

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111173.D
 Acq On : 7 Dec 2018 8:10
 Operator : JU/SJ
 Sample : J6168-23
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 09:38:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	433938	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1577827	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	611270	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	945195	20.00	ng	0.00
76) Chrysene-d12	13.96	240	716776	20.00	ng	0.00
87) Perylene-d12	15.40	264	514404	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2606230	93.72	ng	0.01
7) Phenol-d6	6.44	99	3276713	91.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	2000347	75.06	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	467925	96.30	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2503810	73.95	ng	0.00
79) Terphenyl-d14	12.91	244	1872387	53.50	ng	0.00

Target Compounds

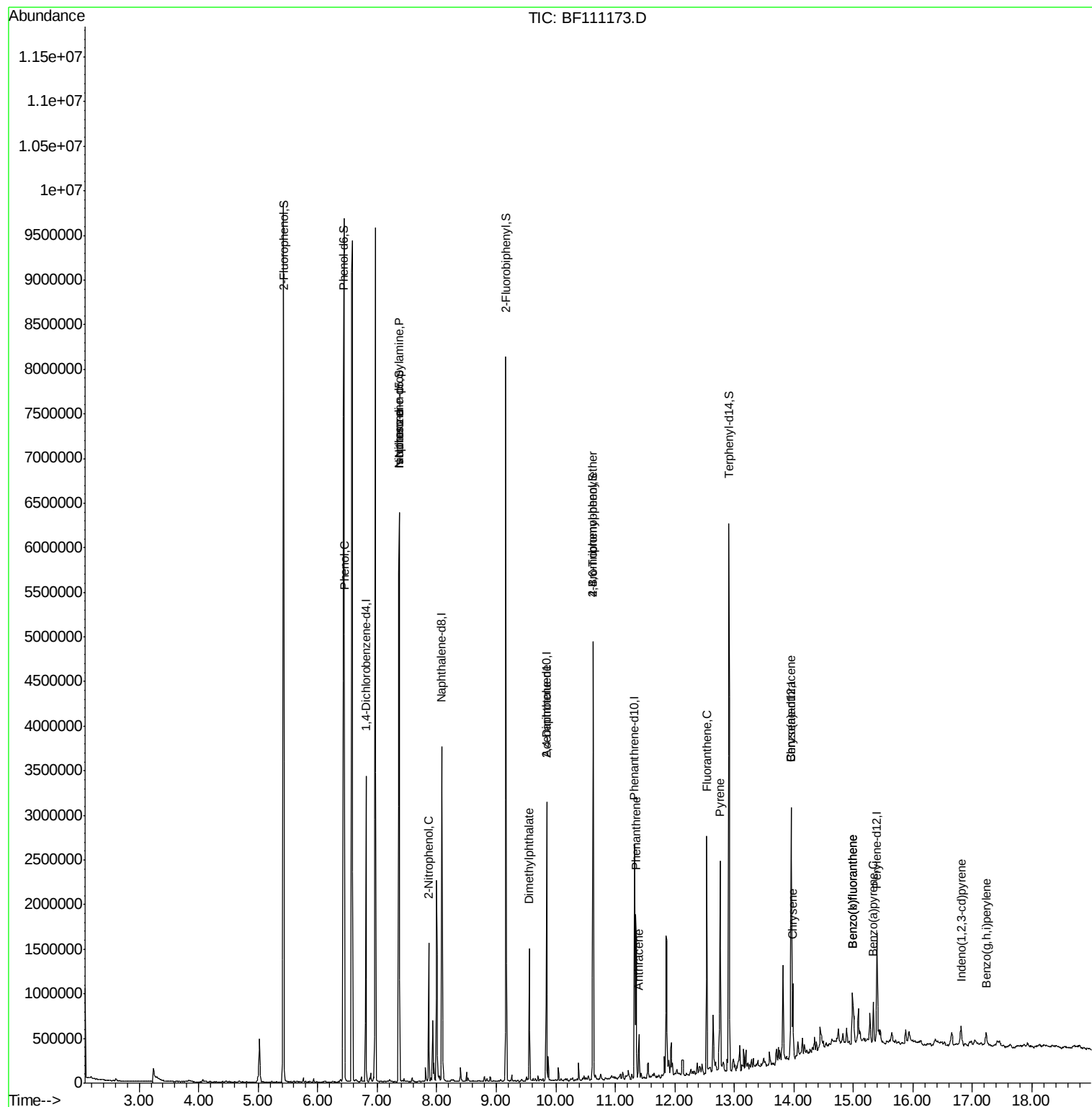
						Qvalue
9) Benzaldehyde	6.44	77	7606	Below Cal	#	3
10) Phenol	6.45	94	262721	6.726	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	267436	11.109	ng	# 74
25) Isophorone	7.37	82	1996227	40.814	ng	# 65
26) 2-Nitrophenol	7.87	139	65208	5.383	ng	# 39
50) Dimethylphthalate	9.56	163	520814	12.242	ng	97
57) 2,4-Dinitrotoluene	9.85	165	78007	6.697	ng	# 23
67) 4-Bromophenyl-phenylether	10.63	248	30433	3.042	ng	# 1
71) Phenanthrene	11.35	178	628010	13.813	ng	94
72) Anthracene	11.40	178	158303	3.454	ng	96
75) Fluoranthene	12.53	202	982844	22.092	ng	96
78) Pyrene	12.76	202	841552	15.070	ng	95
81) Benzo(a)anthracene	13.95	228	358380	8.534	ng	99
83) Chrysene	13.99	228	331067	7.941	ng	95
86) Indeno(1,2,3-cd)pyrene	16.81	276	124714	3.726	ng	92
88) Benzo(b)fluoranthene	14.99	252	413384	14.182	ng	99
89) Benzo(k)fluoranthene	14.99	252	413384	14.670	ng	98
90) Benzo(a)pyrene	15.33	252	209810	7.847	ng	97
92) Benzo(a,h,i)perylene	17.23	276	115433	5.120	ng	95

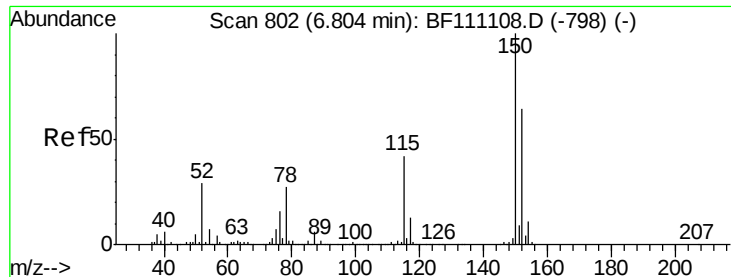
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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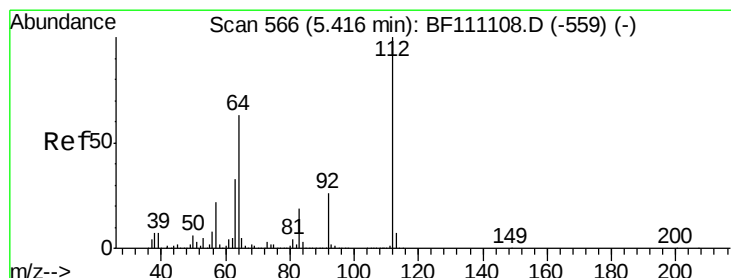
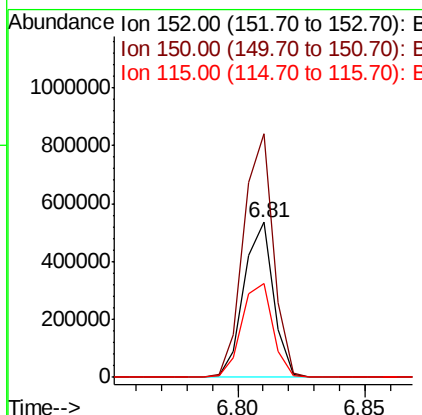
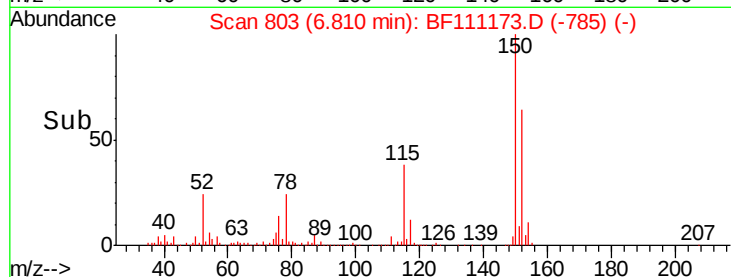
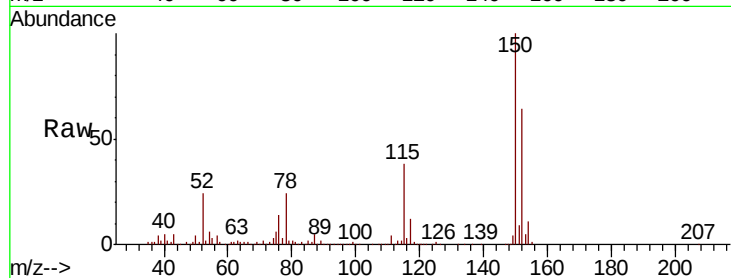


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :

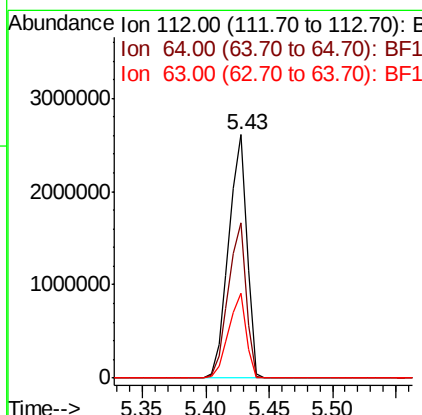
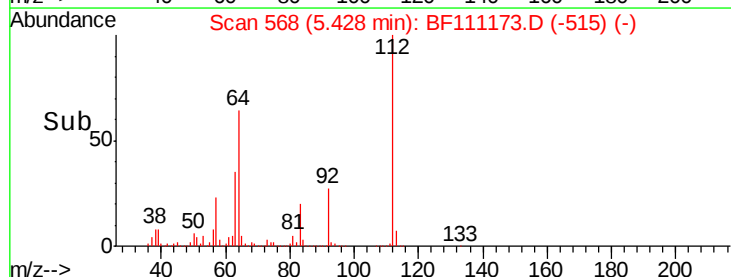
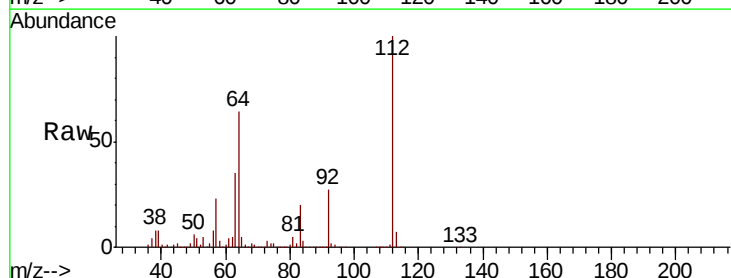
Tot Ion:152 Resp: 433938
Ion Ratio Lower Upper
152 100
150 157.2 124.6 187.0
115 60.4 52.2 78.2

