

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111277.D
 Acq On : 11 Dec 2018 14:31
 Operator : JU/SJ
 Sample : J6196-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 17:03:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	418202	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1558397	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	607926	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	902067	20.00	ng	0.00
76) Chrysene-d12	13.96	240	631972	20.00	ng	0.00
87) Perylene-d12	15.40	264	473109	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1355820	51.19	ng	0.00
7) Phenol-d6	6.43	99	1719587	52.25	ng	0.00
23) Nitrobenzene-d5	7.35	82	1007814	36.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	232129	43.11	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1499122	34.95	ng	0.00
79) Terphenyl-d14	12.90	244	1057925	40.15	ng	0.00

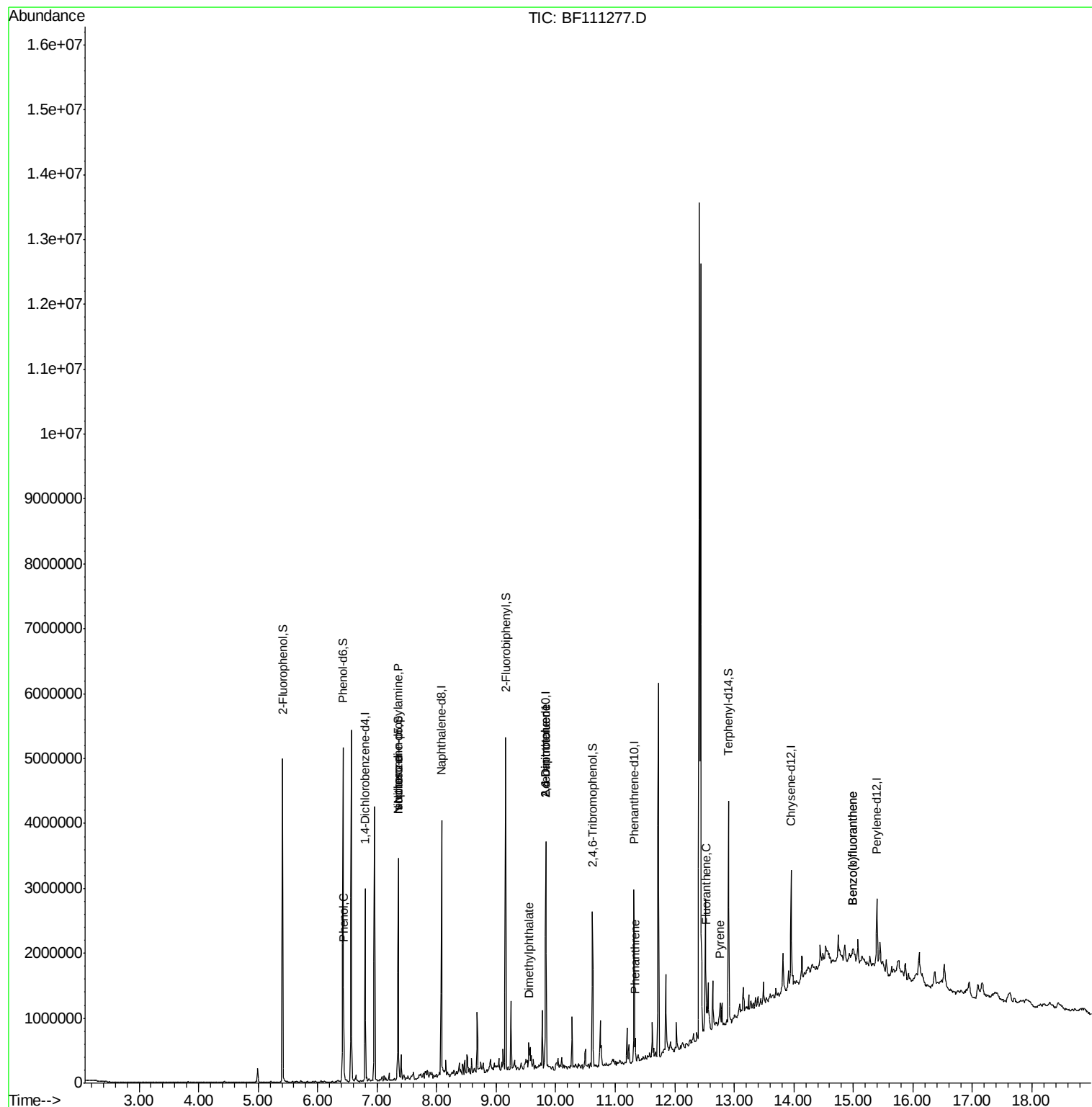
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	1054	Below Cal		# 1
10) Phenol	6.44	94	99461	2.584	ng	# 88
19) n-Nitroso-di-n-propylamine	7.35	70	133284	6.045	ng	# 78
25) Isophorone	7.35	82	989425	20.908	ng	# 64
46) 1,1'-Biphenyl	9.25	154	8506	Below Cal		# 89
50) Dimethylphthalate	9.55	163	114866	2.561	ng	# 98
51) 2,6-Dinitrotoluene	9.83	165	81281	8.205	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	81281	6.656	ng	# 25
71) Phenanthrene	11.34	178	107464	2.362	ng	# 95
75) Fluoranthene	12.53	202	140055	3.370	ng	# 98
78) Pyrene	12.76	202	152794	3.383	ng	# 95
88) Benzo(b)fluoranthene	14.98	252	60952	2.330	ng	# 28
89) Benzo(k)fluoranthene	14.98	252	60952	2.478	ng	# 27

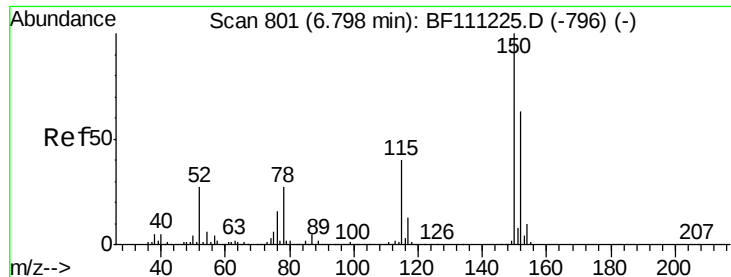
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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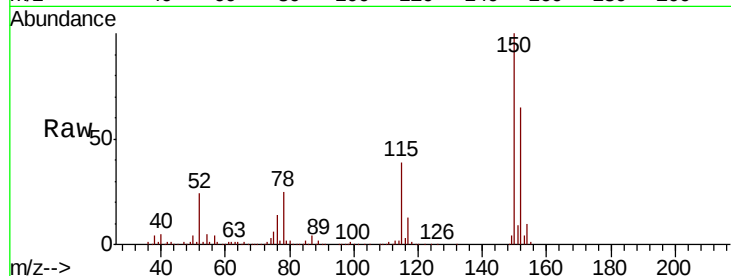


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	60.2	50.7	76.1

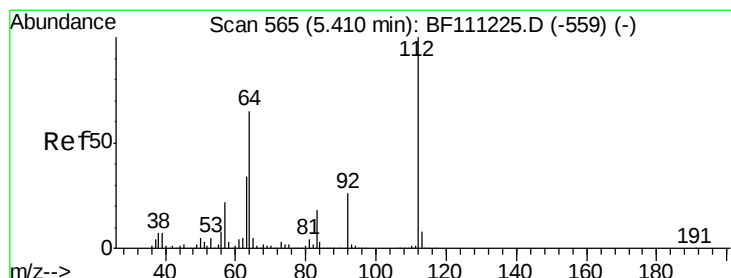
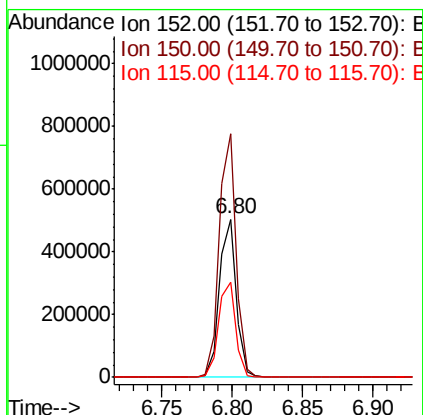
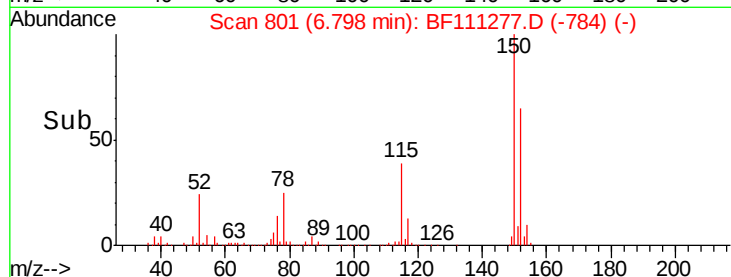


