

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115709.D
 Acq On : 22 Jul 2019 15:12
 Operator : HP/JU
 Sample : K3887-07DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:16:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	175017	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	666215	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	350552	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	587101	20.00	ng	0.00
76) Chrysene-d12	14.04	240	368093	20.00	ng	0.00
87) Perylene-d12	15.52	264	482804	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	547353	51.16	ng	0.00
7) Phenol-d6	6.50	99	721449	53.14	ng	-0.01
23) Nitrobenzene-d5	7.43	82	442848	38.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	170773	41.74	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	797840	39.84	ng	-0.02
79) Terphenyl-d14	12.99	244	677963	33.98	ng	-0.01

Target Compounds

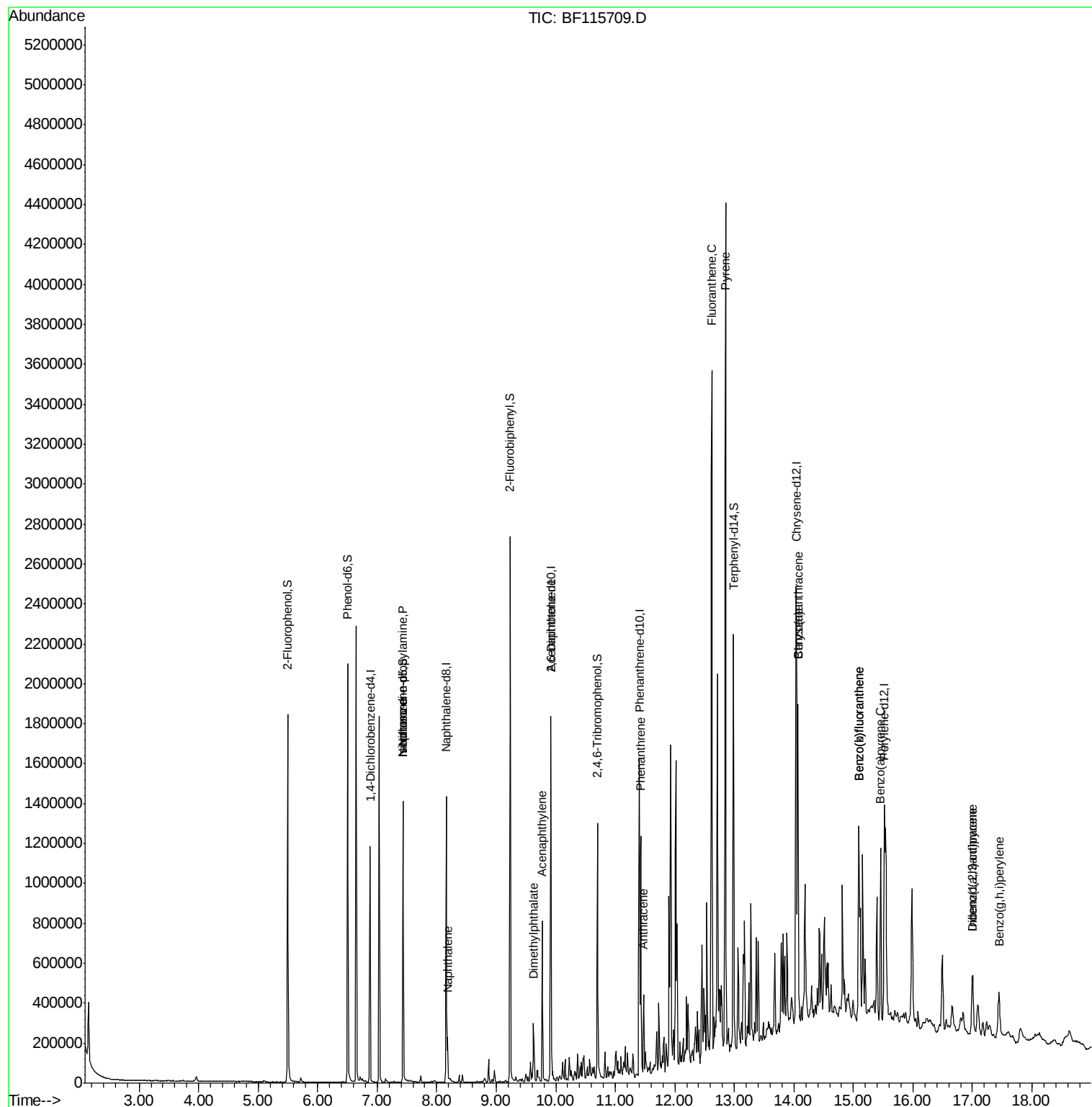
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	58457	6.602	ng	# 78
25) Isophorone	7.43	82	442841	19.316	ng	# 64
31) Naphthalene	8.18	128	83967	2.602	ng	96
49) Acenaphthylene	9.77	152	305620	9.039	ng	96
50) Dimethylphthalate	9.62	163	109646	4.157	ng	99
51) 2,6-Dinitrotoluene	9.92	165	45391	7.573	ng	# 27
71) Phenanthrene	11.43	178	437844	14.549	ng	95
72) Anthracene	11.47	178	156855	5.043	ng	97
75) Fluoranthene	12.62	202	1342259	42.207	ng	99
78) Pyrene	12.85	202	1876084	60.157	ng	99
81) Benzo(a)anthracene	14.07	228	575425	23.729	ng	98
83) Chrysene	14.07	228	575425	23.638	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	204925	9.908	ng	95
88) Benzo(b)fluoranthene	15.09	252	701954	22.579	ng	98
89) Benzo(k)fluoranthene	15.09	252	701954	25.326	ng	98
90) Benzo(a)pyrene	15.46	252	343314	12.848	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	57836	2.466	ng	97
92) Benzo(g,h,i)perylene	17.44	276	181393	7.753	ng	98

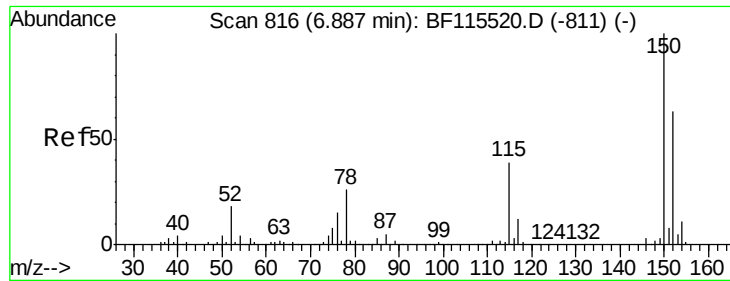
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 12 14:03:52 2019
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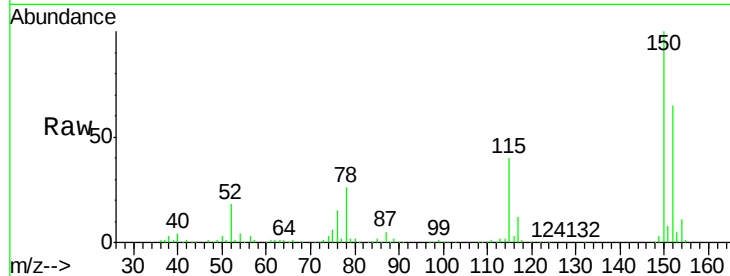


#1

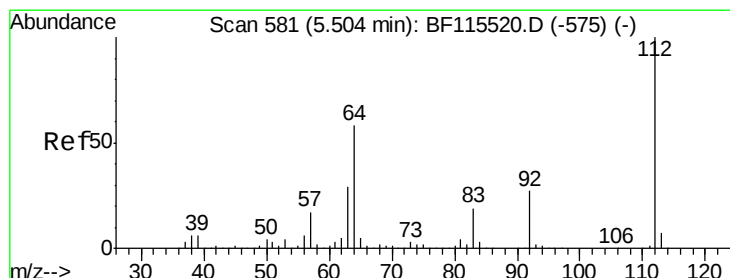
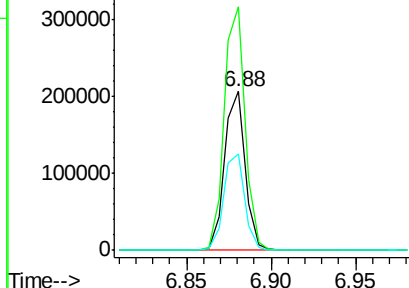
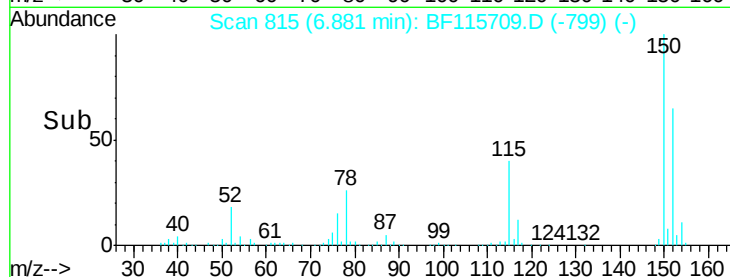
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175017
Ion Ratio Lower Upper
152 100
150 153.0 129.7 194.5
115 60.6 48.2 72.4



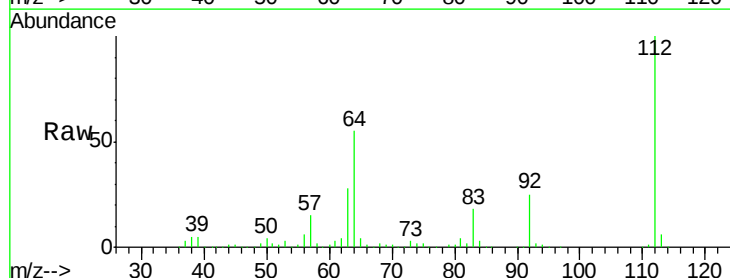
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



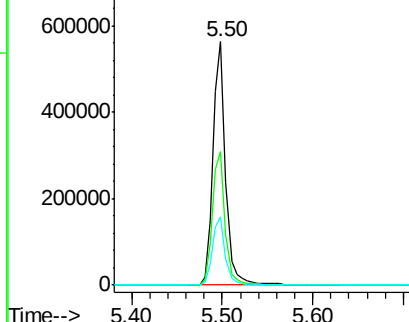
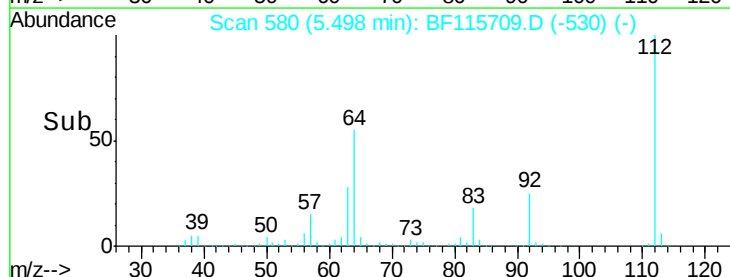
#5