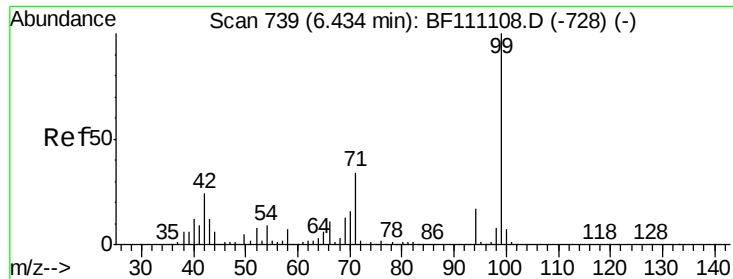


#5

2-Fluorophenol
Concen: 93.721 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion:112 Resp: 2606230
Ion Ratio Lower Upper
112 100
64 64.0 50.2 75.4
63 34.8 26.6 39.8





#7

Phenol-d6

Concen: 91.472 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

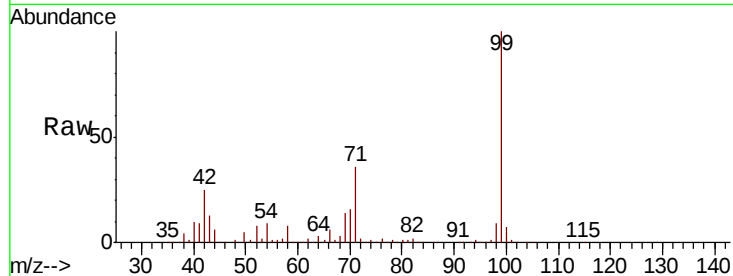
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3276713

Ion	Ratio	Lower	Upper
99	100		
42	24.9	19.3	28.9
71	35.8	27.4	41.2

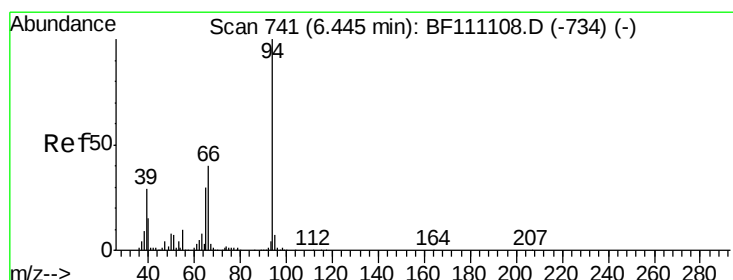
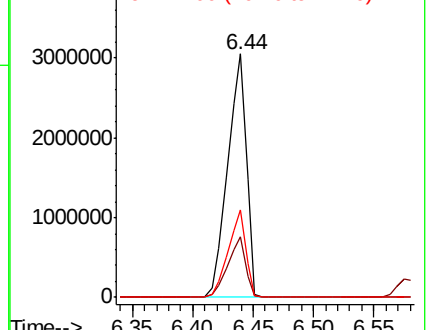
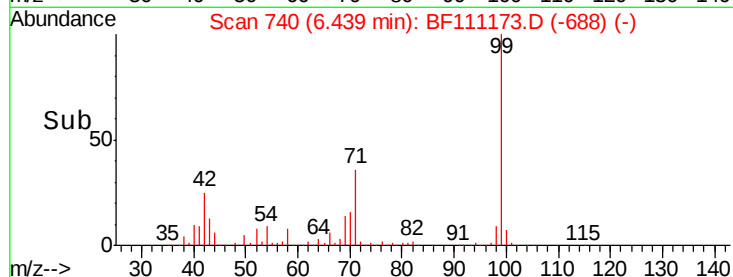


Abundance

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: 6.726 ng

RT: 6.45 min Scan# 742

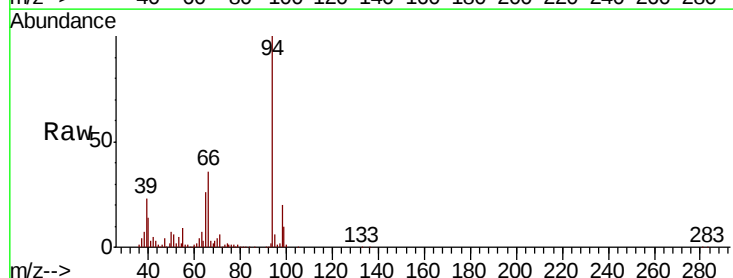
Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Tgt Ion: 94 Resp: 262721

Ion	Ratio	Lower	Upper
94	100		
65	26.3	10.5	50.5
66	36.3	19.8	59.8

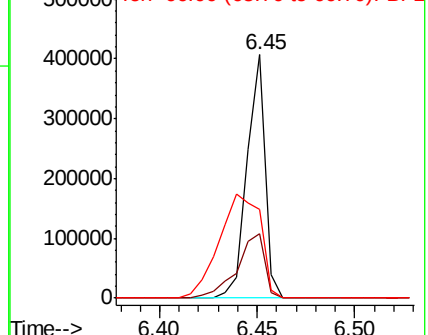
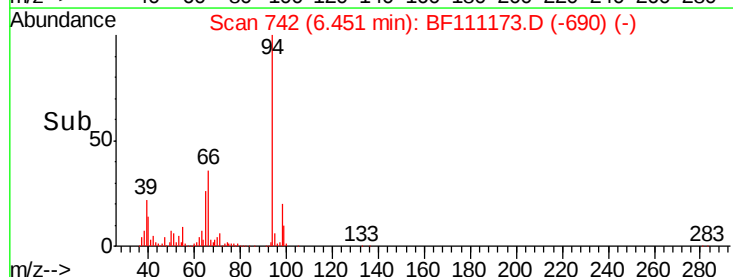


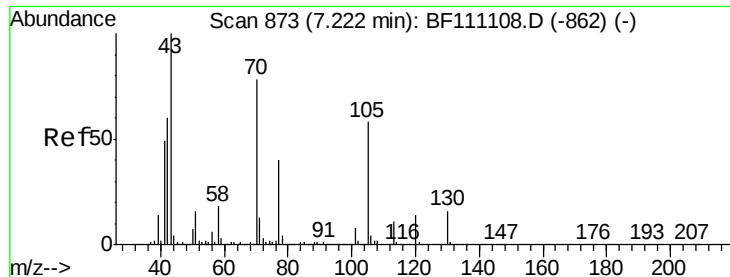
Abundance

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

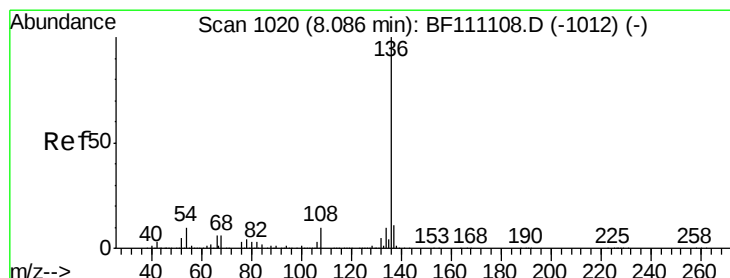
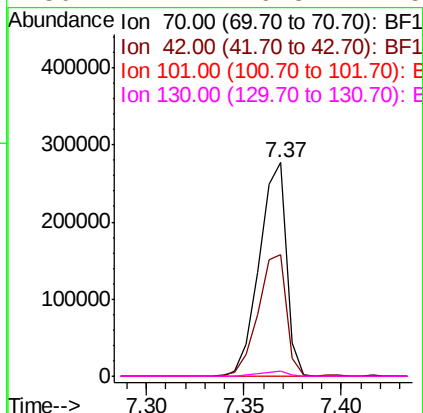
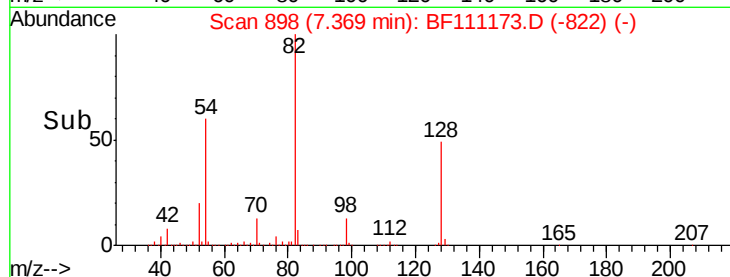
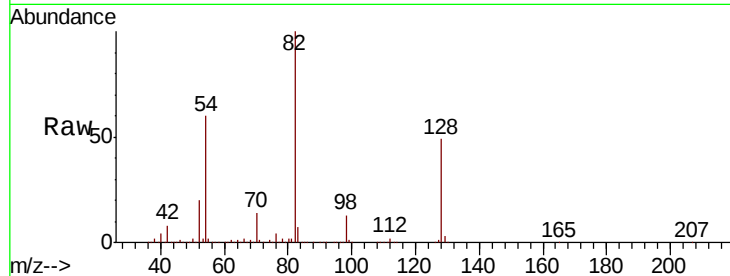




#19
n-Nitroso-di-n-propylamine
Concen: 11.109 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

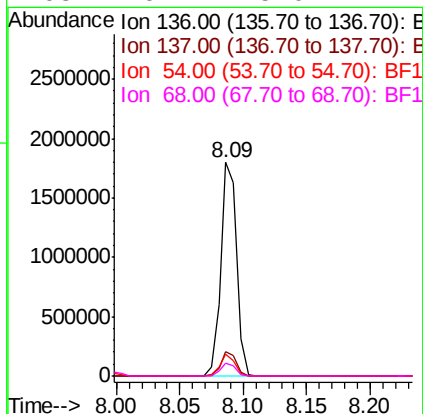
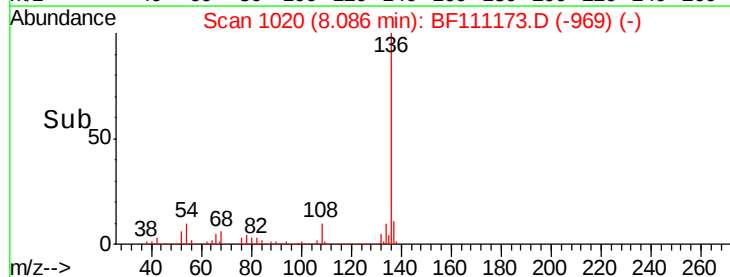
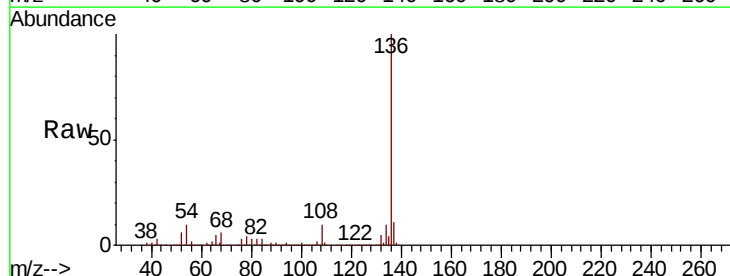
Instrument :
BNA_F
ClientSampleId :

