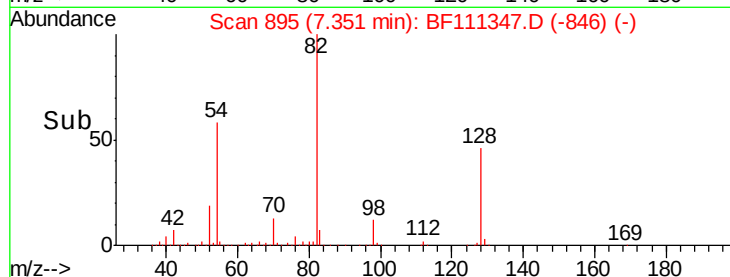
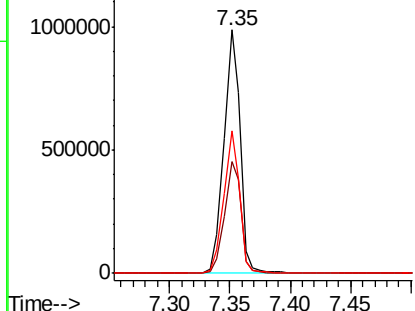
#23
Nitrobenzene-d5
Concen: 64.049 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.4	56.2
54	58.4	47.6	71.4

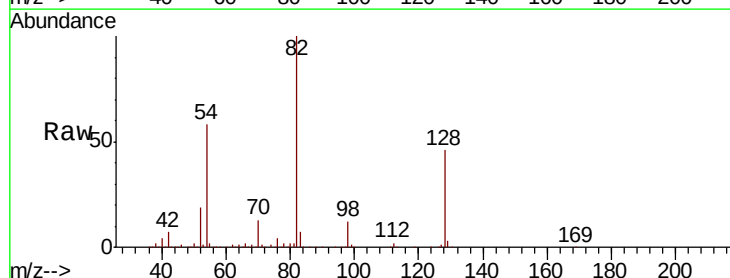


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

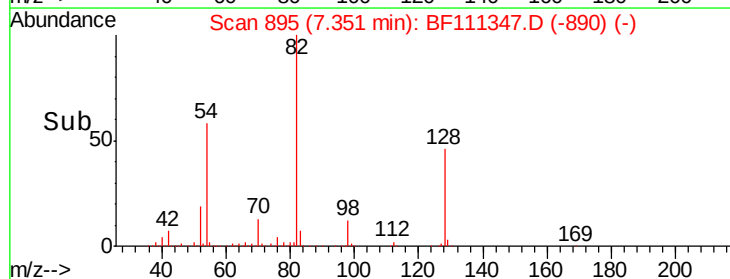
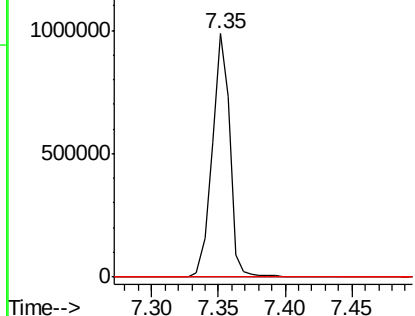


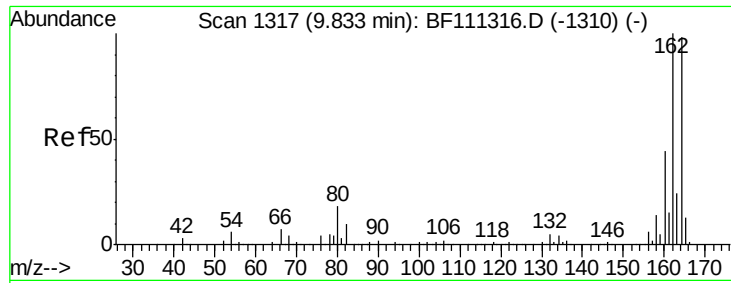
#25
Isophorone
Concen: 37.450 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.27 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt 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

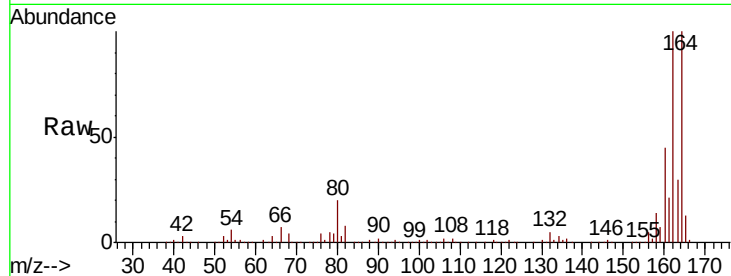




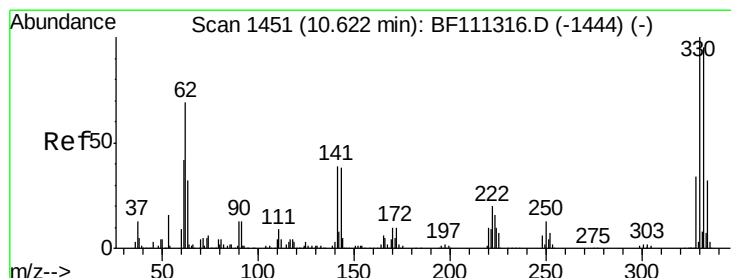
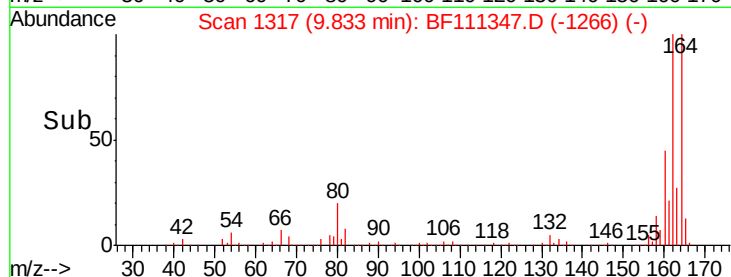
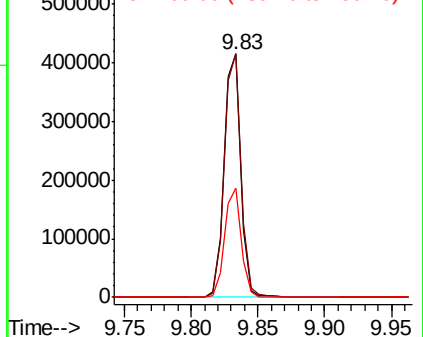
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Tgt Ion:164 Resp: 367398
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 44.6 35.7 53.5

