

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115956.D
 Acq On : 2 Aug 2019 19:38
 Operator : HP/JU
 Sample : K4130-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Quant Time: Aug 02 23:44:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134166	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	530423	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	288983	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	536720	20.00	ng	0.00
76) Chrysene-d12	14.03	240	420403	20.00	ng	0.00
87) Perylene-d12	15.50	264	411852	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	782843	97.68	ng	0.00
7) Phenol-d6	6.49	99	1031753	102.04	ng	0.00
23) Nitrobenzene-d5	7.41	82	661692	72.01	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	282898	100.97	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1119291	72.55	ng	0.00
79) Terphenyl-d14	12.97	244	1366043	68.47	ng	0.00

Target Compounds

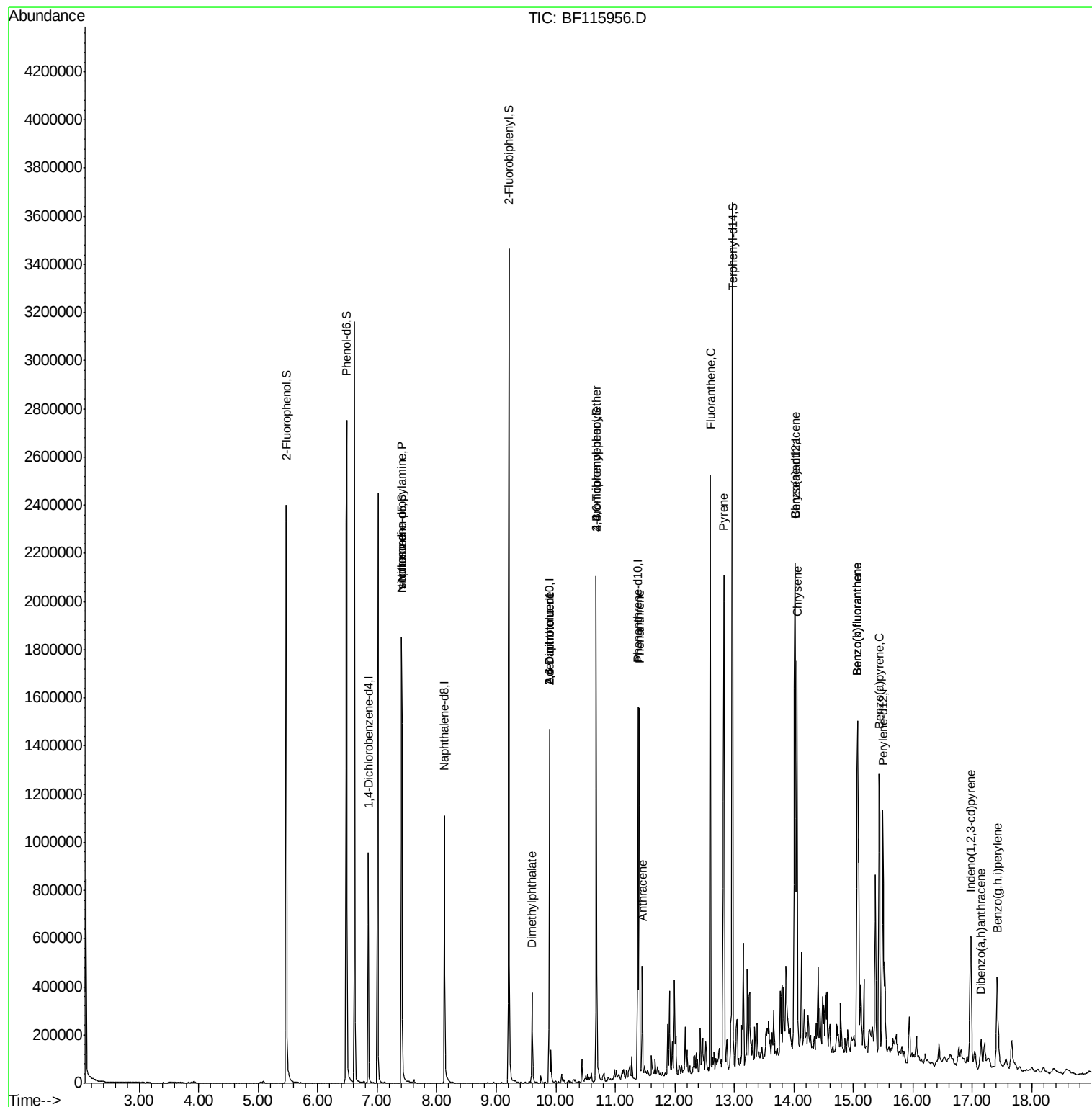
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	87950	14.036	ng	# 78
25) Isophorone	7.41	82	661689	37.658	ng	# 66
50) Dimethylphthalate	9.60	163	157833	8.021	ng	99
51) 2,6-Dinitrotoluene	9.89	165	37438	8.755	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	37438	6.576	ng	# 24
67) 4-Bromophenyl-phenylether	10.68	248	16818	2.927	ng	# 1
71) Phenanthrene	11.40	178	534232	19.470	ng	99
72) Anthracene	11.46	178	182051	6.556	ng	99
75) Fluoranthene	12.60	202	1004266	34.961	ng	100
78) Pyrene	12.83	202	915992	28.904	ng	99
81) Benzo(a)anthracene	14.02	228	694149	25.833	ng	99
83) Chrysene	14.05	228	550865	21.116	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	346412	15.810	ng	97
88) Benzo(b)fluoranthene	15.07	252	1062474	44.616	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	1062474	45.806	ng	100
90) Benzo(a)pyrene	15.43	252	556026	26.120	ng	97
91) Dibenzo(a,h)anthracene	17.14	278	76700	4.162	ng	97
92) Benzo(g,h,i)perylene	17.42	276	318297	17.589	ng	99

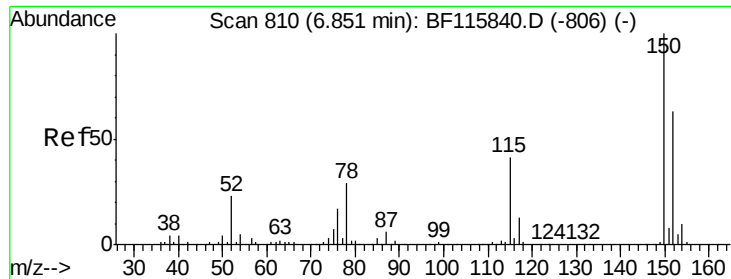
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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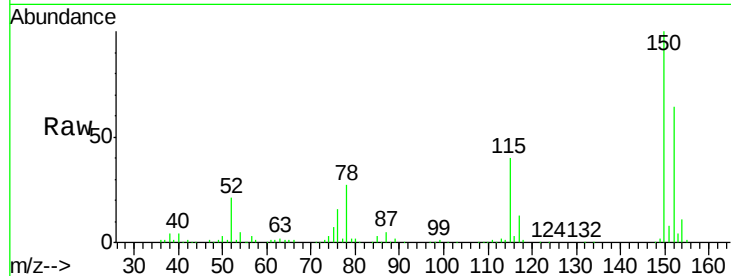


#1

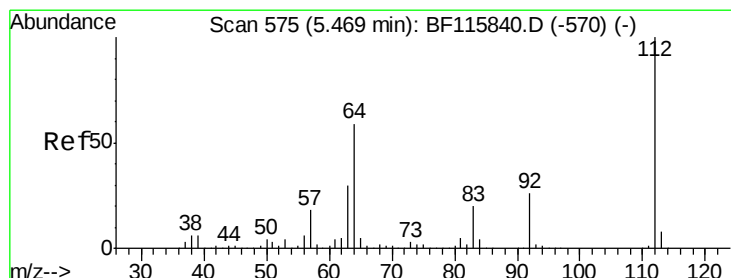
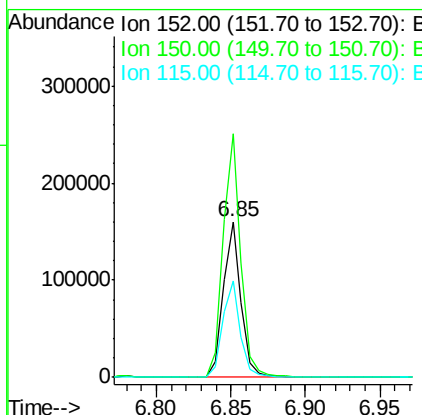
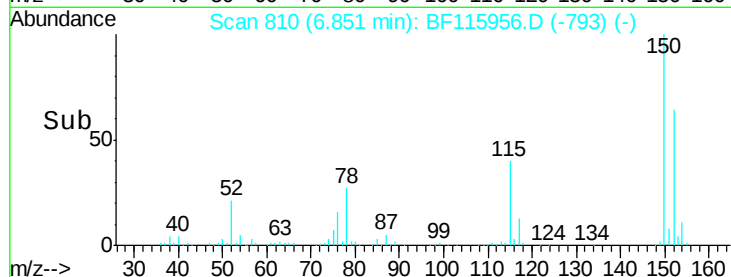
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:152 Resp: 134166
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.0
115 62.1 51.8 77.8



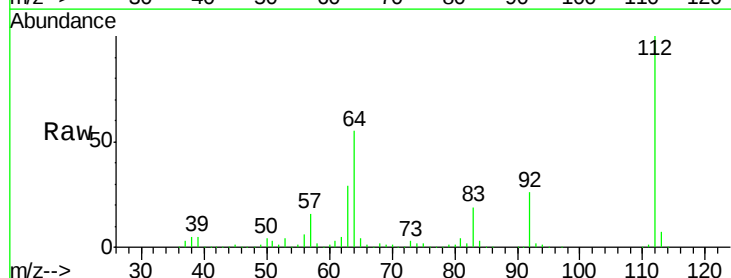
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



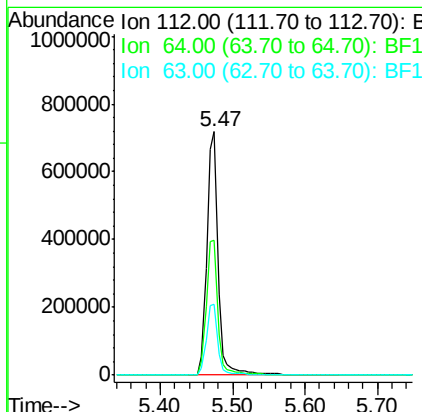
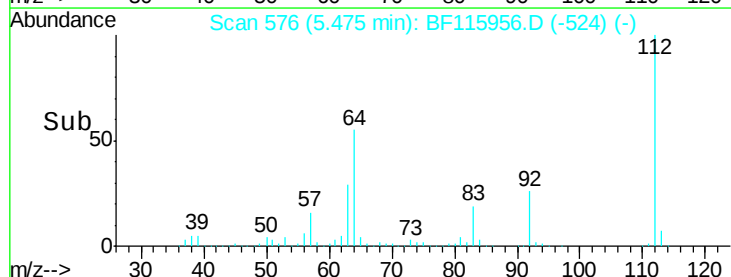
#5

