

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116820.D
 Acq On : 4 Sep 2019 17:21
 Operator : HP/JU
 Sample : K4639-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:07:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	59899	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	240792	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	122334	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	185894	20.00	ng	0.00
76) Chrysene-d12	14.00	240	143916	20.00	ng	0.00
87) Perylene-d12	15.46	264	127439	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	369632	99.97	ng	0.00
7) Phenol-d6	6.48	99	498905	102.76	ng	0.00
23) Nitrobenzene-d5	7.40	82	304343	72.15	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	97117	118.75	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	540557	74.54	ng	0.00
79) Terphenyl-d14	12.95	244	461099	59.27	ng	0.00

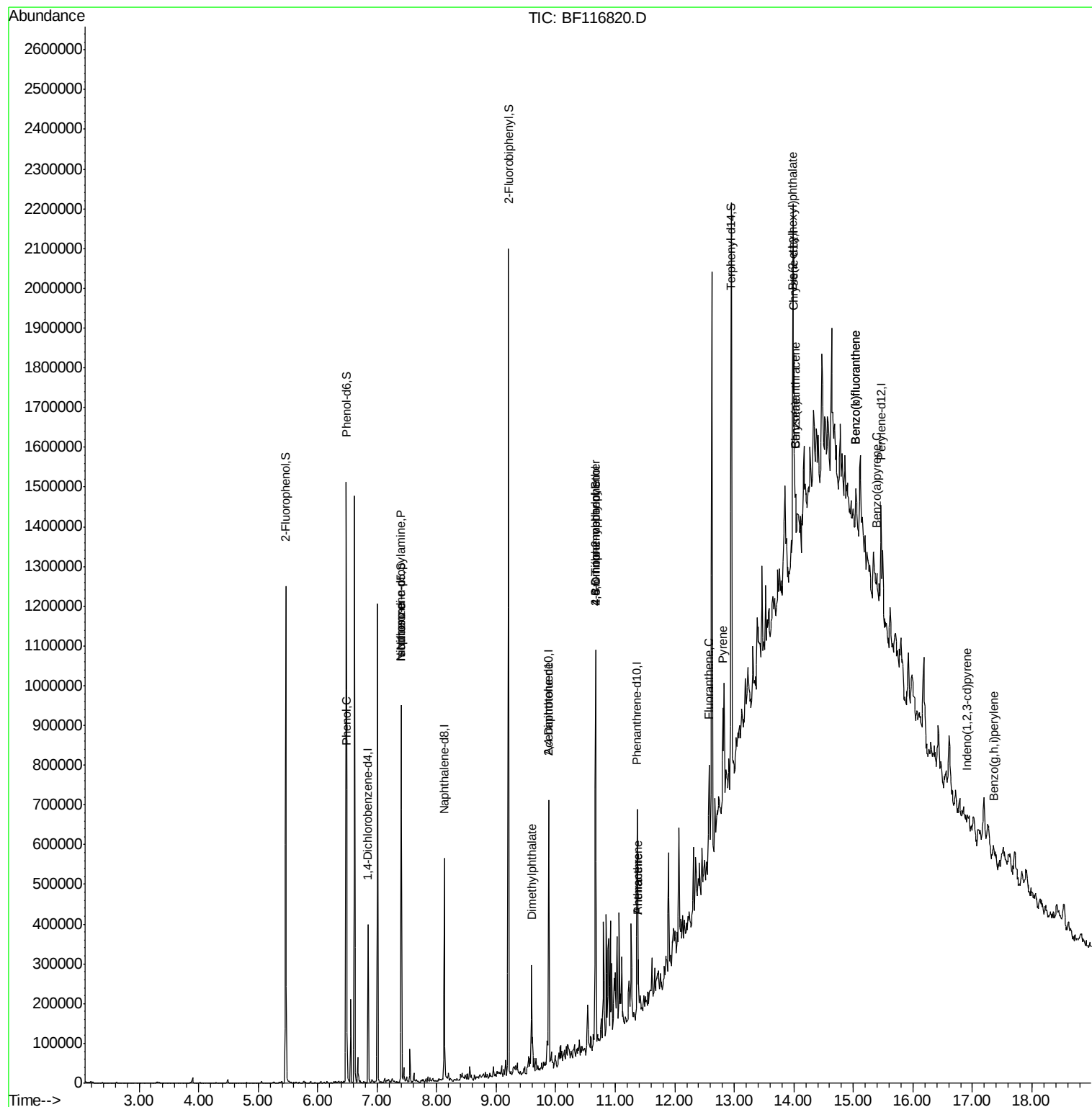
Target Compounds				Qvalue		
10) Phenol	6.49	94	15657	2.912	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	41125	12.865	ng	# 74
25) Isophorone	7.40	82	304340	35.608	ng	# 66
50) Dimethylphthalate	9.59	163	82017	9.711	ng	99
57) 2,4-Dinitrotoluene	9.88	165	16999	8.627	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	111	7.588	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	6319	3.346	ng	# 1
71) Phenanthrene	11.39	178	43111	4.166	ng	97
72) Anthracene	11.39	178	43111	4.139	ng	98
75) Fluoranthene	12.58	202	91325	8.980	ng	99
78) Pyrene	12.80	202	78428	6.130	ng	97
81) Benzo(a)anthracene	14.03	228	50169	5.508	ng	93
83) Chrysene	14.03	228	50169	5.346	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.99	149	262225	34.145	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	15697	2.083	ng	96
88) Benzo(b)fluoranthene	15.04	252	62604	8.125	ng	# 41
89) Benzo(k)fluoranthene	15.04	252	62604	8.912	ng	# 40
90) Benzo(a)pyrene	15.40	252	18758	2.798	ng	# 1
92) Benzo(a,h,i)perylene	17.36	276	17277	2.887	ng	# 74