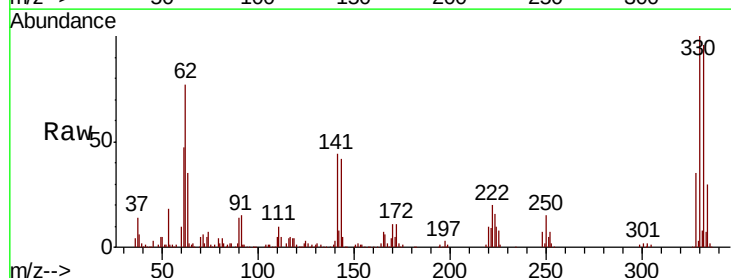


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

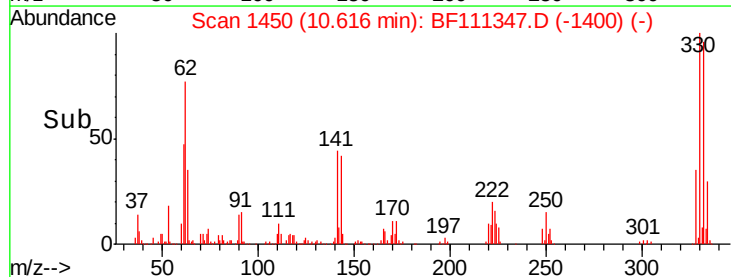
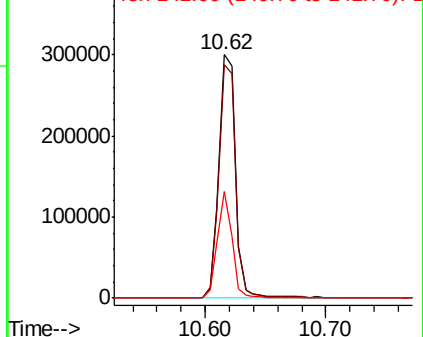


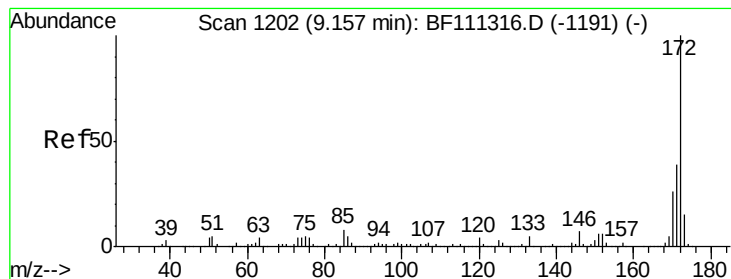
#42
2,4,6-Tribromophenol
Concen: 88.206 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt Ion:330 Resp: 285668
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 38.2 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: 74.344 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

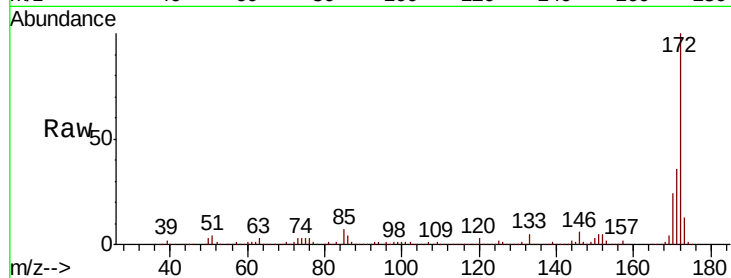
Tgt Ion:172 Resp: 1701278

Ion Ratio Lower Upper

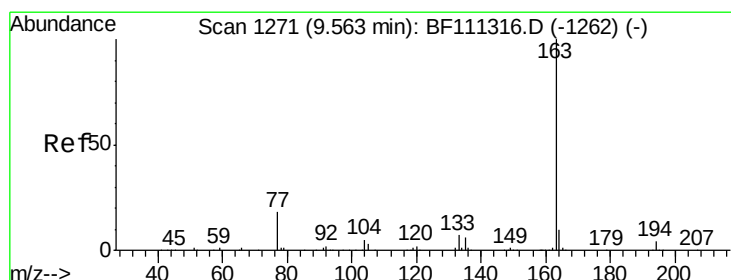
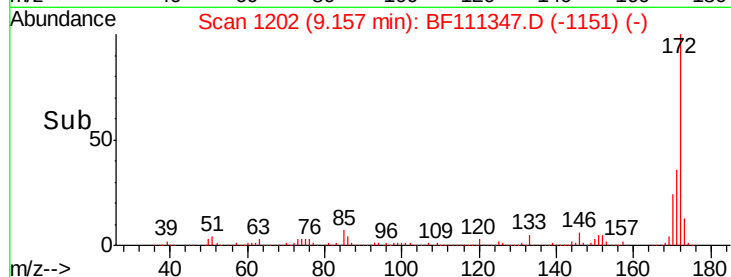
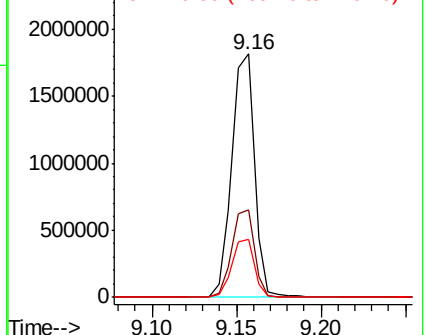
172 100

171 35.9 33.0 49.4

170 23.7 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: 5.922 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

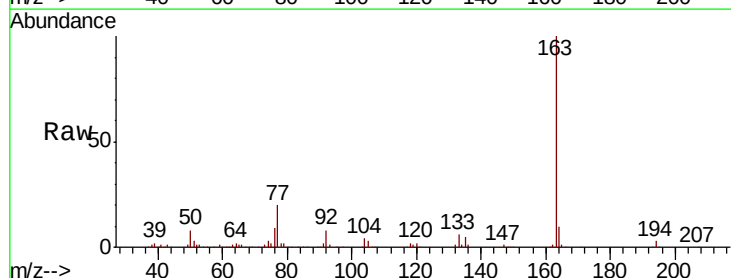
Tgt Ion:163 Resp: 156464

Ion Ratio Lower Upper

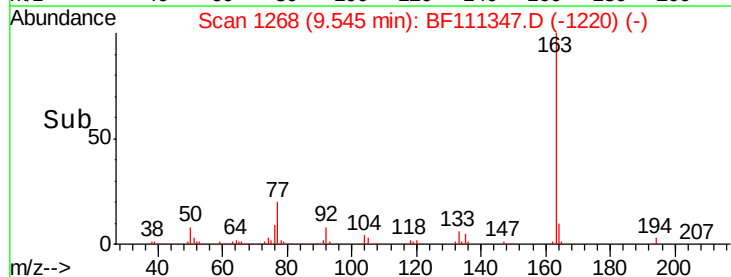
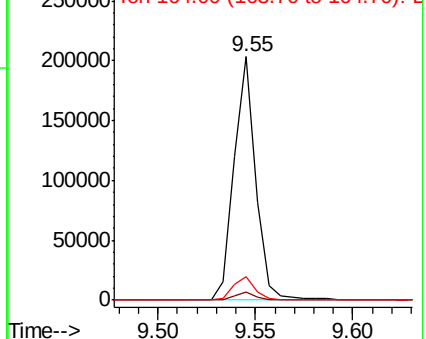
163 100