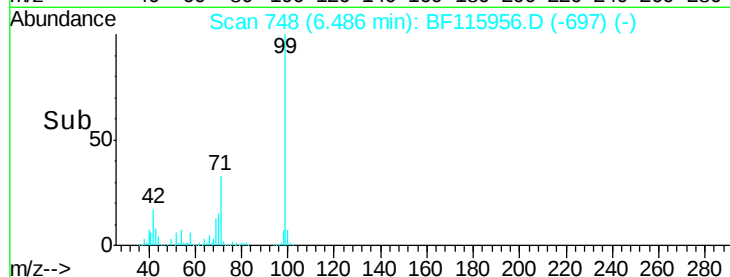
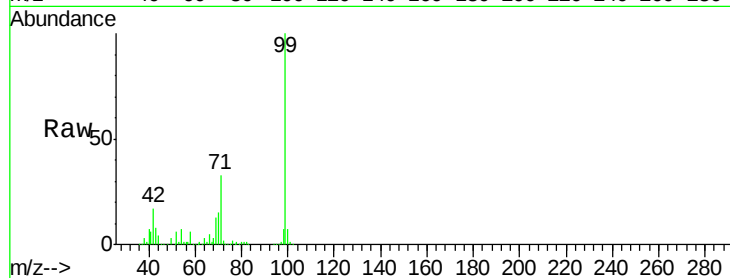
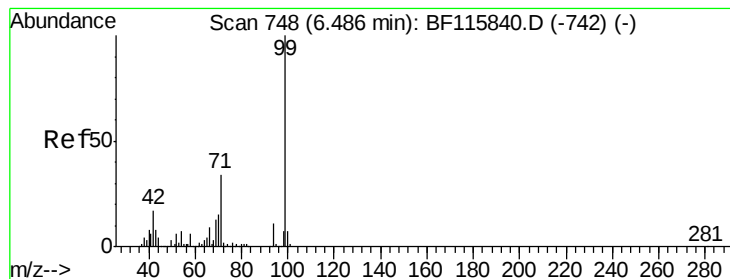
2-Fluorophenol
Concen: 97.680 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion:112 Resp: 782843
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 29.2 24.2 36.2



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: 102.037 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

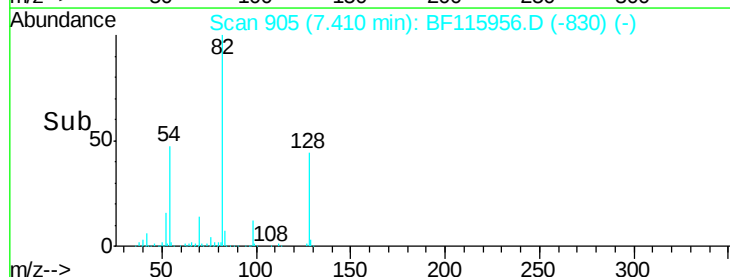
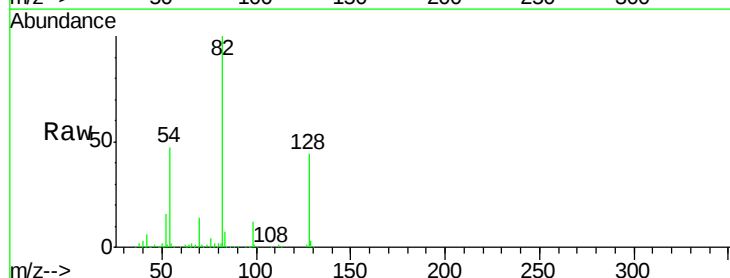
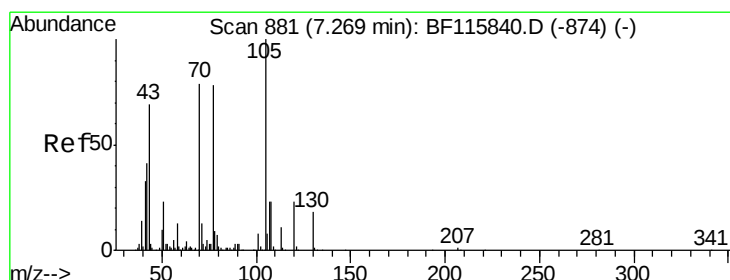
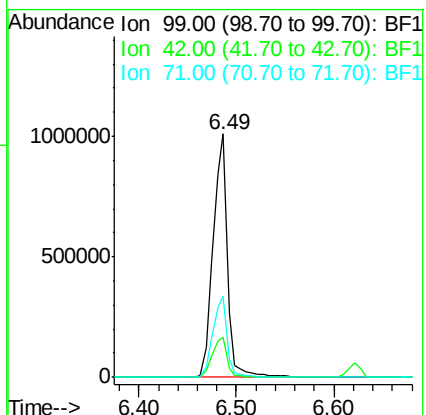
Tot Ion: 99 Resp: 1031753

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

71 33.4 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.036 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Tgt Ion: 70 Resp: 87950

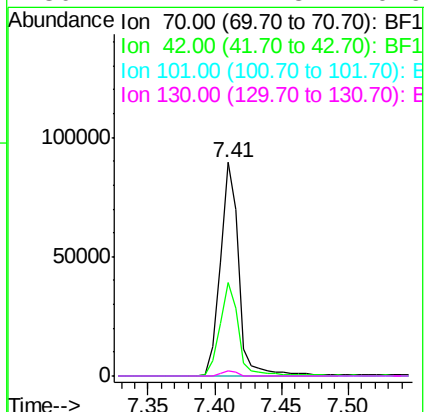
Ion Ratio Lower Upper

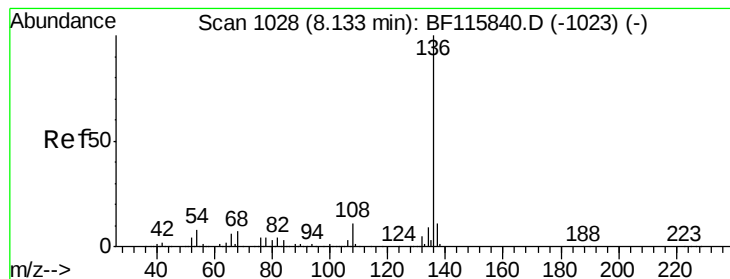
70 100

42 43.9 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

Tot Ion:136 Resp: 530423

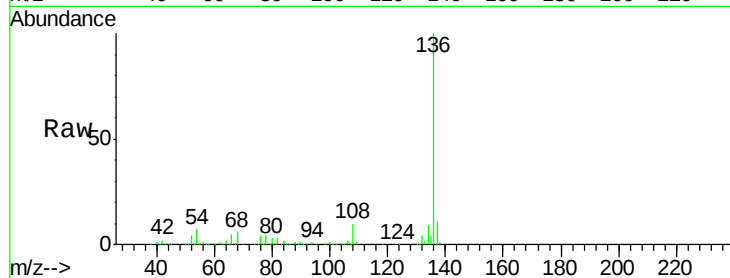
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 7.0 6.1 9.1

68 6.0 5.4 8.2

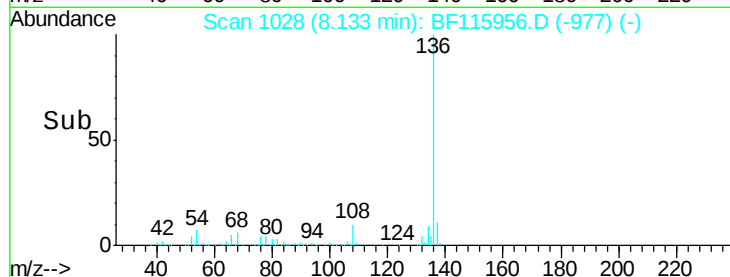


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

8.13

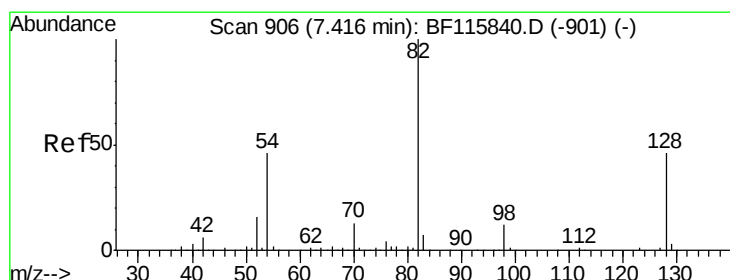
600000

400000

200000

0

8.00 8.10 8.20 8.30 8.40



#23

Nitrobenzene-d5

Concen: 72.008 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

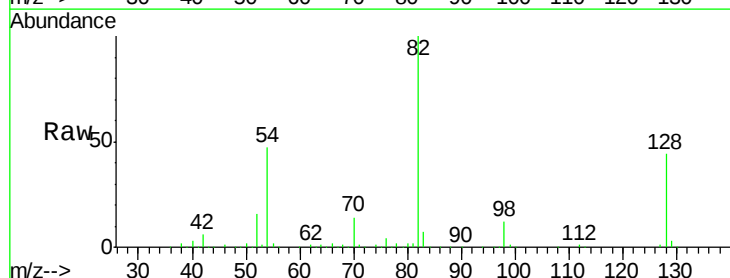
Tgt Ion: 82 Resp: 661692

Ion Ratio Lower Upper

82 100

128 44.2 36.6 55.0

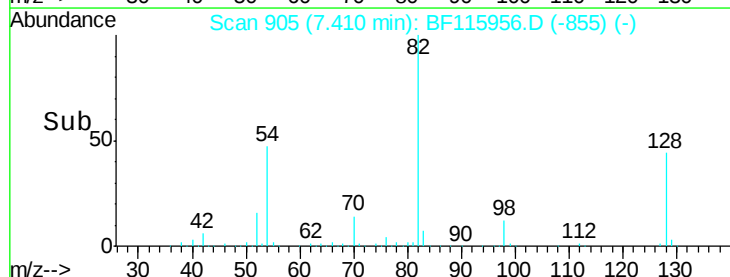
54 47.2 36.6 55.0



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



Time-->

7.41

800000

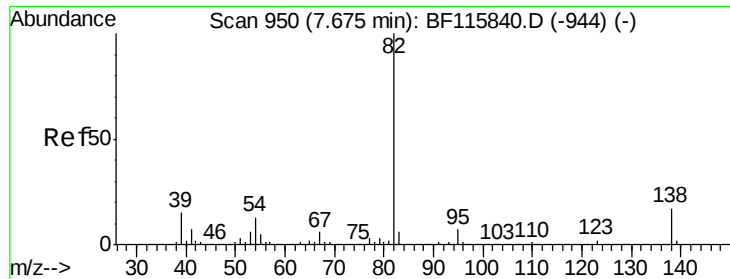
600000

400000

200000

0

7.30 7.40 7.50 7.60 7.70



#25

Isophorone

Concen: 37.658 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

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ClientSampleId :