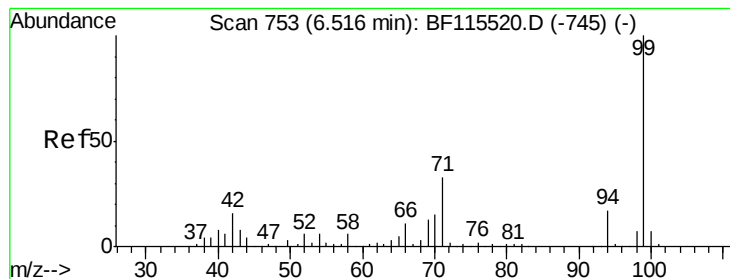
2-Fluorophenol
Concen: 51.156 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion:112 Resp: 547353
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 28.2 24.1 36.1



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: 53.139 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

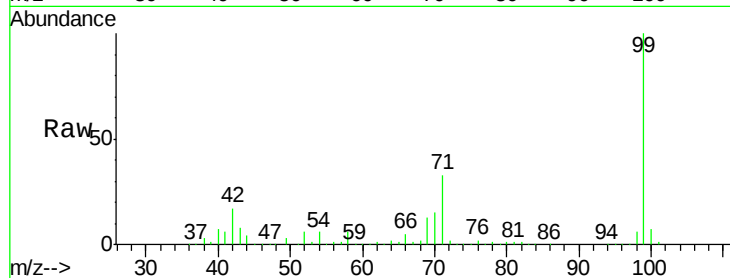
Tot Ion: 99 Resp: 721449

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

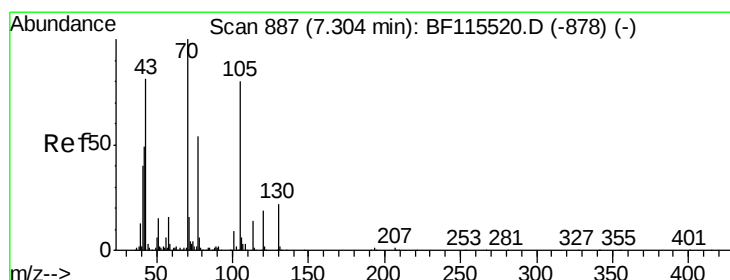
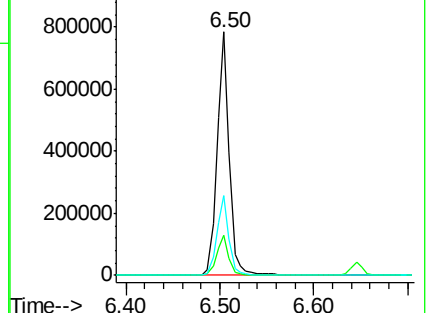
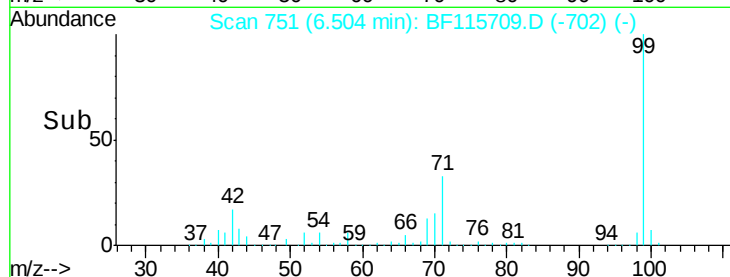
71 32.5 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.602 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Tgt Ion: 70 Resp: 58457

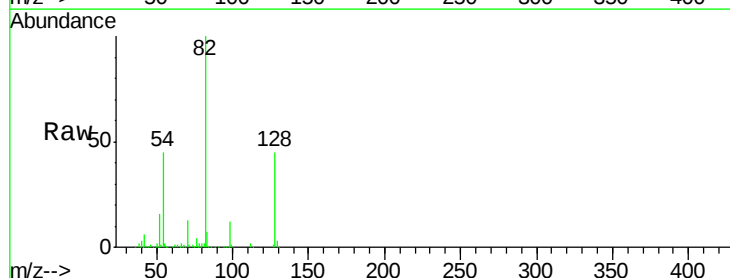
Ion Ratio Lower Upper

70 100

42 41.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#

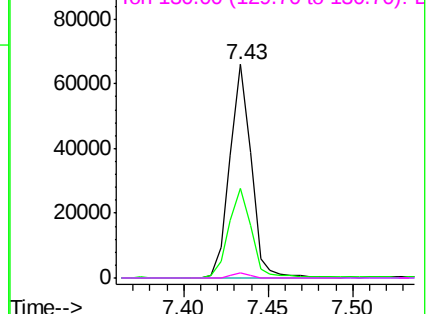
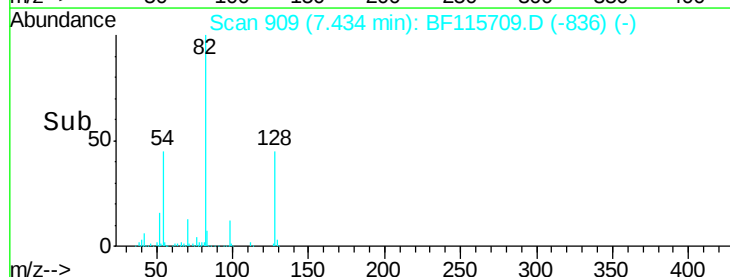


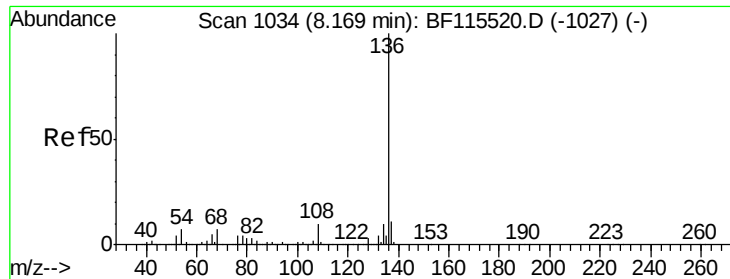
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 666215

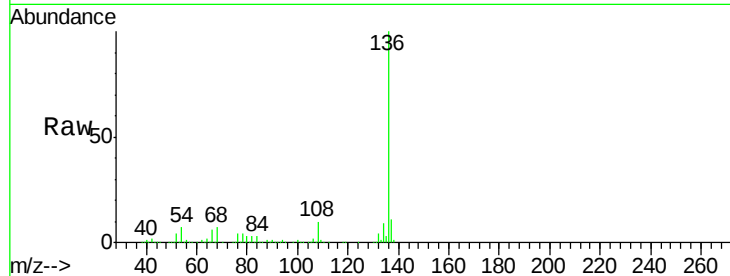
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.5 5.6 8.4

68 6.8 5.0 7.6

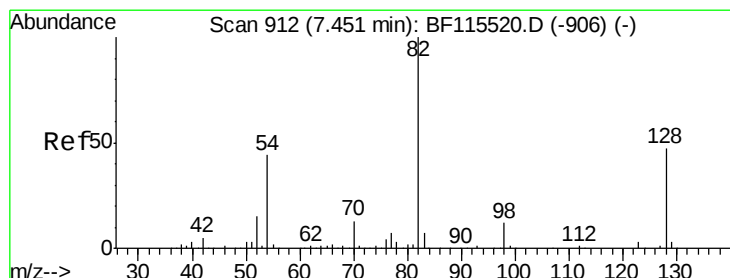
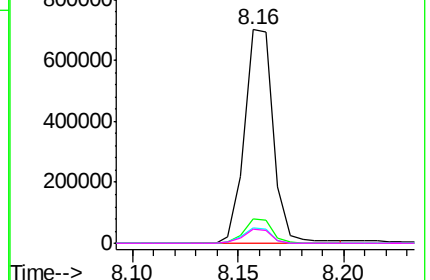
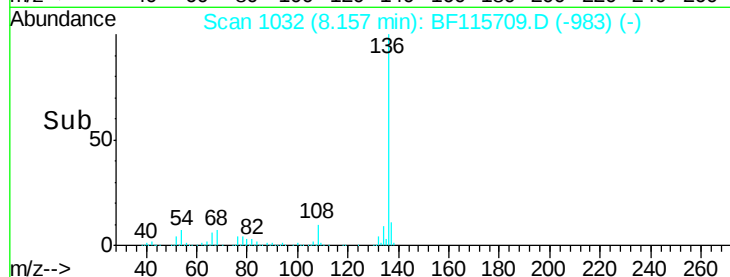


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 38.651 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

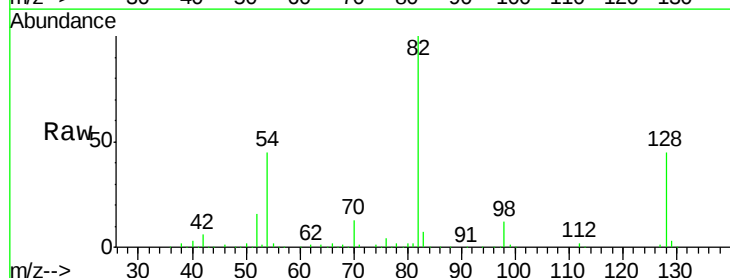
Tgt Ion: 82 Resp: 442848

Ion Ratio Lower Upper

82 100

128 45.0 38.6 57.8

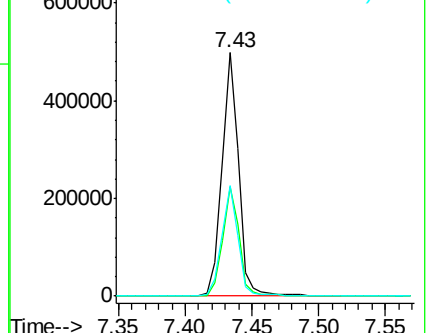
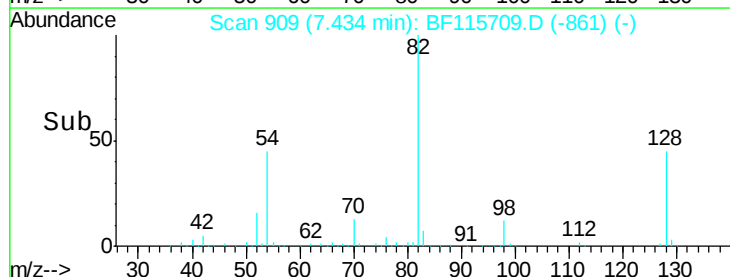
54 45.3 35.6 53.4