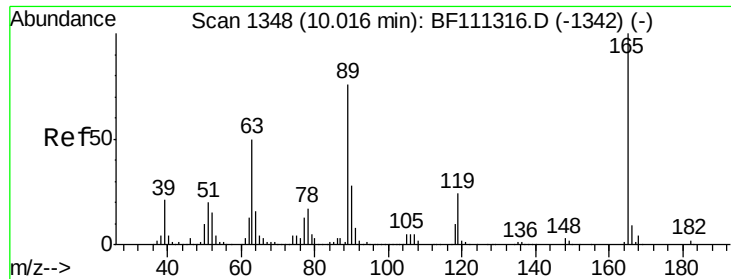
194 3.2 3.0 4.6

164 9.5 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

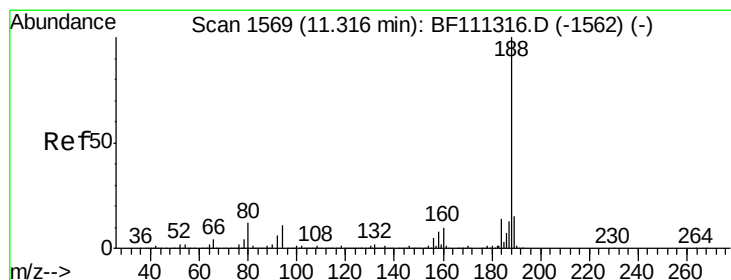
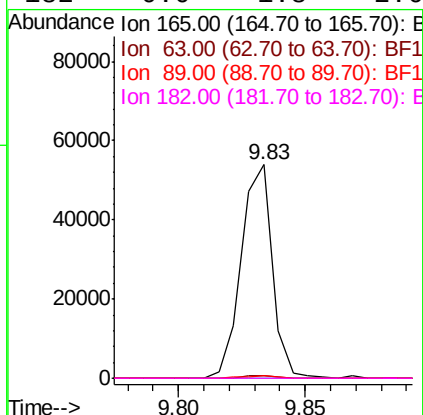
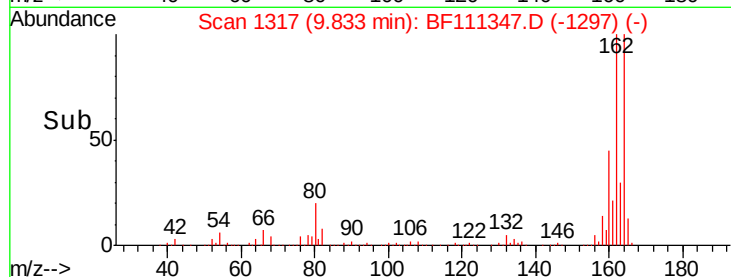
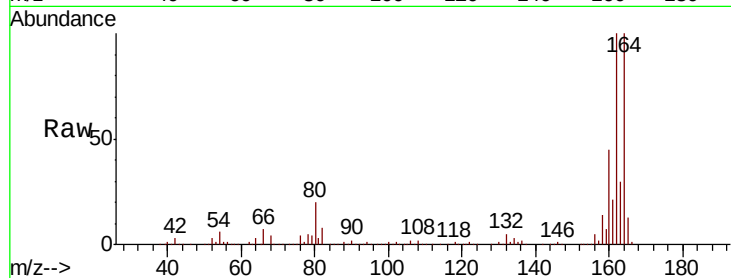




#57
 2,4-Dinitrotoluene
 Concen: 6.129 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.18 min
 Lab File: BF111347.D
 Acq: 13 Dec 2018 3:02

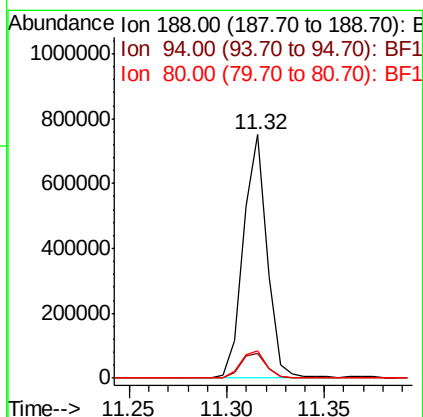
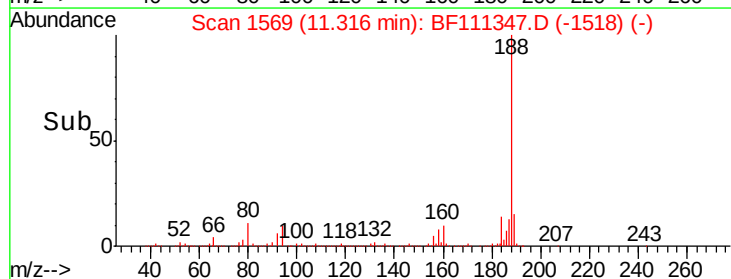
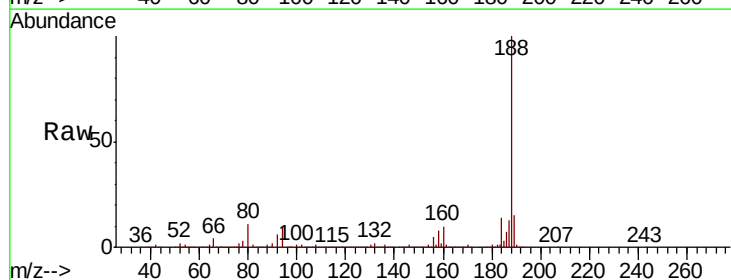
Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

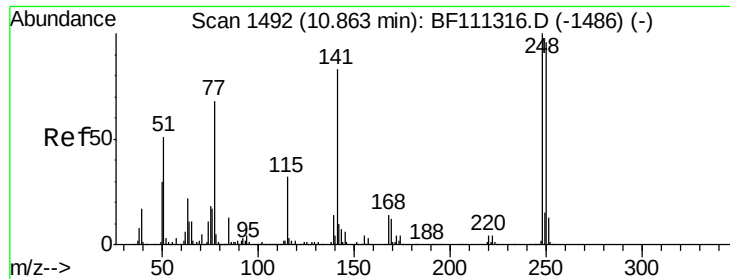
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF111347.D
 Acq: 13 Dec 2018 3:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.6	14.4
80	11.2	9.8	14.6