1S-F1-F4-COMP-(30)

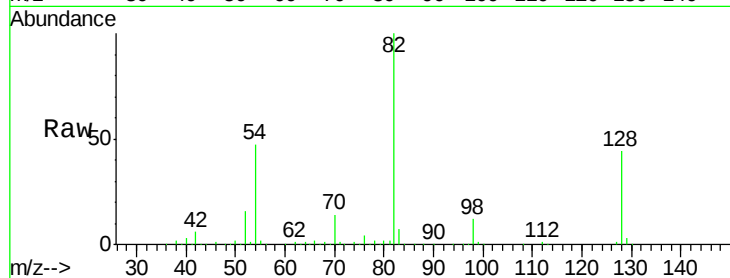
Tot Ion: 82 Resp: 661689

Ion Ratio Lower Upper

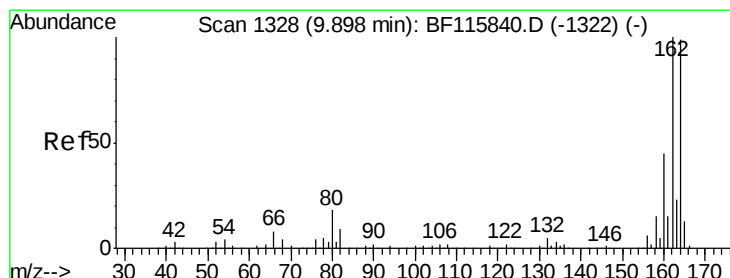
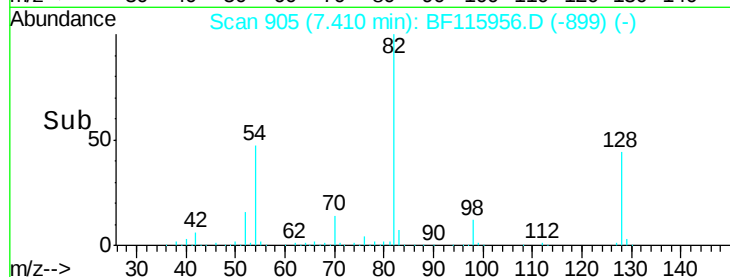
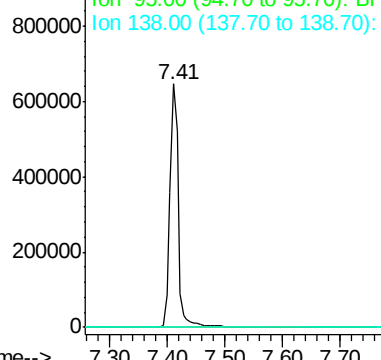
82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF115956.D (-899) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

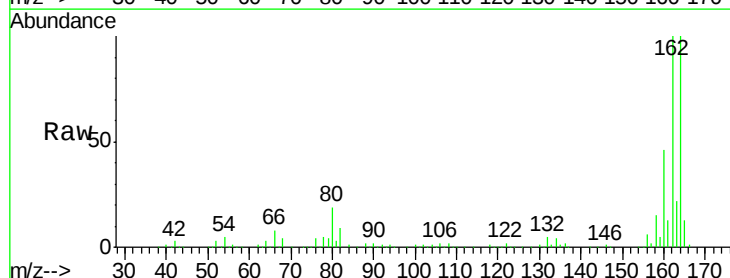
Tgt Ion: 164 Resp: 288983

Ion Ratio Lower Upper

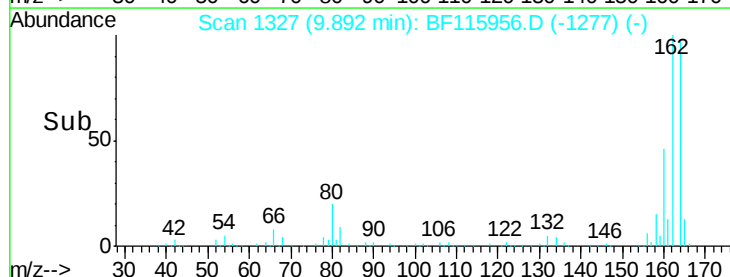
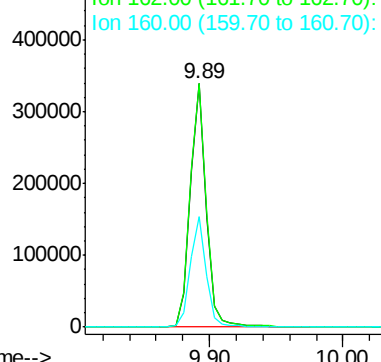
164 100

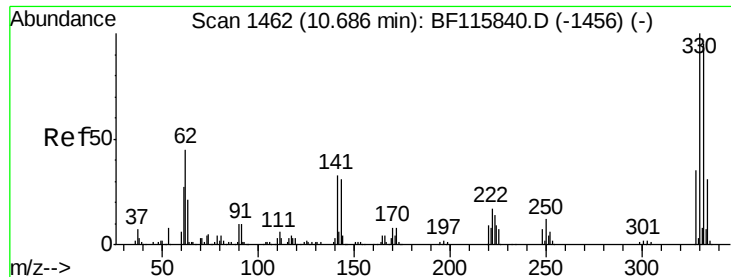
162 99.9 80.8 121.2

160 45.6 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF115956.D (-1277) (-)





#42

2,4,6-Tribromophenol

Concen: 100.971 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115956.D

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1S-F1-F4-COMP-(30)

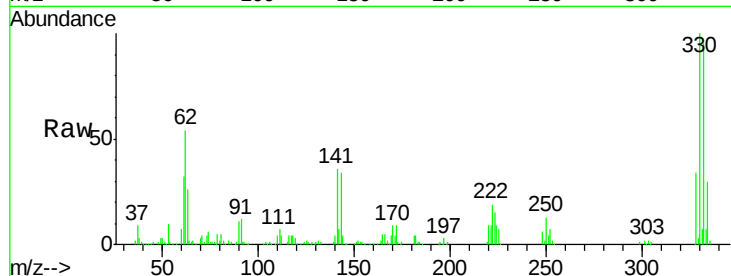
Tot Ion:330 Resp: 282898

Ion Ratio Lower Upper

330 100

332 95.3 77.7 116.5

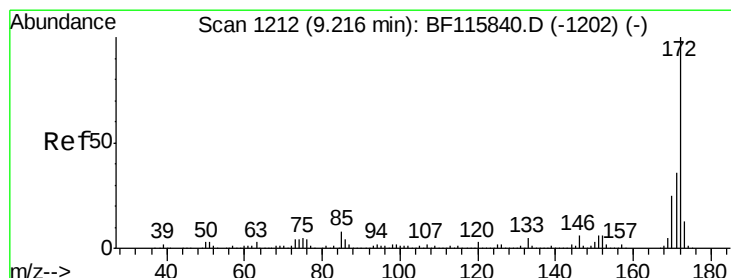
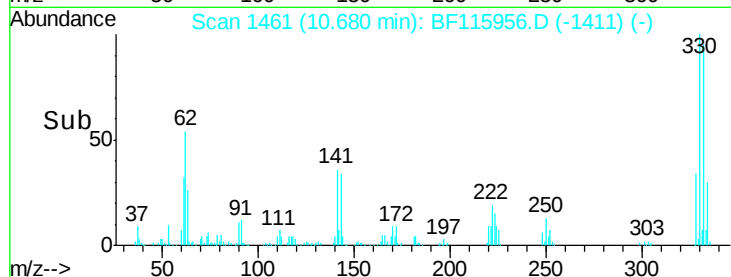
141 34.2 28.1 42.1



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: 72.548 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

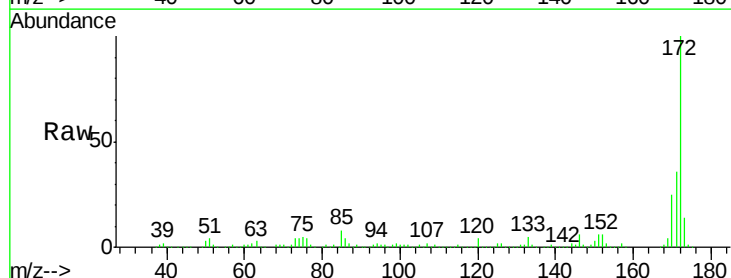
Tgt Ion:172 Resp: 1119291

Ion Ratio Lower Upper

172 100

171 36.2 29.1 43.7

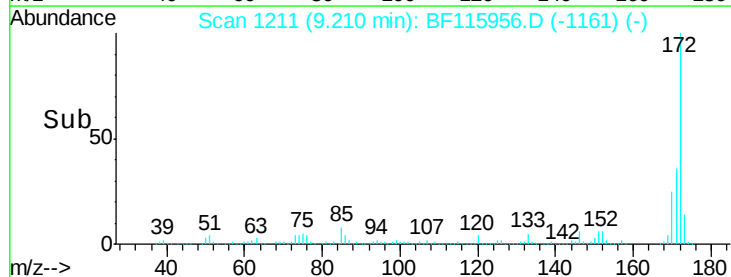
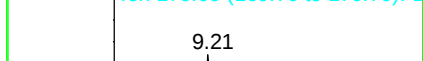
170 24.7 20.1 30.1