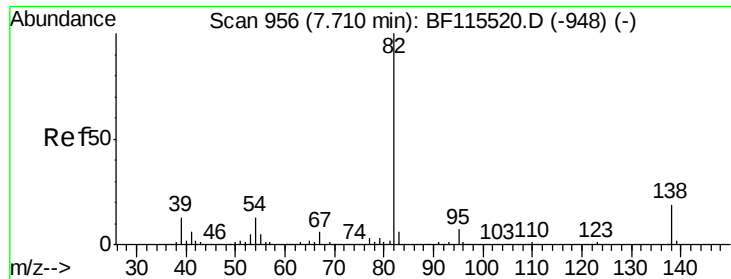


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.316 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

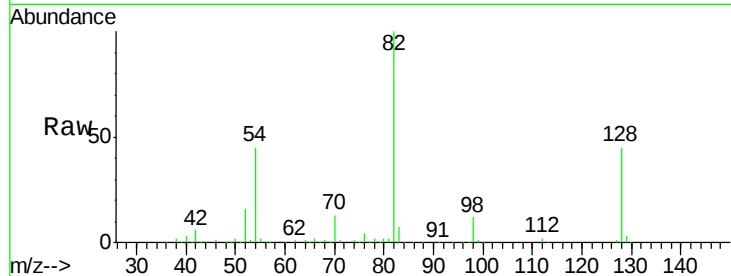
Tot Ion: 82 Resp: 442841

Ion Ratio Lower Upper

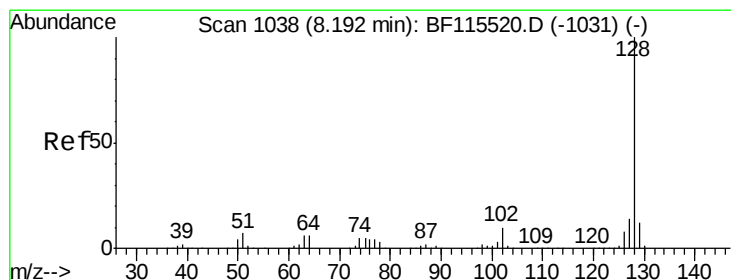
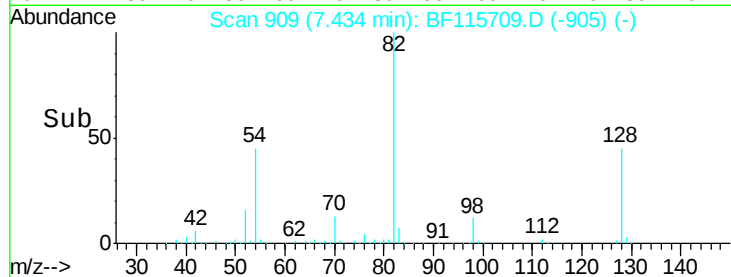
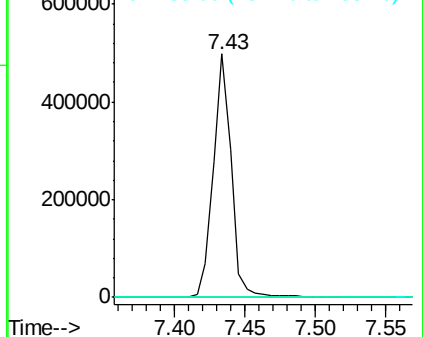
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.602 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

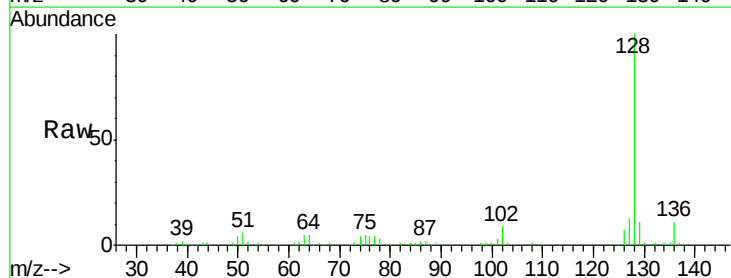
Tgt Ion: 128 Resp: 83967

Ion Ratio Lower Upper

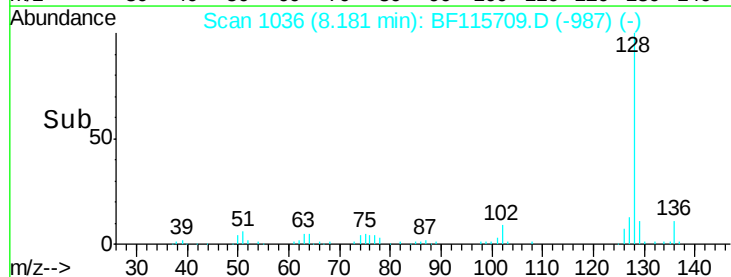
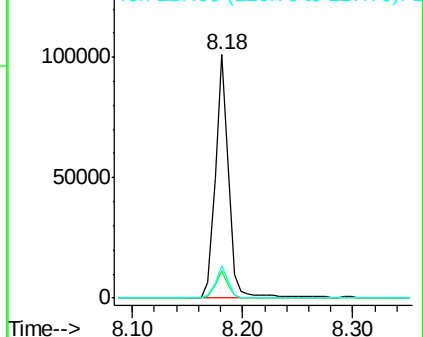
128 100

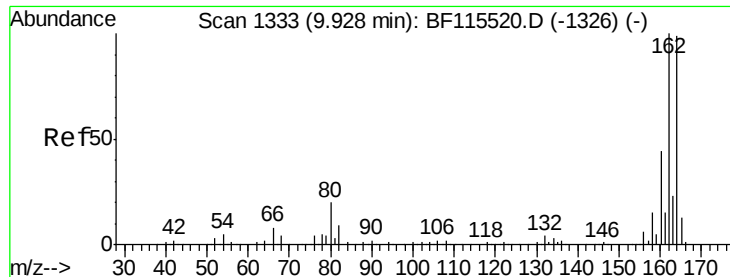
129 11.4 9.9 14.9

127 13.1 12.1 18.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

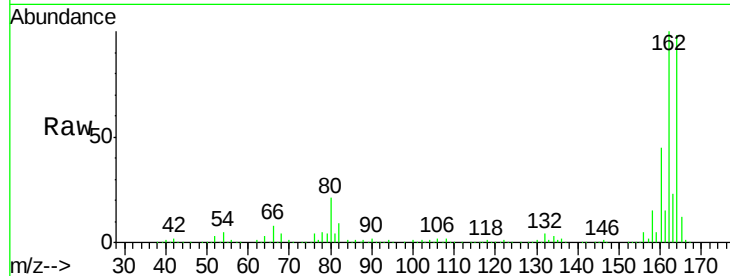




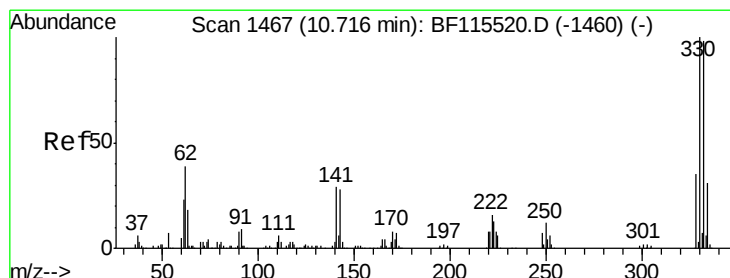
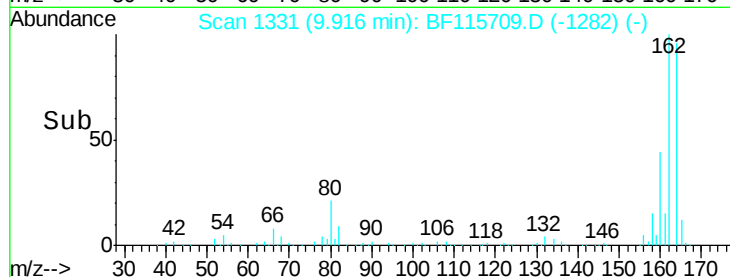
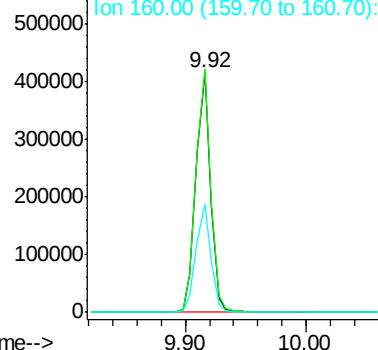
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 350552
Ion Ratio Lower Upper
164 100
162 101.7 82.9 124.3
160 45.3 36.8 55.2

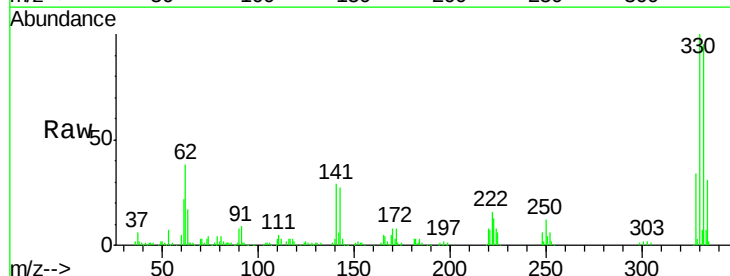


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

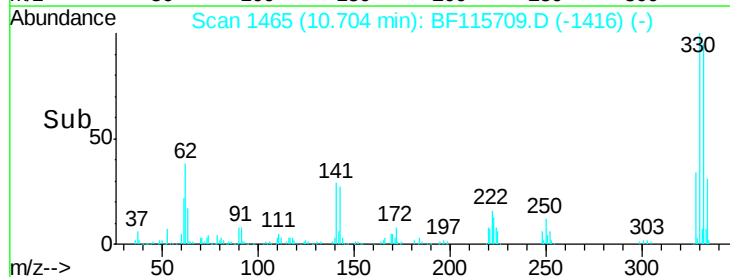
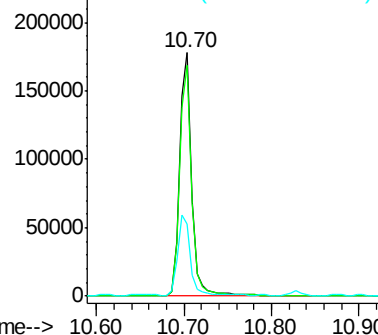