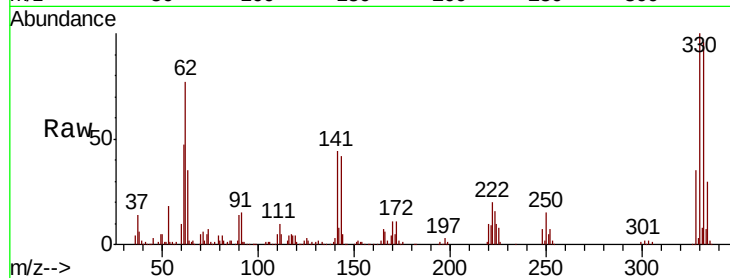




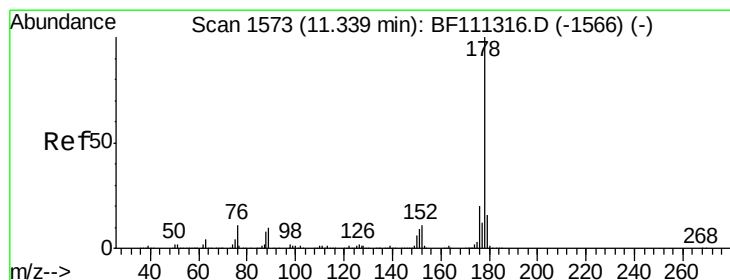
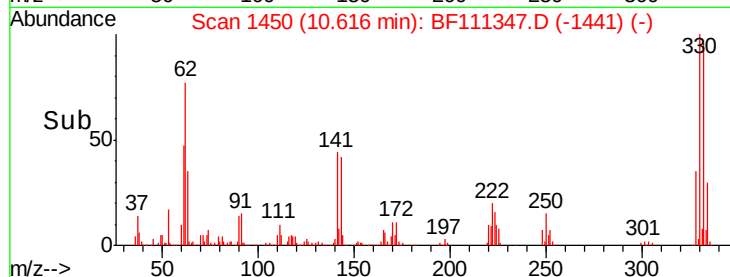
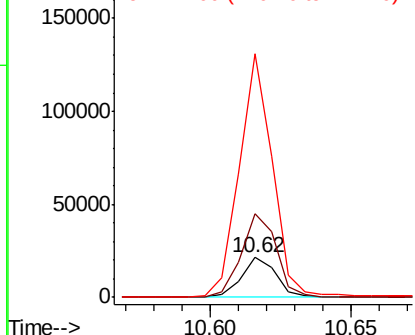
#67
 4-Bromophenyl-phenylether
 Concen: 2.585 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111347.D
 Acq: 13 Dec 2018 3:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

Tgt Ion: 248 Resp: 18167
 Ion Ratio Lower Upper
 248 100
 250 208.5 77.0 115.4#
 141 609.3 63.0 94.6#

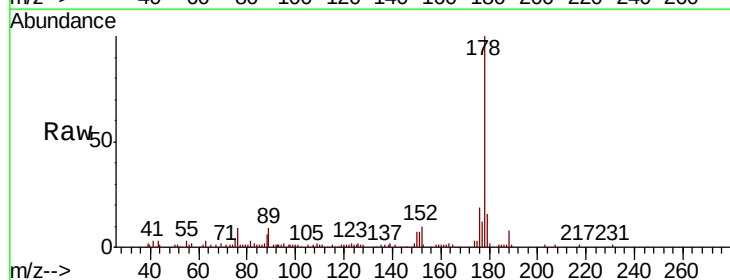


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

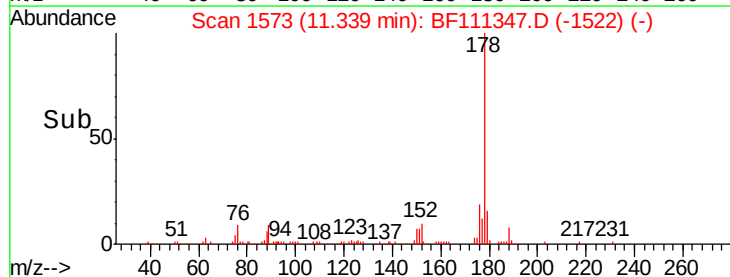
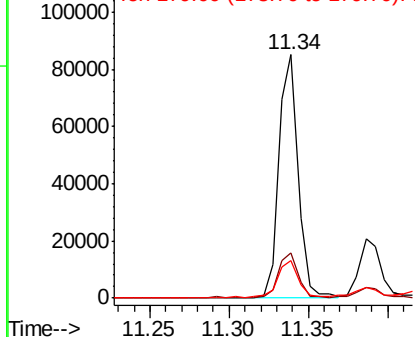


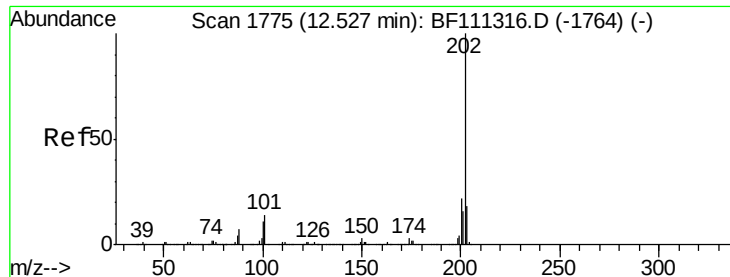
#71
 Phenanthrene
 Concen: 2.217 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF111347.D
 Acq: 13 Dec 2018 3:02

Tgt Ion: 178 Resp: 72342
 Ion Ratio Lower Upper
 178 100
 176 18.7 18.1 27.1
 179 15.5 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: 6.945 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

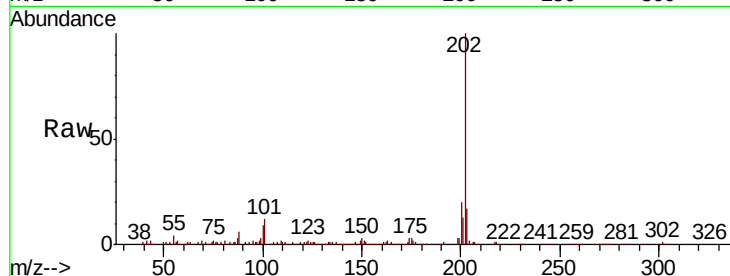
Tgt Ion: 202 Resp: 221229

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.8

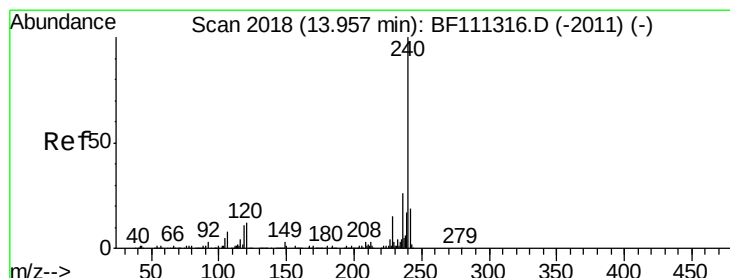
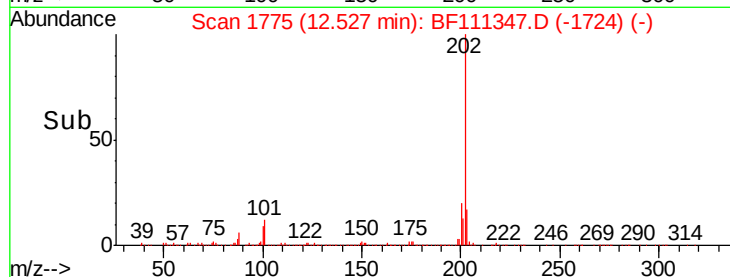
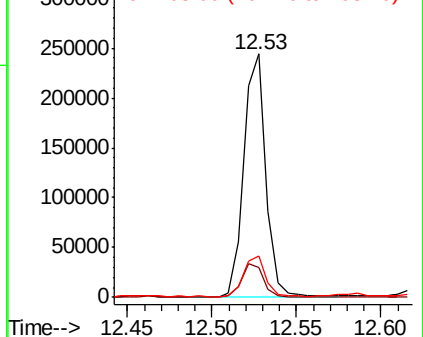
203 17.1 0.0 38.6



