

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114946.D
 Acq On : 11 Jun 2019 15:11
 Operator : HP/JU
 Sample : K3250-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 11 15:48:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

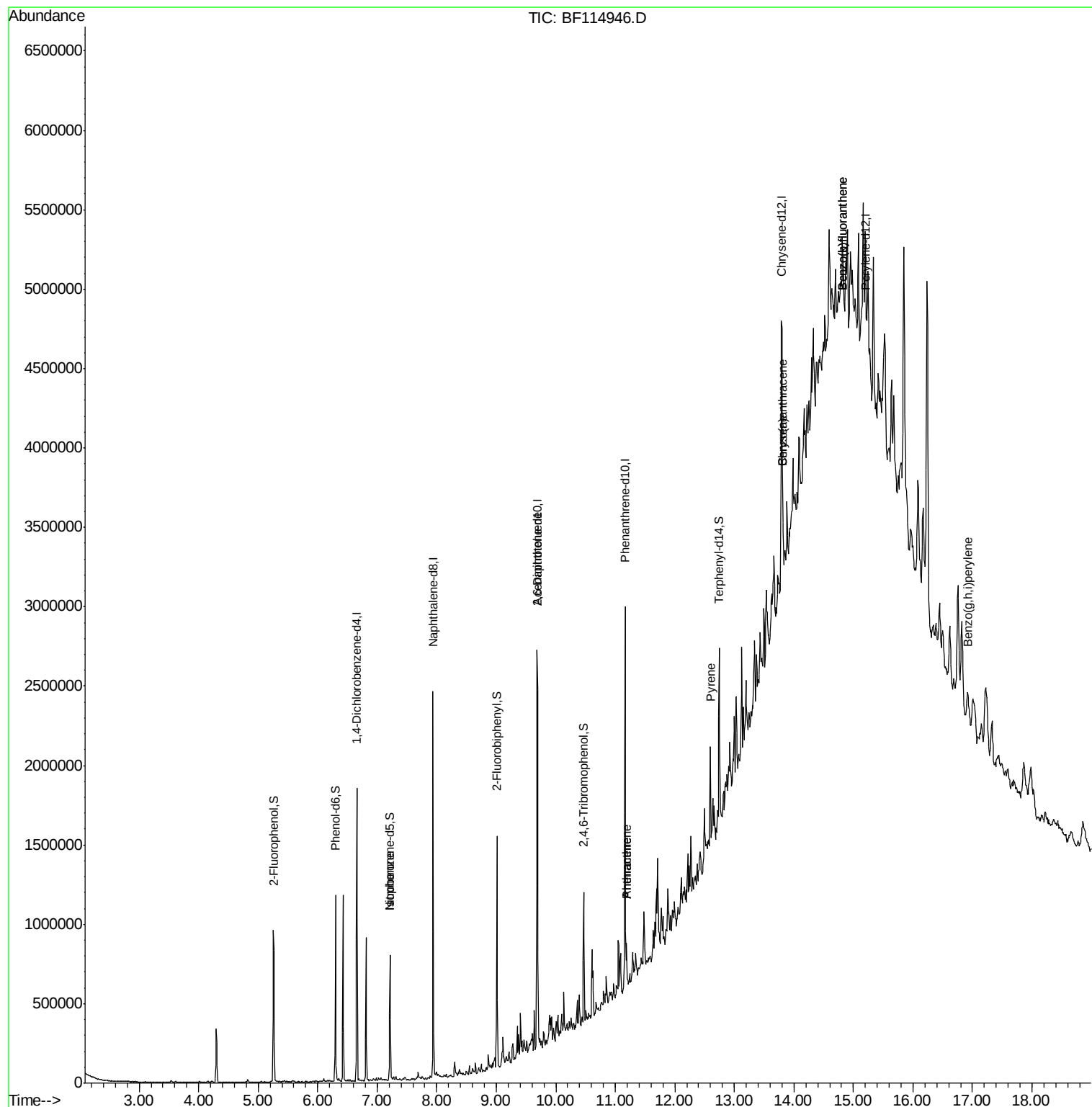
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	253496	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1015501	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	495887	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	871030	20.00	ng	0.00
76) Chrysene-d12	13.79	240	561282	20.00	ng	0.00
87) Perylene-d12	15.20	264	373309	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	293547	19.60	ng	-0.01
7) Phenol-d6	6.30	99	375260	20.77	ng	-0.01
23) Nitrobenzene-d5	7.22	82	219203	13.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	86694	16.07	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	424122	13.57	ng	0.00
79) Terphenyl-d14	12.74	244	359604	12.74	ng	0.00
Target Compounds						
25) Isophorone	7.22	82	213849	6.607	ng	# 62
51) 2,6-Dinitrotoluene	9.69	165	70747	8.264	ng	# 31
71) Phenanthrene	11.19	178	86918	2.057	ng	97
72) Anthracene	11.19	178	86918	2.026	ng	98
78) Pyrene	12.60	202	298452	6.105	ng	96
81) Benzo(a)anthracene	13.82	228	279992	6.747	ng	# 83
83) Chrysene	13.82	228	279992	6.718	ng	# 89
88) Benzo(b)fluoranthene	14.81	252	69977	2.879	ng	# 26
89) Benzo(k)fluoranthene	14.81	252	69977	3.318	ng	# 27
92) Benzo(g,h,i)perylene	16.92	276	92420	5.200	ng	# 82

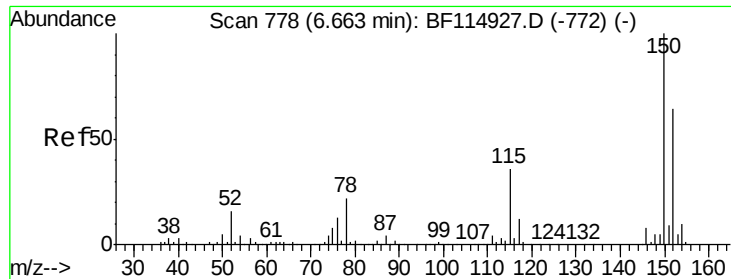
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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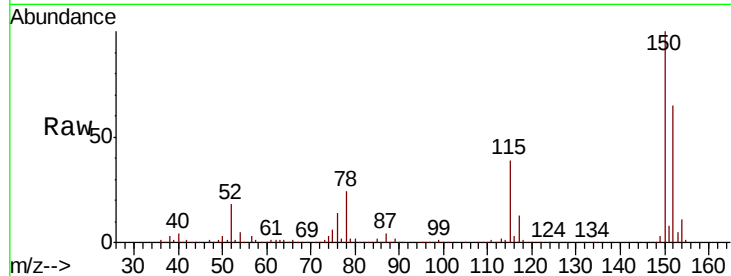


#1

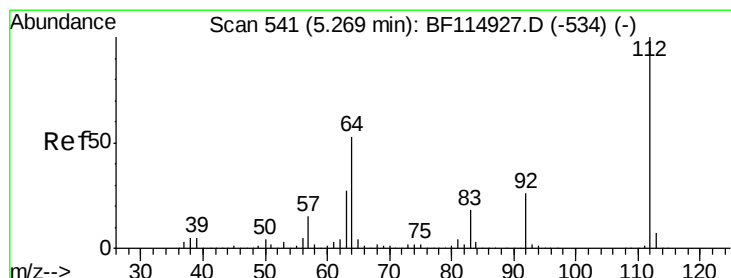
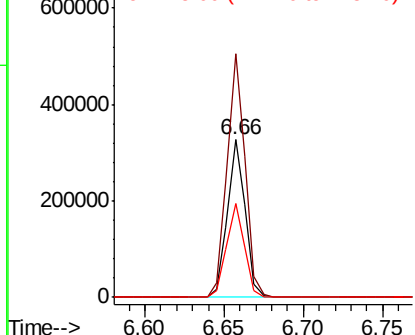
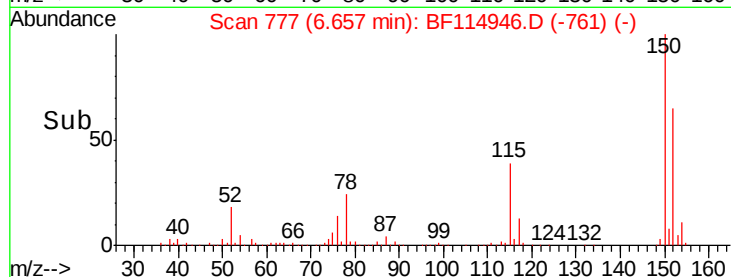
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 253496
Ion Ratio Lower Upper
152 100
150 154.8 125.2 187.8
115 60.0 45.0 67.4