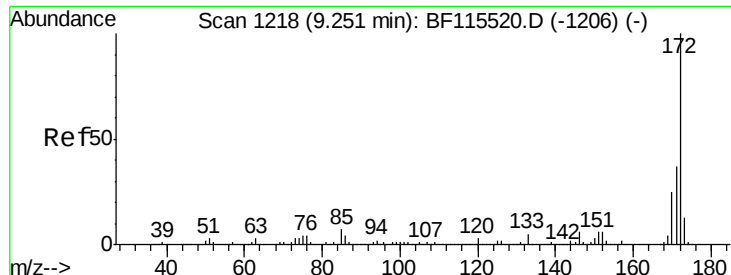
#42
2,4,6-Tribromophenol
Concen: 41.736 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion:330 Resp: 170773
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.2
141 34.2 22.4 33.6#



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

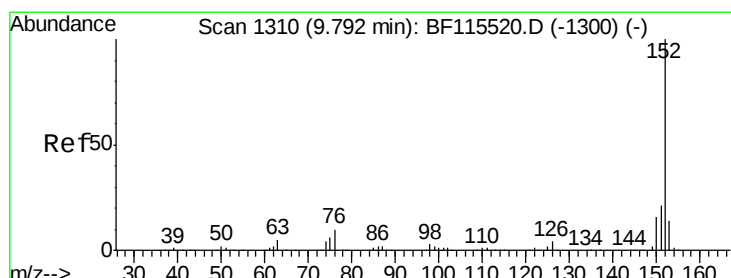
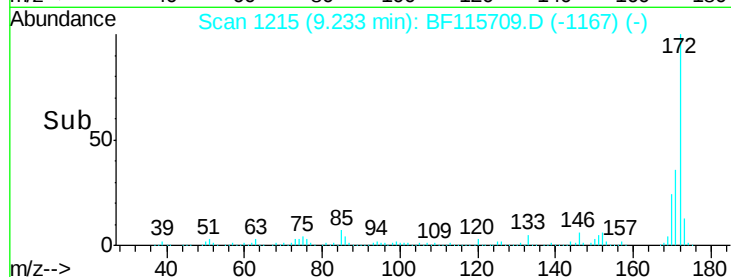
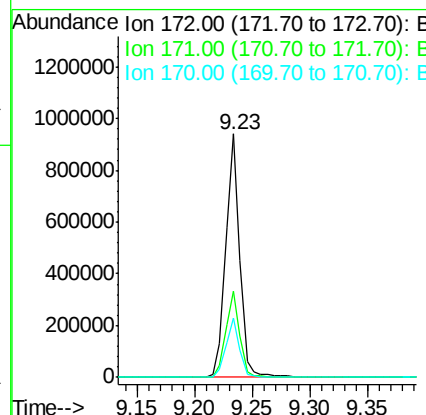
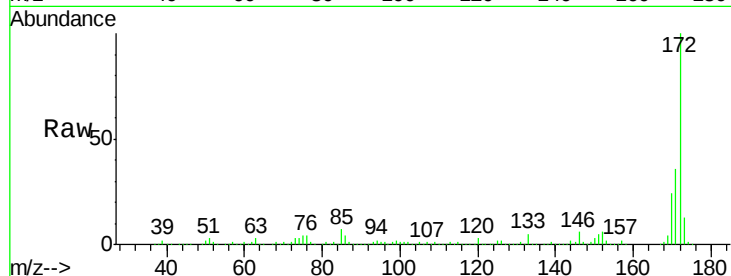




#45
2-Fluorobiphenyl
Concen: 39.836 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

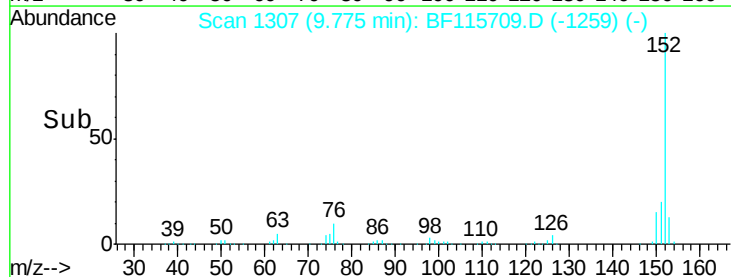
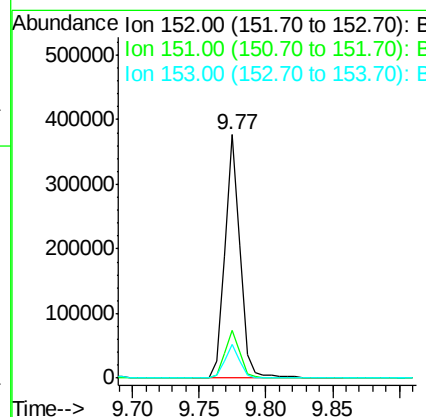
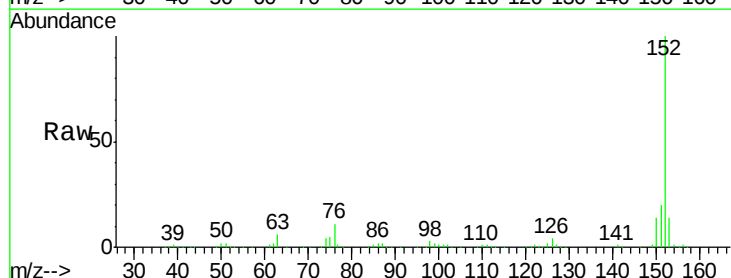
Instrument :
BNA_F
ClientSampleId :

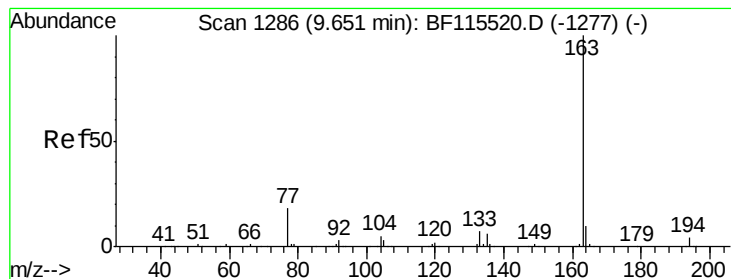
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	24.2	20.5	30.7



#49
Acenaphthylene
Concen: 9.039 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.7	26.5
153	13.6	12.0	18.0





#50

Dimethylphthalate

Concen: 4.157 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

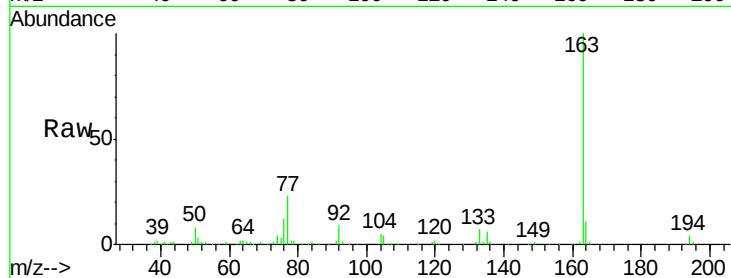
Tot Ion:163 Resp: 109646

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

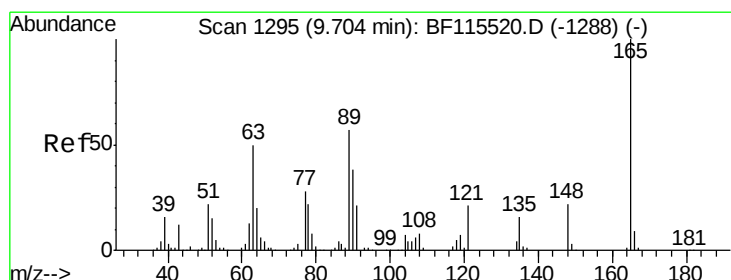
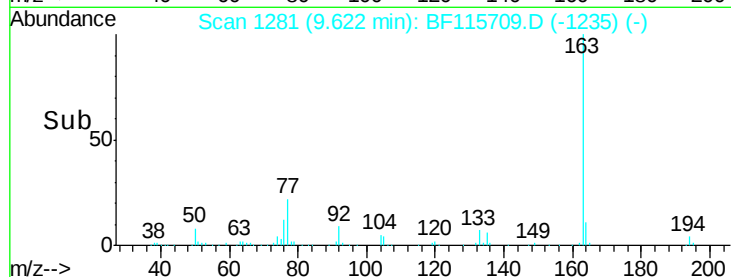
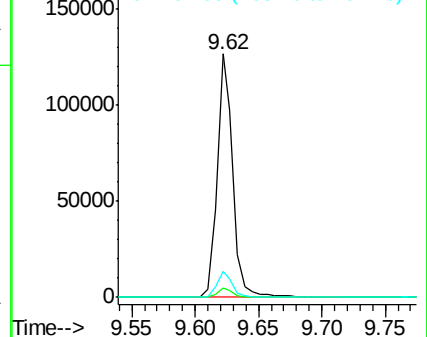
164 10.6 8.7 13.1



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: 7.573 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

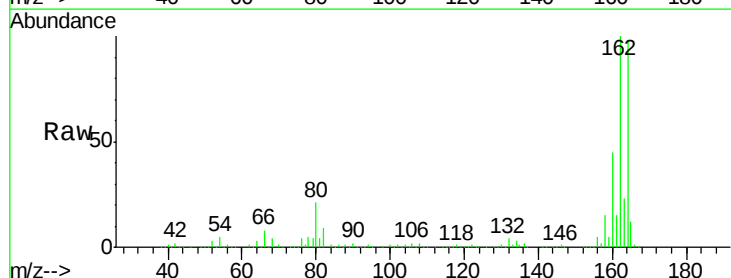
Tgt Ion:165 Resp: 45391

Ion Ratio Lower Upper

165 100

63 1.1 40.6 61.0#

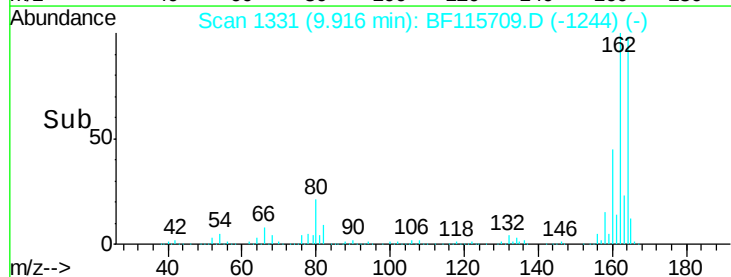
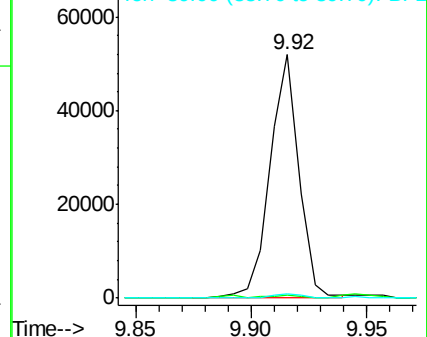
89 1.6 43.9 65.9#