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: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

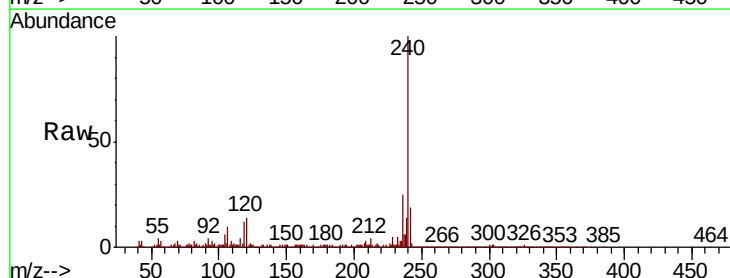
Tgt Ion: 240 Resp: 397810

Ion Ratio Lower Upper

240 100

120 13.6 12.2 18.2

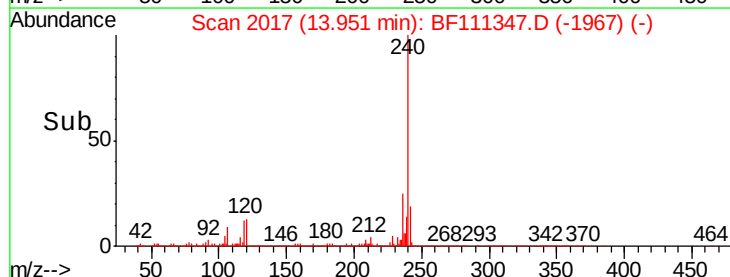
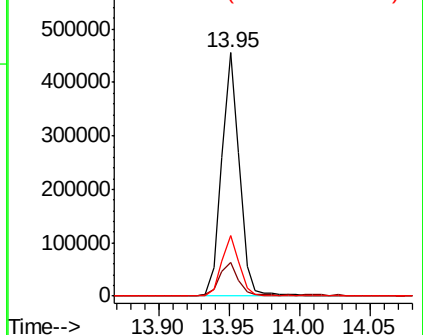
236 25.0 20.2 30.2

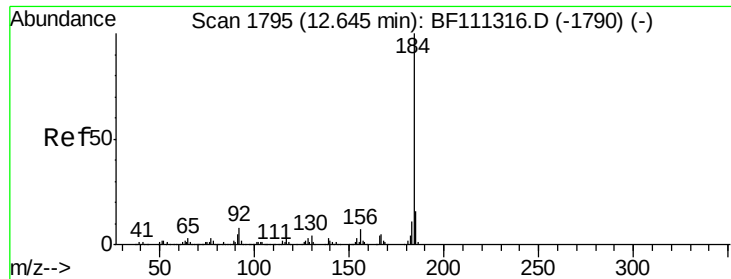


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.185 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.26 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

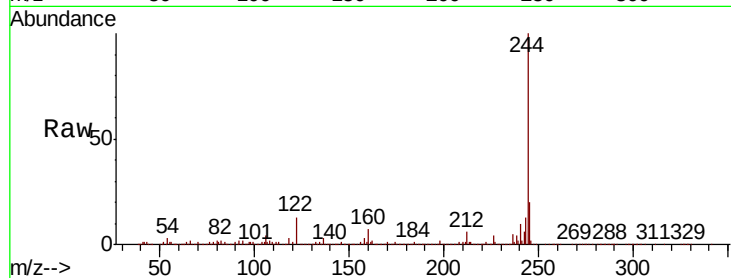
Tgt Ion:184 Resp: 16405

Ion Ratio Lower Upper

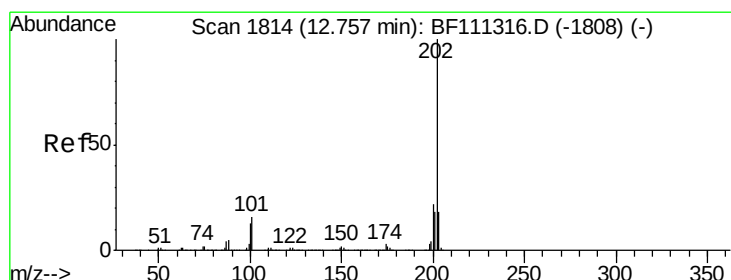
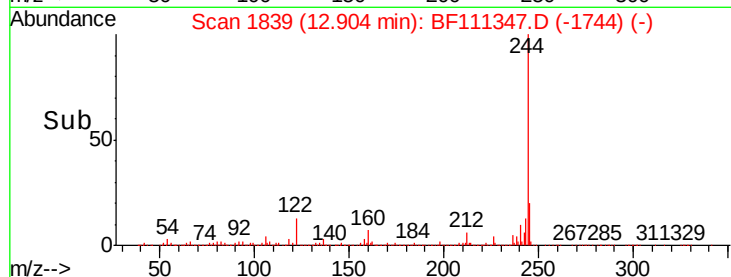
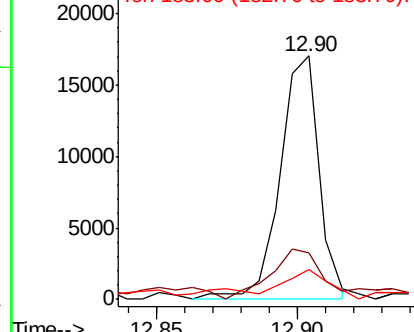
184 100

185 19.0 13.0 19.6

183 12.4 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 6.883 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

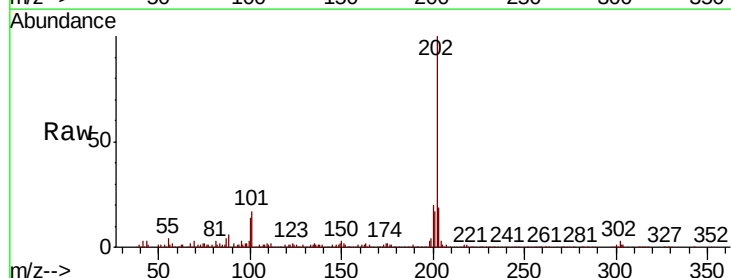
Tgt Ion:202 Resp: 211316

Ion Ratio Lower Upper

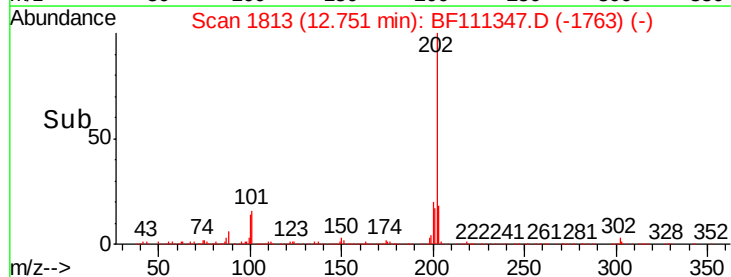
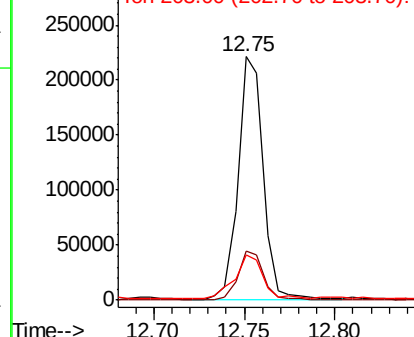
202 100