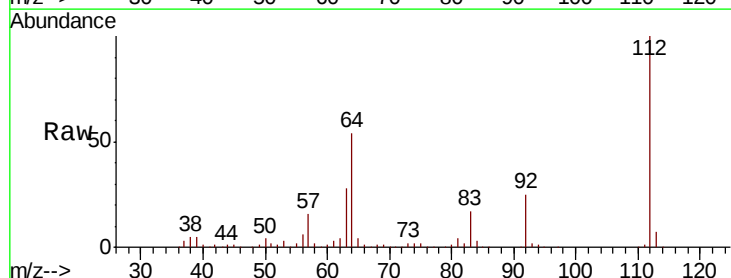
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



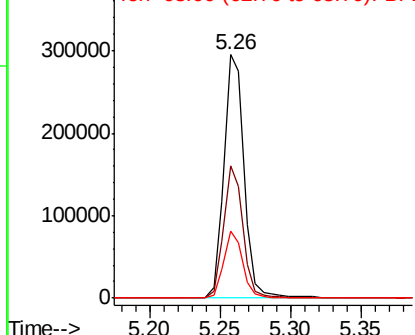
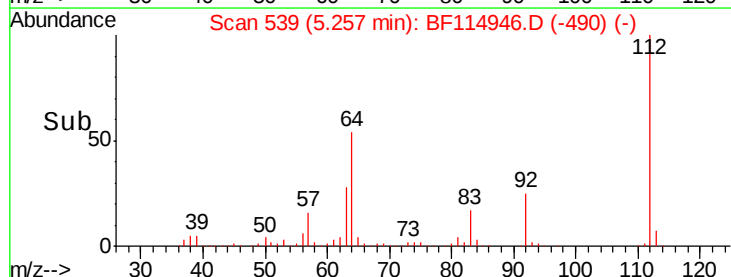
#5

2-Fluorophenol
Concen: 19.598 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:112 Resp: 293547
Ion Ratio Lower Upper
112 100
64 54.3 42.1 63.1
63 27.7 21.8 32.8



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: 20.771 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

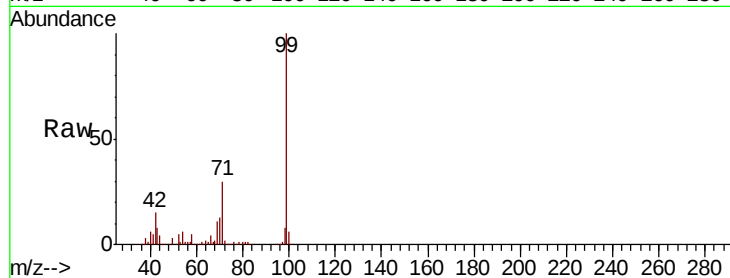
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 375260

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.1	19.7
71	29.8	26.8	40.2

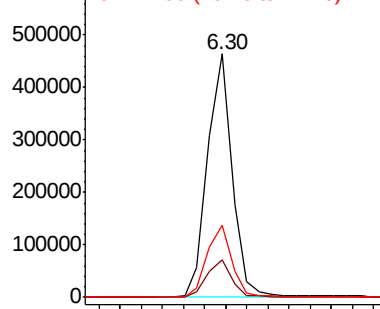


Abundance

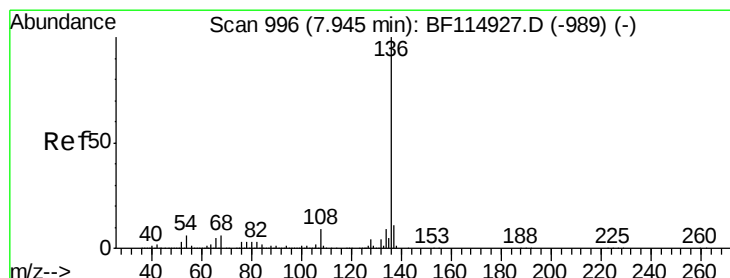
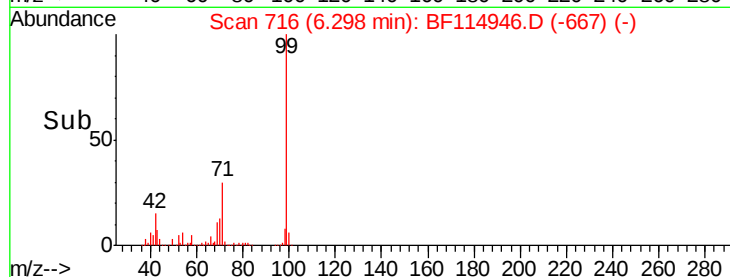
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

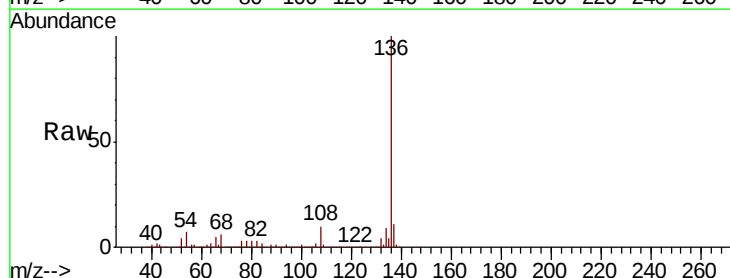
Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Tgt Ion: 136 Resp: 1015501

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	7.3	5.2	7.8
68	6.1	4.6	7.0



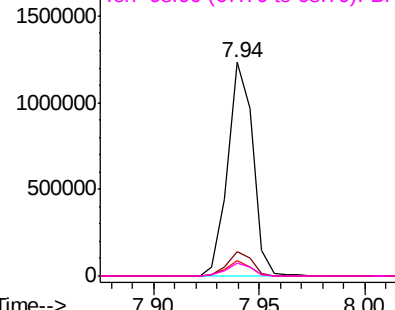
Abundance

Ion 136.00 (135.70 to 136.70): E

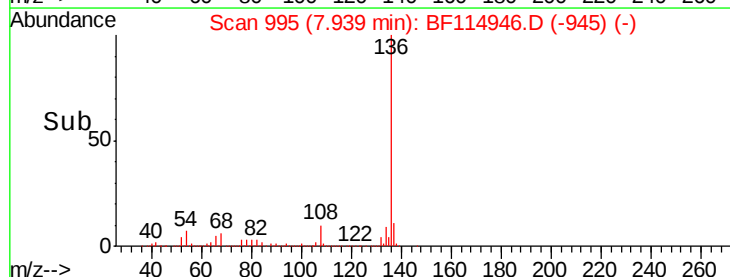
Ion 137.00 (136.70 to 137.70): E

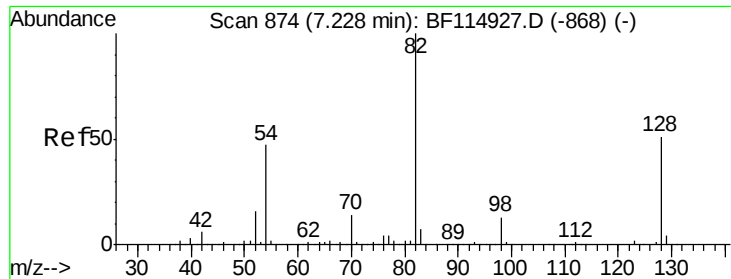
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