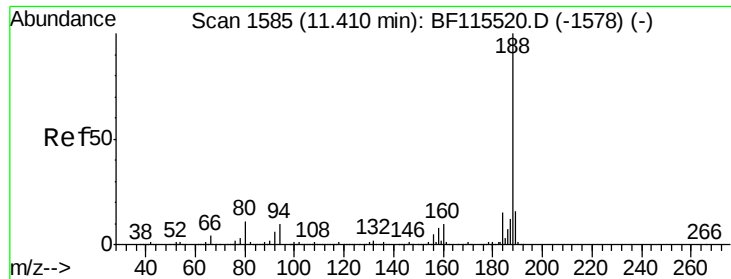


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

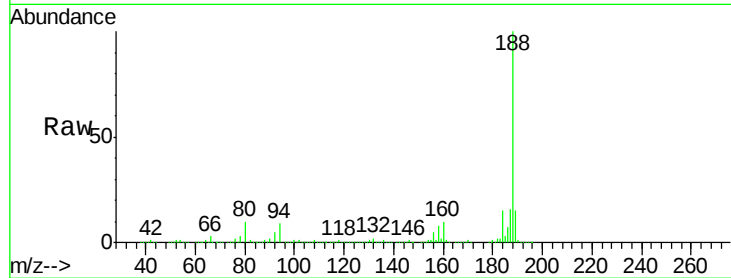
Tot Ion:188 Resp: 587101

Ion Ratio Lower Upper

188 100

94 9.1 7.8 11.6

80 9.7 8.6 13.0



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

800000

600000

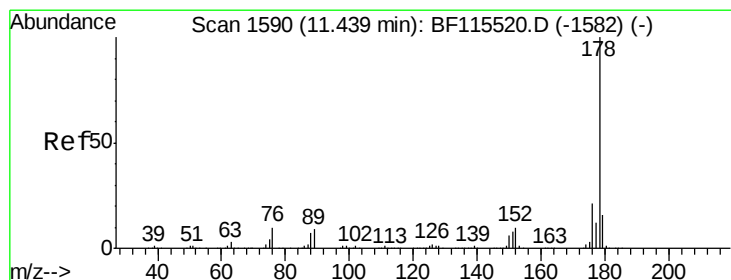
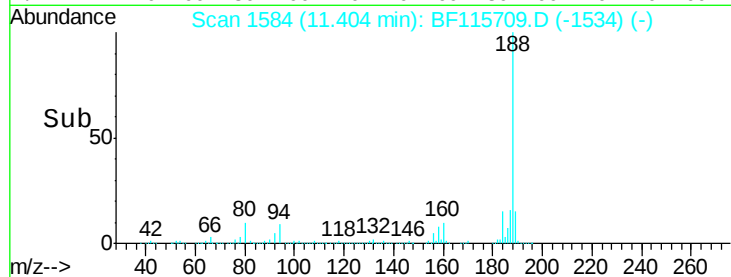
400000

200000

0

11.35 11.40 11.45

Time-->



#71

Phenanthrene

Concen: 14.549 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

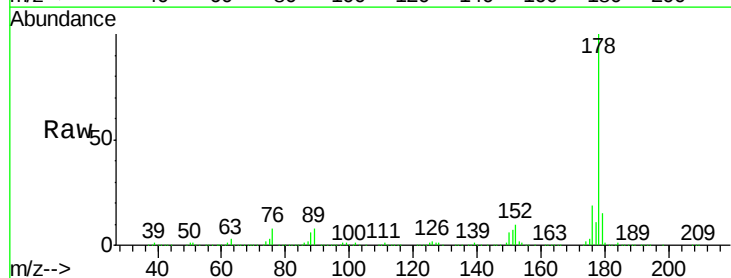
Tgt Ion:178 Resp: 437844

Ion Ratio Lower Upper

178 100

176 19.1 17.2 25.8

179 15.2 13.5 20.3



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

600000

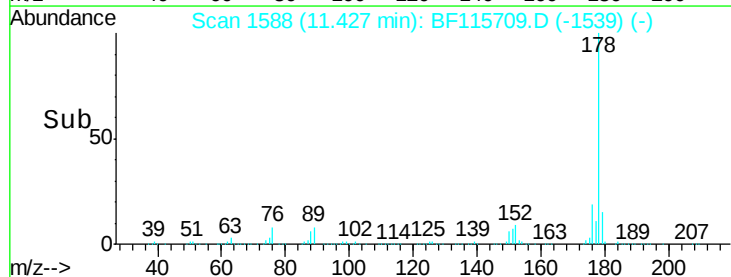
400000

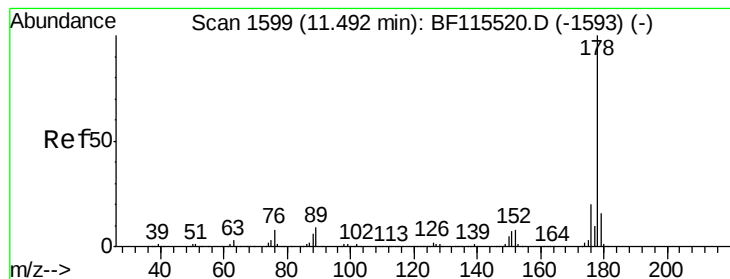
200000

0

11.35 11.40 11.45

Time-->





#72

Anthracene

Concen: 5.043 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

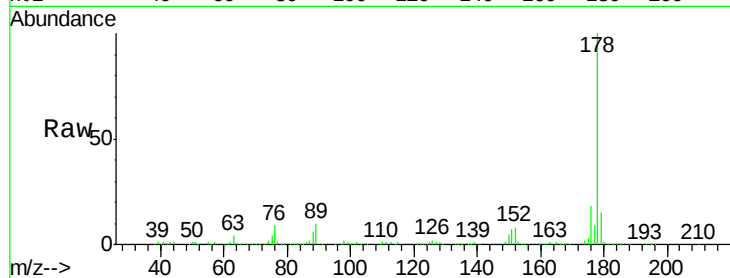
Tot Ion:178 Resp: 156855

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

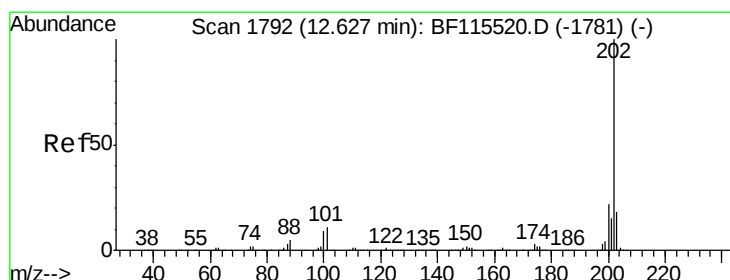
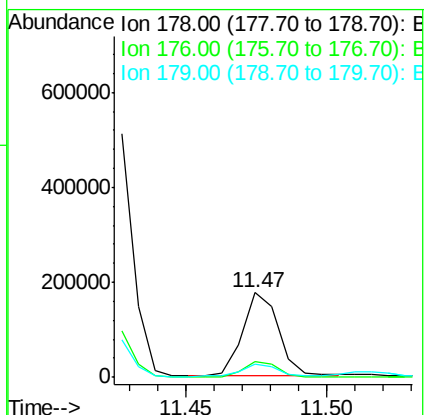
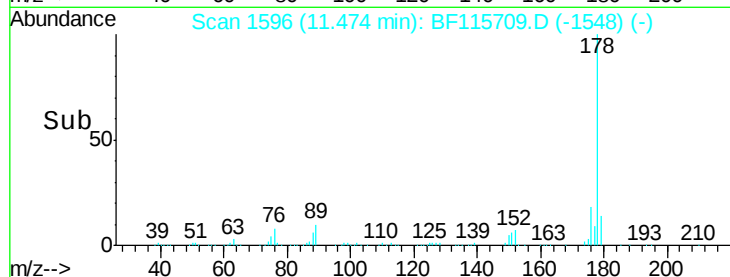
179 14.9 12.7 19.1



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: 42.207 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

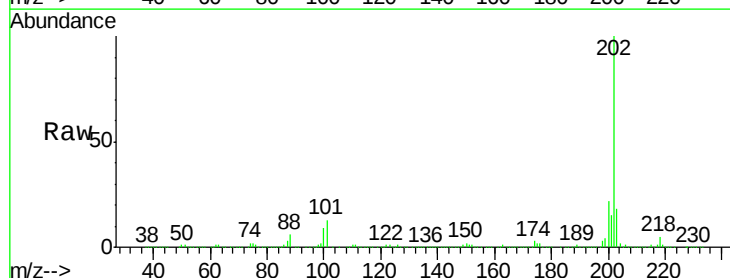
Tgt Ion:202 Resp: 1342259

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

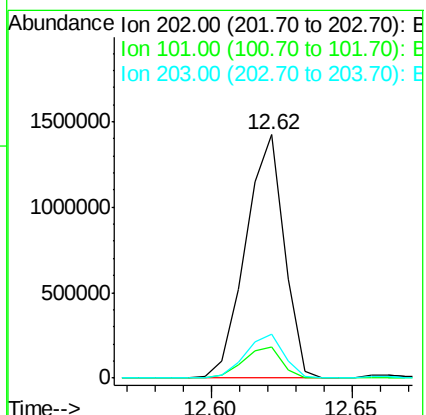
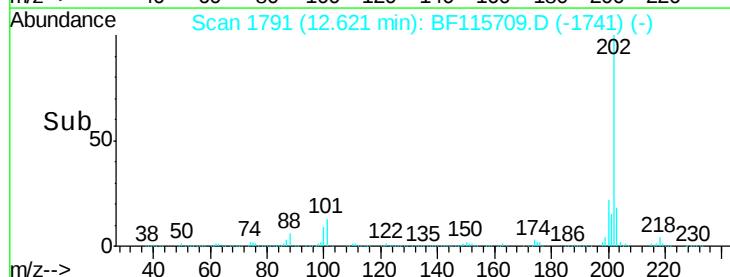
203 18.2 0.0 38.1