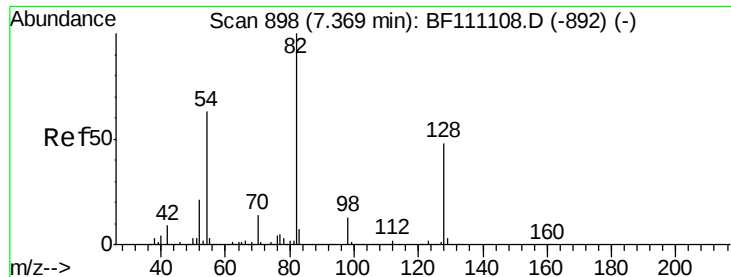
Tot Ion: 70 Resp: 267436
Ion Ratio Lower Upper
70 100
42 56.7 61.3 91.9#
101 0.0 7.7 11.5#
130 2.2 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion:136 Resp: 1577827
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.2 8.4 12.6
68 6.1 5.0 7.4

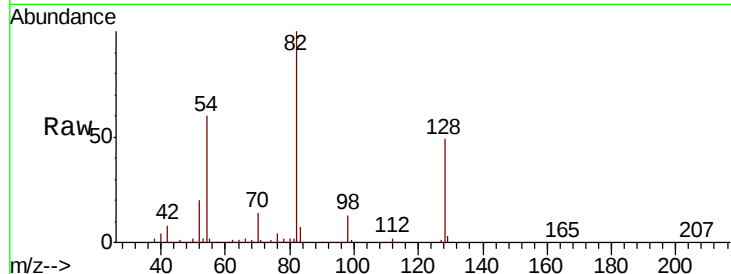




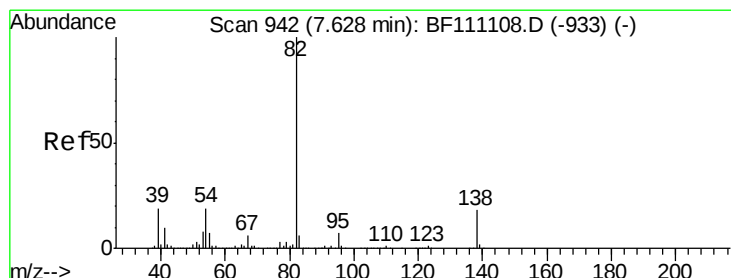
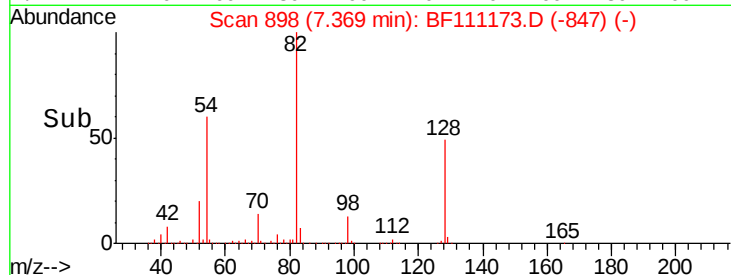
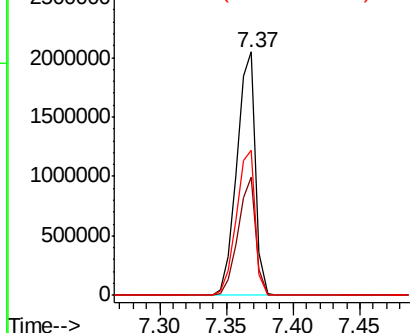
#23
Nitrobenzene-d5
Concen: 75.057 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 2000347
Ion Ratio Lower Upper
82 100
128 48.6 38.1 57.1
54 59.8 50.3 75.5

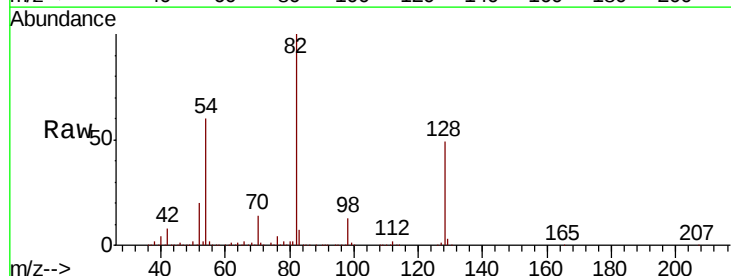


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

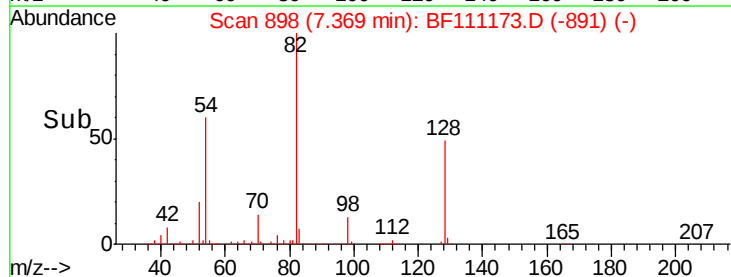
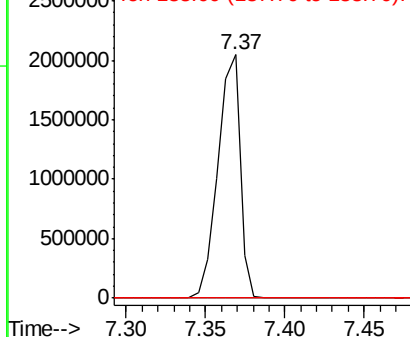


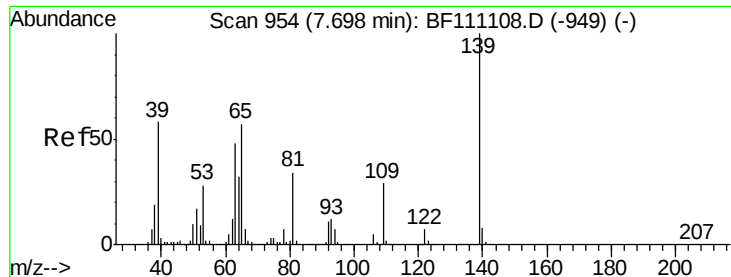
#25
Isophorone
Concen: 40.814 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion: 82 Resp: 1996227
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



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





#26

2-Nitrophenol

Concen: 5.383 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.17 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

ClientSampled :

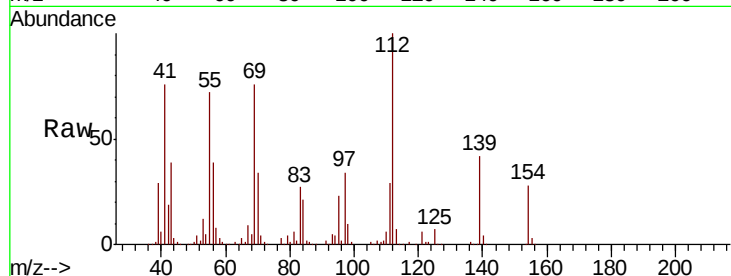
Tot Ion:139 Resp: 65208

Ion Ratio Lower Upper

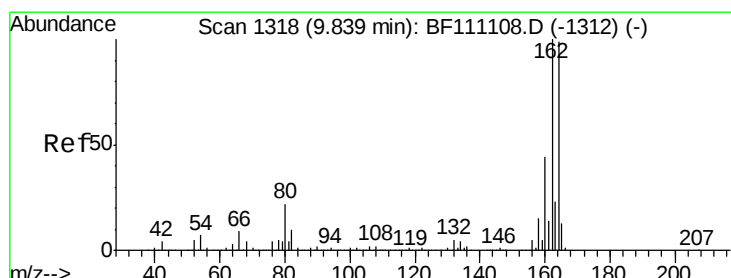
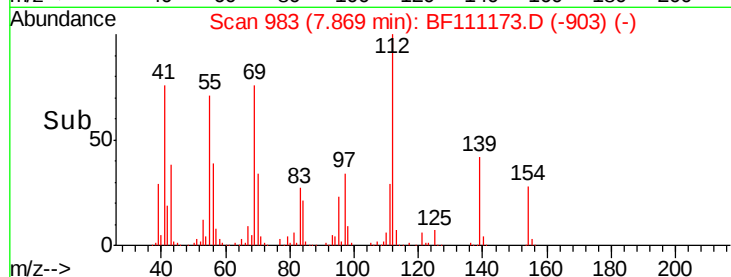
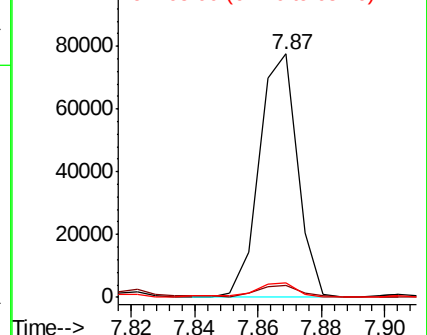
139 100