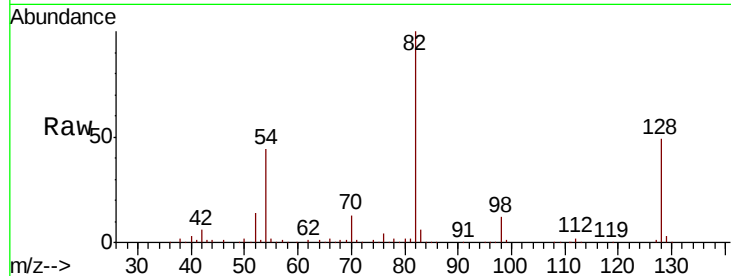




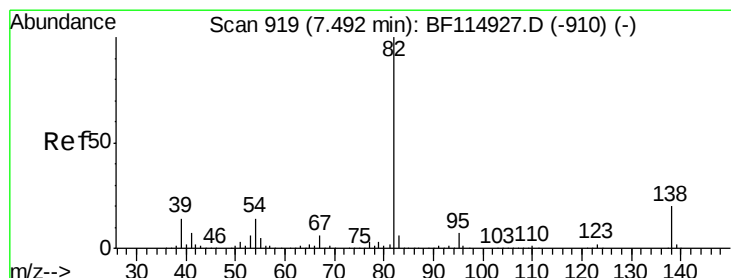
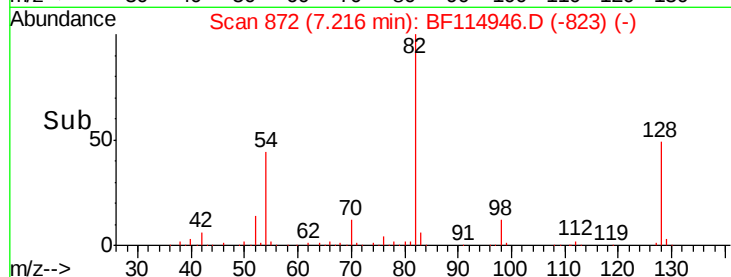
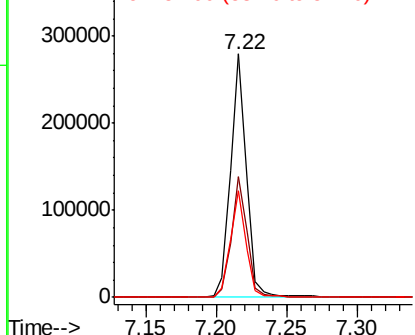
#23
 Nitrobenzene-d5
 Concen: 13.263 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	219203
Ion Ratio	Lower	Upper	
82	100		
128	49.4	40.9	61.3
54	43.6	37.4	56.0

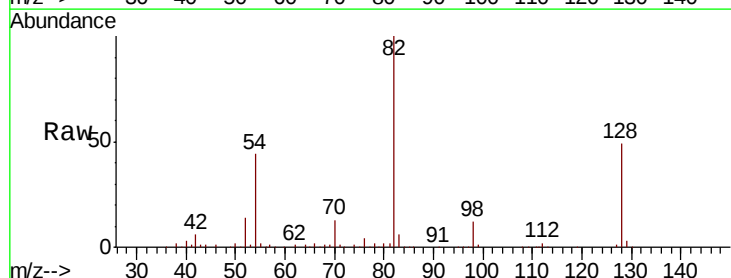


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

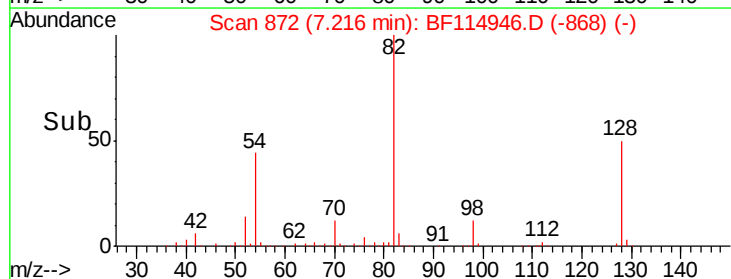
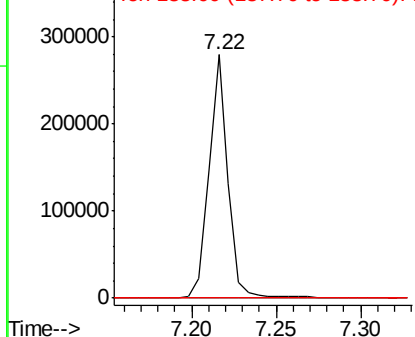


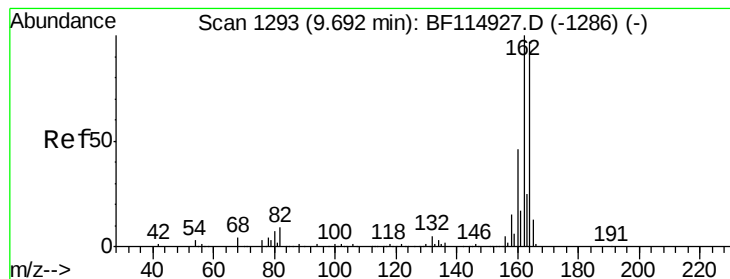
#25
 Isophorone
 Concen: 6.607 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.28 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Tgt Ion	82	Resp	213849
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.7	8.5#
138	0.0	16.4	24.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

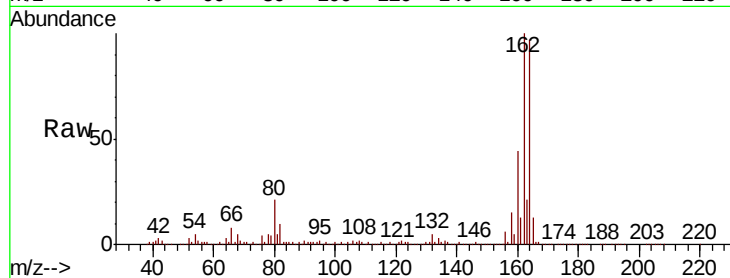
Tot Ion:164 Resp: 495887

Ion Ratio Lower Upper

164 100

162 102.7 82.4 123.6

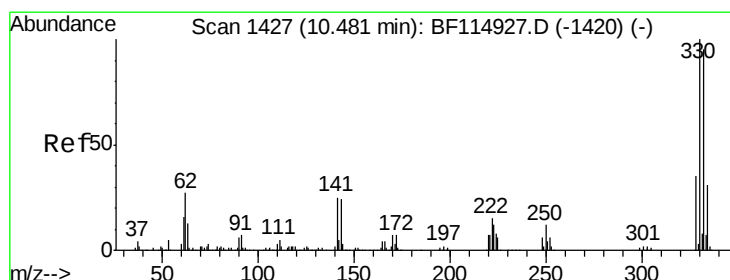
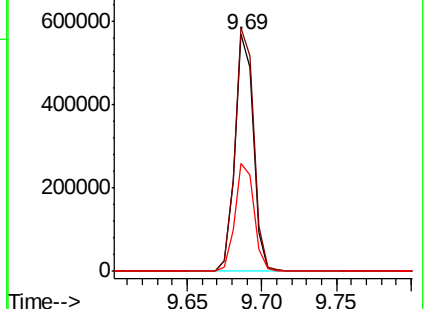
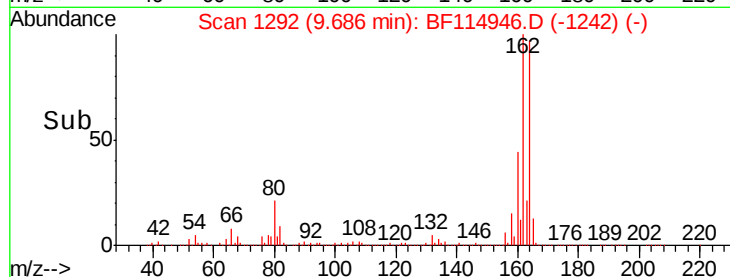
160 45.4 37.5 56.3