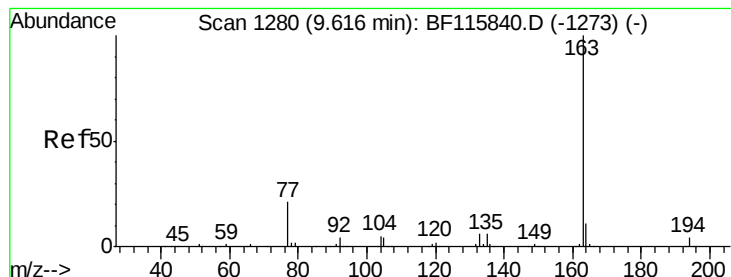
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#50

Dimethylphthalate

Concen: 8.021 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115956.D

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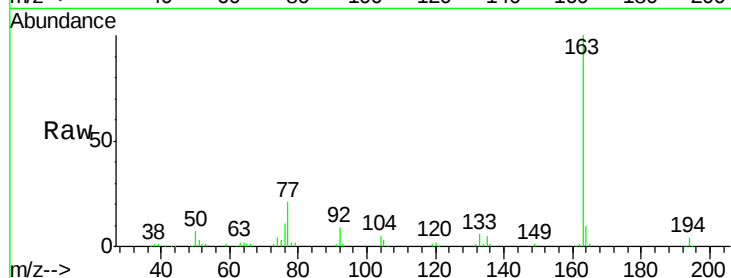
Tot Ion:163 Resp: 157833

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

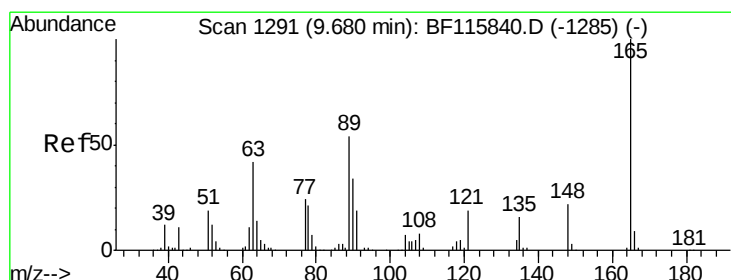
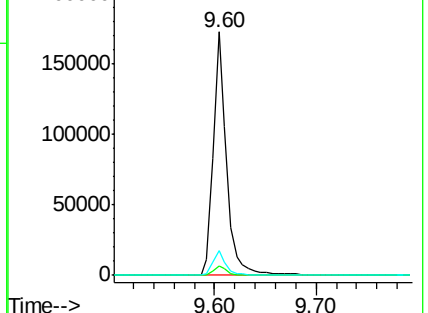
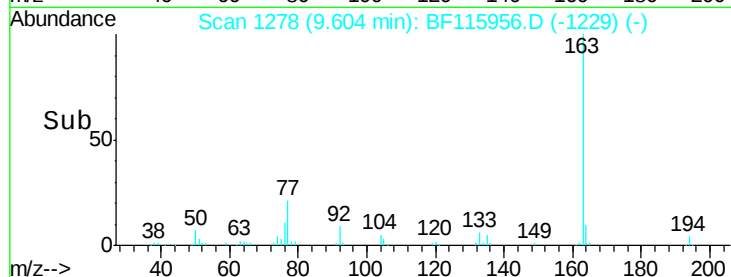
164 10.0 8.4 12.6



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: 8.755 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

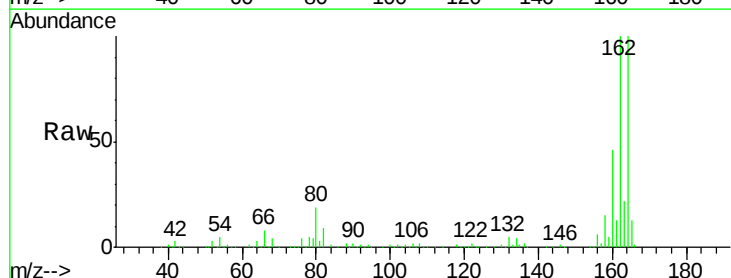
Tgt Ion:165 Resp: 37438

Ion Ratio Lower Upper

165 100

63 0.8 39.4 59.2#

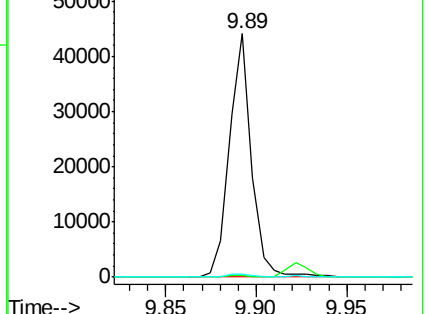
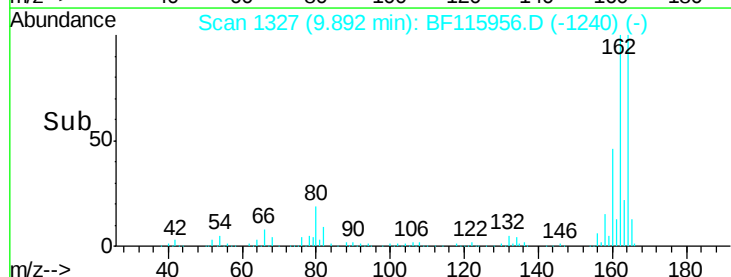
89 1.4 43.0 64.6#

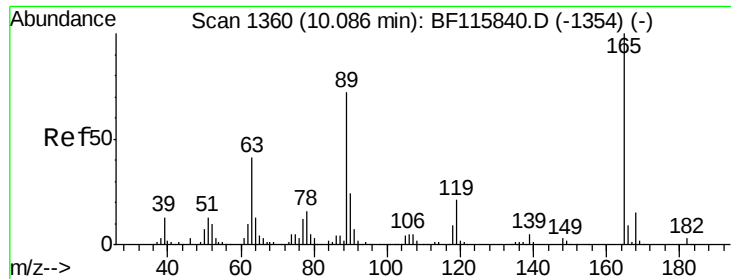


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

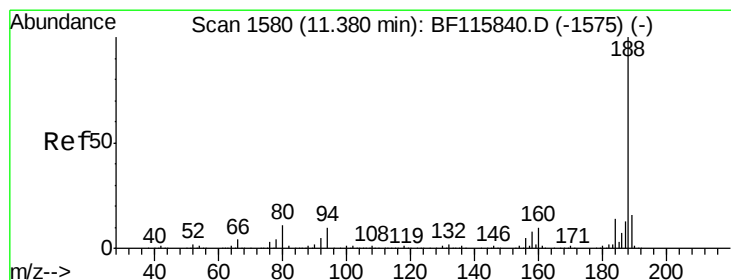
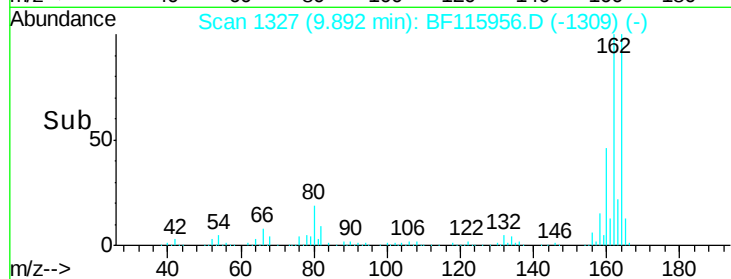
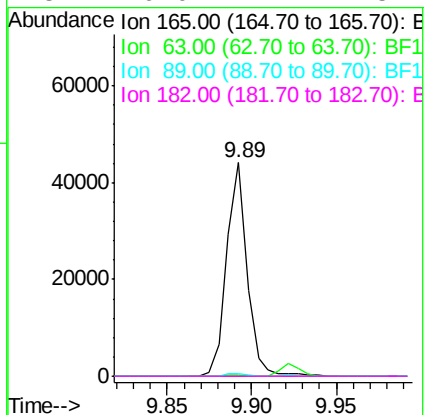
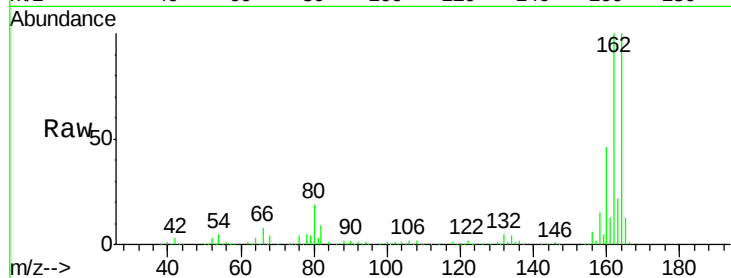




#57
 2,4-Dinitrotoluene
 Concen: 6.576 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

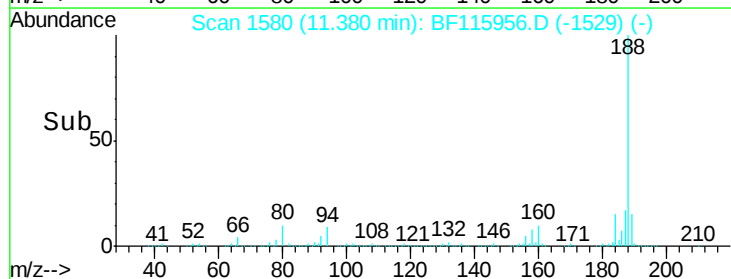
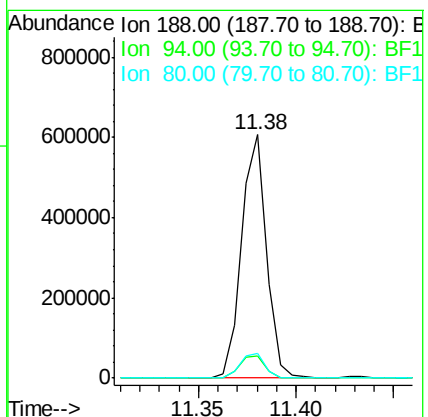
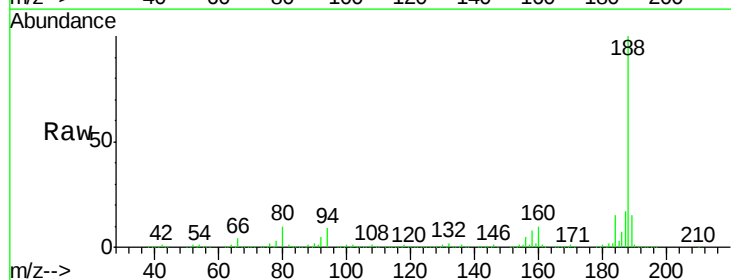
Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