109 4.8 23.1 34.7#

65 6.0 45.9 68.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

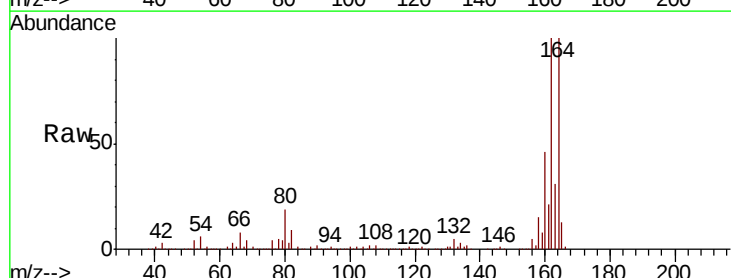
Tgt Ion:164 Resp: 611270

Ion Ratio Lower Upper

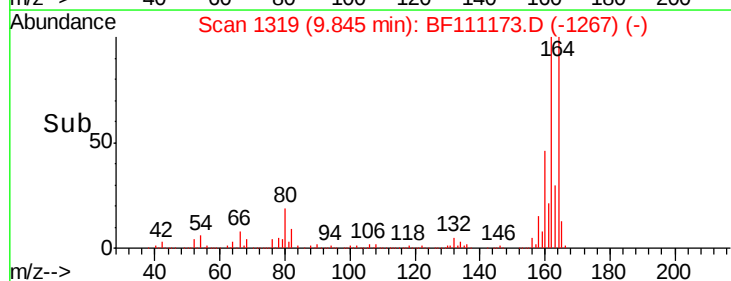
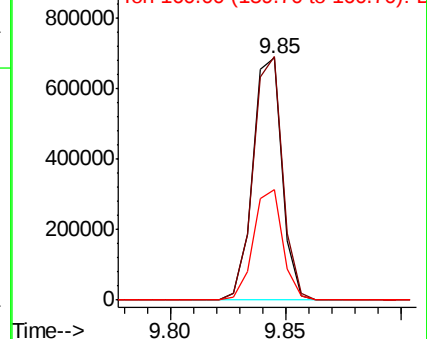
164 100

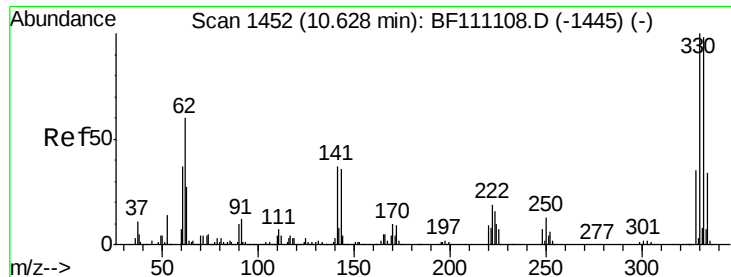
162 100.5 80.6 120.8

160 45.8 35.5 53.3



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

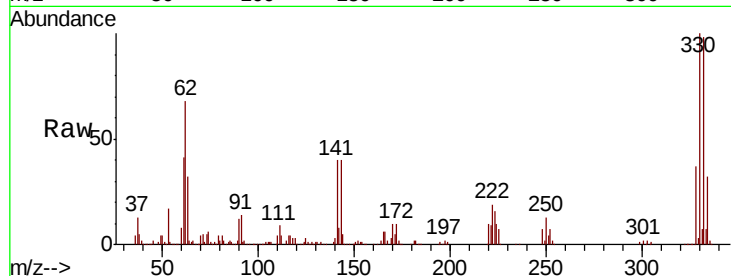




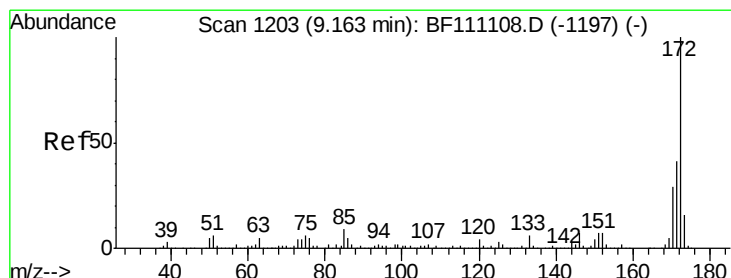
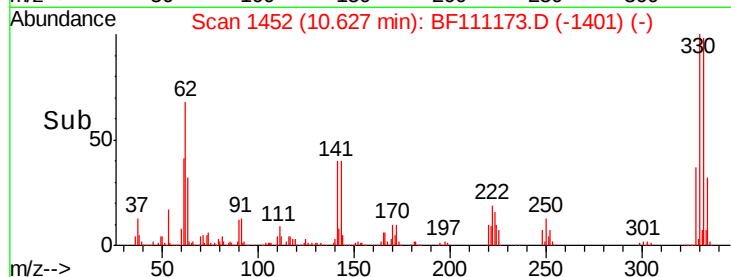
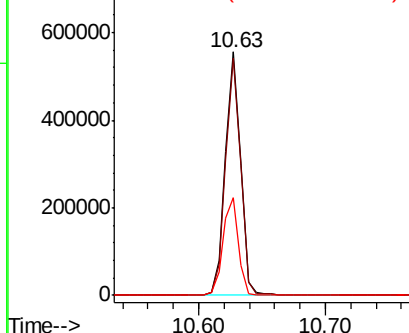
#42
 2,4,6-Tribromophenol
 Concen: 96.303 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	41.2	36.1	54.1

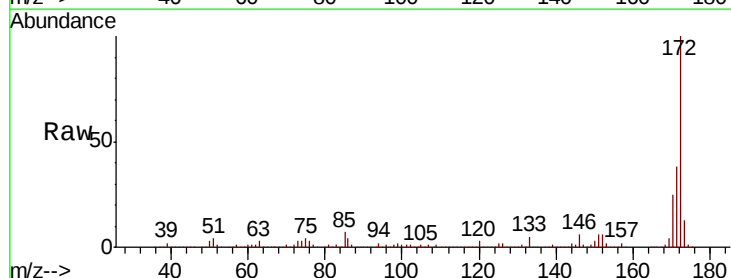


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

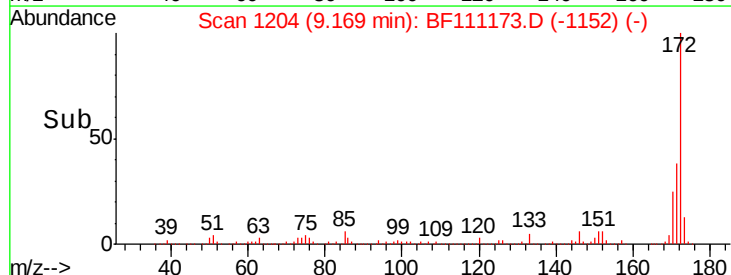
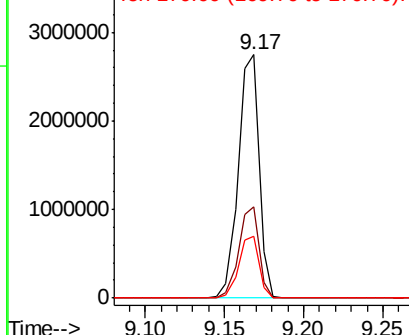


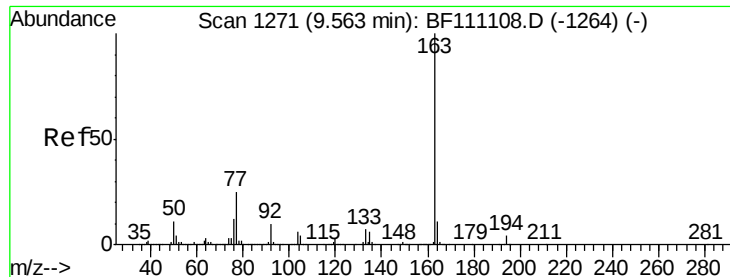
#45
 2-Fluorobiphenyl
 Concen: 73.953 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	33.2	49.8
170	25.2	22.9	34.3



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

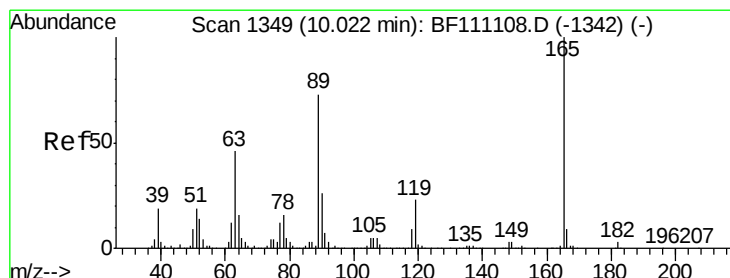
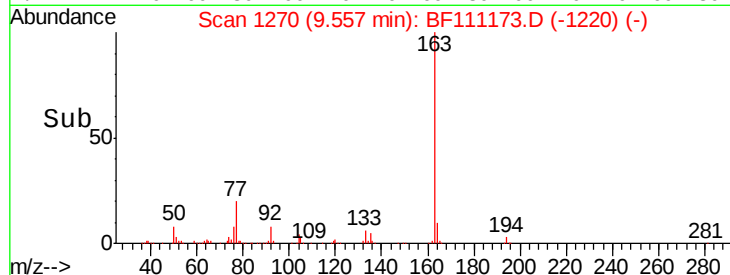
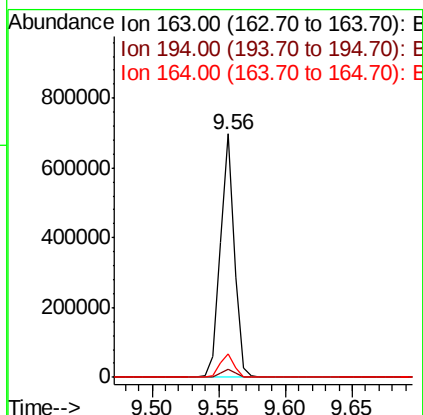
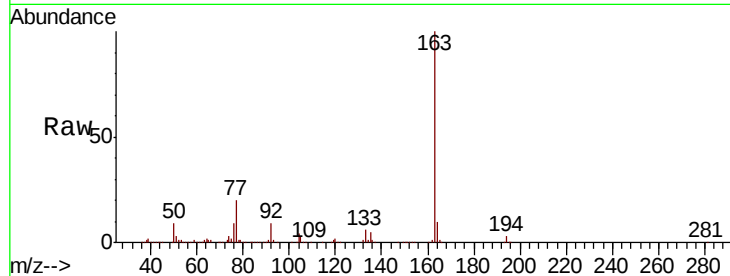




#50
Dimethylphthalate
Concen: 12.242 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