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: 16.071 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

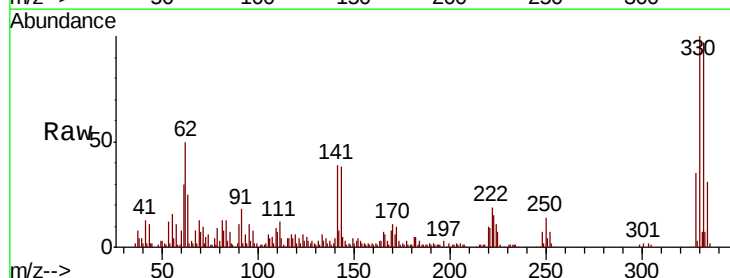
Tgt Ion:330 Resp: 86694

Ion Ratio Lower Upper

330 100

332 97.9 76.4 114.6

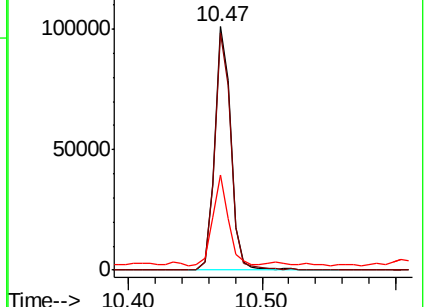
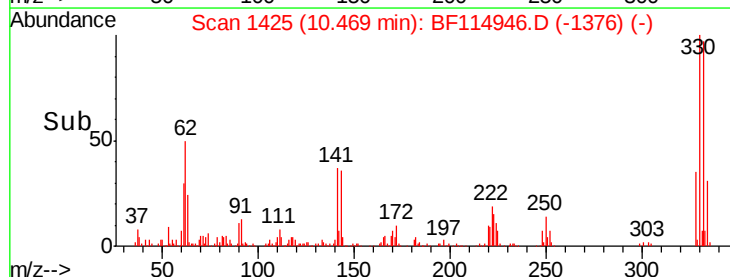
141 35.4 26.8 40.2

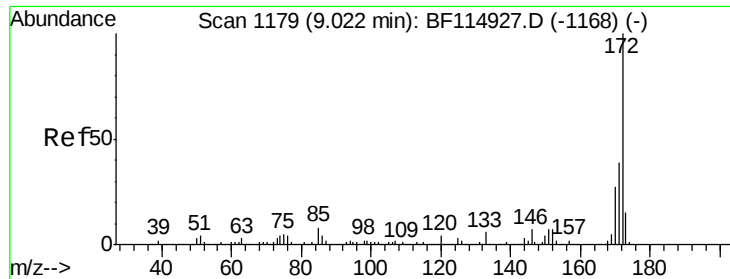


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

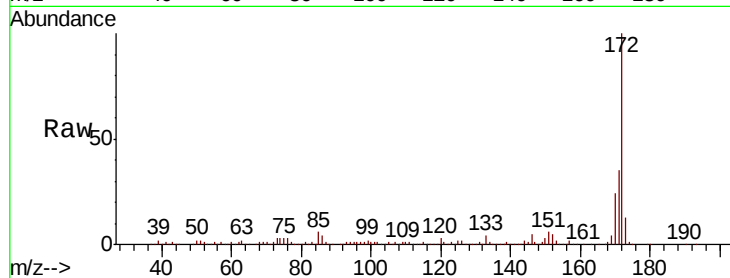




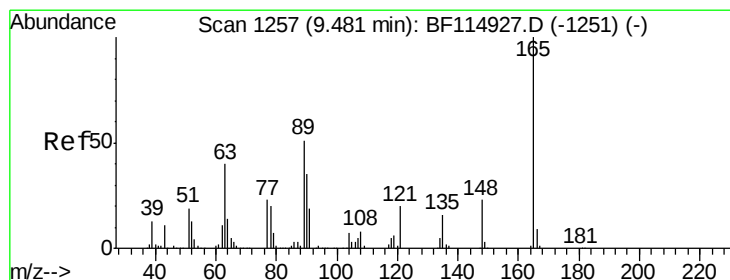
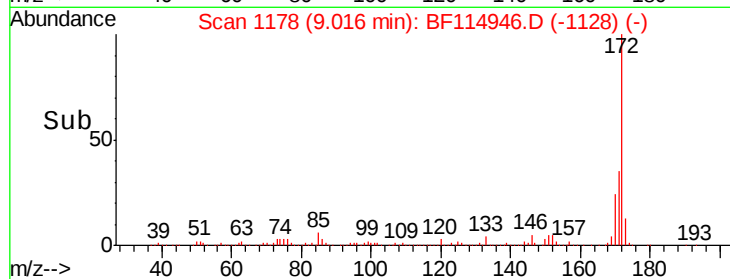
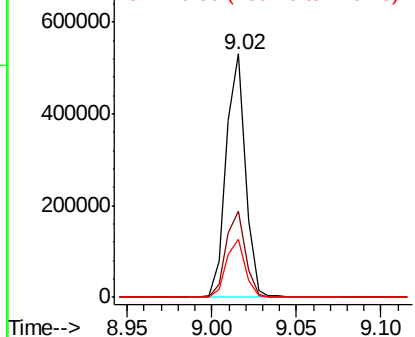
#45
2-Fluorobiphenyl
Concen: 13.574 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 424122
Ion Ratio Lower Upper
172 100
171 35.5 31.3 46.9
170 23.9 21.4 32.0

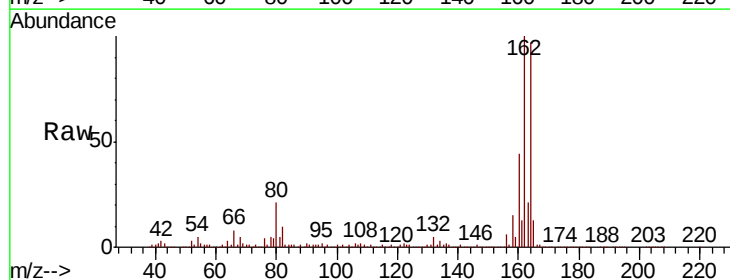


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

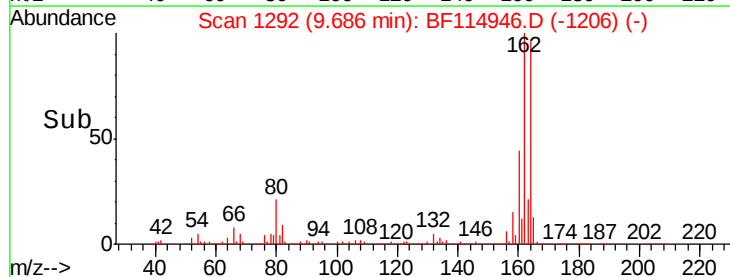
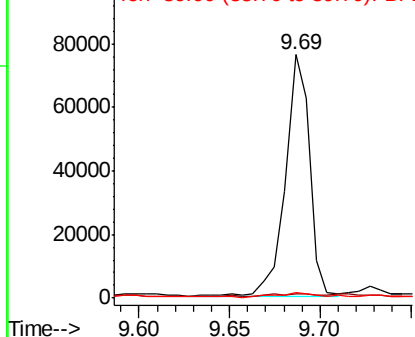