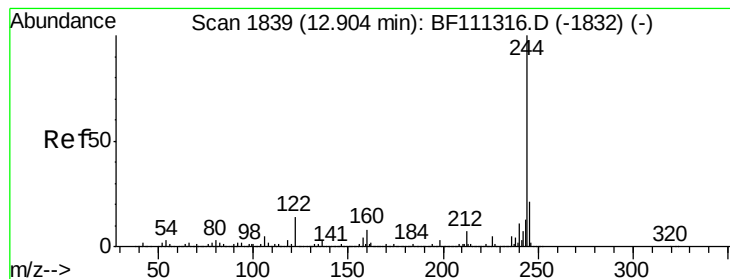
200 20.0 19.0 28.4

203 18.5 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: 76.399 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

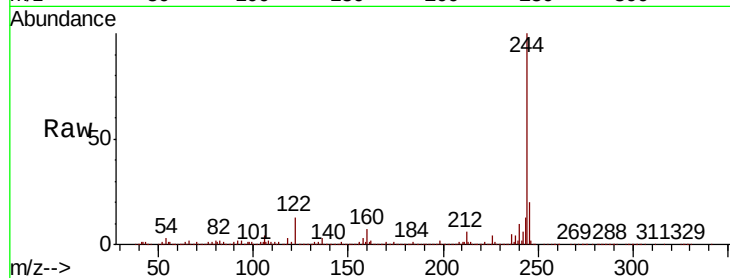
Tgt Ion:244 Resp: 1380873

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

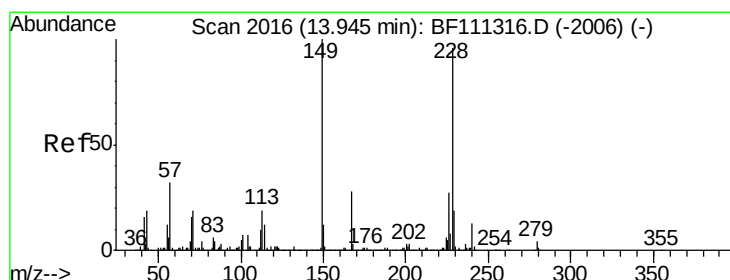
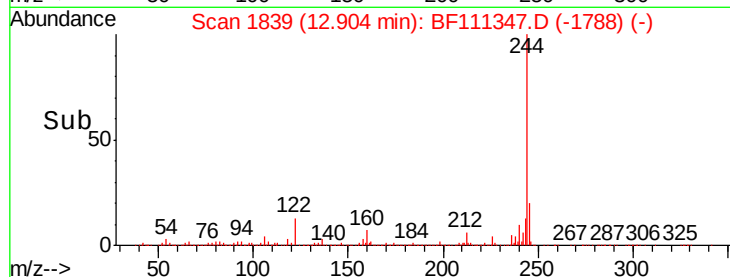
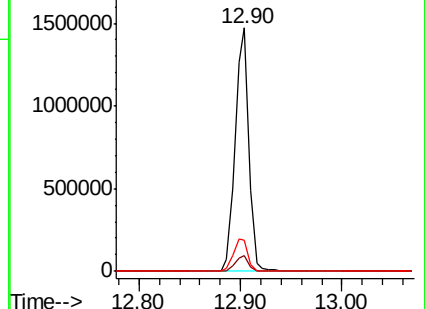
122 13.0 13.1 19.7#



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: 3.648 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

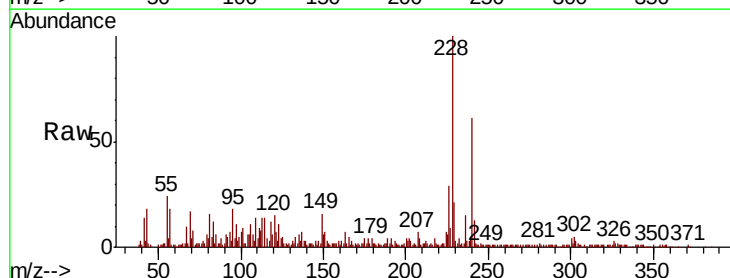
Tgt Ion:228 Resp: 81200

Ion Ratio Lower Upper

228 100

226 29.3 22.6 34.0

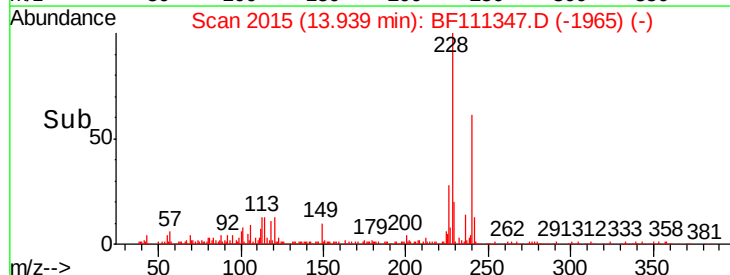
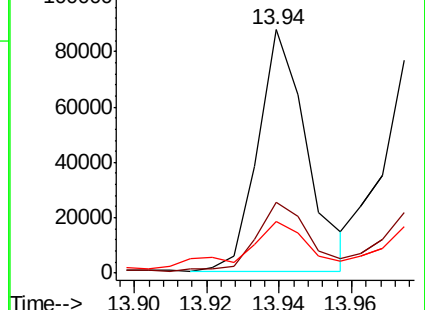
229 21.2 16.3 24.5