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

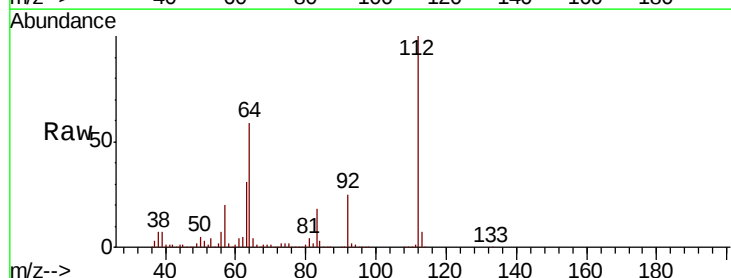
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.194 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	51.8	77.6
63	30.8	26.8	40.2

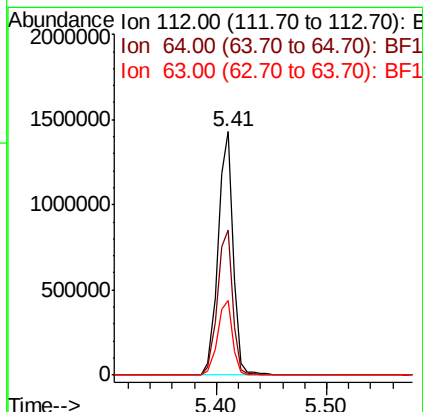
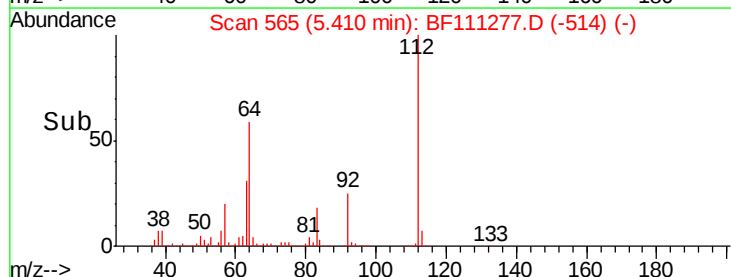


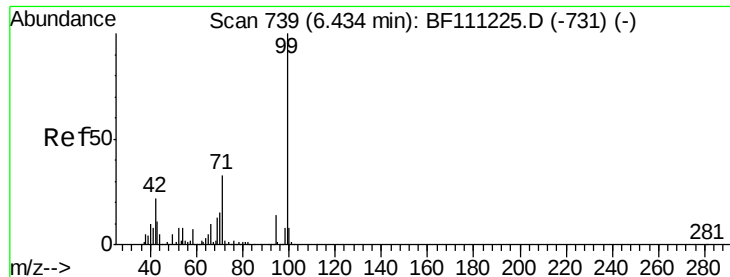
Abundance

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: 52.246 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

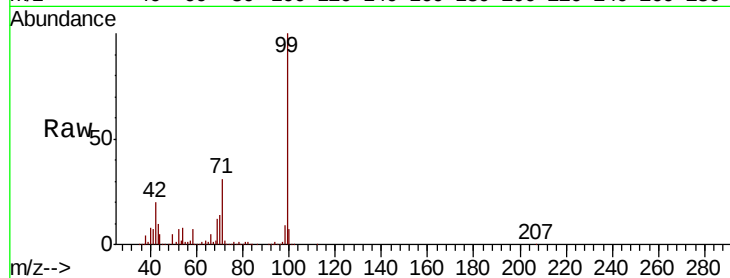
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1719587

Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.4	26.0
71	31.2	26.1	39.1

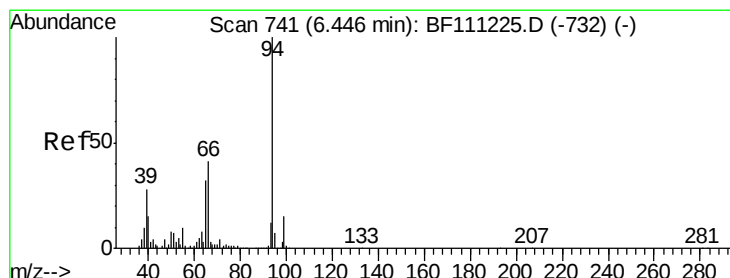
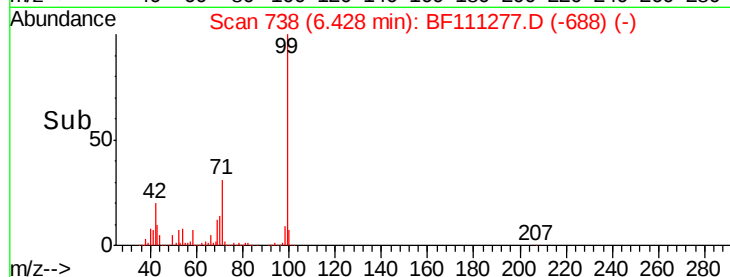
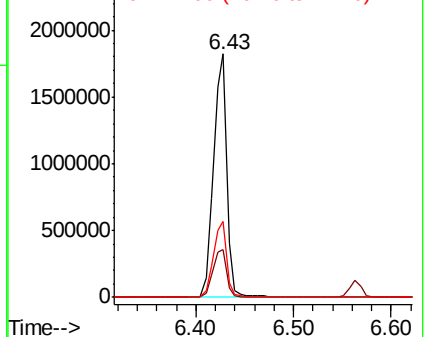


Abundance

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: 2.584 ng

RT: 6.44 min Scan# 740

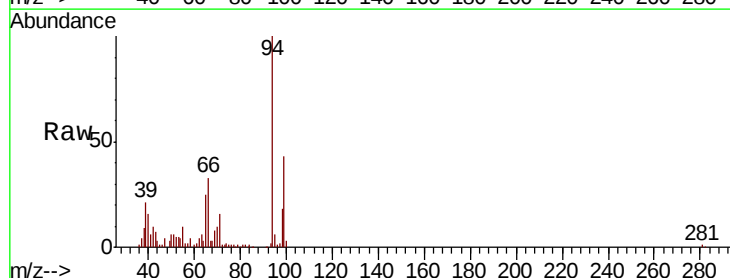
Delta R.T. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Tgt Ion: 94 Resp: 99461

Ion	Ratio	Lower	Upper
94	100		
65	24.7	11.7	51.7
66	33.3	21.0	61.0

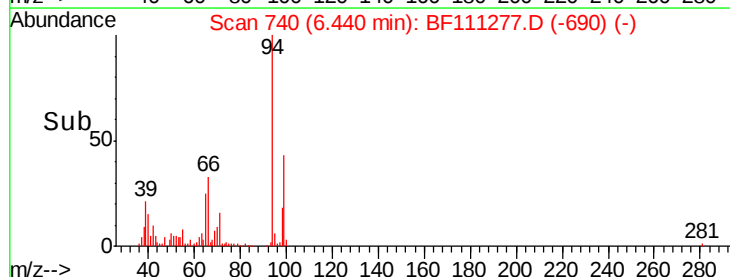
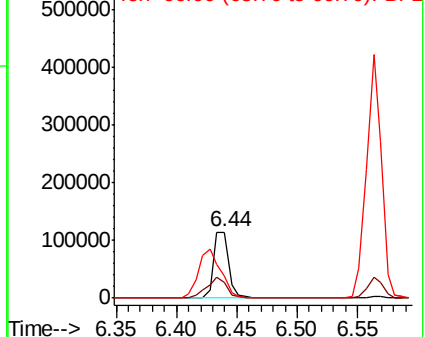