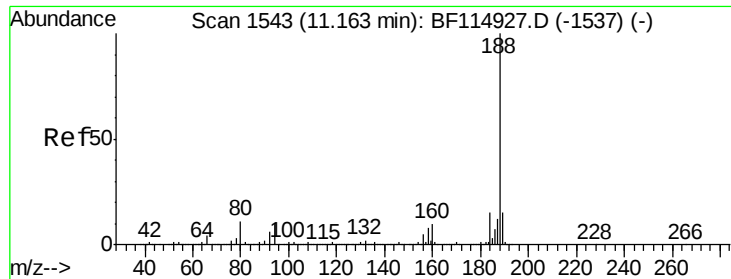
#51
2,6-Dinitrotoluene
Concen: 8.264 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.21 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:165 Resp: 70747
Ion Ratio Lower Upper
165 100
63 1.8 38.3 57.5#
89 2.5 40.8 61.2#



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

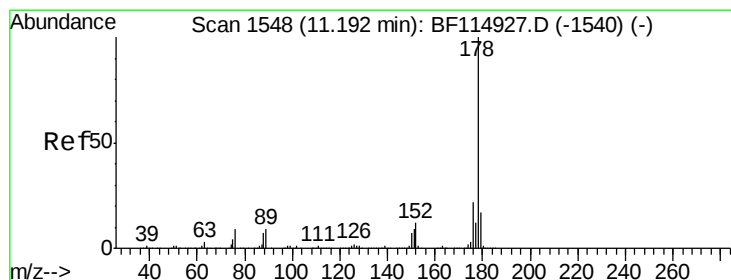
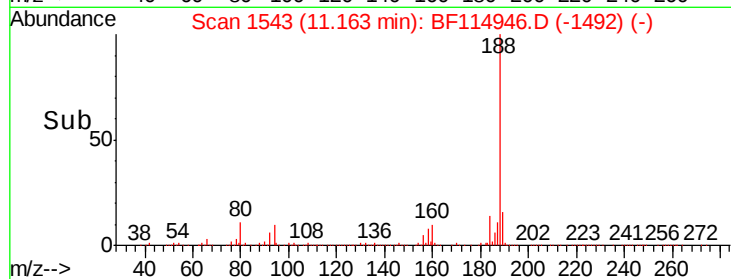
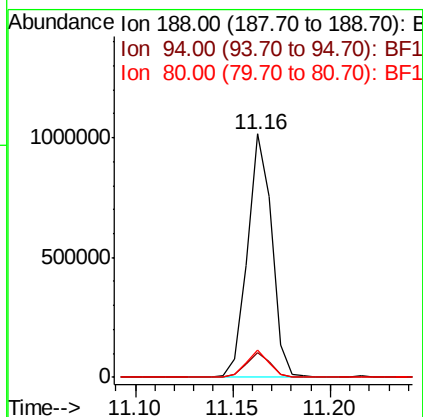
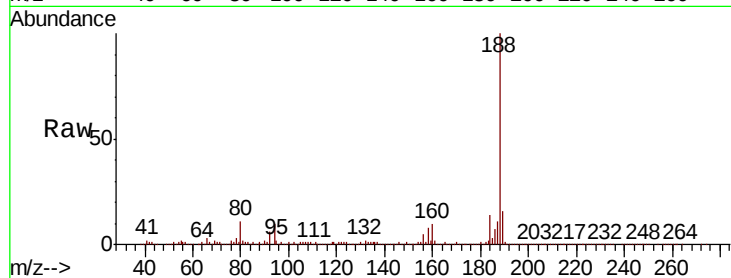




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

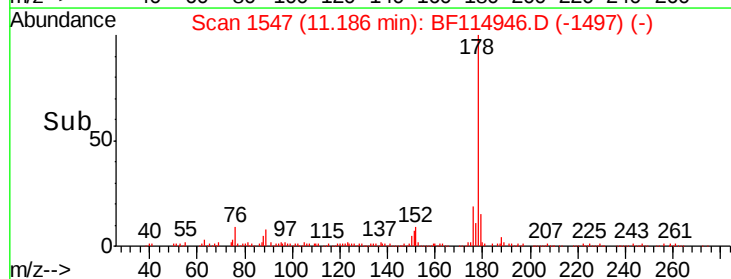
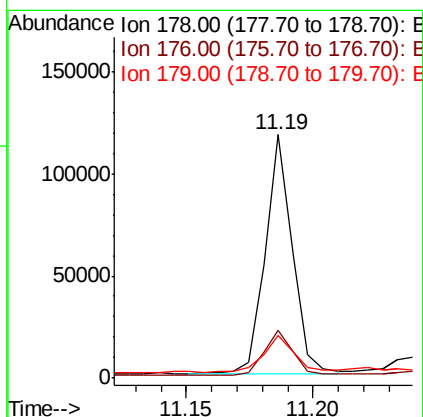
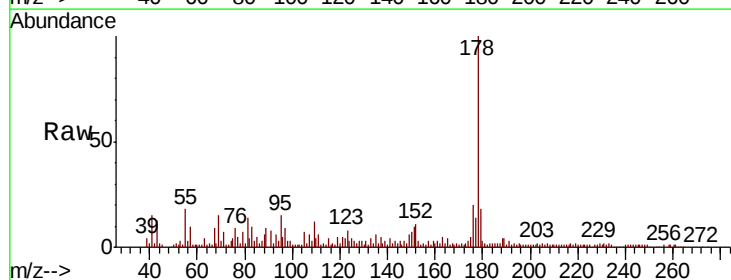
Instrument :
BNA_F
ClientSampled :

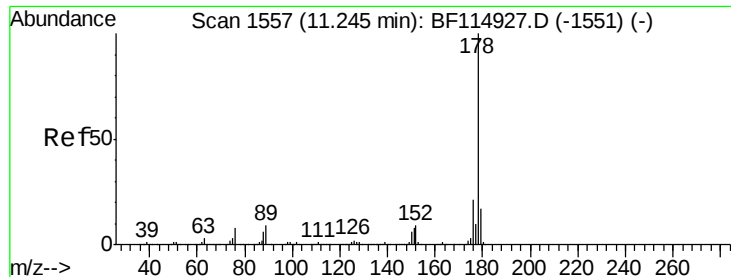
Tot Ion:188 Resp: 871030
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 11.1 8.6 12.8



#71
Phenanthrene
Concen: 2.057 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:178 Resp: 86918
Ion Ratio Lower Upper
178 100
176 19.8 17.4 26.2
179 17.6 13.6 20.4





#72

Anthracene

Concen: 2.026 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.06 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

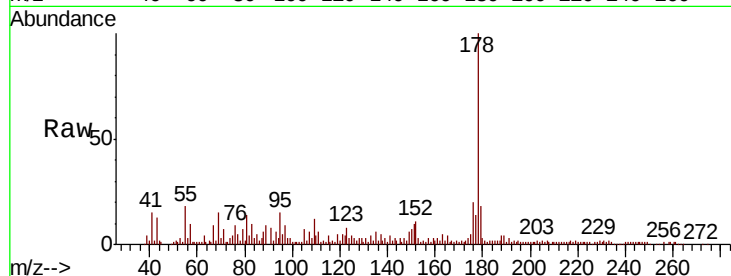
Tot Ion:178 Resp: 86918

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

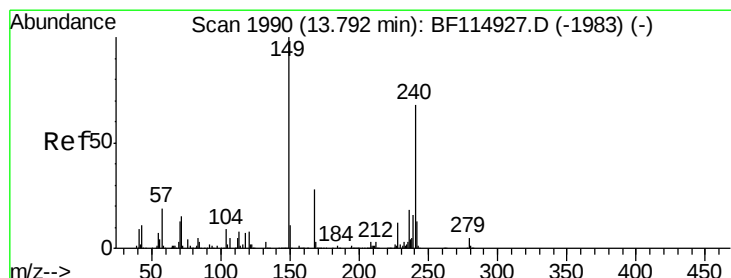
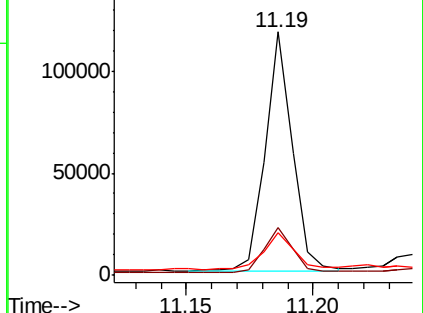
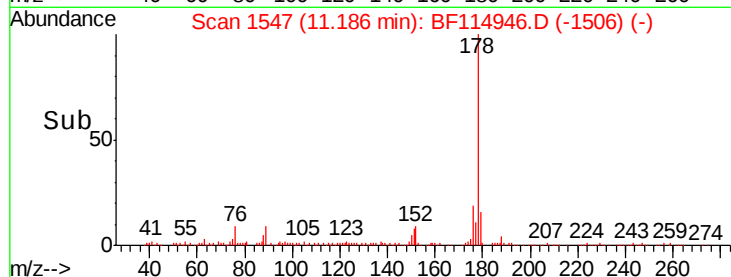
179 17.6 13.4 20.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