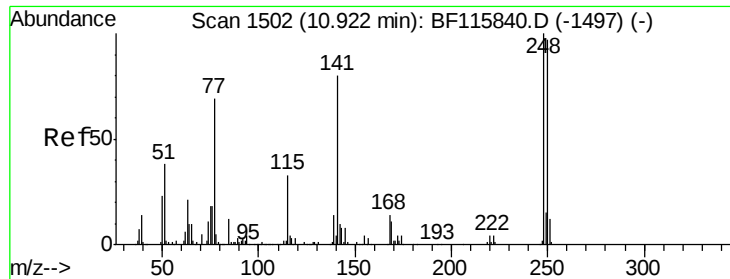
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	33.2	49.8#
89	1.4	57.3	85.9#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.2	8.6	12.8

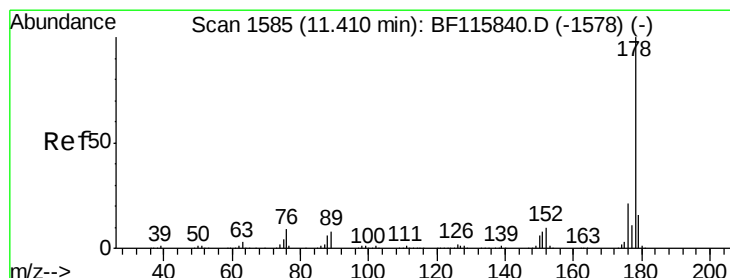
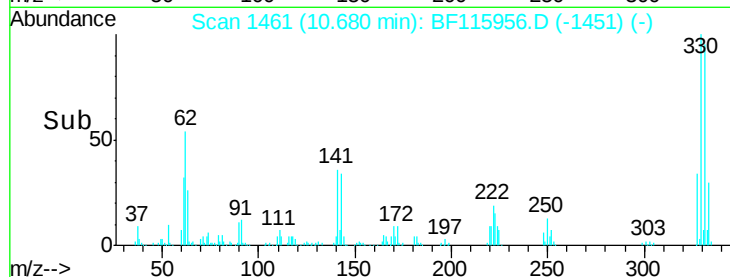
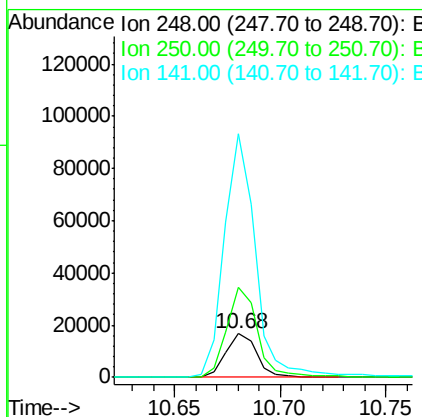
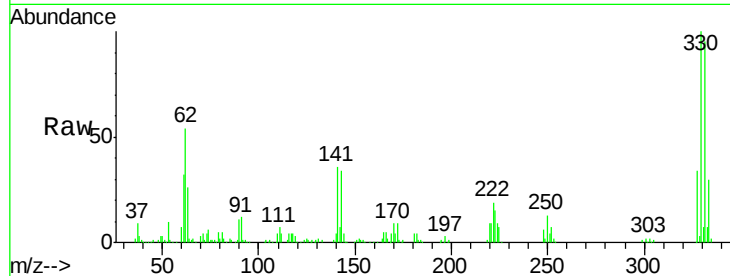




#67
 4-Bromophenyl-phenylether
 Concen: 2.927 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

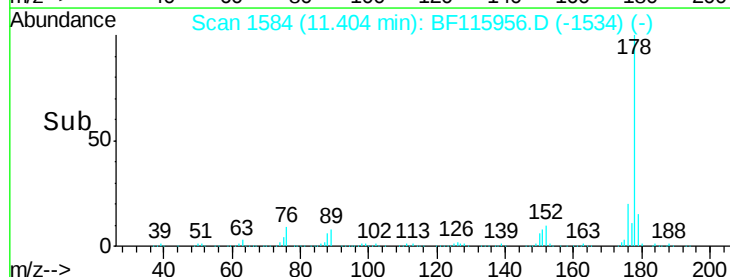
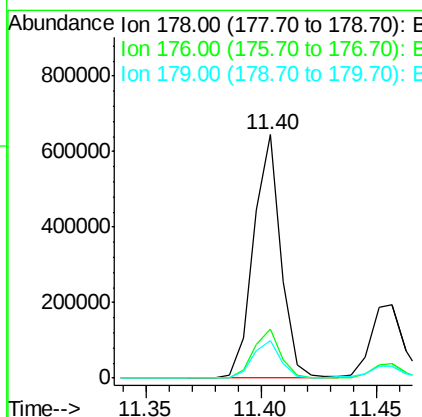
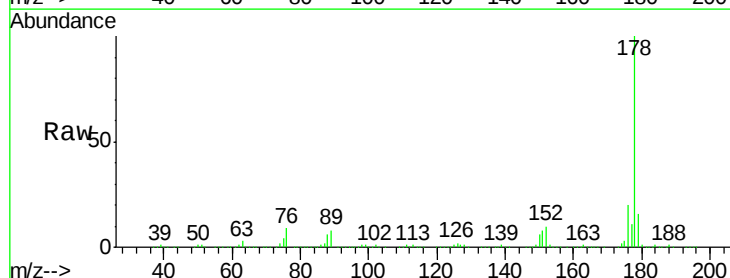
Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

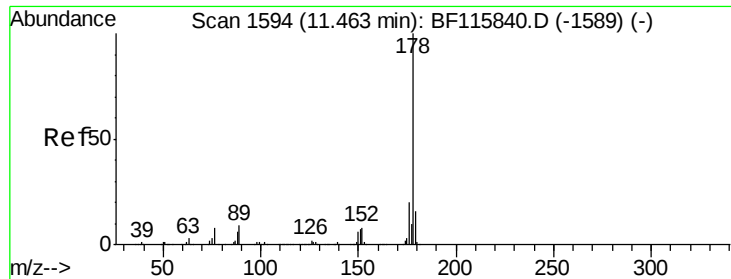
Tot Ion:	248	Resp:	16818
Ion	Ratio	Lower	Upper
248	100		
250	206.0	77.8	116.6#
141	555.6	64.3	96.5#



#71
 Phenanthrene
 Concen: 19.470 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Tgt Ion:	178	Resp:	534232
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	15.5	12.6	18.8

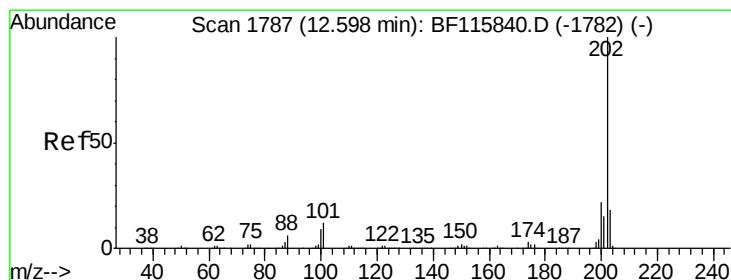
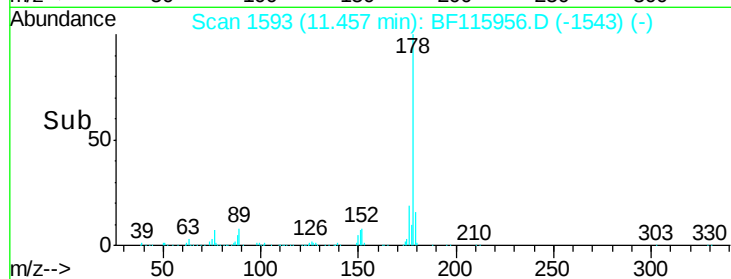
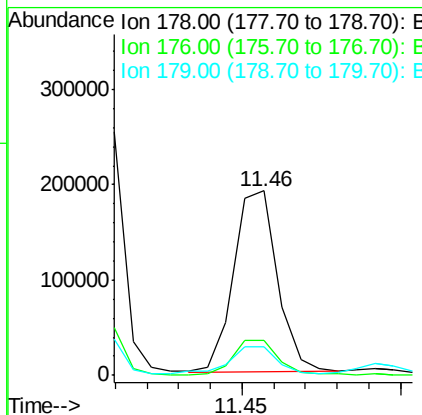
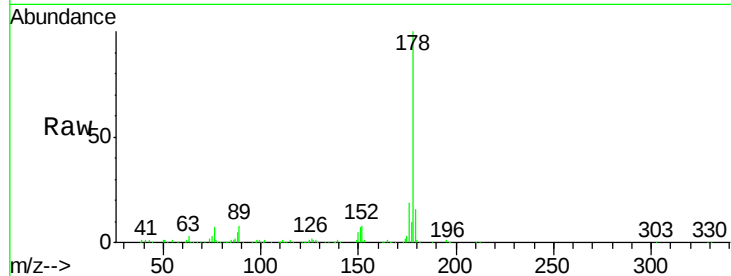




#72
 Anthracene
 Concen: 6.556 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

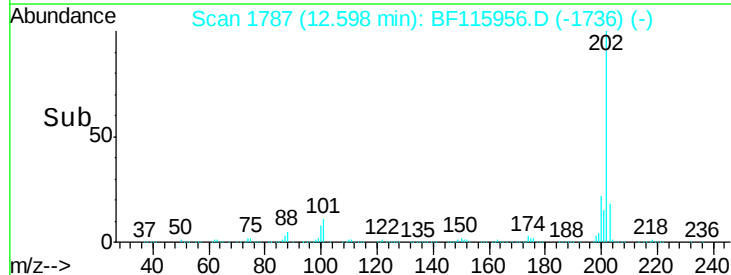
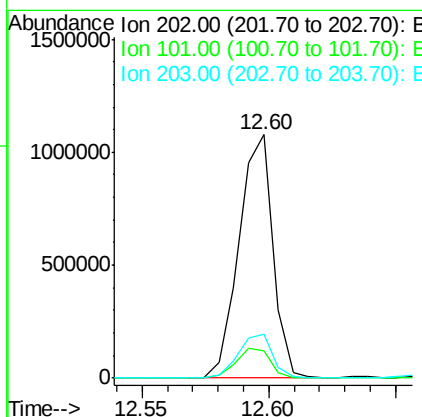
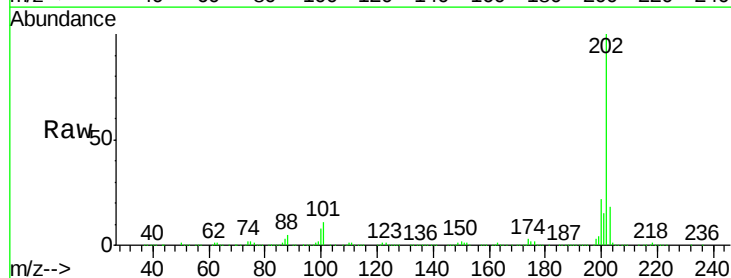
Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