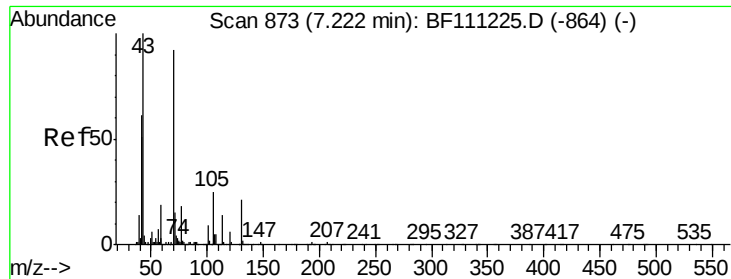
Abundance

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

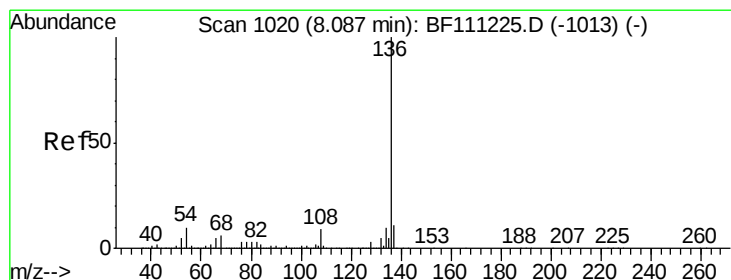
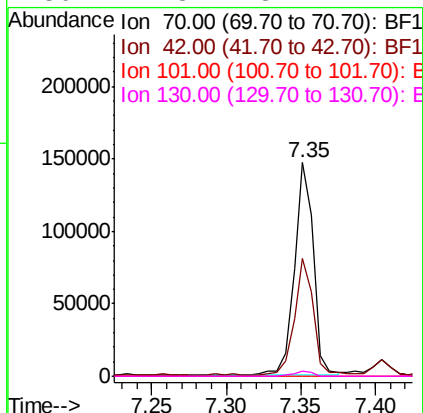
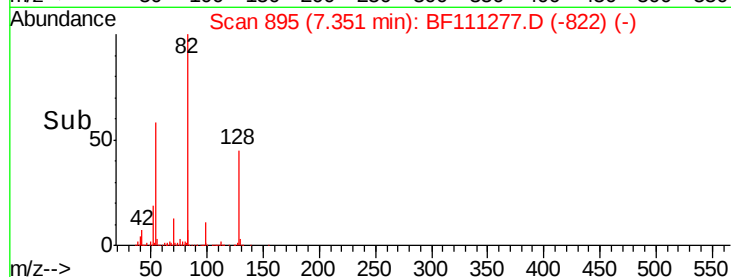
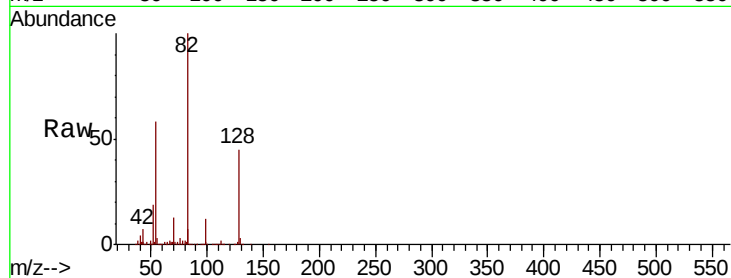




#19
n-Nitroso-di-n-propylamine
Concen: 6.045 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.13 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

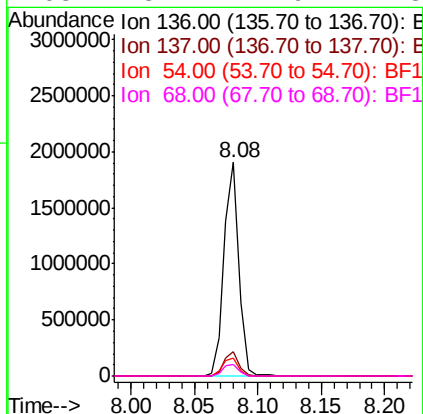
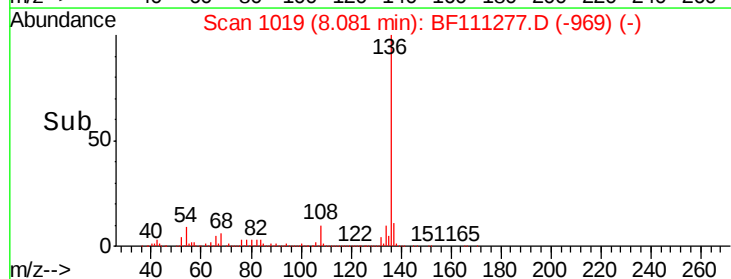
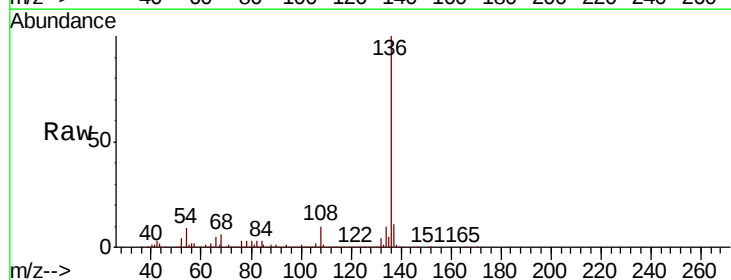
Instrument :
BNA_F
ClientSampleId :

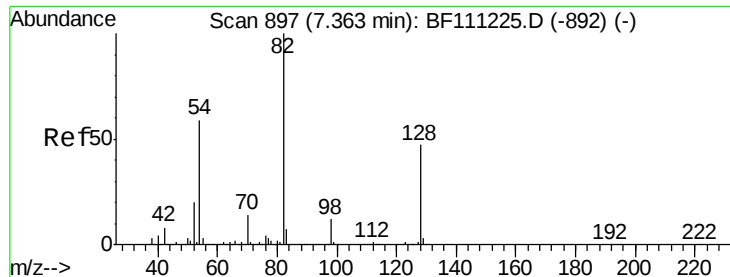
Tot Ion: 70 Resp: 133284
Ion Ratio Lower Upper
70 100
42 55.2 53.2 79.8
101 0.0 8.2 12.4#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Tgt Ion:136 Resp: 1558397
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.7 7.7 11.5
68 5.7 4.9 7.3

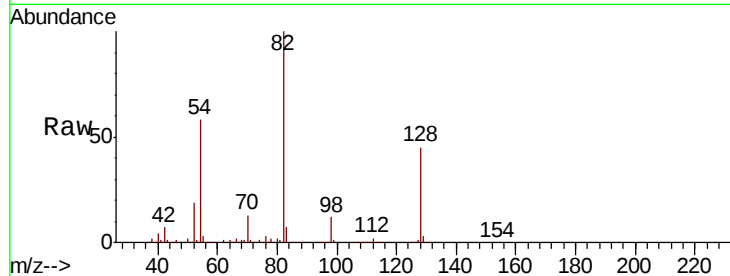




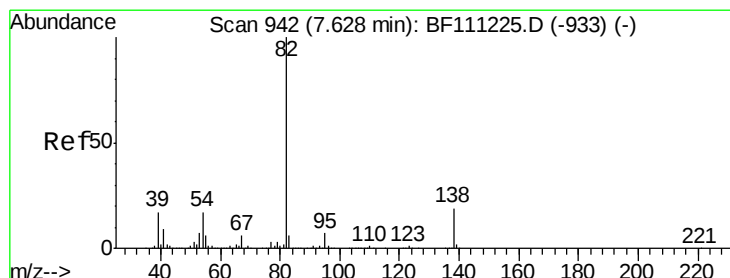
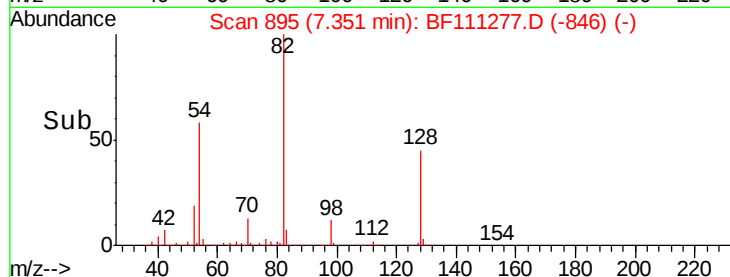
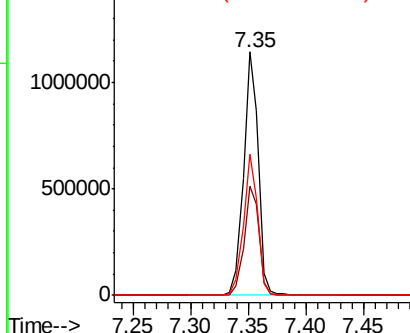
#23
Nitrobenzene-d5
Concen: 36.272 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1007814
Ion Ratio Lower Upper
82 100
128 44.9 37.4 56.2
54 57.9 47.6 71.4