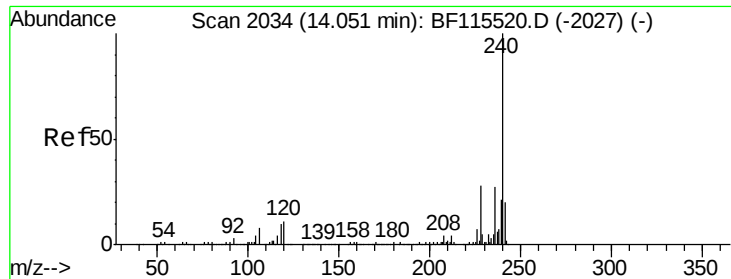


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

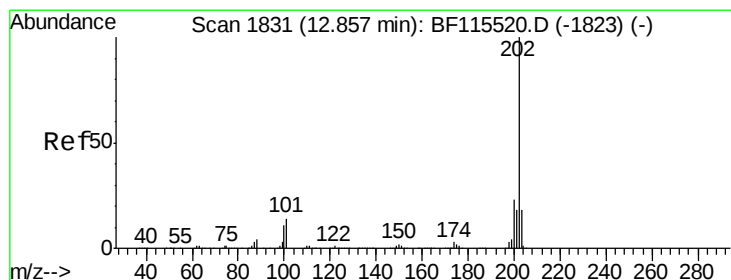
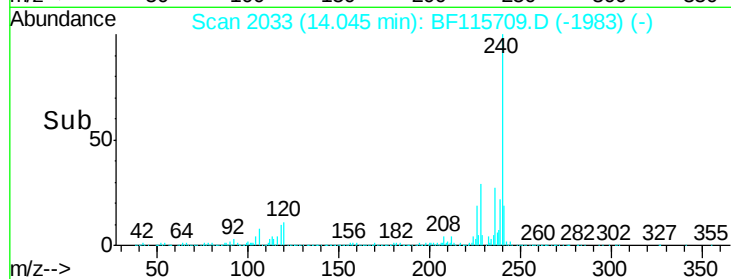
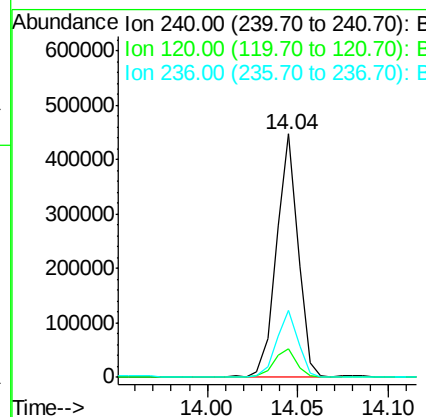
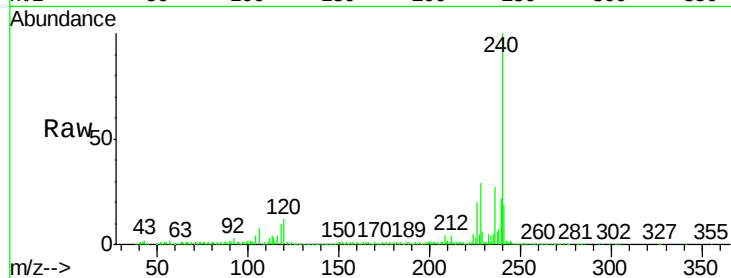




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

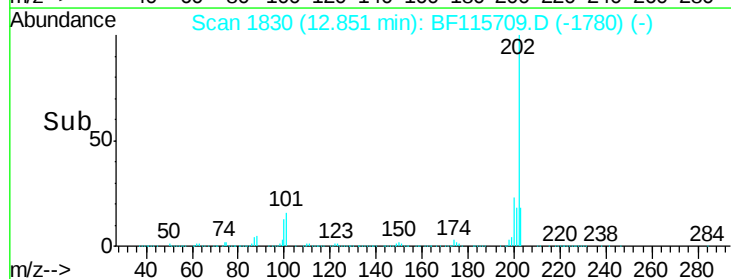
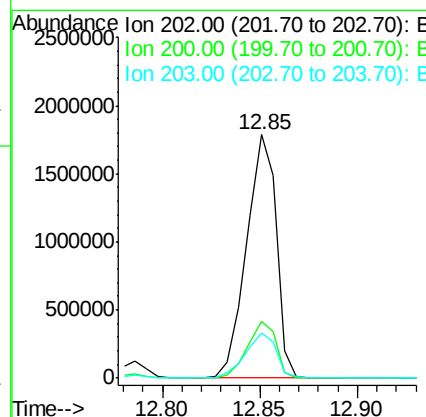
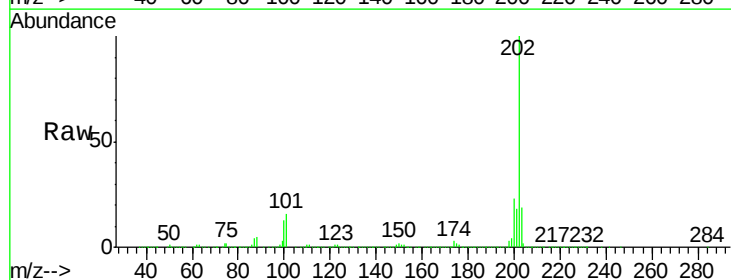
Instrument :
BNA_F
ClientSampleId :

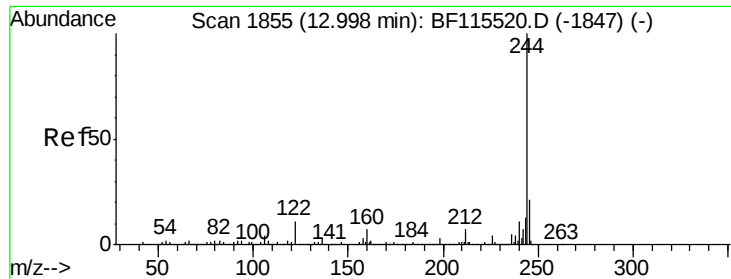
Tot Ion:240 Resp: 368093
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 27.4 21.3 31.9



#78
Pyrene
Concen: 60.157 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion:202 Resp: 1876084
Ion Ratio Lower Upper
202 100
200 23.3 18.7 28.1
203 18.6 15.2 22.8





#79

Terphenyl-d14

Concen: 33.985 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

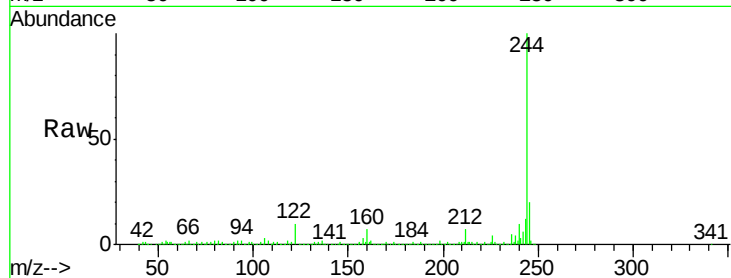
Tot Ion:244 Resp: 677963

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

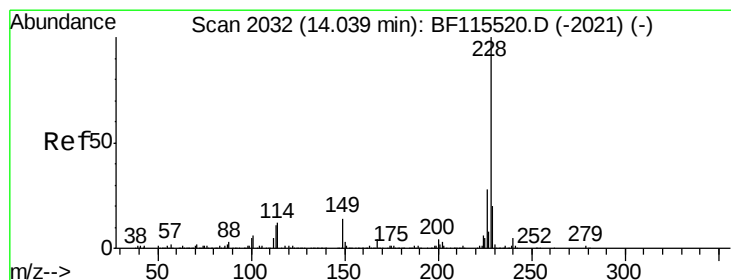
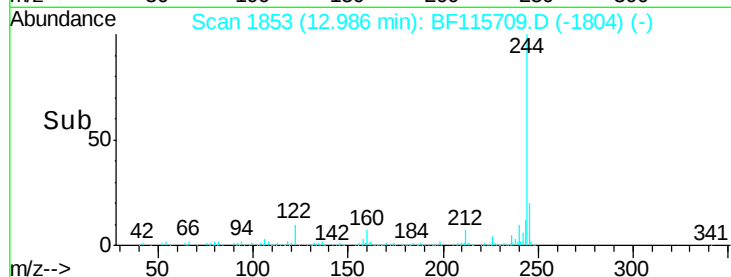
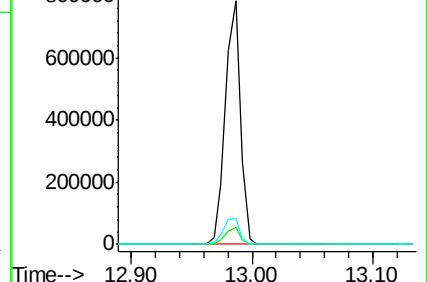
122 10.4 8.6 12.8



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: 23.729 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

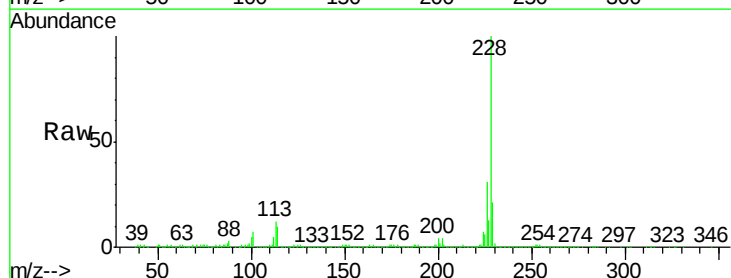
Tgt Ion:228 Resp: 575425

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

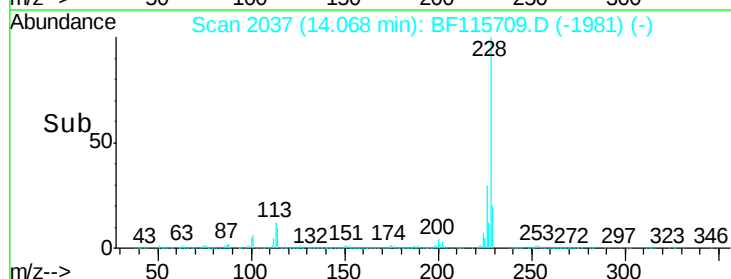
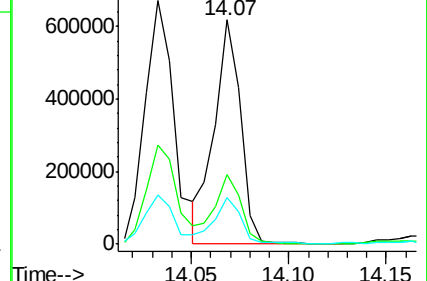
229 20.8 17.2 25.8