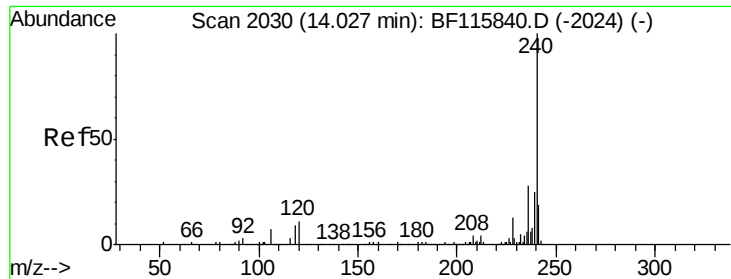
Tot Ion:178 Resp: 182051
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.7 12.4 18.6



#75
 Fluoranthene
 Concen: 34.961 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF115956.D
 Acq: 2 Aug 2019 19:38

Tgt Ion:202 Resp: 1004266
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.5
 203 18.1 0.0 37.9

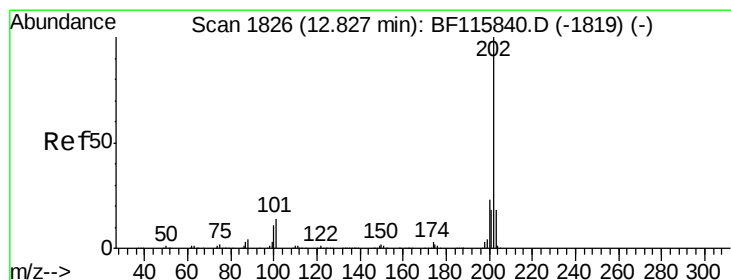
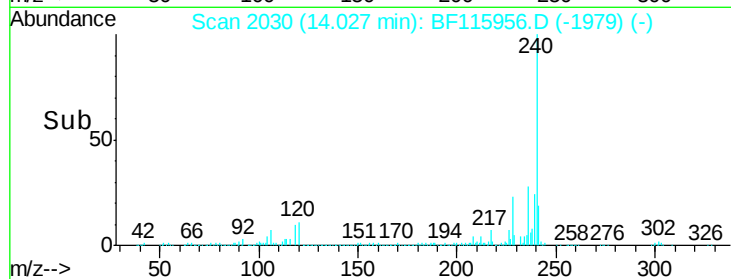
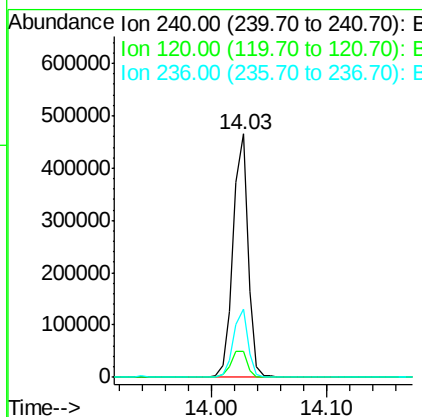
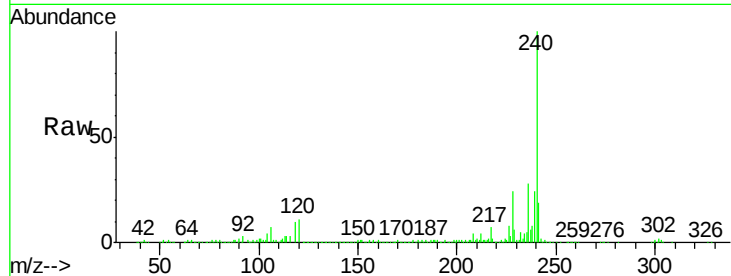




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

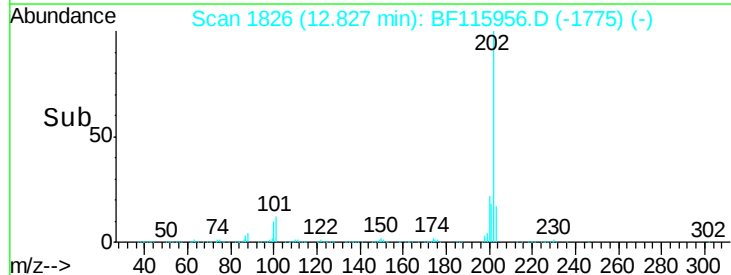
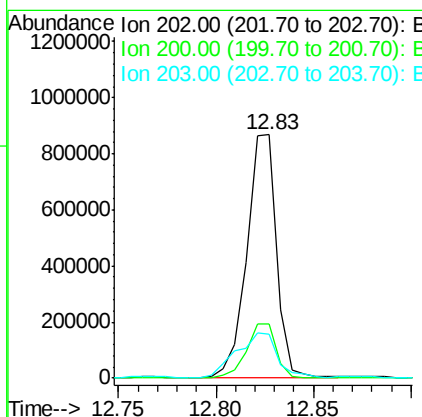
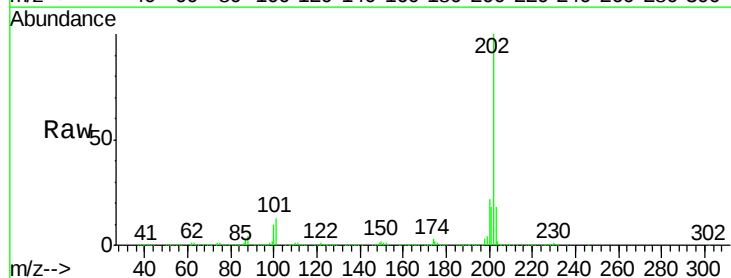
Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

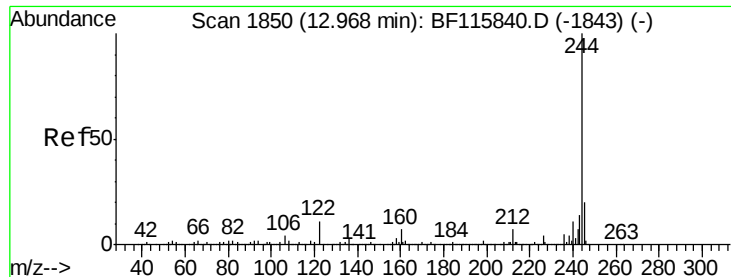
Tot Ion:240 Resp: 420403
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 28.1 22.2 33.2



#78
Pyrene
Concen: 28.904 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion:202 Resp: 915992
Ion Ratio Lower Upper
202 100
200 22.1 18.2 27.2
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 68.470 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

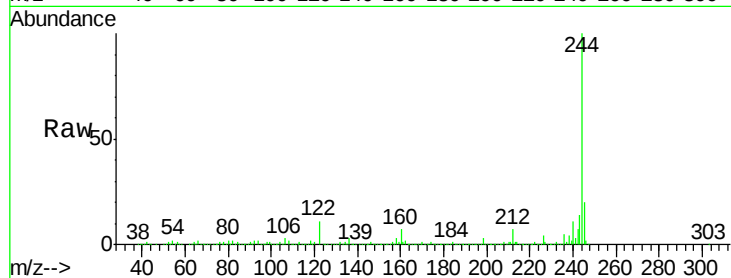
Tot Ion:244 Resp: 1366043

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

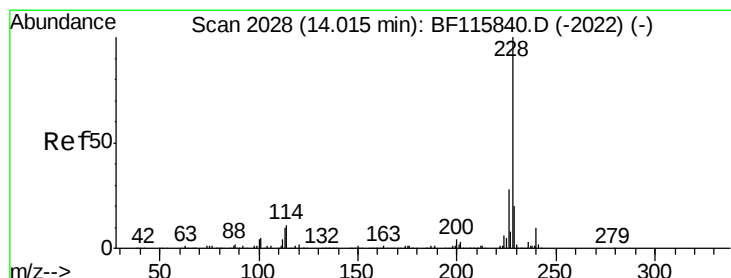
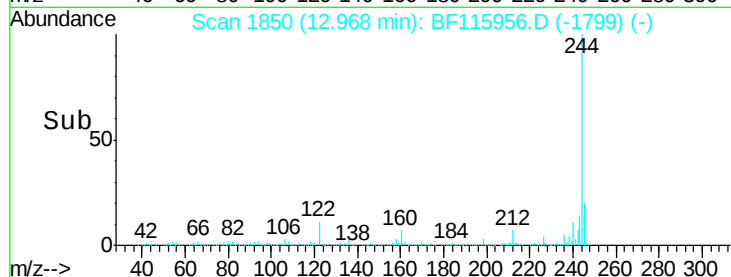
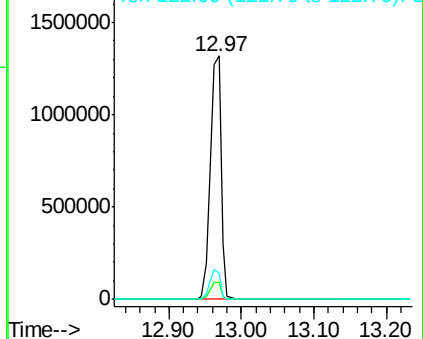
122 10.6 8.6 13.0



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: 25.833 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