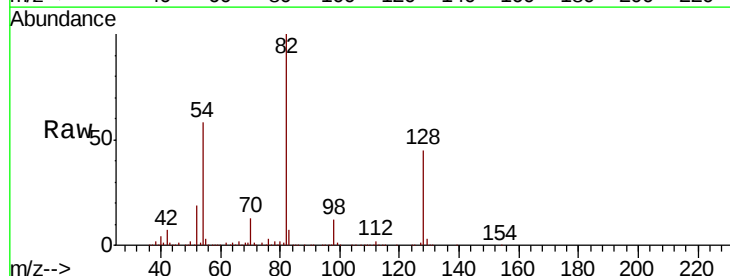


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

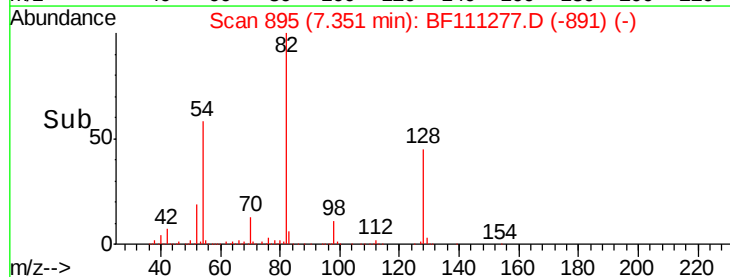
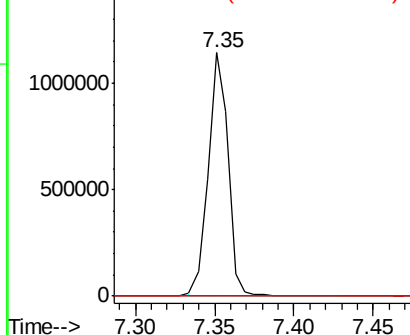


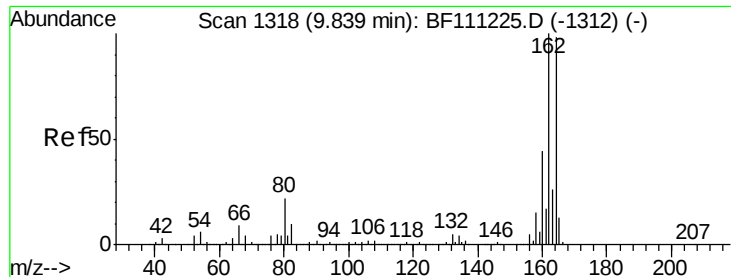
#25
Isophorone
Concen: 20.908 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.28 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Tgt Ion: 82 Resp: 989425
Ion Ratio Lower Upper
82 100
95 0.2 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. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampled :

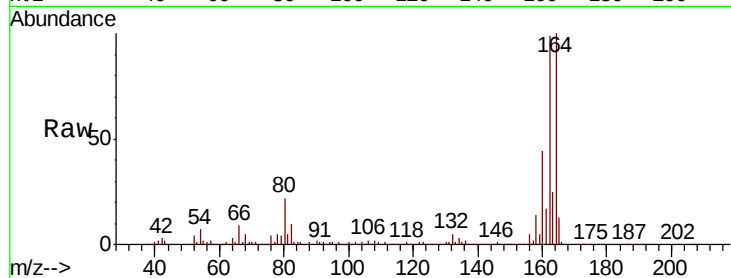
Tot Ion:164 Resp: 607926

Ion Ratio Lower Upper

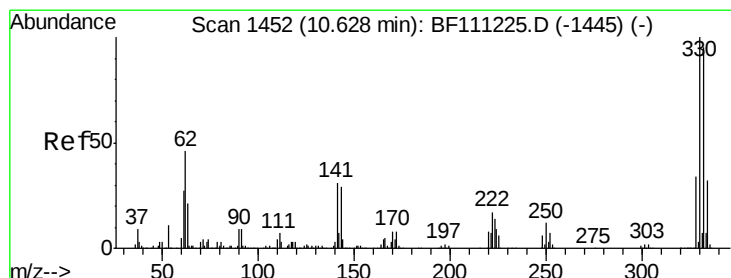
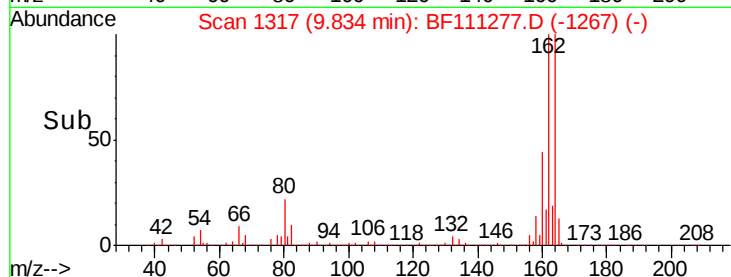
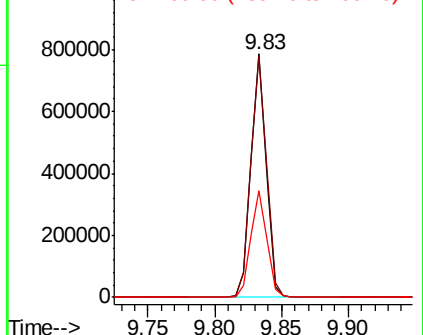
164 100

162 99.2 81.4 122.0

160 43.7 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: 43.106 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

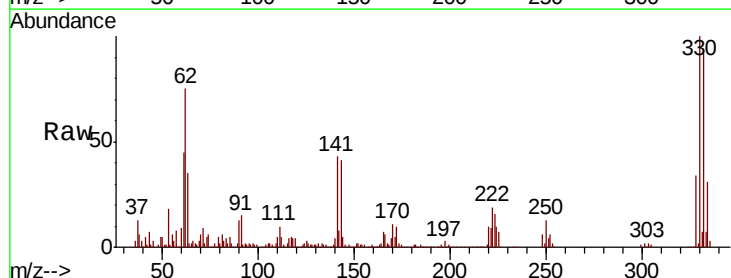
Tgt Ion:330 Resp: 232129

Ion Ratio Lower Upper

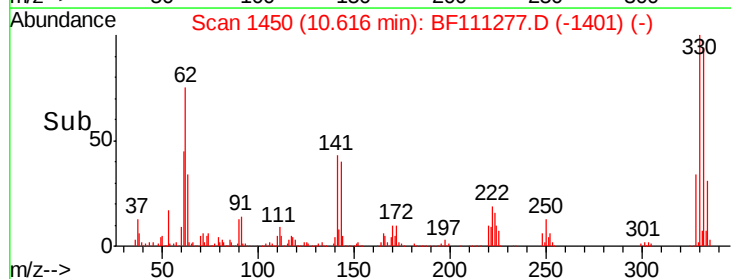
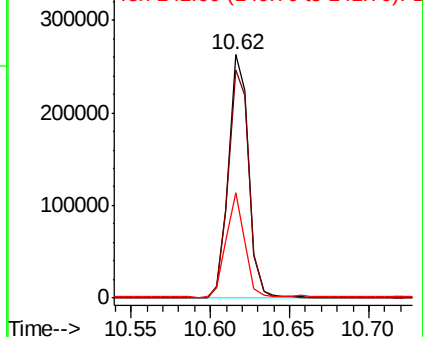
330 100