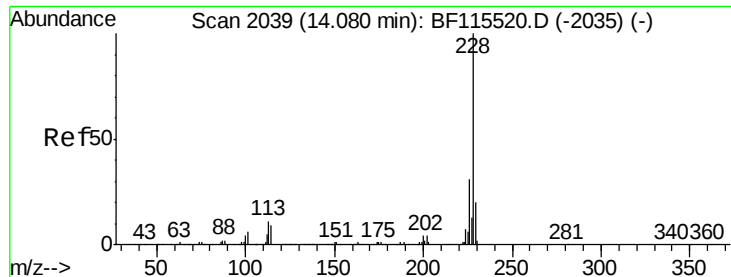


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

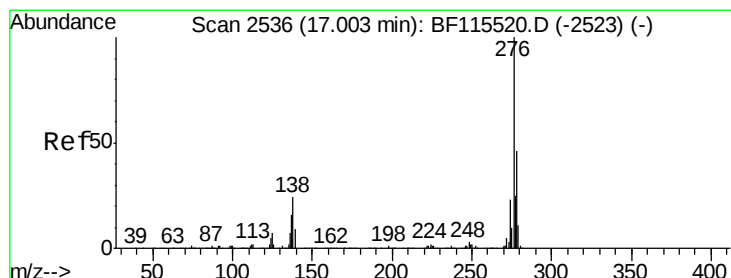
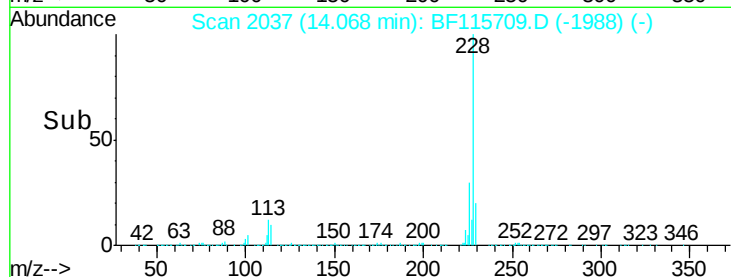
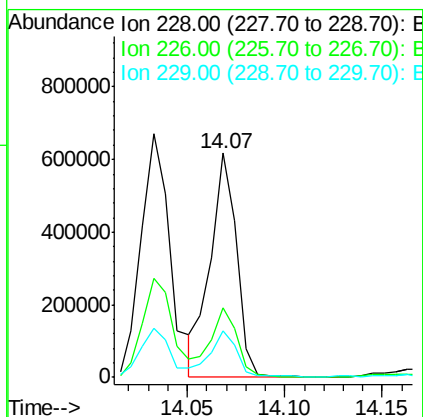
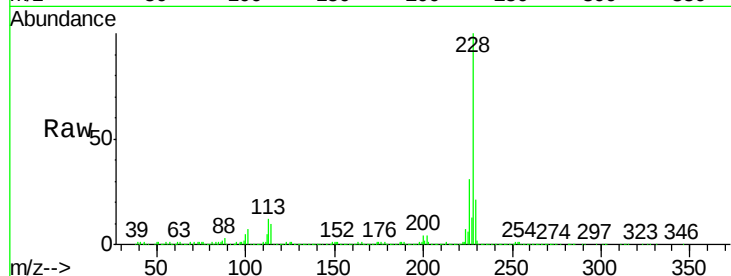




#83
Chrysene
Concen: 23.638 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

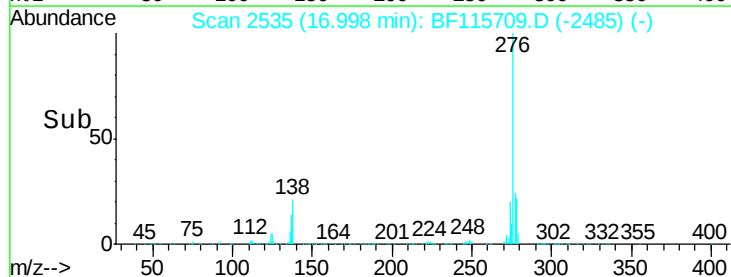
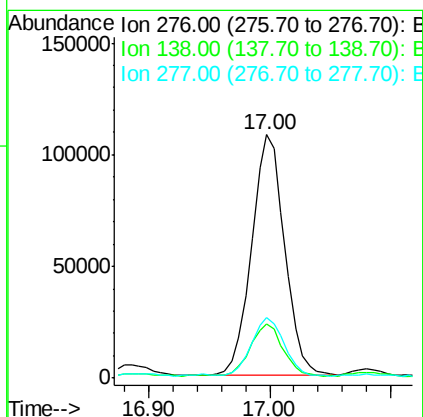
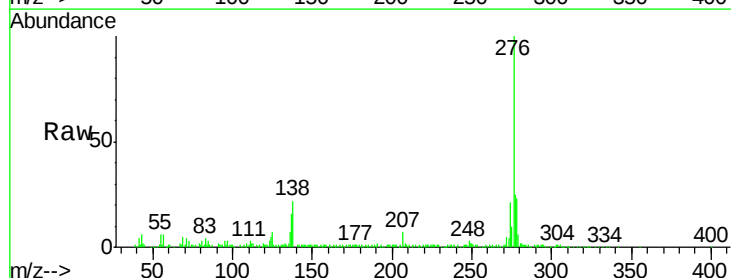
Instrument :
BNA_F
ClientSampled :

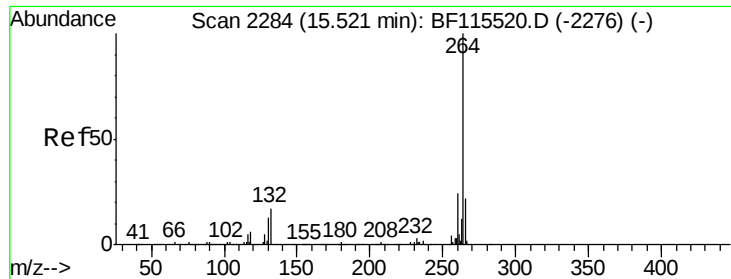
Tot Ion:228 Resp: 575425
Ion Ratio Lower Upper
228 100
226 30.9 25.7 38.5
229 20.8 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.908 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion:276 Resp: 204925
Ion Ratio Lower Upper
276 100
138 21.3 20.2 30.2
277 24.0 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Instrument :

BNA_F

ClientSampleId :

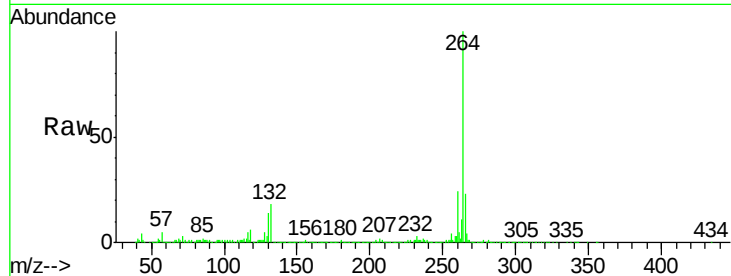
Tot Ion:264 Resp: 482804

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

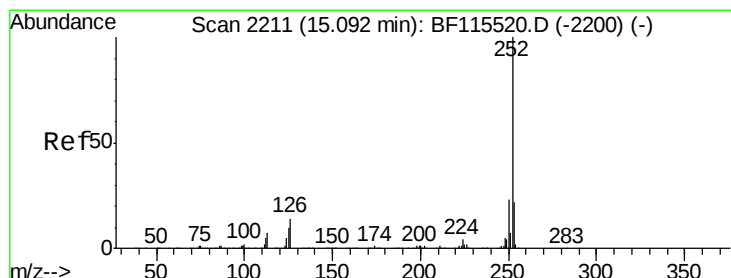
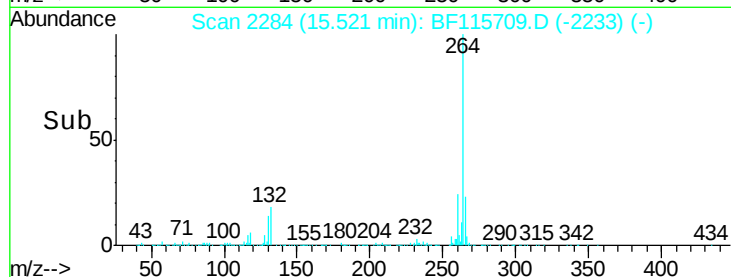
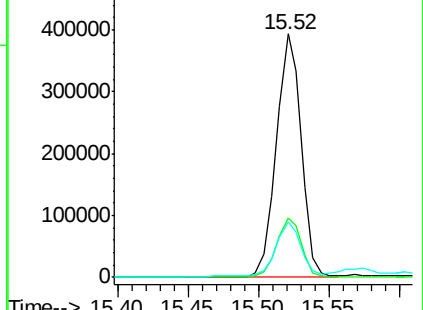
265 22.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 22.579 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

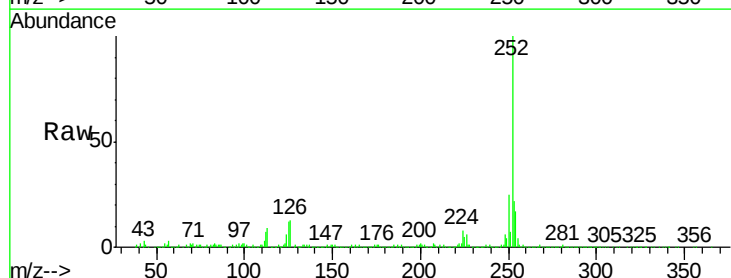
Tgt Ion:252 Resp: 701954

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

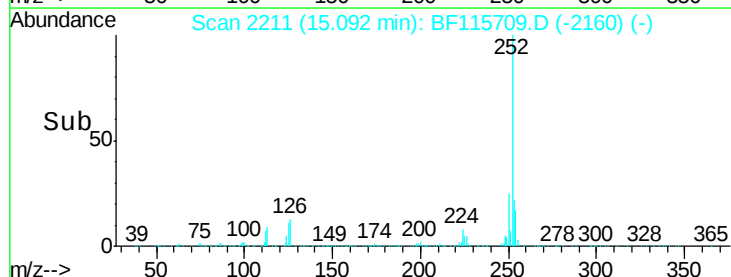
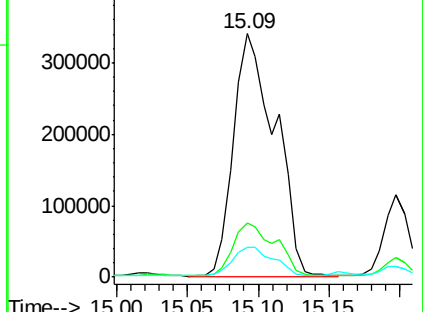
125 12.1 9.0 13.4