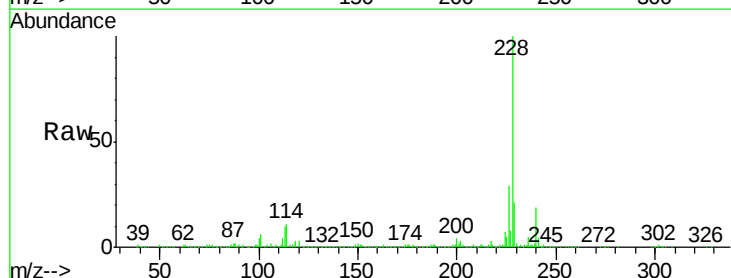
Tgt Ion:228 Resp: 694149

Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

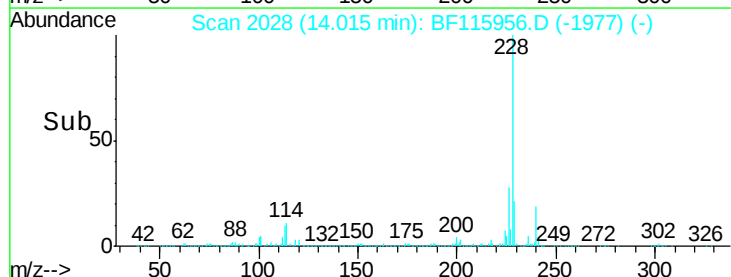
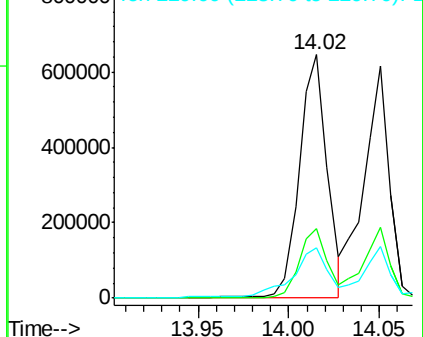
229 20.9 16.1 24.1

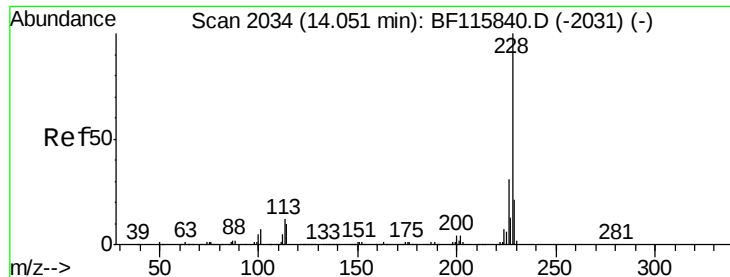


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 21.116 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

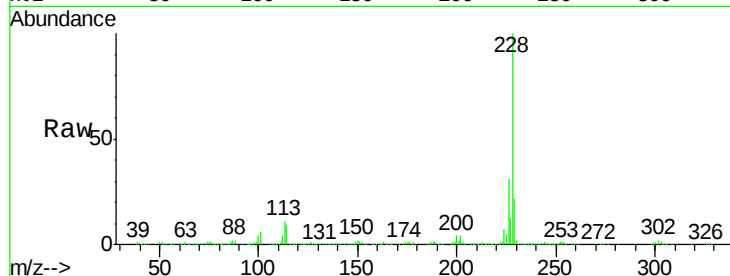
Tot Ion:228 Resp: 550865

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

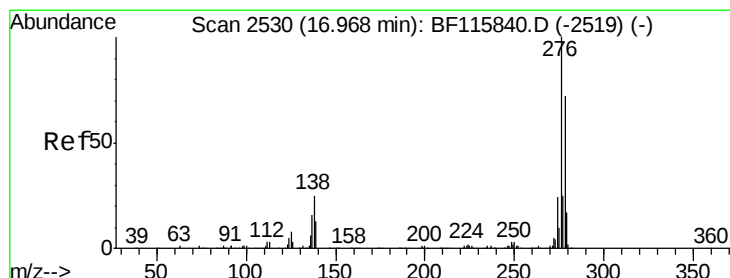
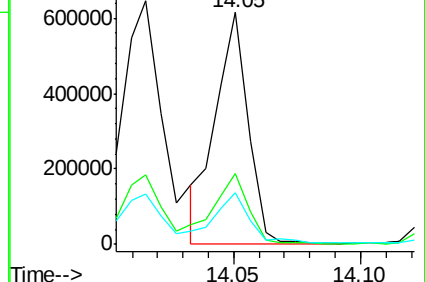
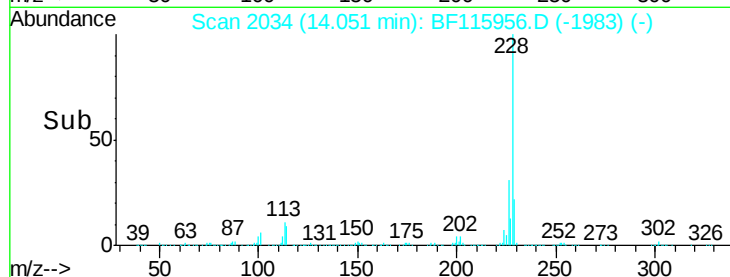
229 22.1 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 15.810 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

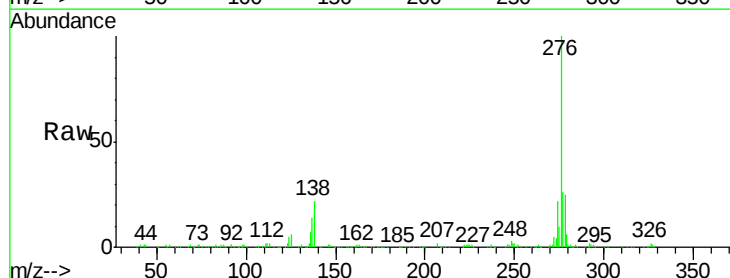
Tgt Ion:276 Resp: 346412

Ion Ratio Lower Upper

276 100

138 21.9 19.6 29.4

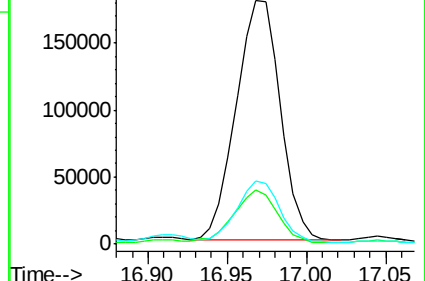
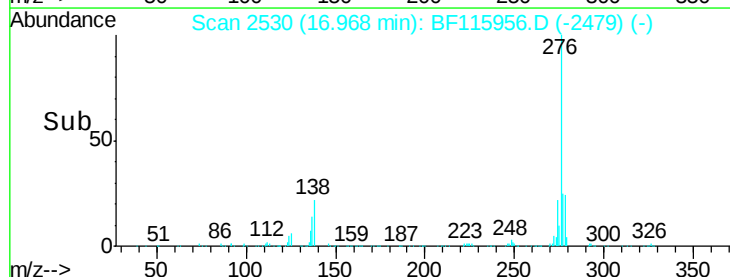
277 25.1 20.1 30.1

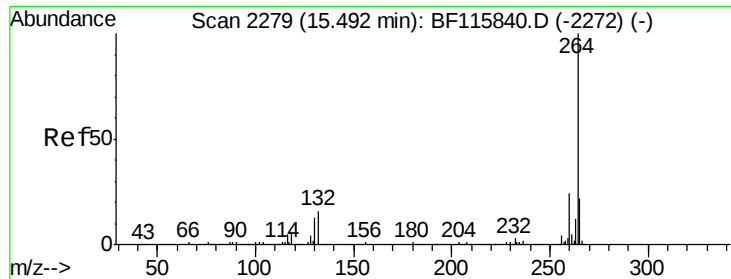


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

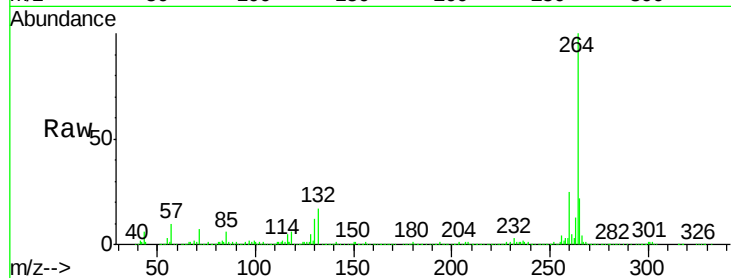
Tot Ion:264 Resp: 411852

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

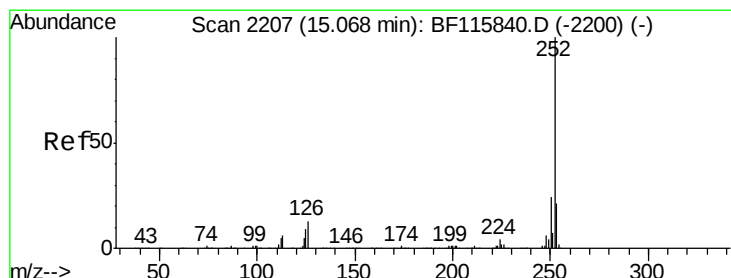
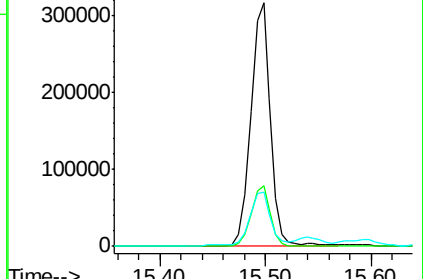
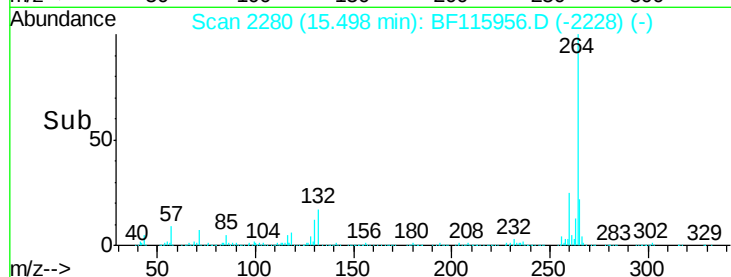
265 22.1 17.5 26.3



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: 44.616 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

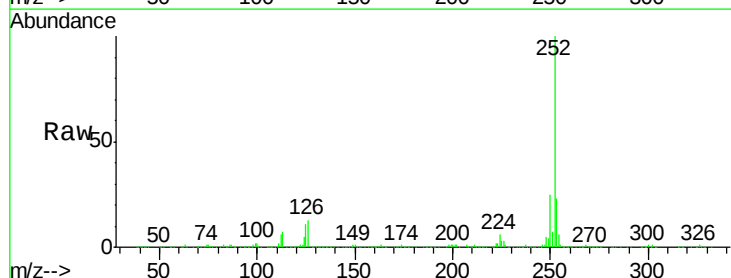
Tgt Ion:252 Resp: 1062474

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

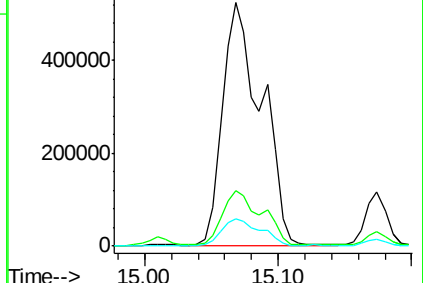
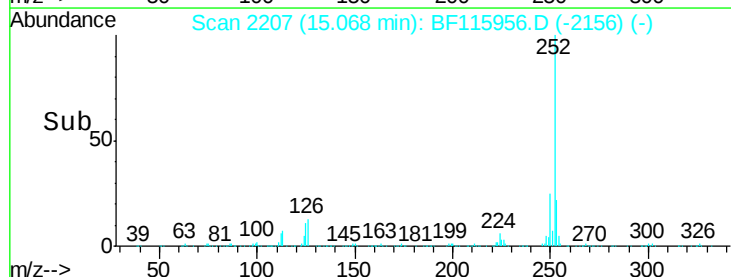
125 11.2 7.4 11.0#