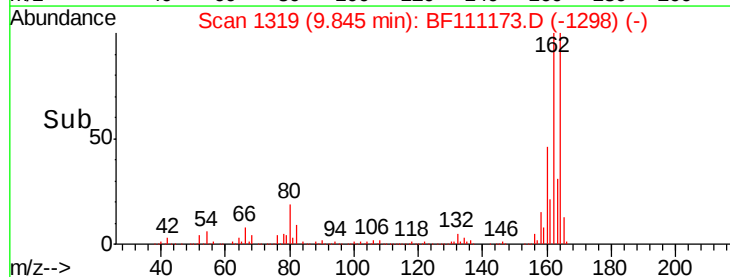
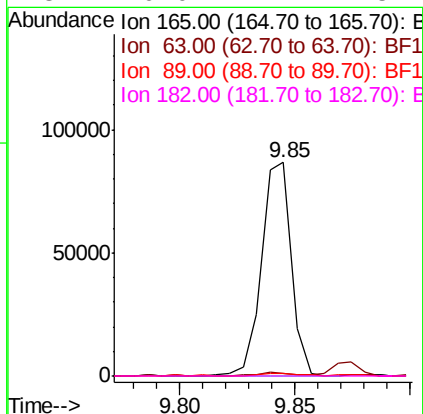
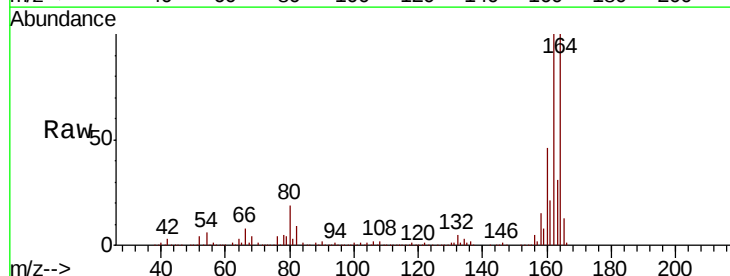
Instrument :
BNA_F
ClientSampleId :

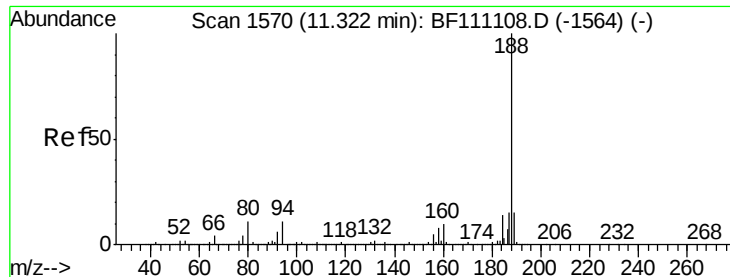
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.7	8.9	13.3



#57
2,4-Dinitrotoluene
Concen: 6.697 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.18 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.0	58.4	87.6#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

ClientSampled :

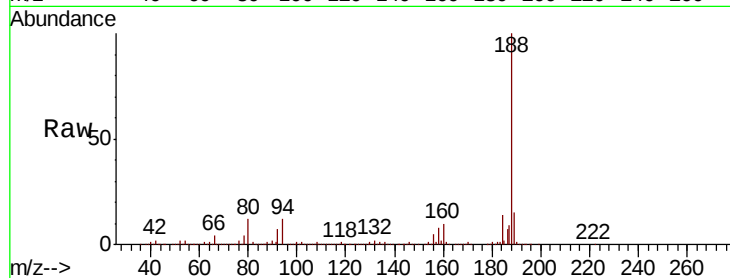
Tot Ion:188 Resp: 945195

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

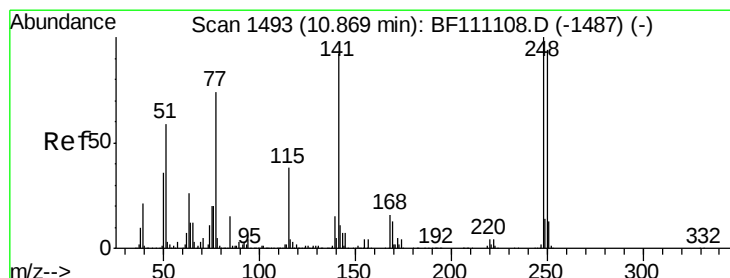
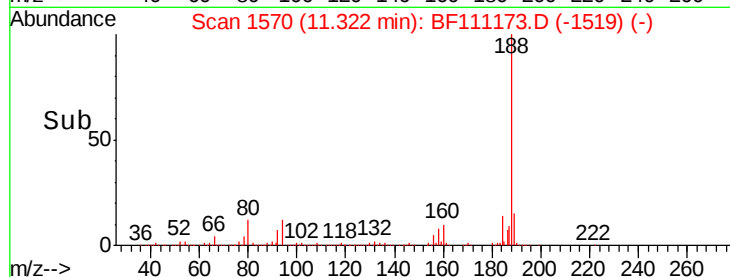
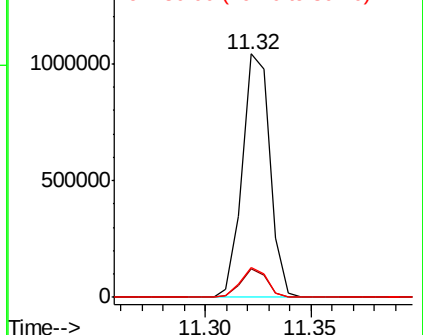
80 12.0 9.0 13.6



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: 3.042 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

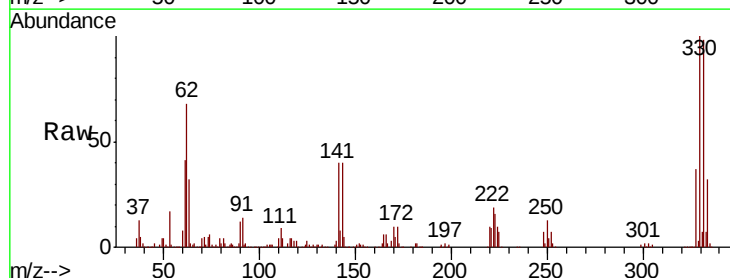
Tgt Ion:248 Resp: 30433

Ion Ratio Lower Upper

248 100

250 196.8 75.4 113.0#

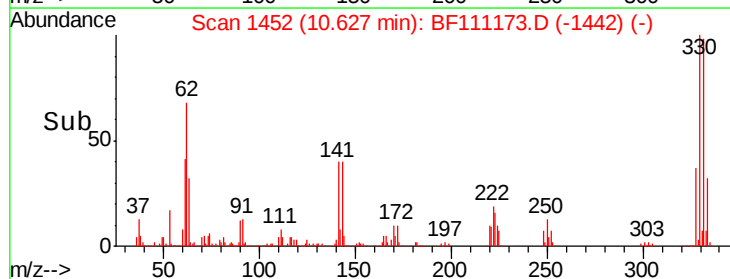
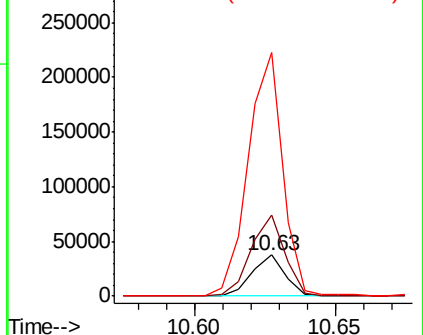
141 589.4 73.8 110.6#

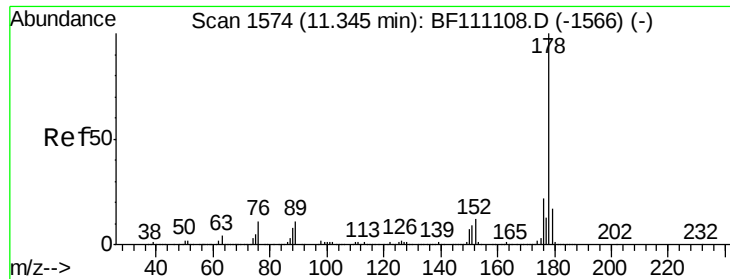


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

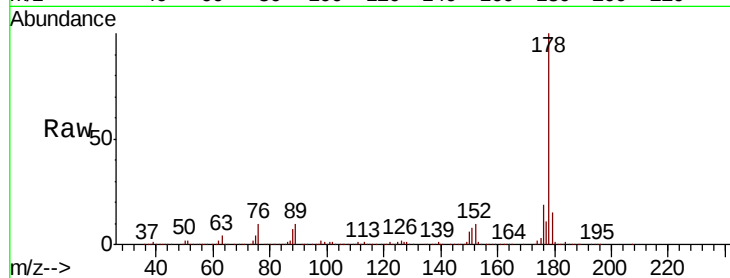




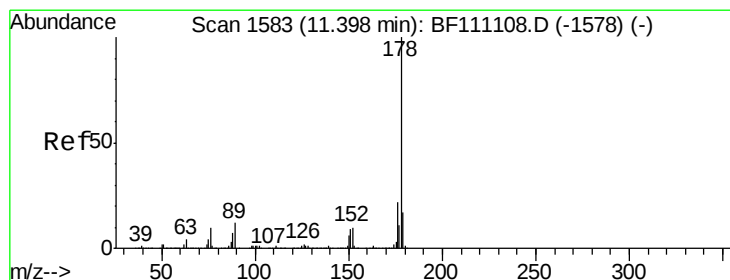
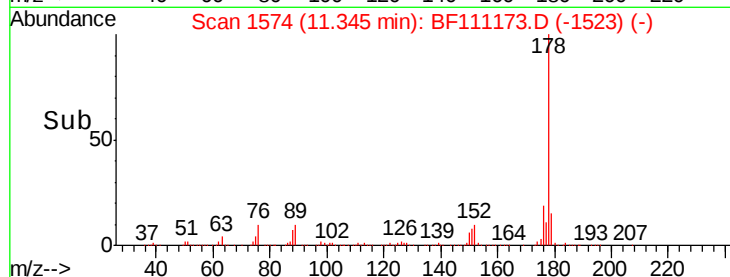
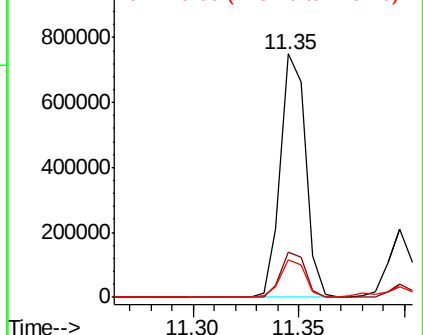
#71
Phenanthrene
Concen: 13.813 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 628010
Ion Ratio Lower Upper
178 100
176 18.8 17.7 26.5
179 15.4 14.0 21.0