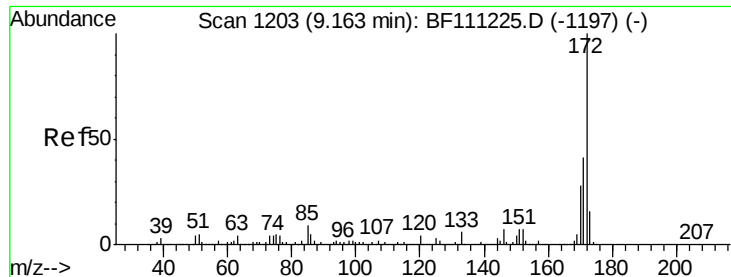
332 96.2 76.0 114.0

141 39.2 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

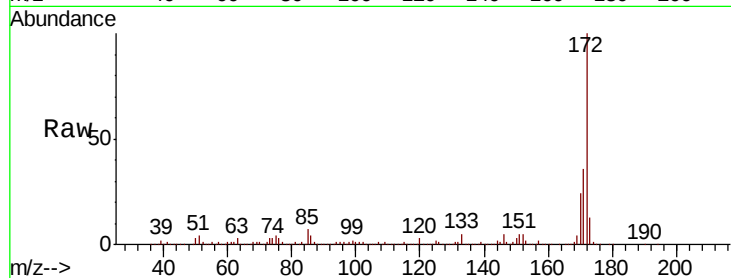




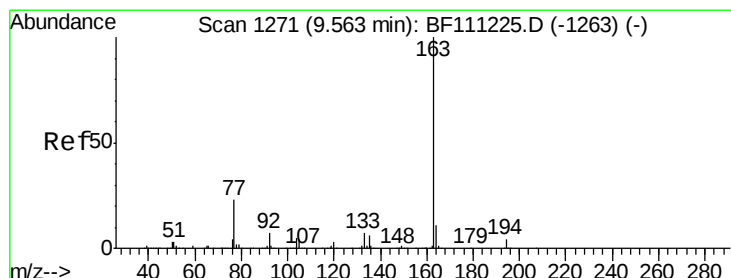
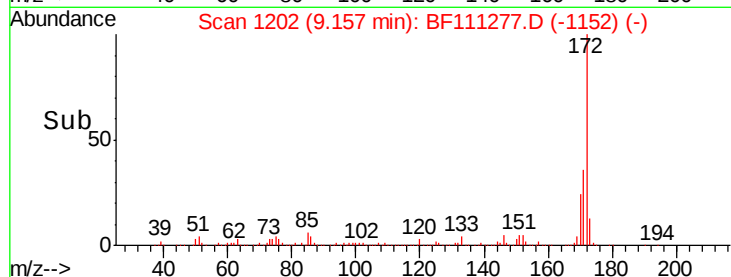
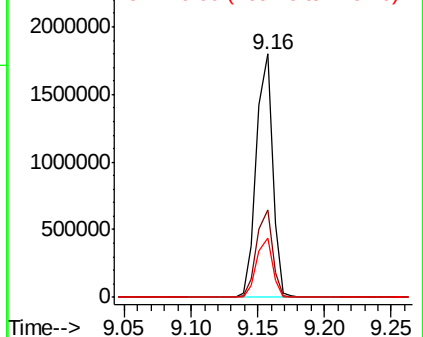
#45
2-Fluorobiphenyl
Concen: 34.952 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1499122
Ion Ratio Lower Upper
172 100
171 35.9 33.0 49.4
170 24.5 22.3 33.5

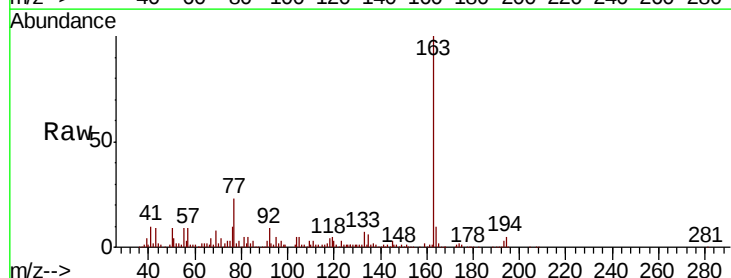


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

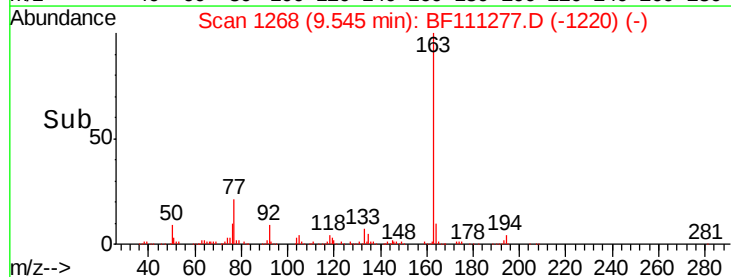
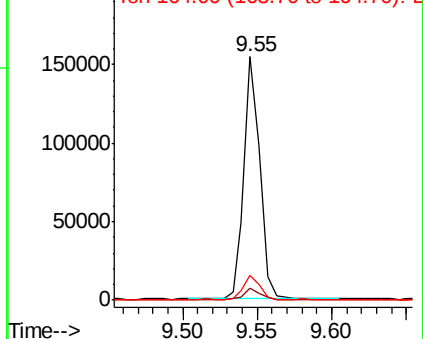


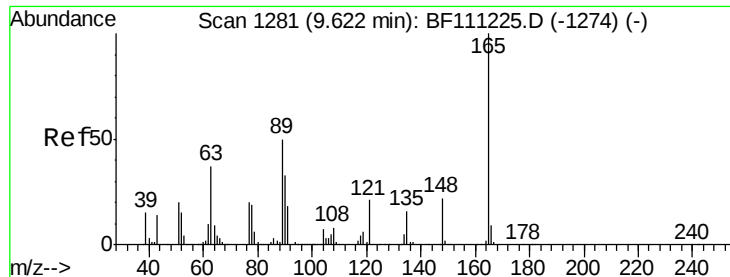
#50
Dimethylphthalate
Concen: 2.561 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Tgt Ion:163 Resp: 114866
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.6#
164 10.4 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





#51

2,6-Dinitrotoluene

Concen: 8.205 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampled :

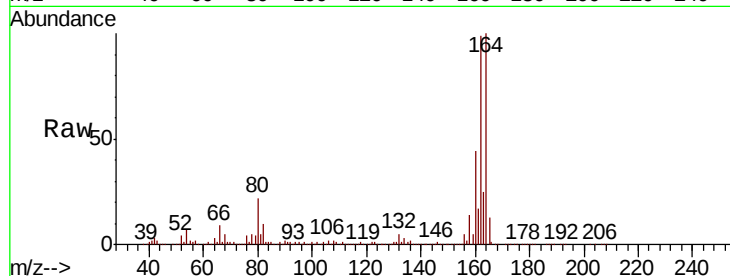
Tot Ion:165 Resp: 81281

Ion Ratio Lower Upper

165 100

63 1.6 40.5 60.7#

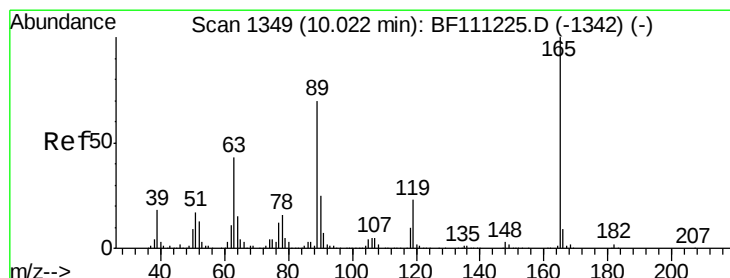
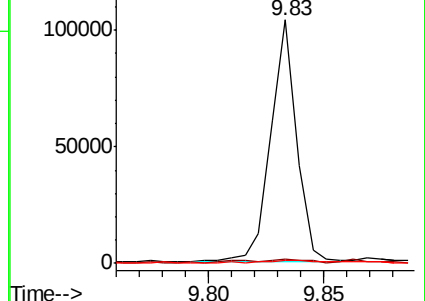
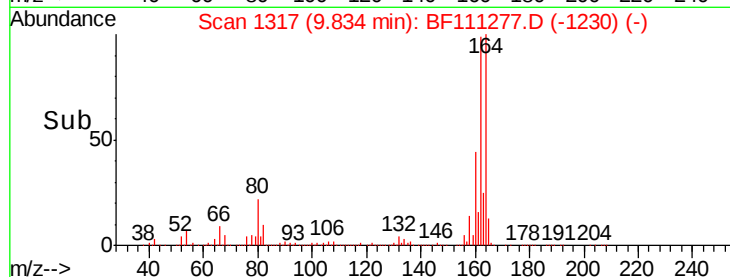
89 1.3 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.656 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Tgt Ion:165 Resp: 81281