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

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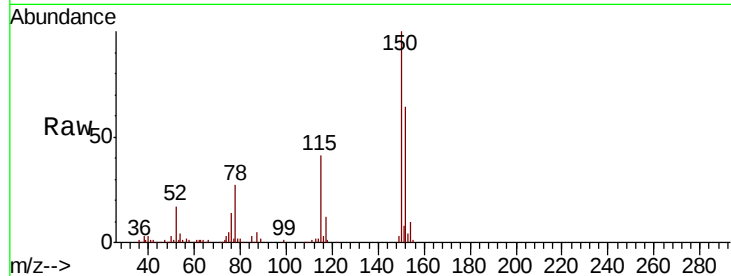


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.4	186.6
115	63.9	49.9	74.9

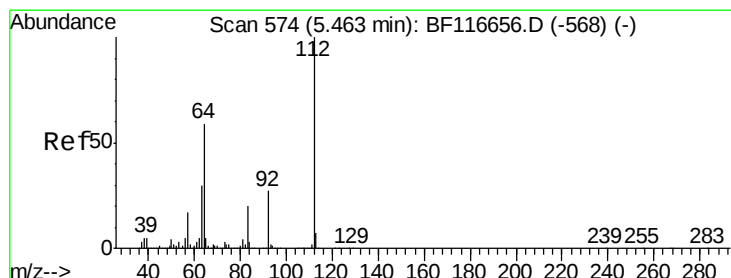
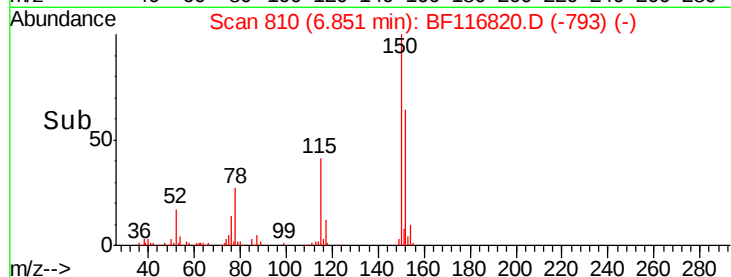
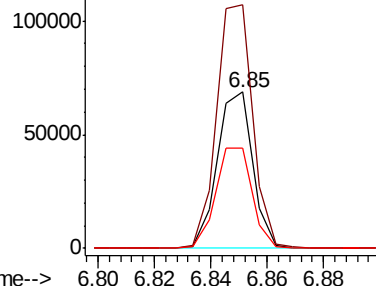


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

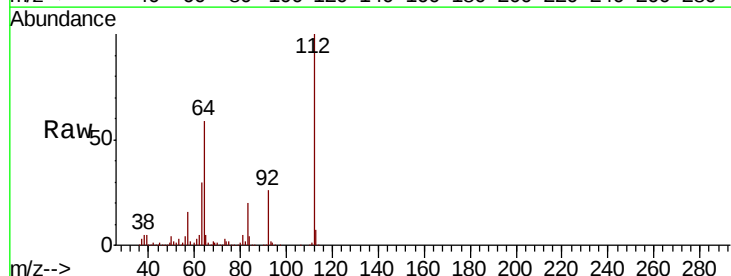
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.972 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.1	70.7
63	30.3	24.9	37.3