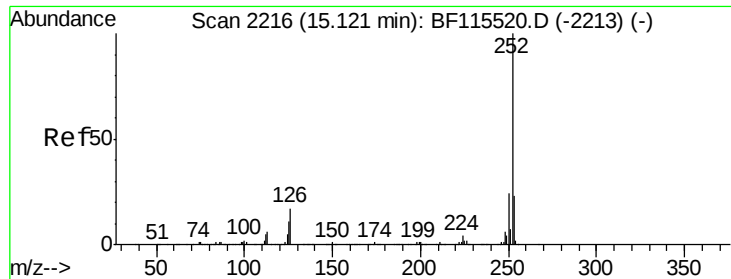


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

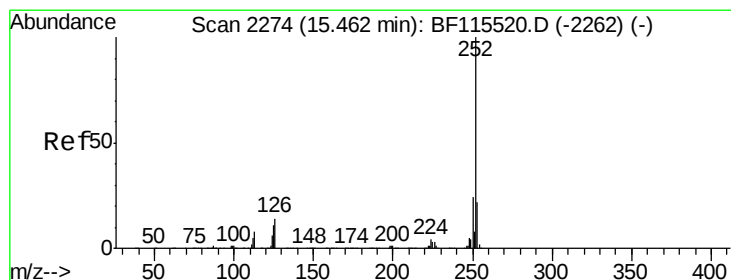
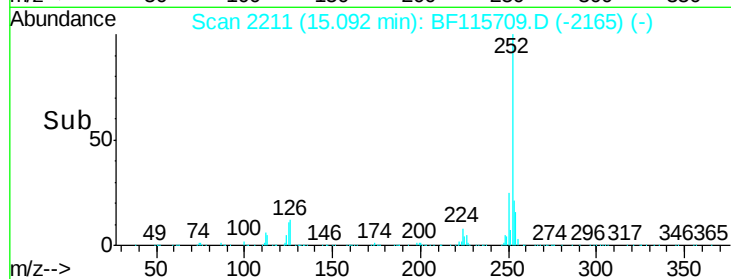
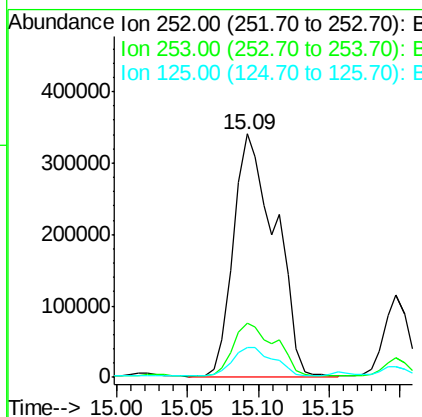
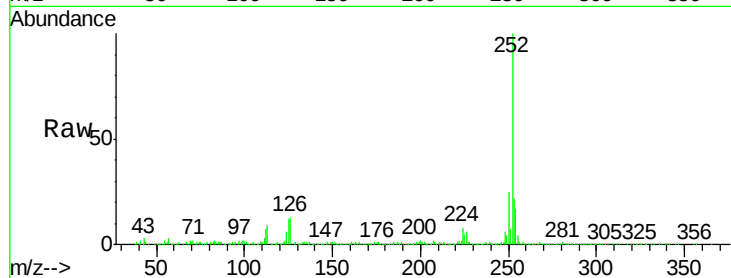




#89
Benzo(k)fluoranthene
Concen: 25.326 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

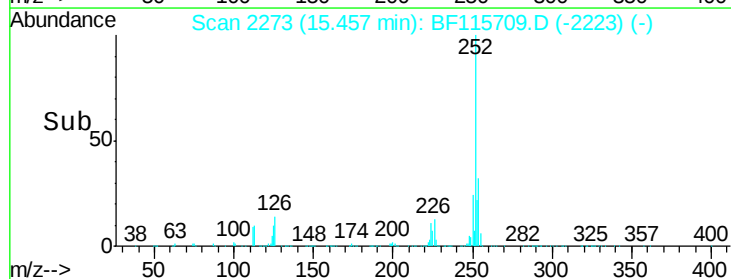
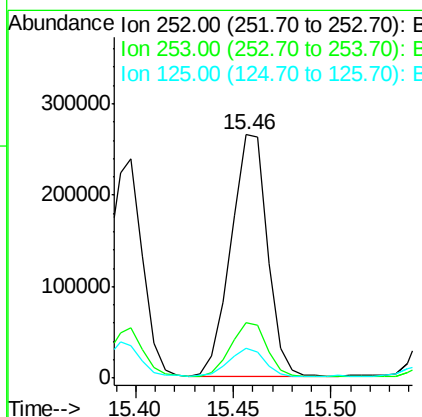
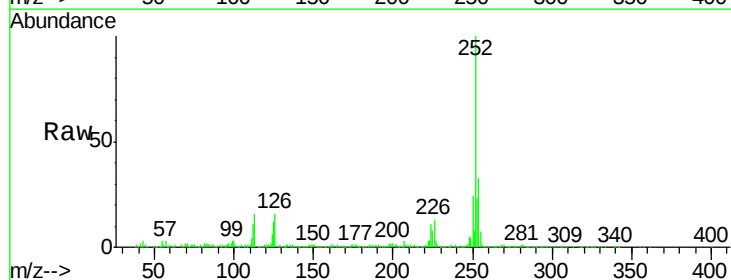
Instrument :
BNA_F
ClientSampleId :

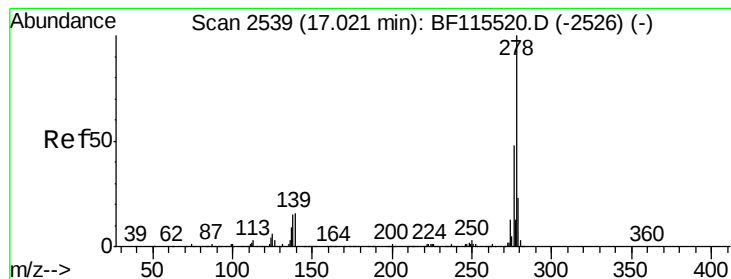
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	12.1	9.0	13.6



#90
Benzo(a)pyrene
Concen: 12.848 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115709.D
Acq: 22 Jul 2019 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.2	9.1	13.7





#91

Dibenzo(a,h)anthracene

Concen: 2.466 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

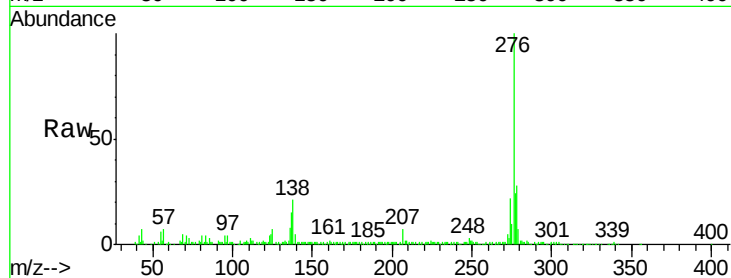
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 57836

Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.1	19.7
279	24.3	19.6	29.4

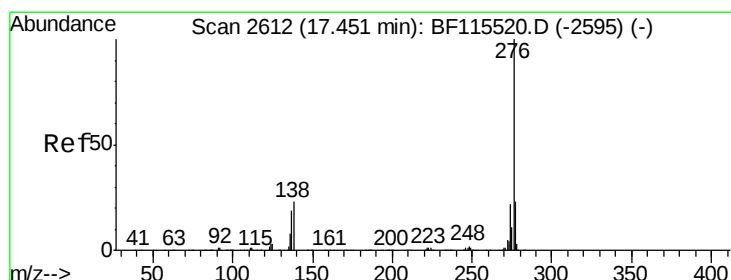
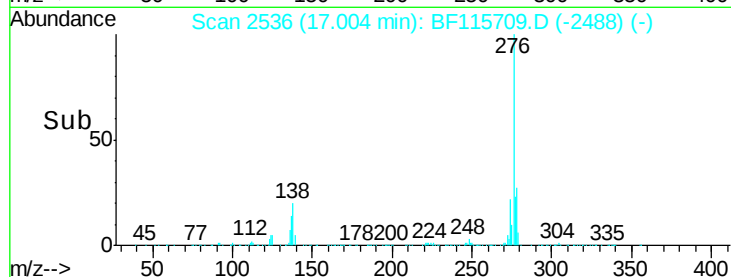
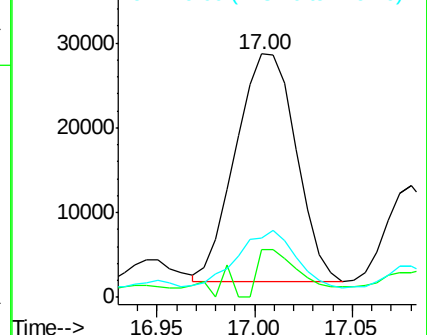


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.753 ng

RT: 17.44 min Scan# 2611

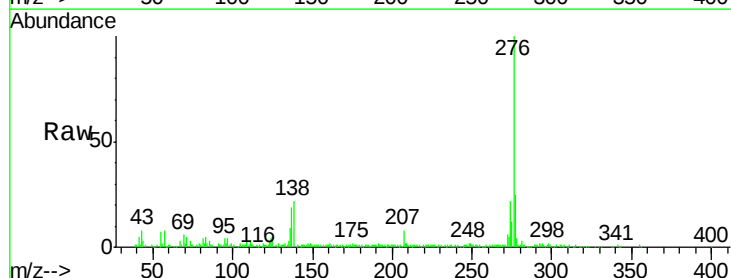
Delta R.T. -0.01 min

Lab File: BF115709.D

Acq: 22 Jul 2019 15:12

Tgt Ion:276 Resp: 181393

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	22.5	17.2	25.8



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