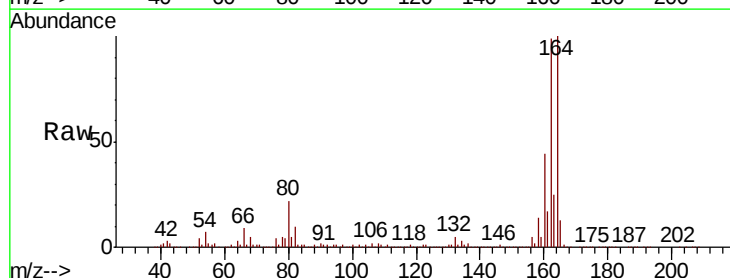
Ion Ratio Lower Upper

165 100

63 1.6 34.6 52.0#

89 1.3 56.2 84.4#

182 0.8 1.8 2.6#

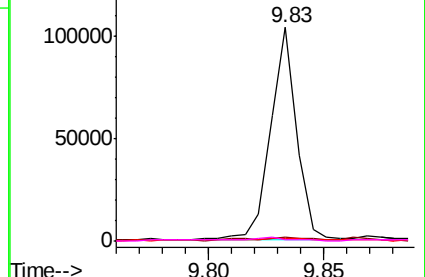
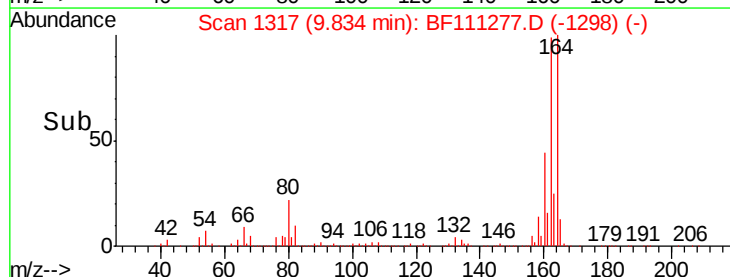


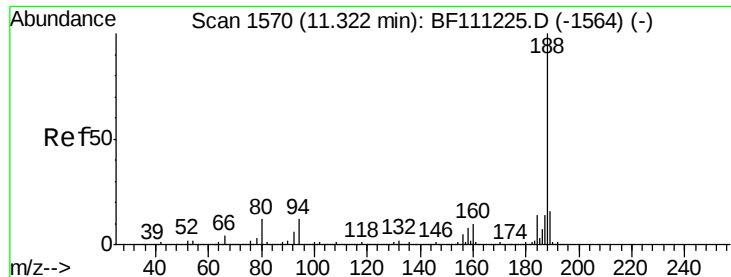
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF111277.D

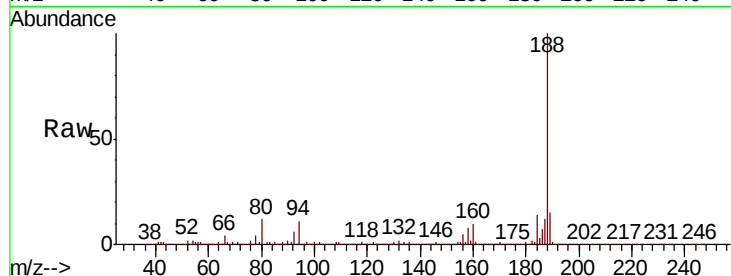
Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampled :

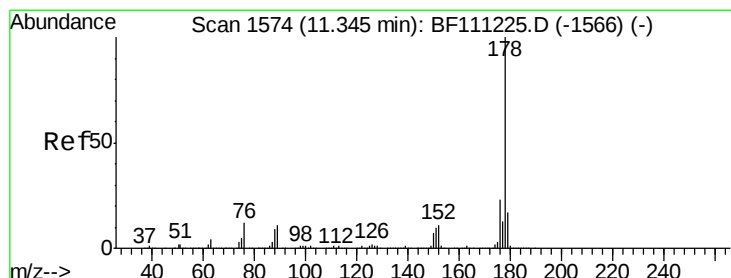
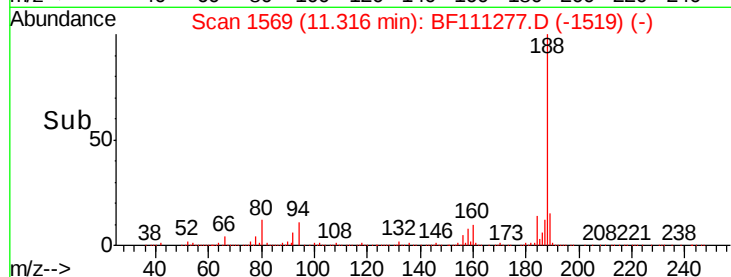
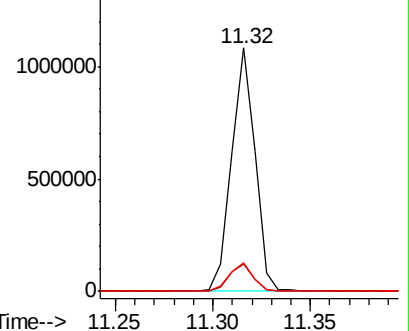
Tot Ion:188	Resp:	902067
Ion	Ratio	Lower Upper
188	100	
94	11.1	9.6 14.4
80	12.0	9.8 14.6



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



#71

Phenanthrene

Concen: 2.362 ng

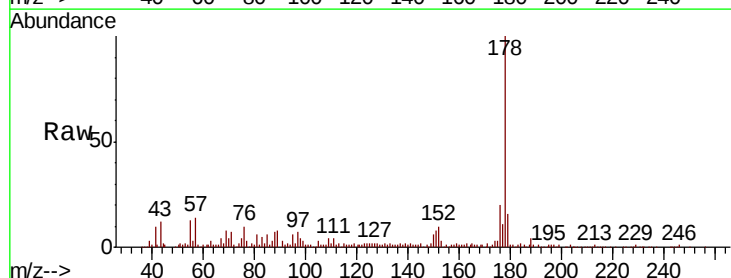
RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

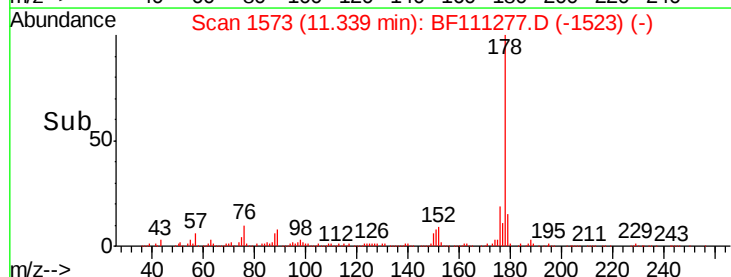
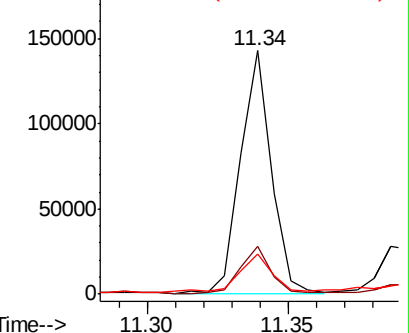
Tgt Ion:178	Resp:	107464
Ion	Ratio	Lower Upper
178	100	
176	19.6	18.1 27.1
179	16.2	14.0 21.0

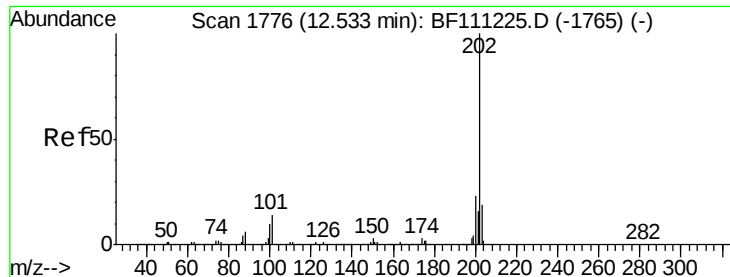


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.370 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampleId :