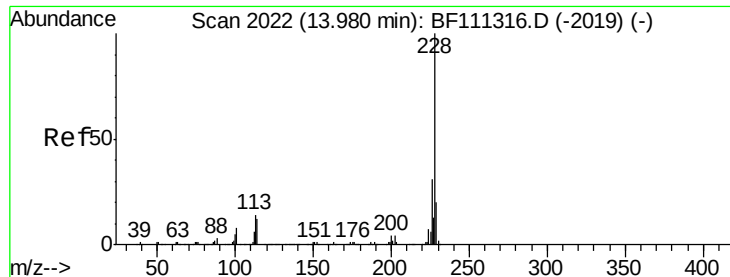


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

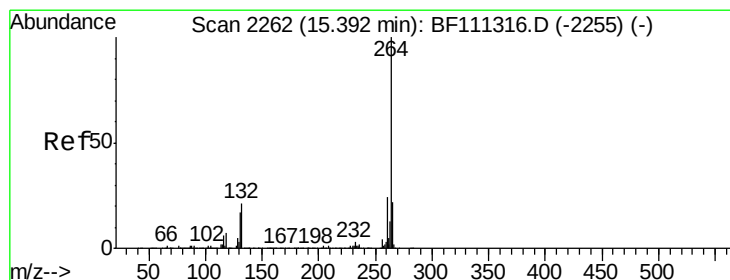
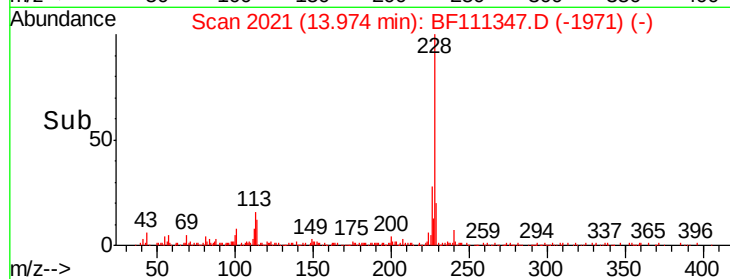
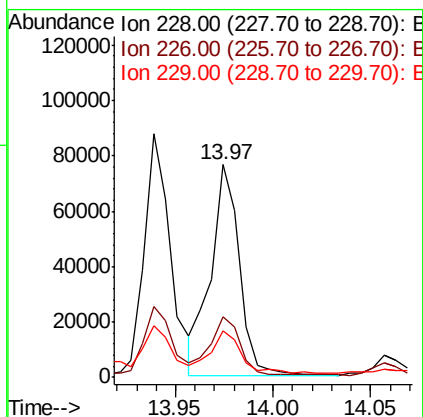
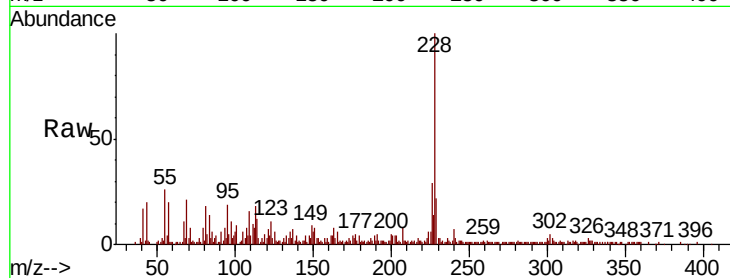




#83
Chrysene
Concen: 3.419 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

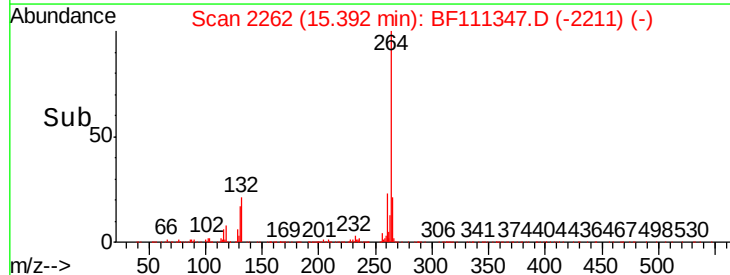
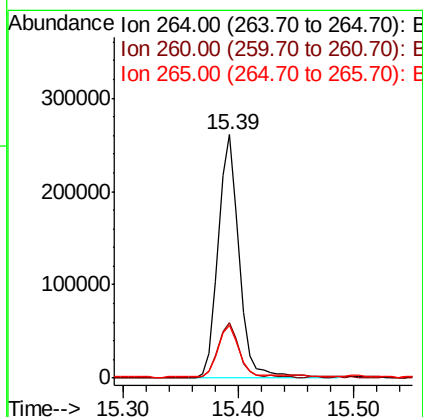
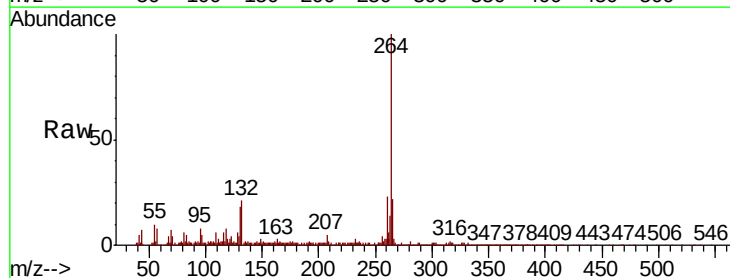
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

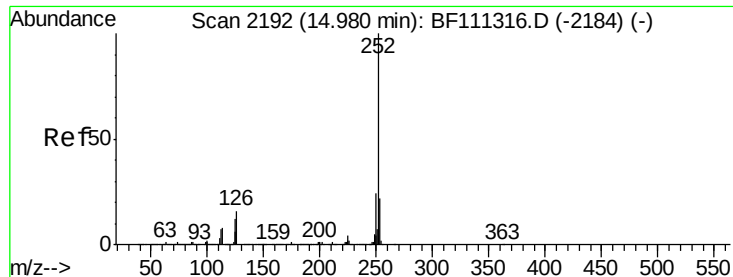
Tgt Ion: 228 Resp: 77636
Ion Ratio Lower Upper
228 100
226 28.8 25.3 37.9
229 22.0 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt Ion: 264 Resp: 326792
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.6 17.7 26.5

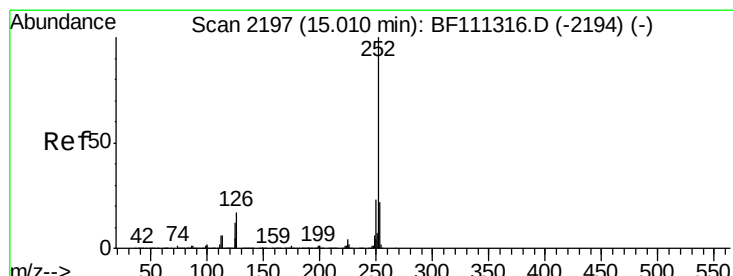
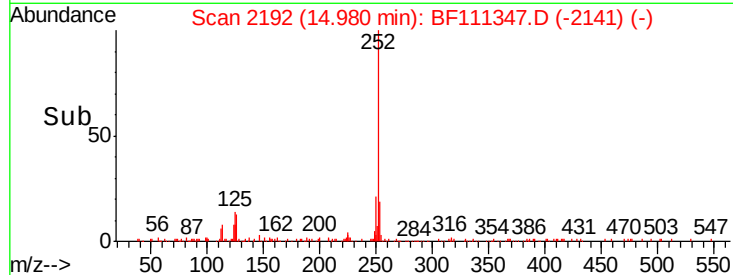
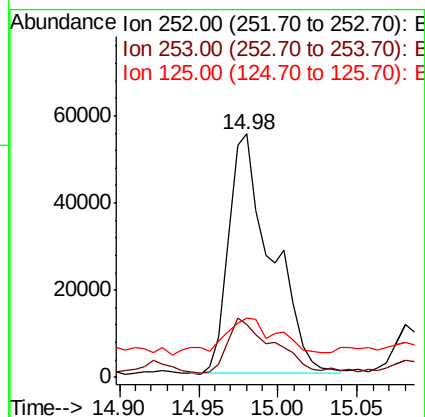
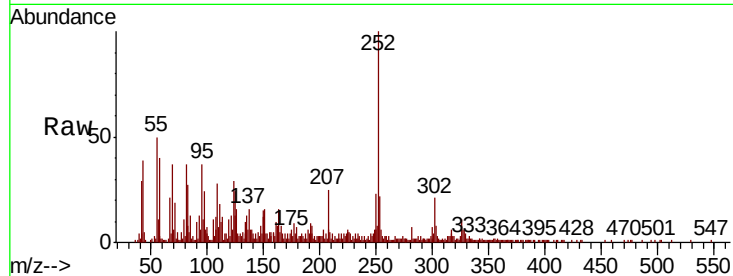