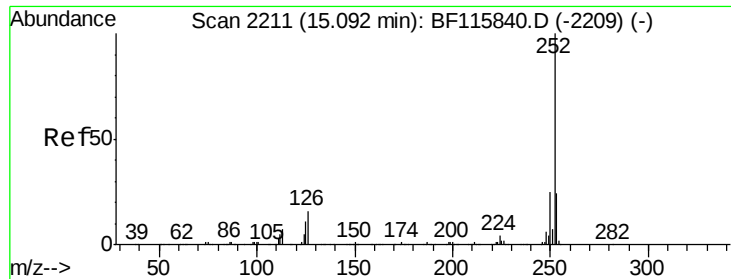


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

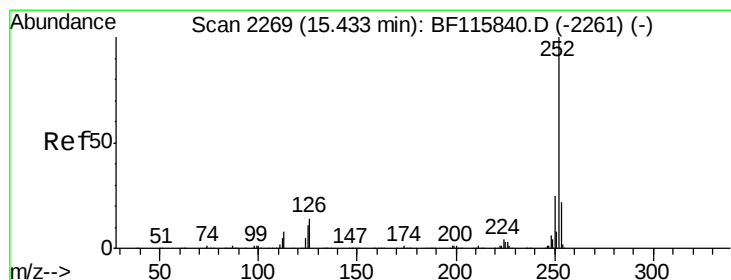
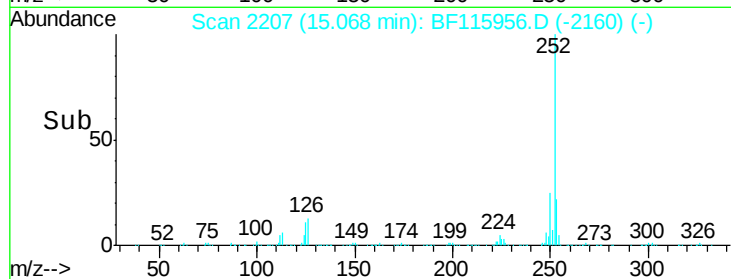
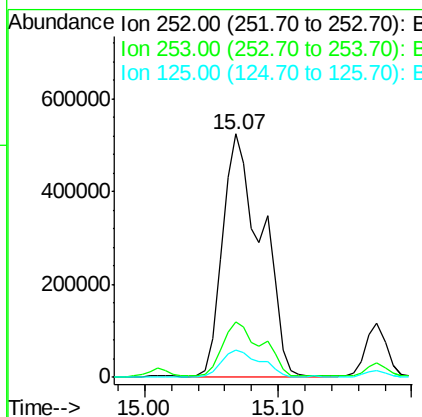
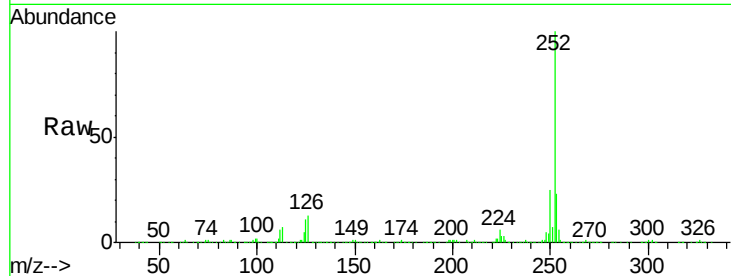




#89
Benzo(k)fluoranthene
Concen: 45.806 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

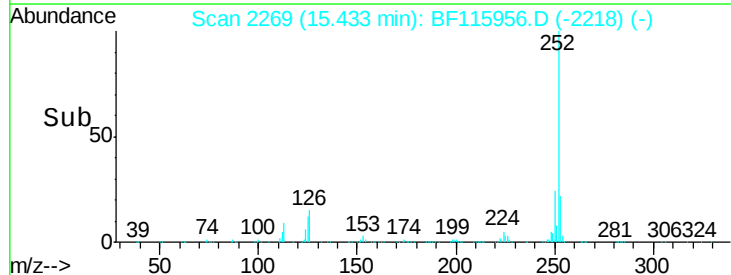
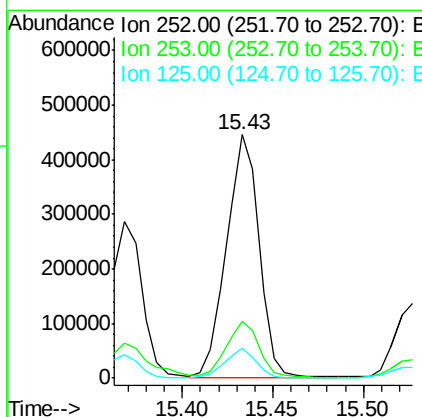
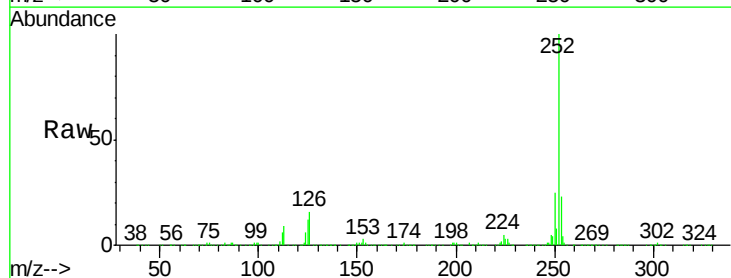
Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

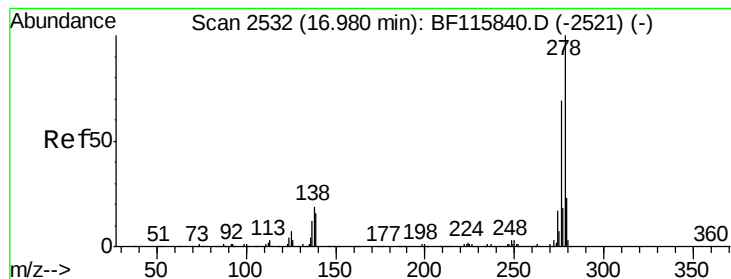
Tot Ion:252 Resp: 1062474
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 11.2 8.9 13.3



#90
Benzo(a)pyrene
Concen: 26.120 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115956.D
Acq: 2 Aug 2019 19:38

Tgt Ion:252 Resp: 556026
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.162 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.16 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

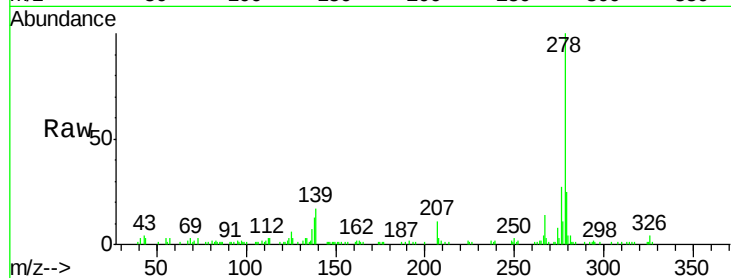
Tot Ion:278 Resp: 76700

Ion Ratio Lower Upper

278 100

139 16.9 12.6 19.0

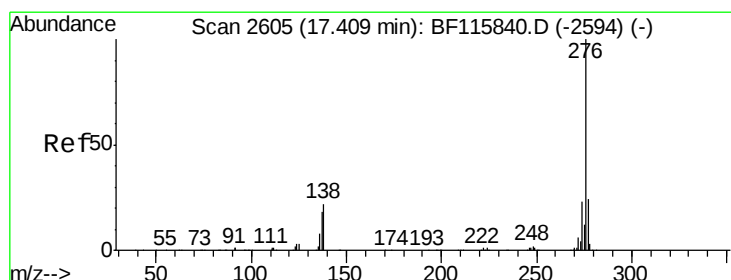
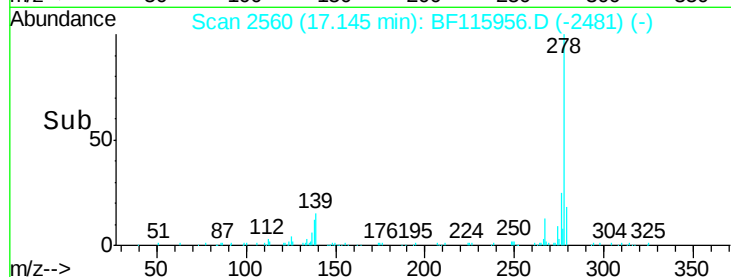
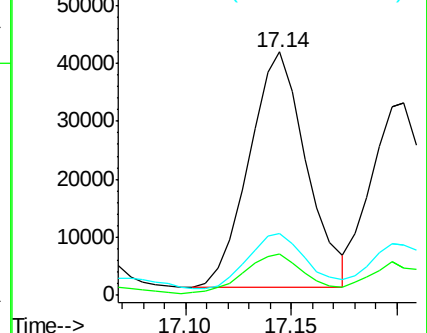
279 25.4 18.8 28.2



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: 17.589 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF115956.D

Acq: 2 Aug 2019 19:38

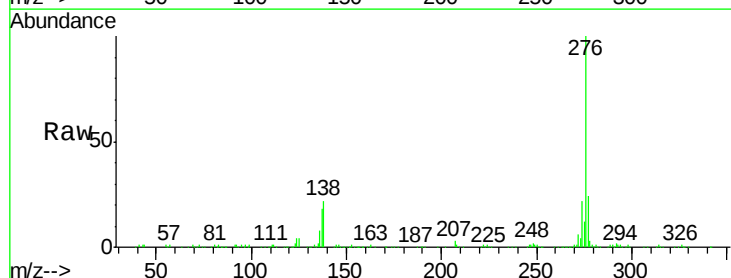
Tgt Ion:276 Resp: 318297

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 21.7 17.8 26.8



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