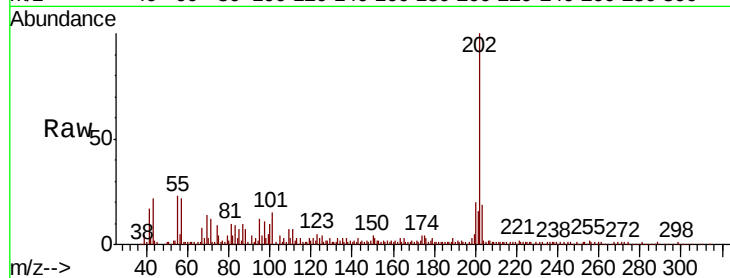
Tot Ion:202 Resp: 140055

Ion Ratio Lower Upper

202 100

101 14.9 0.0 33.8

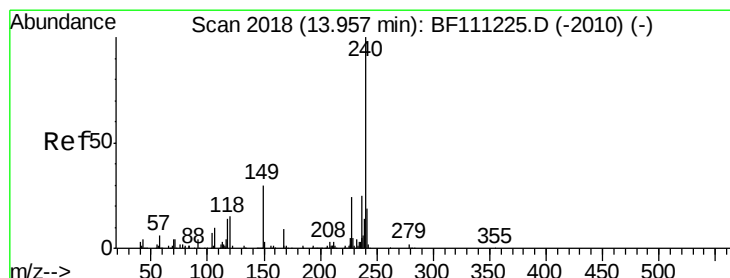
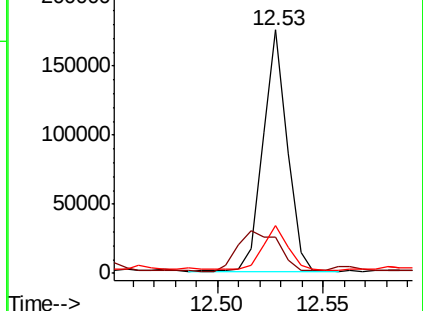
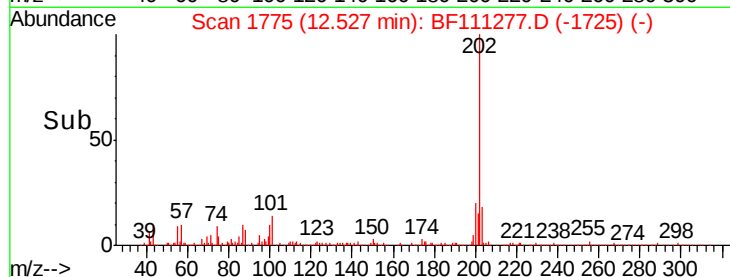
203 19.5 0.0 38.6



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: 13.96 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

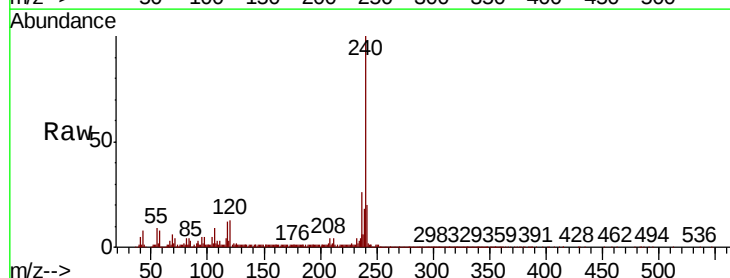
Tgt Ion:240 Resp: 631972

Ion Ratio Lower Upper

240 100

120 13.4 12.2 18.2

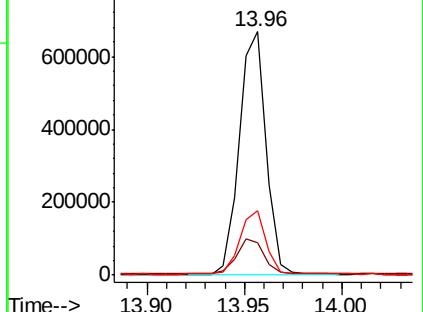
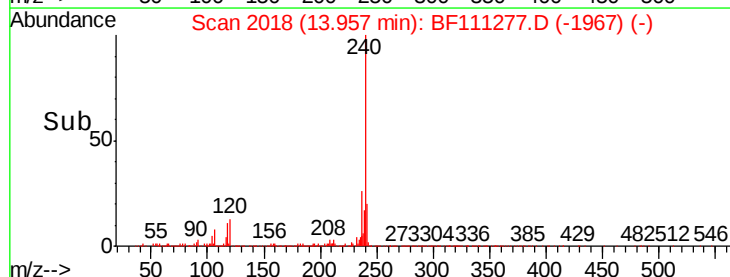
236 26.3 20.2 30.2

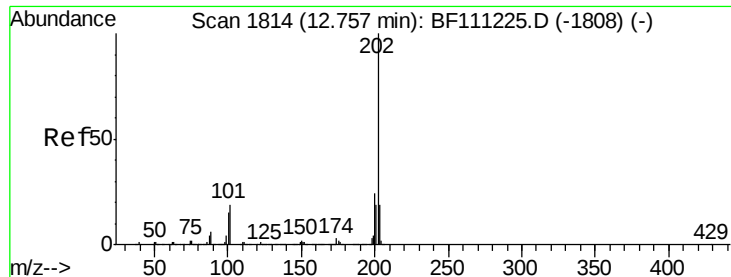


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.383 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampleId :

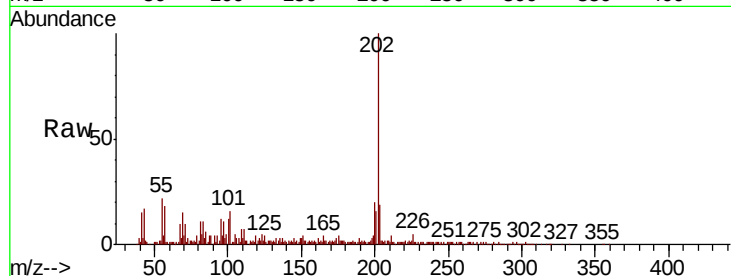
Tot Ion:202 Resp: 152794

Ion Ratio Lower Upper

202 100

200 19.6 19.0 28.4

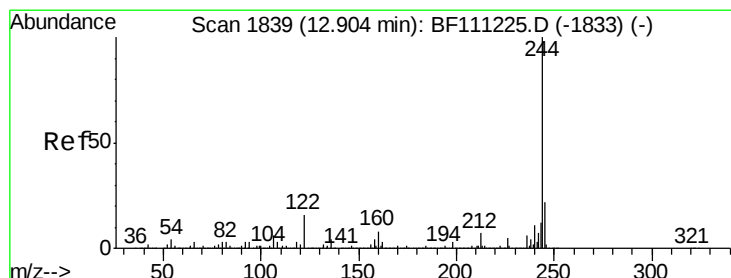
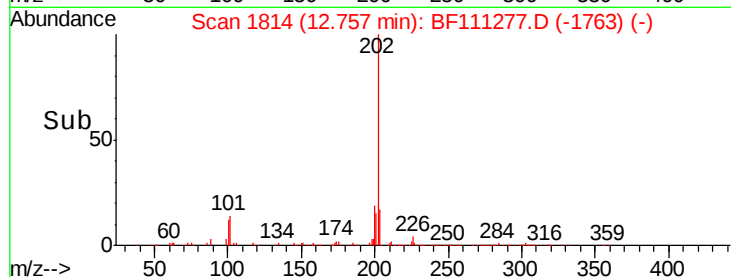
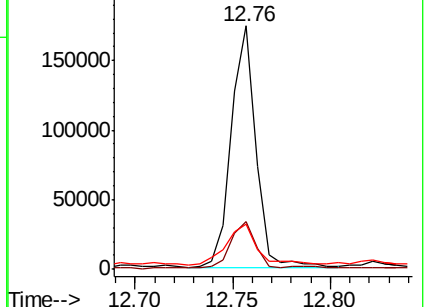
203 18.6 15.2 22.8



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: 40.153 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