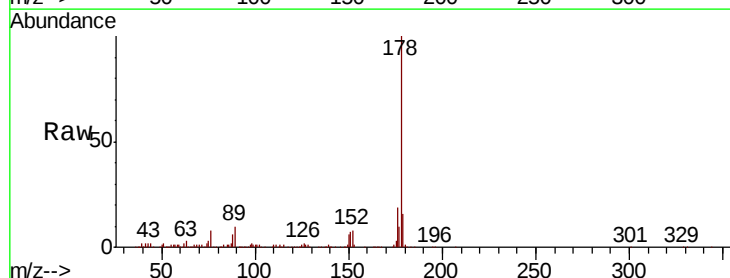


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

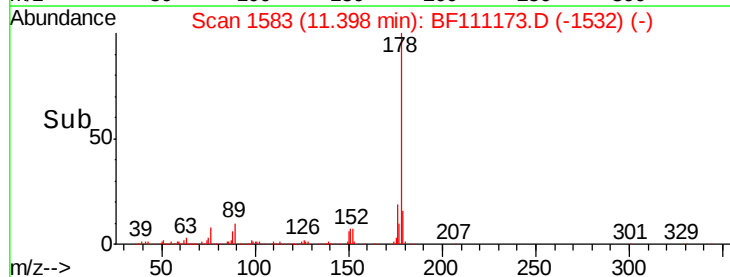
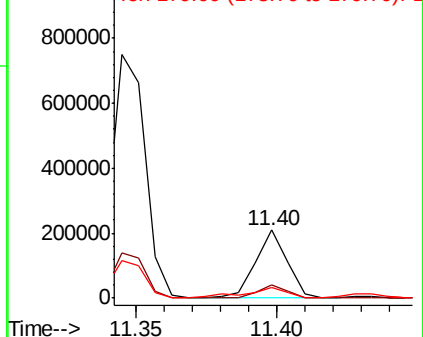


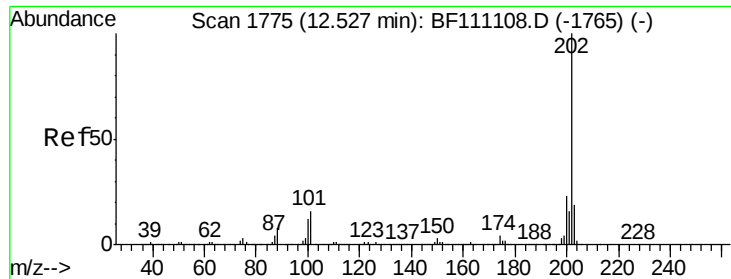
#72
Anthracene
Concen: 3.454 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion:178 Resp: 158303
Ion Ratio Lower Upper
178 100
176 19.1 17.3 25.9
179 15.9 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.092 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

ClientSampleId :

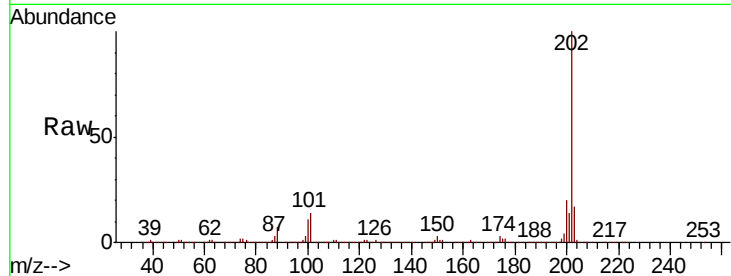
Tot Ion:202 Resp: 982844

Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.8

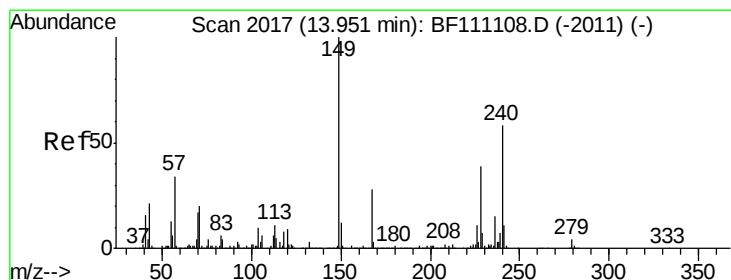
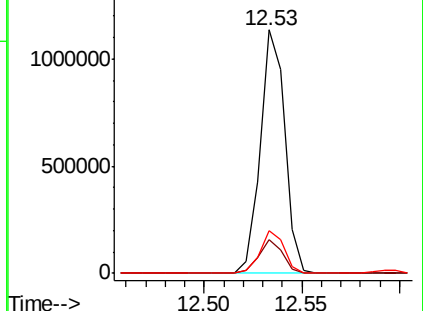
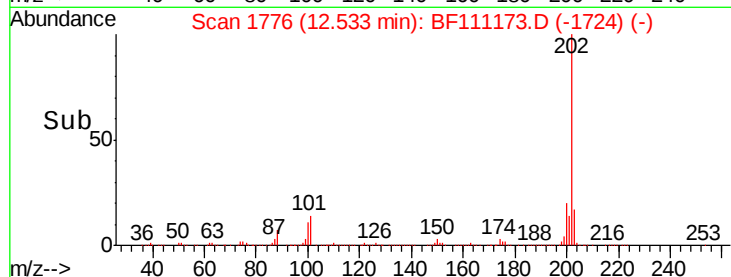
203 17.3 0.0 38.6



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# 2018

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

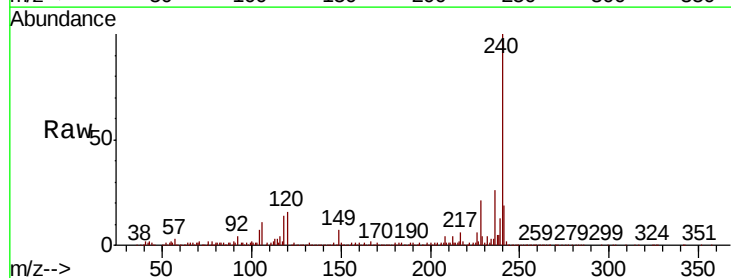
Tgt Ion:240 Resp: 716776

Ion Ratio Lower Upper

240 100

120 15.6 12.8 19.2

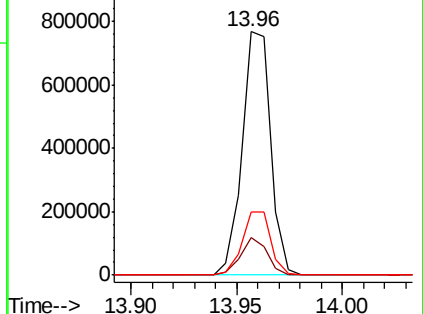
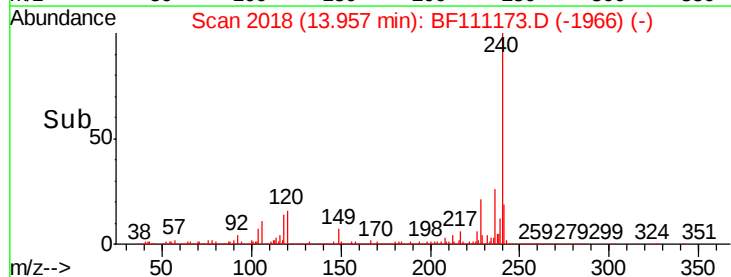
236 25.7 21.1 31.7

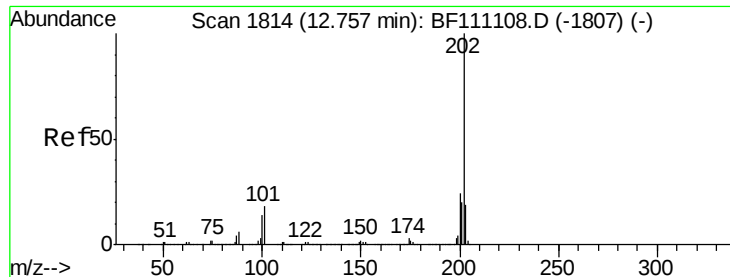


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 15.070 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

ClientSampleId :

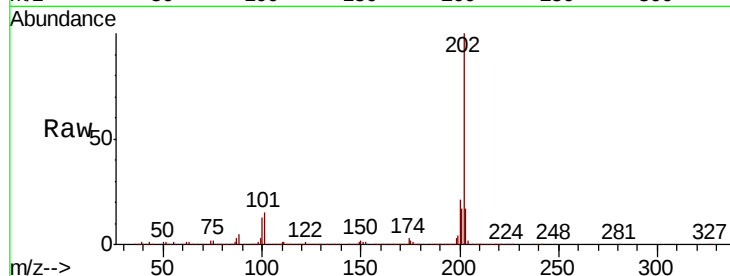
Tot Ion:202 Resp: 841552

Ion Ratio Lower Upper

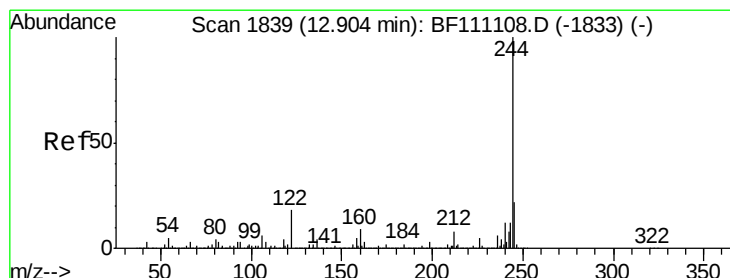
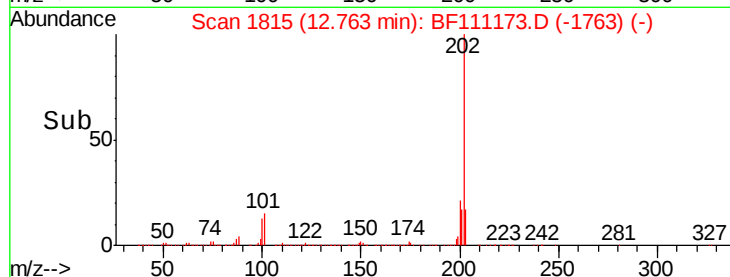
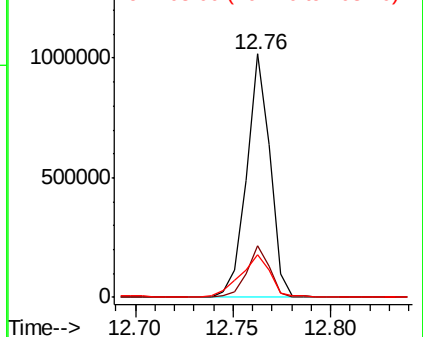
202 100

200 21.2 19.3 28.9

203 17.3 15.4 23.2



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: 53.498 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