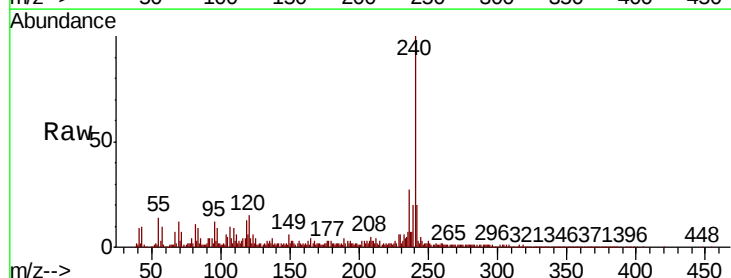
Tgt Ion:240 Resp: 561282

Ion Ratio Lower Upper

240 100

120 14.6 9.2 13.8#

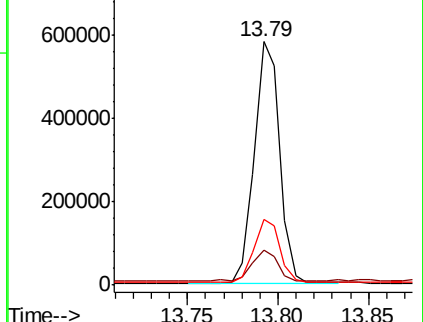
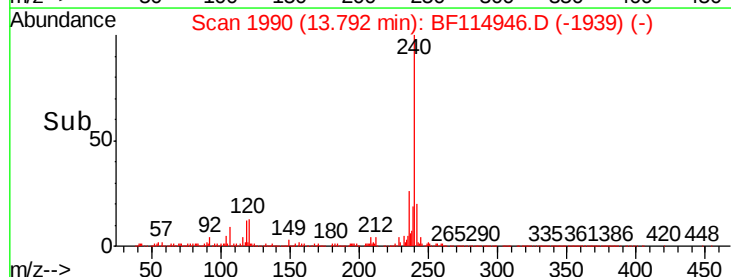
236 27.2 21.7 32.5

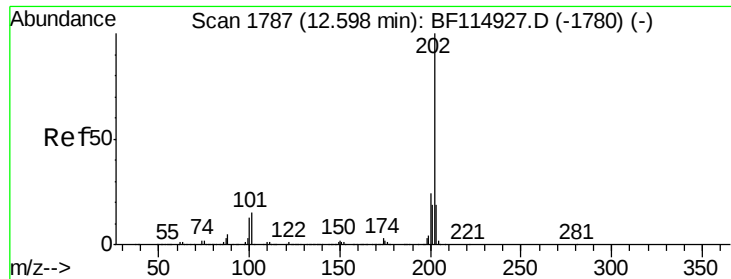


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

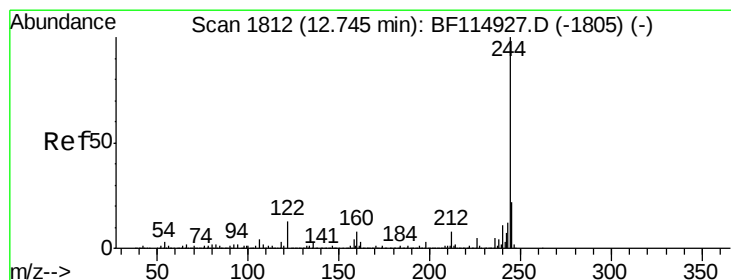
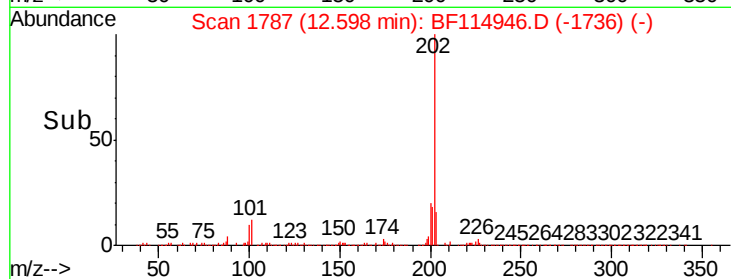
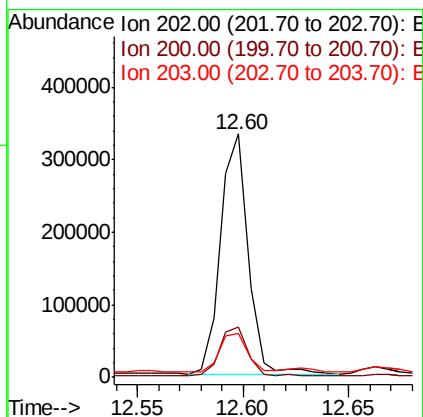
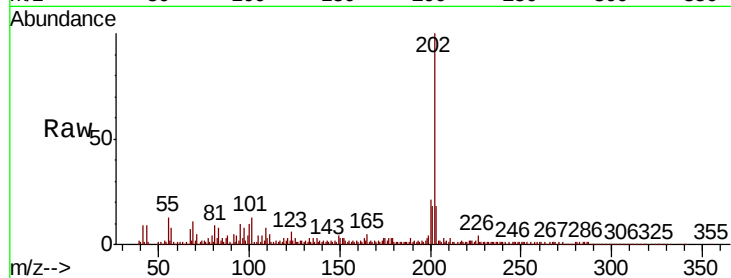




#78
Pvrene
Concen: 6.105 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

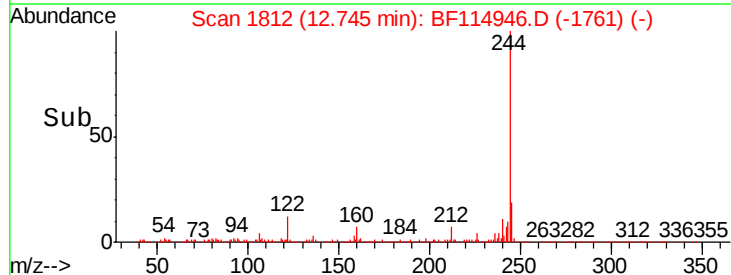
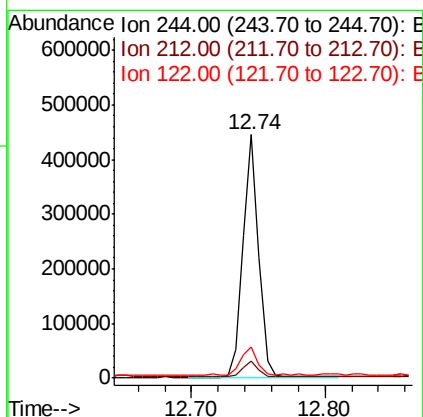
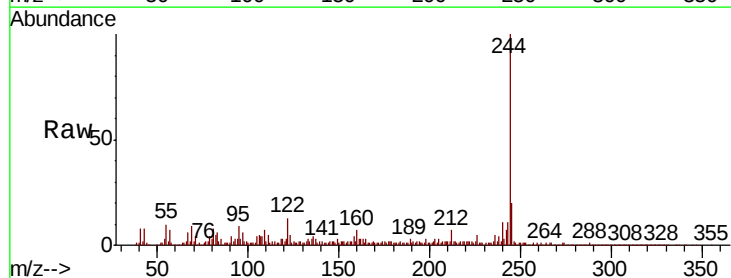
Instrument :
BNA_F
ClientSampleId :