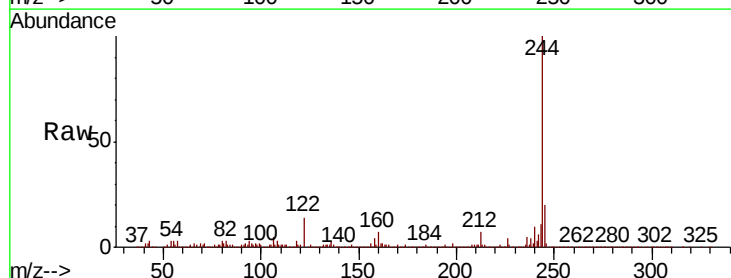
Tgt Ion:244 Resp: 1057925

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

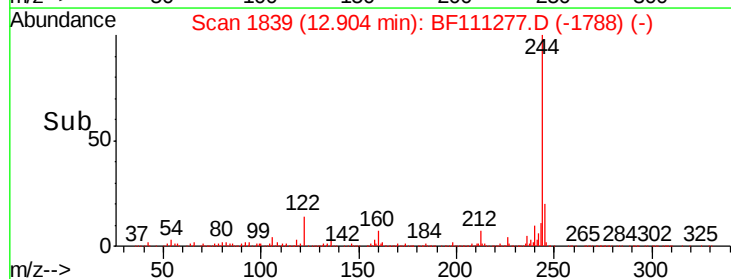
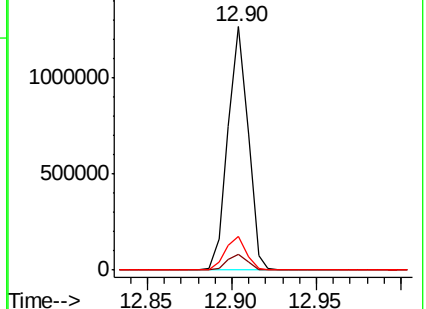
122 14.0 13.1 19.7

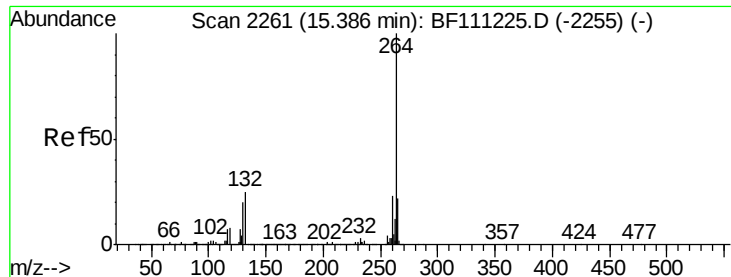


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



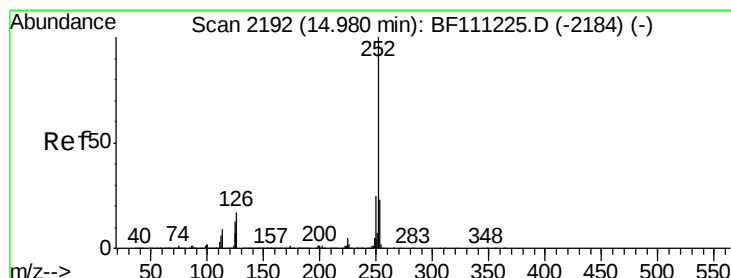
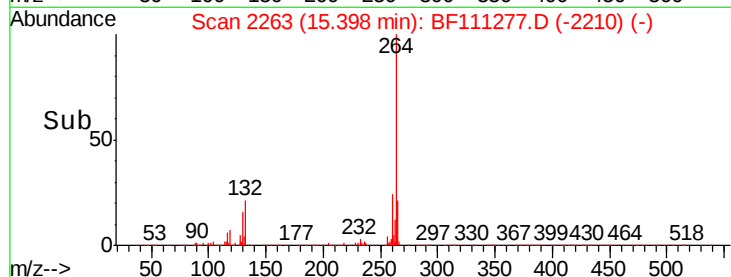
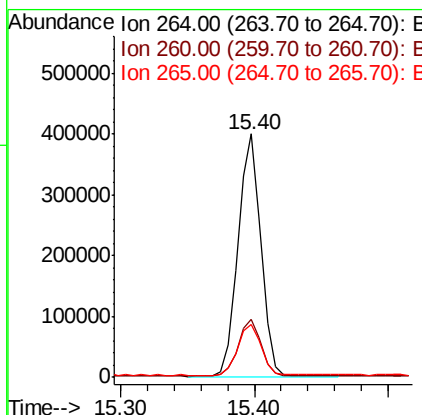
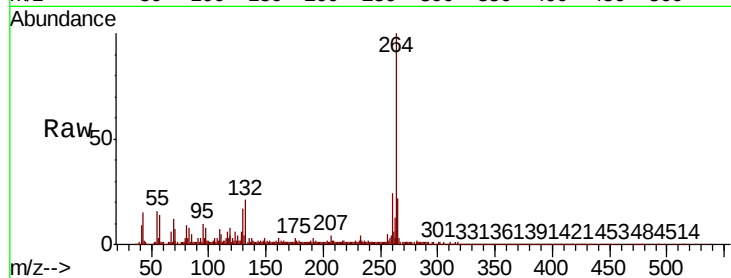


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 473109

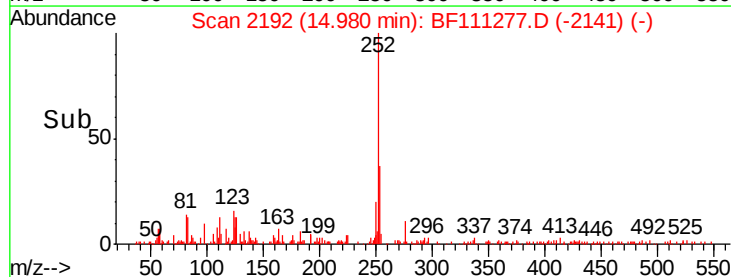
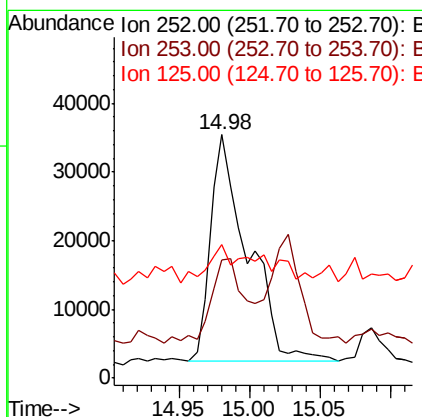
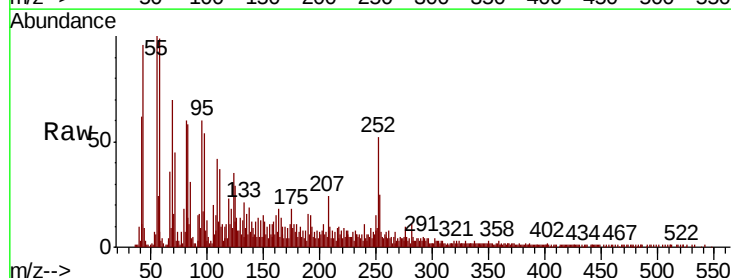
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.7	17.7	26.5

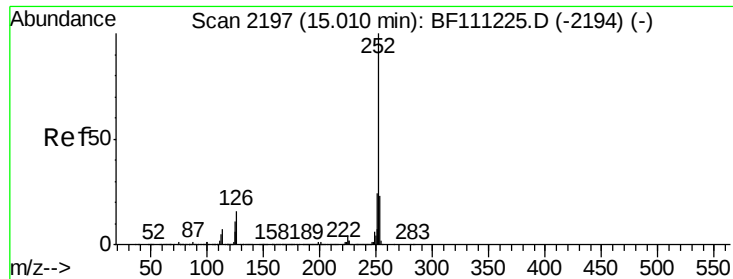


#88
Benzo(b)fluoranthene
Concen: 2.330 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111277.D
Acq: 11 Dec 2018 14:31

Tgt Ion:252 Resp: 60952

Ion	Ratio	Lower	Upper
252	100		
253	48.5	18.2	27.2#
125	55.0	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 2.478 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF111277.D

Acq: 11 Dec 2018 14:31

Instrument :

BNA_F

ClientSampleId :

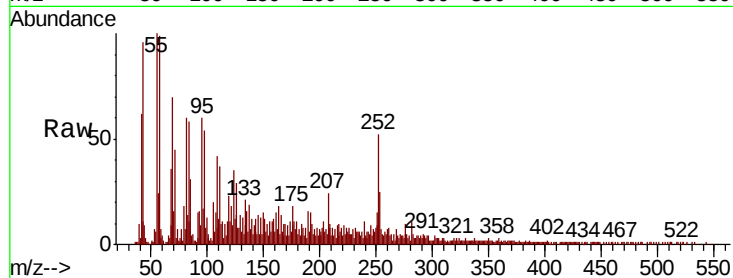
Tot Ion:252 Resp: 60952

Ion Ratio Lower Upper

252 100

253 48.5 18.1 27.1#

125 55.0 9.8 14.8#



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