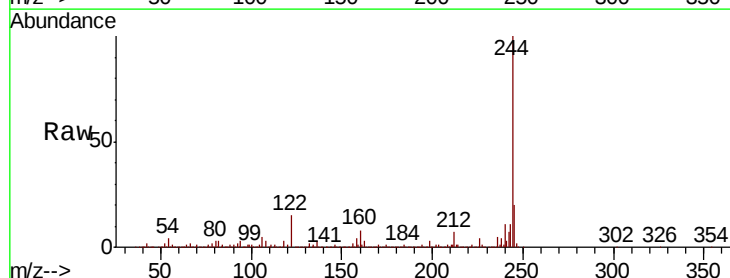
Tgt Ion:244 Resp: 1872387

Ion Ratio Lower Upper

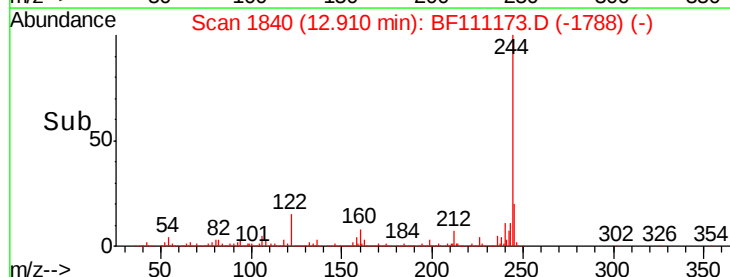
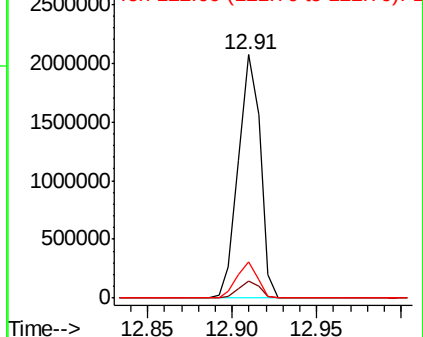
244 100

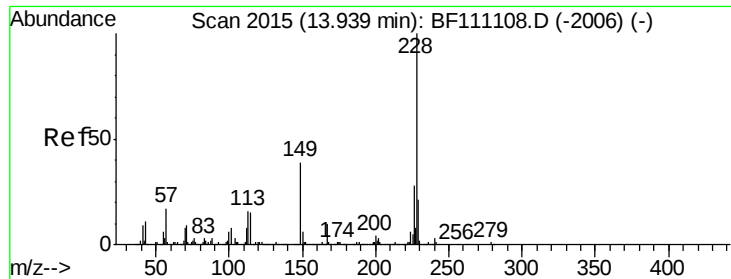
212 7.1 6.6 9.8

122 15.0 14.2 21.2



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

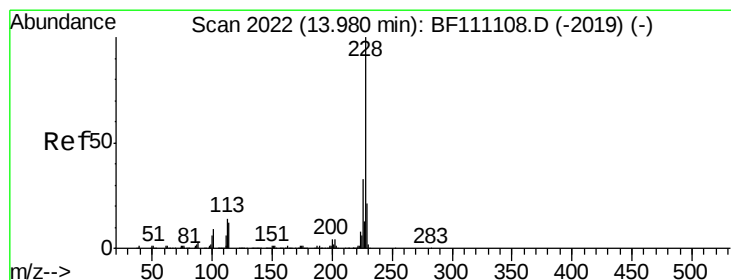
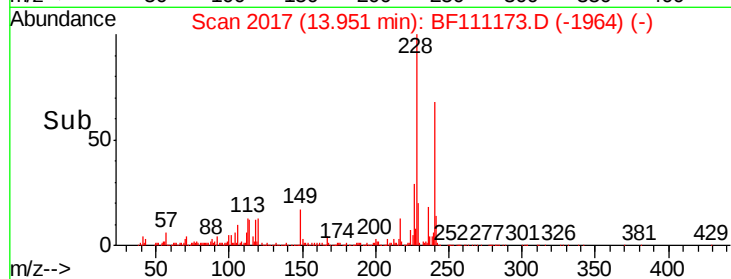
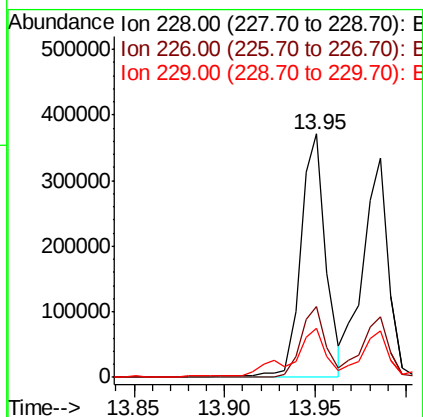
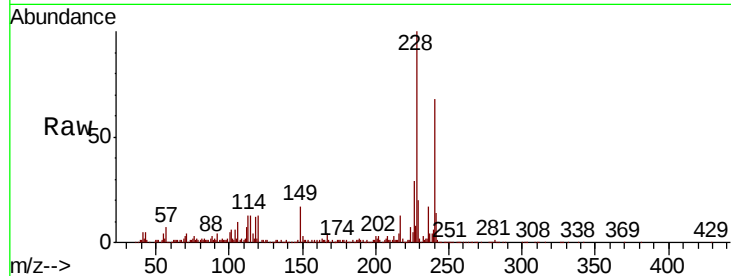




#81
Benzo(a)anthracene
Concen: 8.534 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

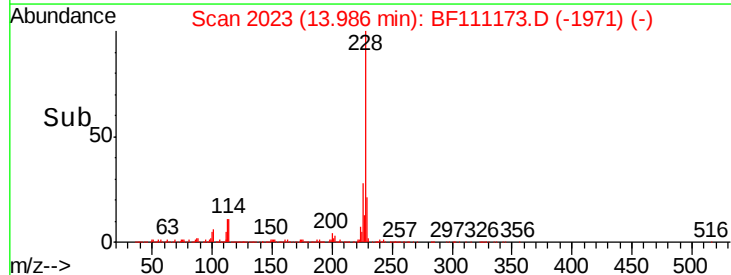
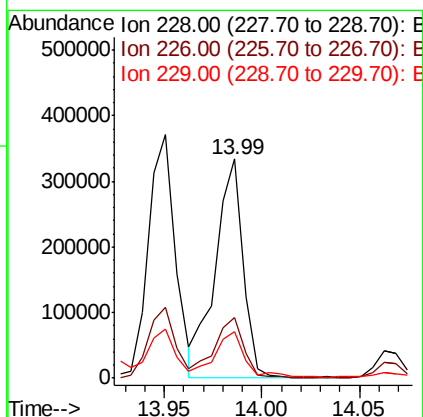
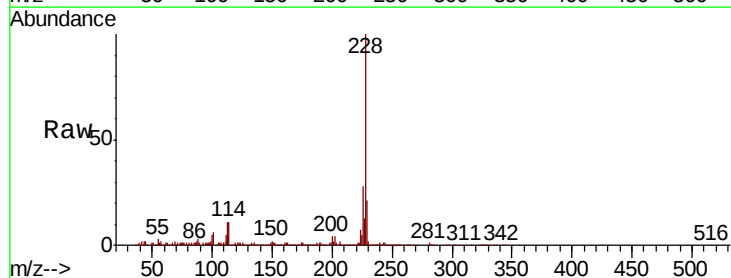
Instrument :
BNA_F
ClientSampled :

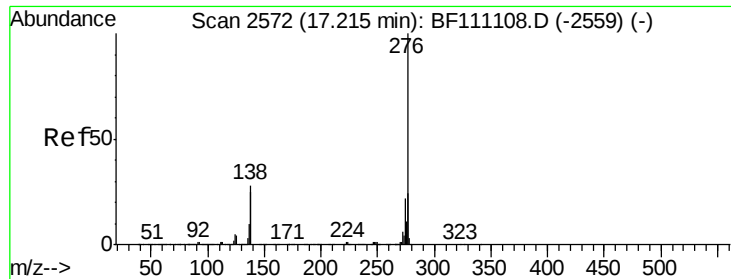
Tot Ion:228 Resp: 358380
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 20.3 16.7 25.1



#83
Chrysene
Concen: 7.941 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion:228 Resp: 331067
Ion Ratio Lower Upper
228 100
226 28.0 26.2 39.2
229 21.4 16.9 25.3

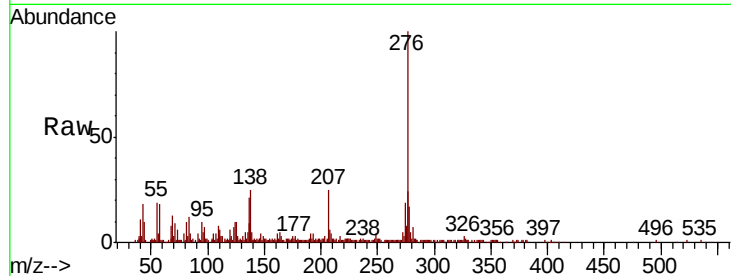




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.726 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. 0.02 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	20.2	30.4
277	23.6	15.8	23.6

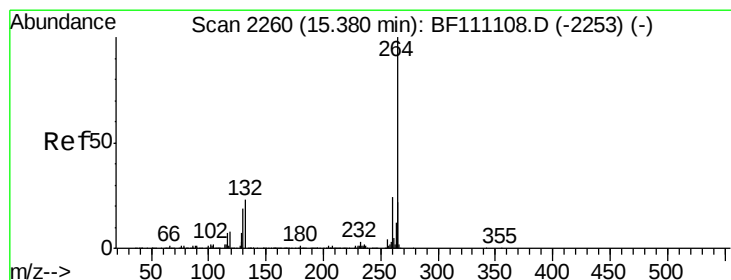
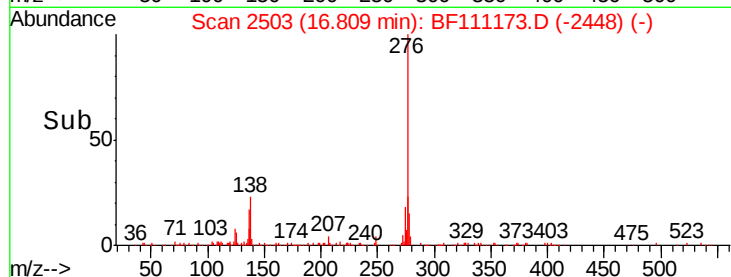
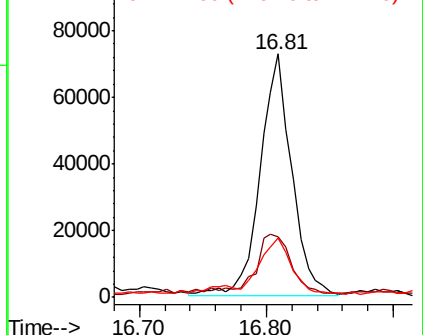


Abundance

Ion 276.00 (275.70 to 276.70): E

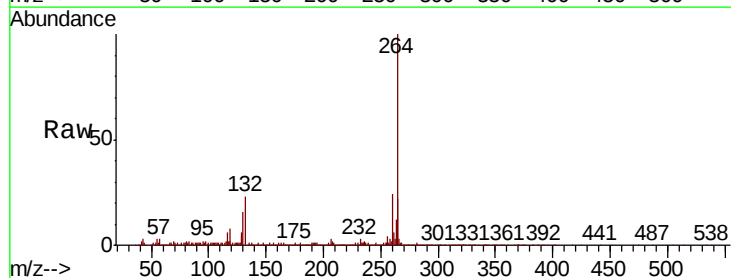
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2263
 Delta R.T. 0.02 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.4	17.4	26.0