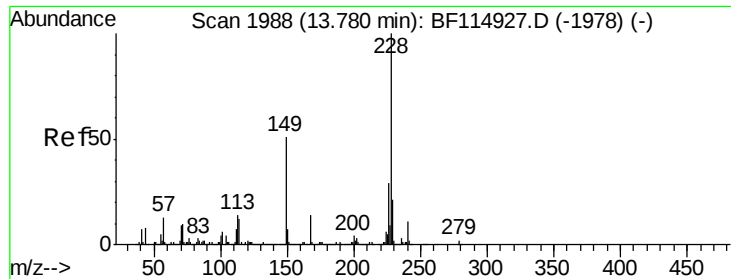
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.9	28.3
203	17.9	15.2	22.8



#79
Terphenyl-d14
Concen: 12.741 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	12.9	10.2	15.4





#81

Benzo(a)anthracene

Concen: 6.747 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.04 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

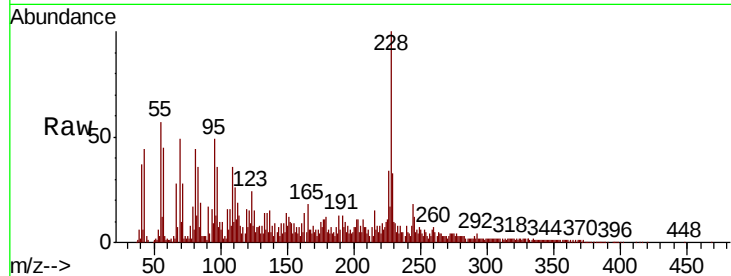
Tot Ion:228 Resp: 279992

Ion Ratio Lower Upper

228 100

226 33.6 22.8 34.2

229 33.1 16.6 25.0#

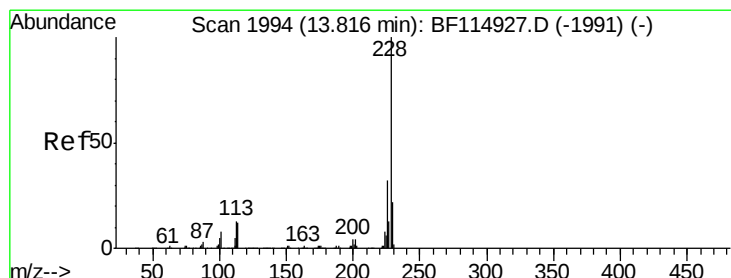
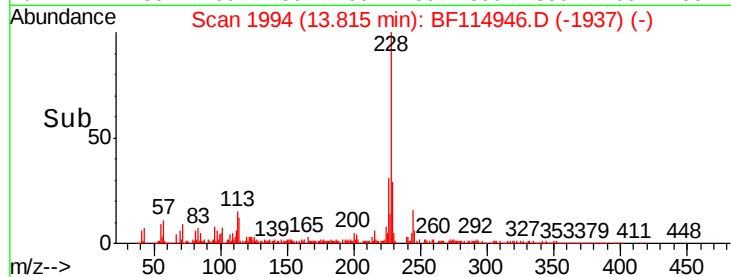
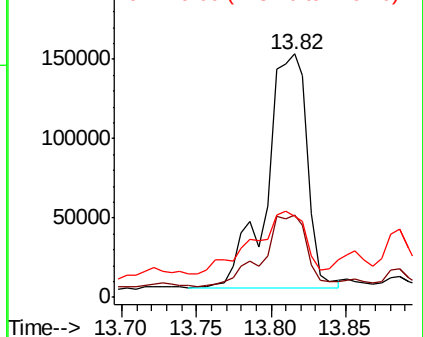


Abundance

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: 6.718 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

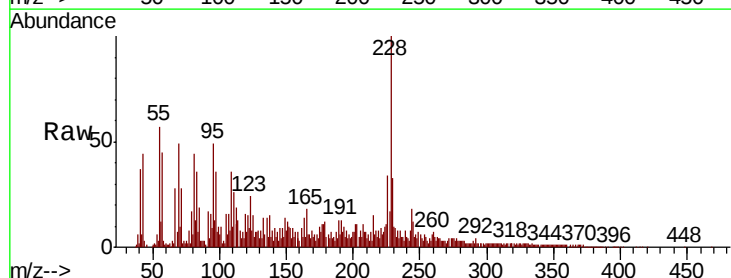
Tgt Ion:228 Resp: 279992

Ion Ratio Lower Upper

228 100

226 33.6 25.8 38.8

229 33.1 17.2 25.8#

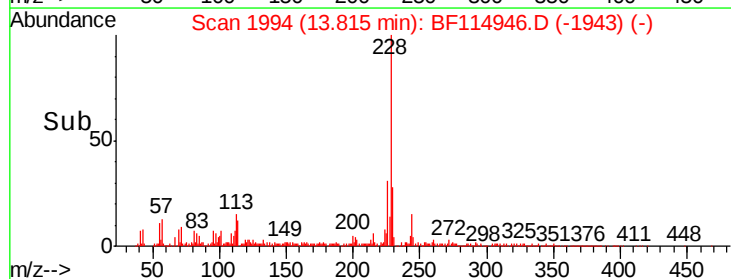
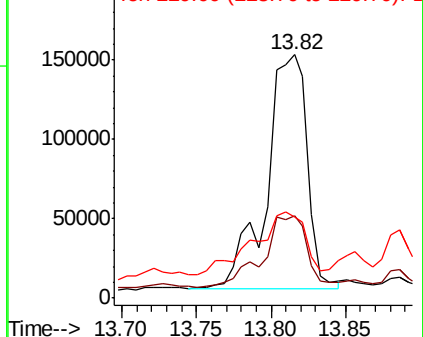


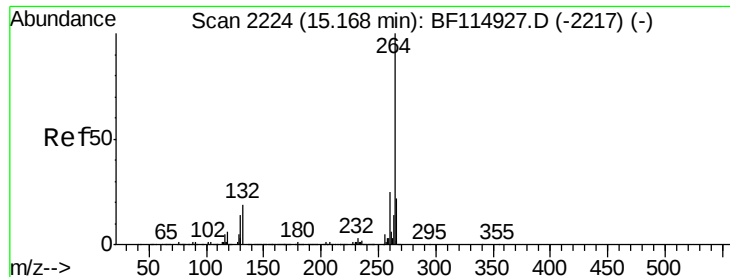
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.04 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