#88
Benzo(b)fluoranthene
Concen: 5.521 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

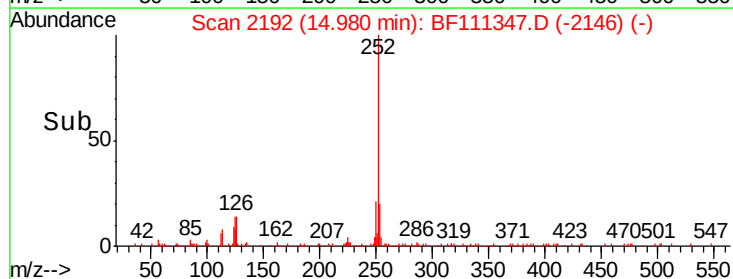
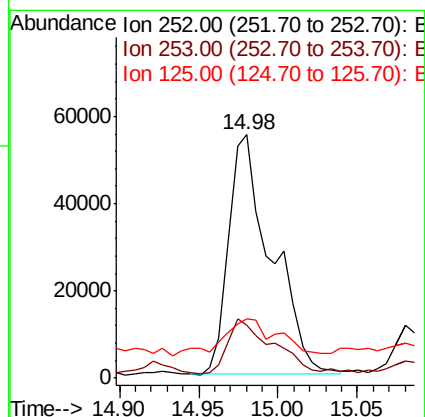
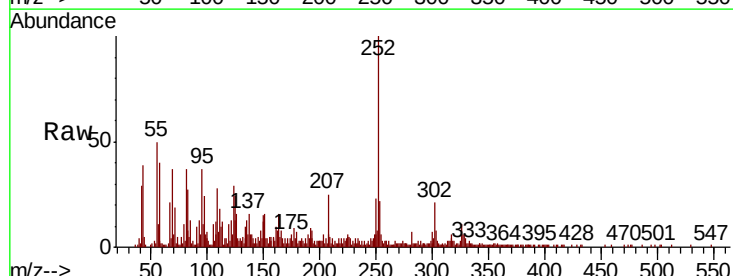
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

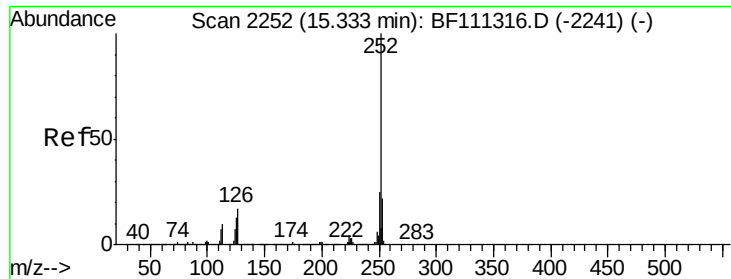
Tgt Ion:252 Resp: 102601
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 24.4 10.4 15.6#



#89
Benzo(k)fluoranthene
Concen: 5.531 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF111347.D
Acq: 13 Dec 2018 3:02

Tgt Ion:252 Resp: 102601
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 24.4 9.8 14.8#





#90

Benzo(a)pyrene

Concen: 3.302 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

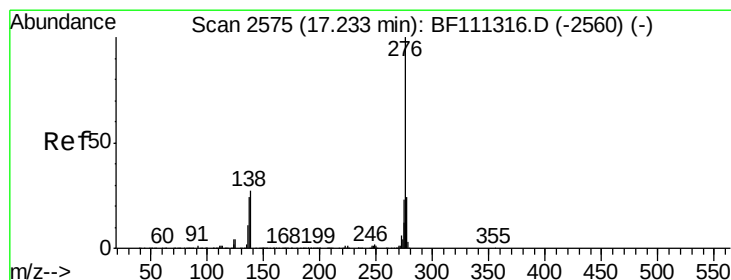
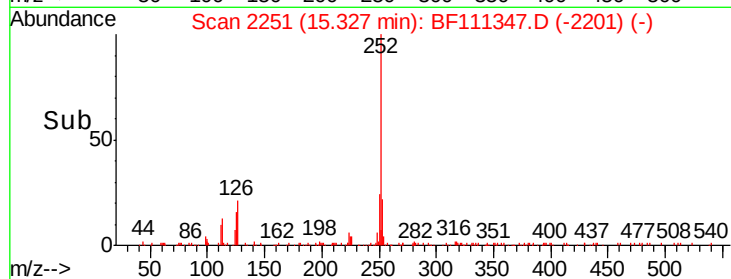
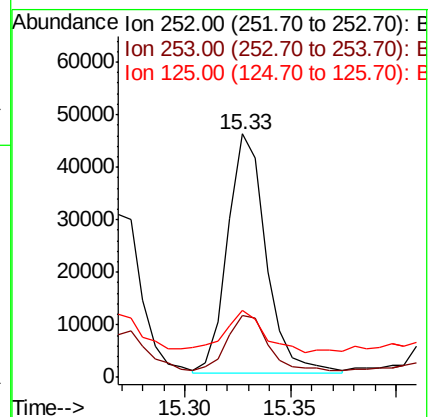
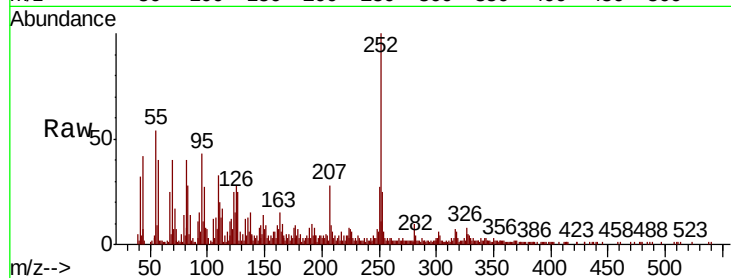
Tgt Ion:252 Resp: 57126

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

125 27.5 12.3 18.5#



#92

Benzo(g,h,i)perylene

Concen: 2.253 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF111347.D

Acq: 13 Dec 2018 3:02

Tgt Ion:276 Resp: 32424

Ion Ratio Lower Upper

276 100

277 30.7 19.2 28.8#

138 39.8 24.9 37.3#