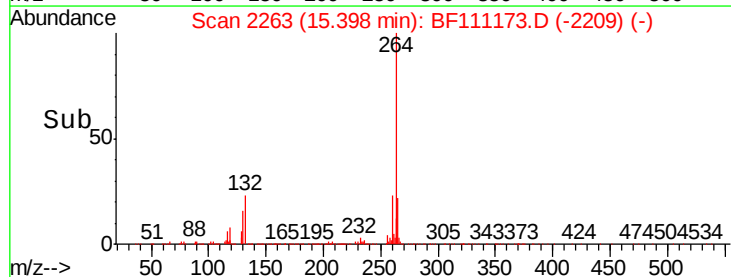
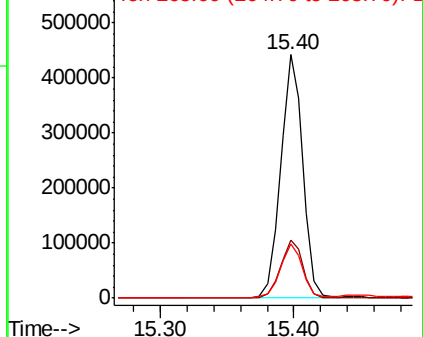


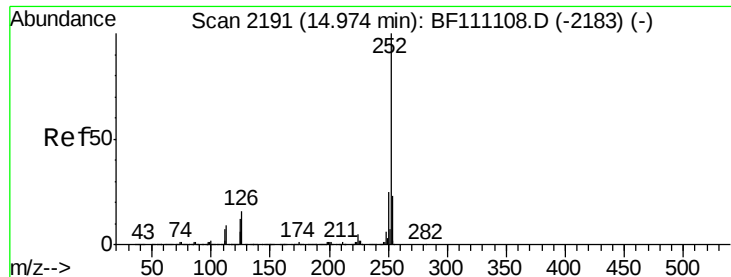
Abundance

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

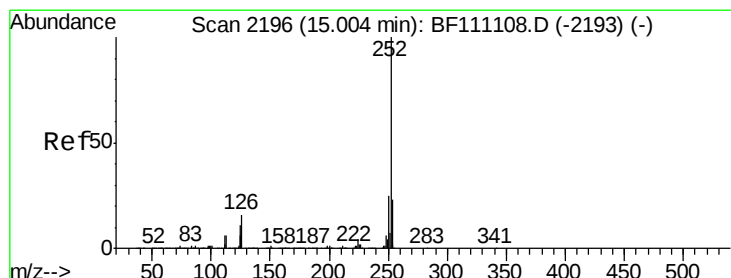
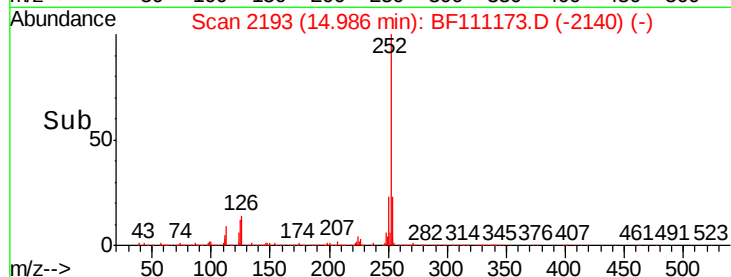
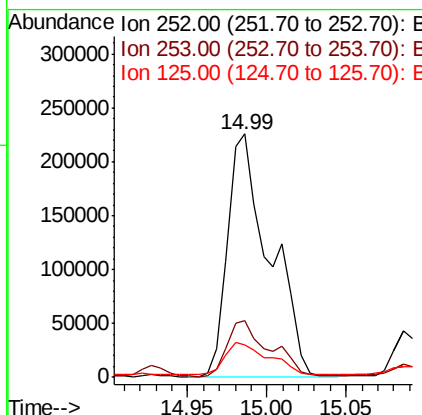
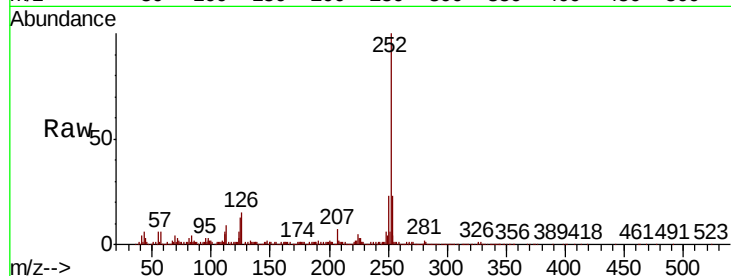




#88
Benzo(b)fluoranthene
Concen: 14.182 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

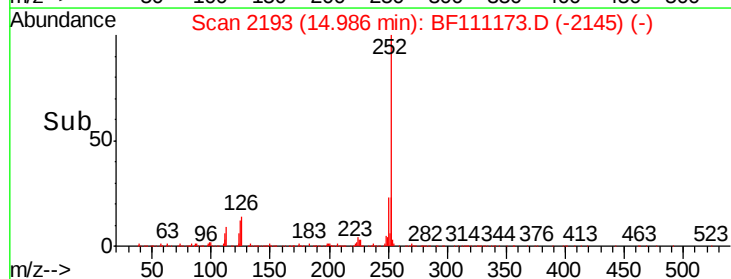
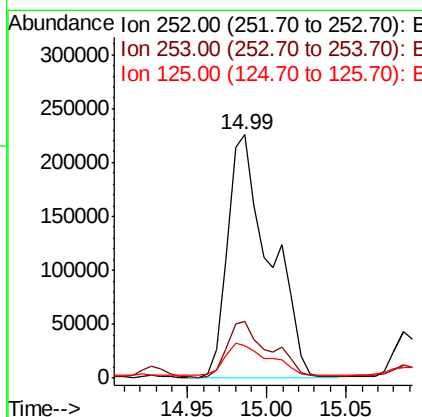
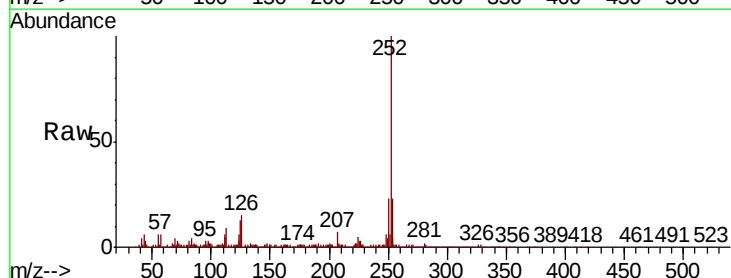
Instrument :
BNA_F
ClientSampleId :

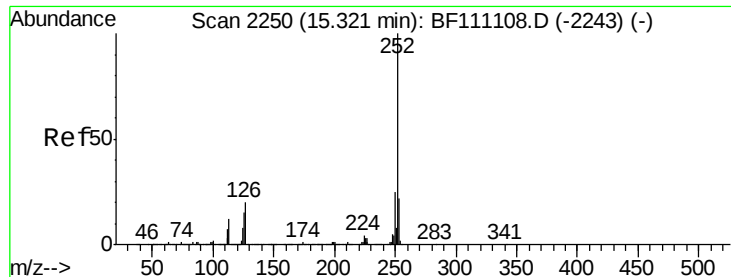
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	13.5	9.9	14.9



#89
Benzo(k)fluoranthene
Concen: 14.670 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	13.5	9.9	14.9





#90

Benzo(a)pyrene

Concen: 7.847 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111173.D

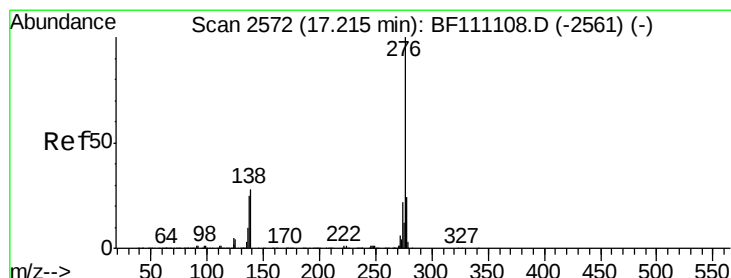
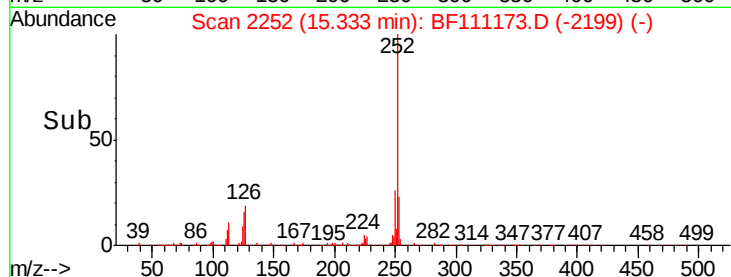
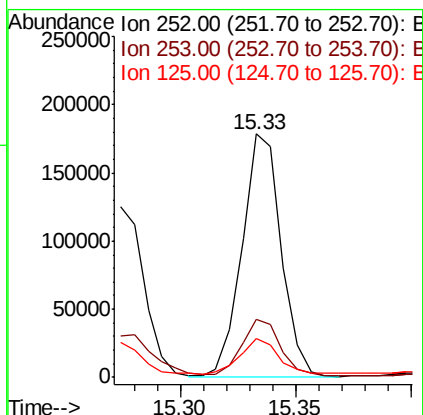
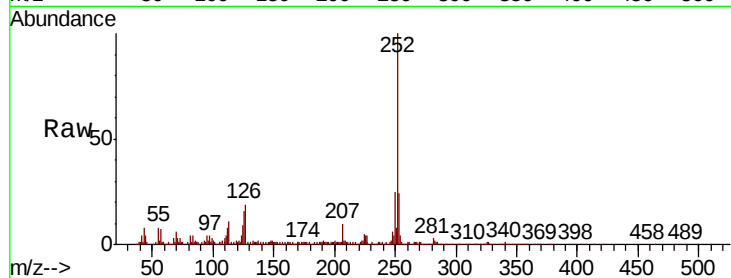
Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	209810
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.5 26.3
125	16.1	12.4 18.6



#92

Benzo(g,h,i)perylene

Concen: 5.120 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Tgt Ion:276	Resp:	115433
Ion Ratio	Lower	Upper
276	100	
277	21.7	19.3 28.9
138	25.4	22.3 33.5