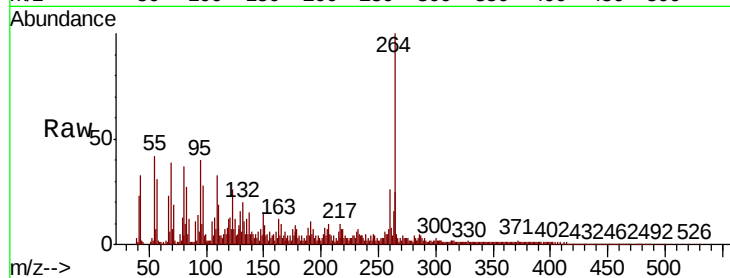
Tot Ion:264 Resp: 373309

Ion Ratio Lower Upper

264 100

260 25.7 19.7 29.5

265 25.0 17.5 26.3

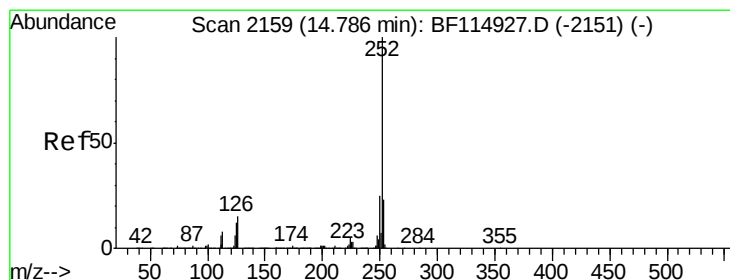
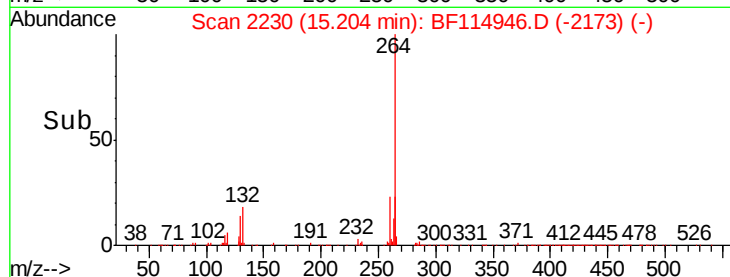
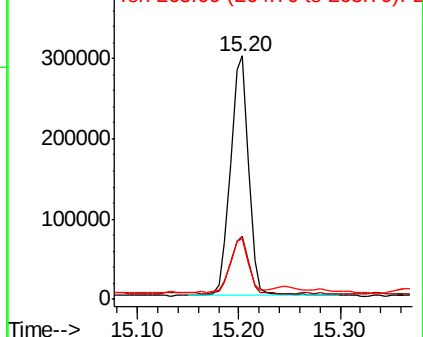


Abundance

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: 2.879 ng

RT: 14.81 min Scan# 2163

Delta R.T. 0.02 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

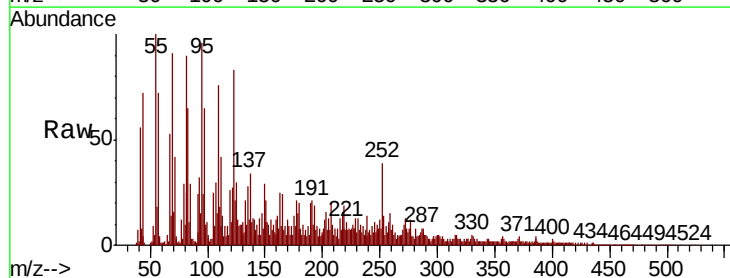
Tgt Ion:252 Resp: 69977

Ion Ratio Lower Upper

252 100

253 35.6 18.6 28.0#

125 77.3 9.5 14.3#

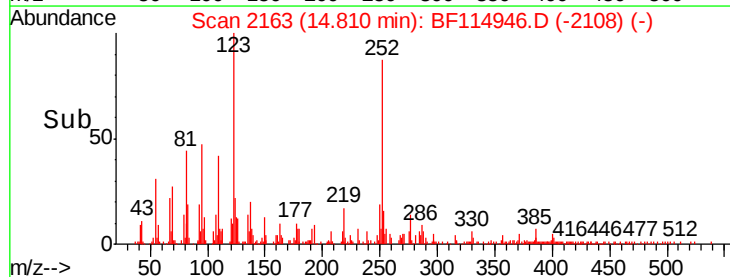
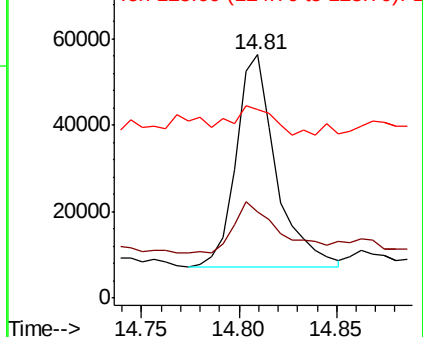


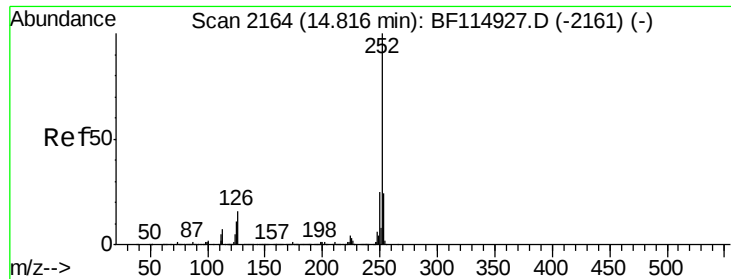
Abundance

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: 3.318 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

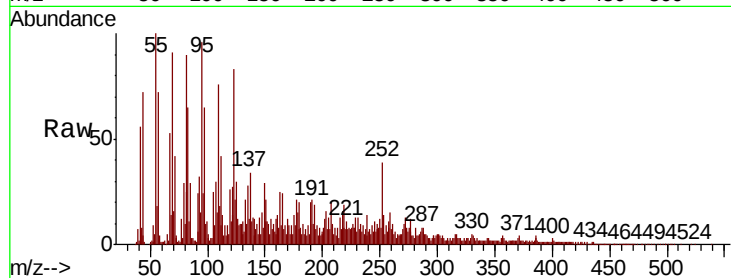
Tot Ion:252 Resp: 69977

Ion Ratio Lower Upper

252 100

253 35.6 18.6 28.0#

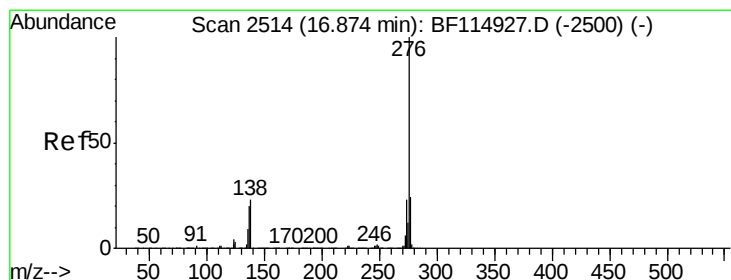
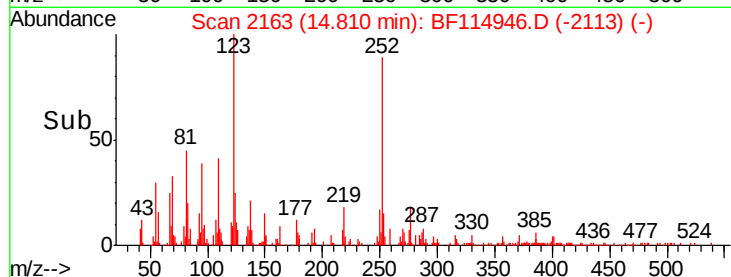
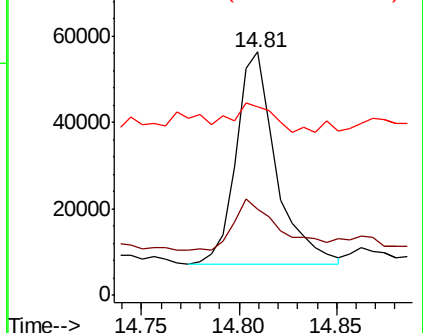
125 77.3 9.2 13.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.200 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.04 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

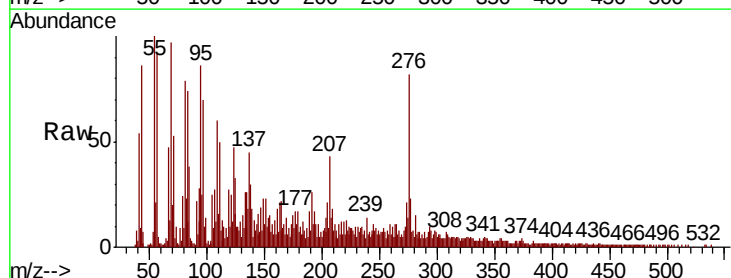
Tgt Ion:276 Resp: 92420

Ion Ratio Lower Upper

276 100

277 28.1 19.0 28.6

138 36.3 18.7 28.1#



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