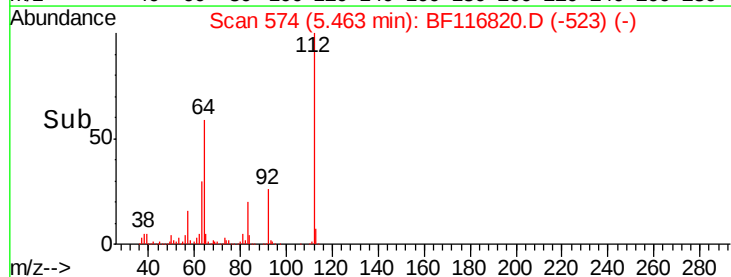
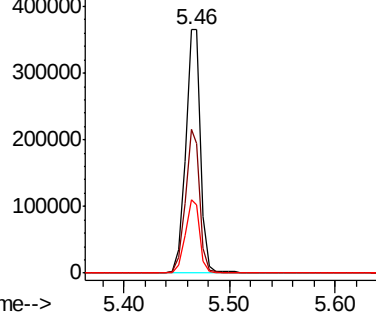


Abundance

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: 102.761 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :

BNA_F

ClientSampleId :

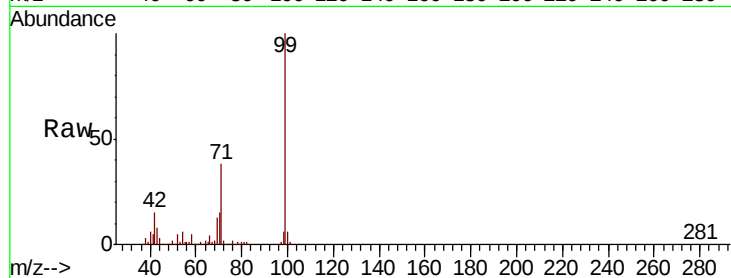
Tot Ion: 99 Resp: 498905

Ion Ratio Lower Upper

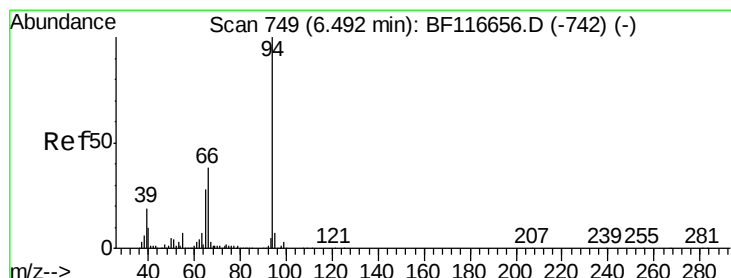
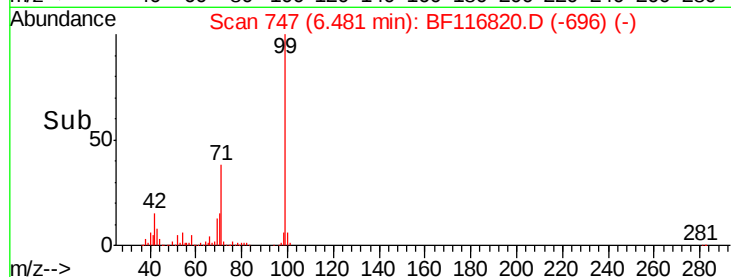
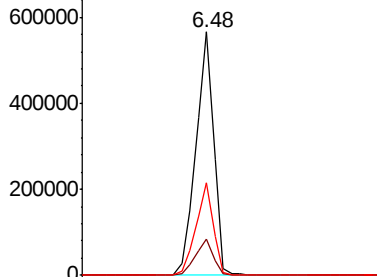
99 100

42 15.1 13.7 20.5

71 37.9 30.8 46.2



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: 2.912 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

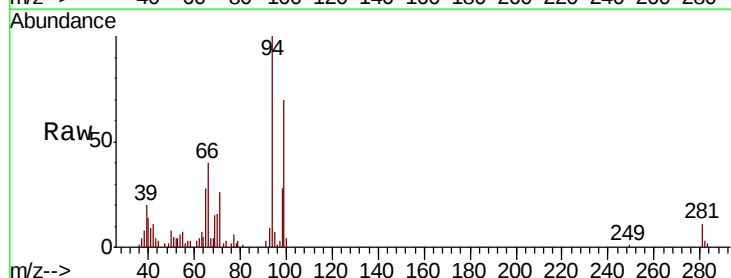
Tgt Ion: 94 Resp: 15657

Ion Ratio Lower Upper

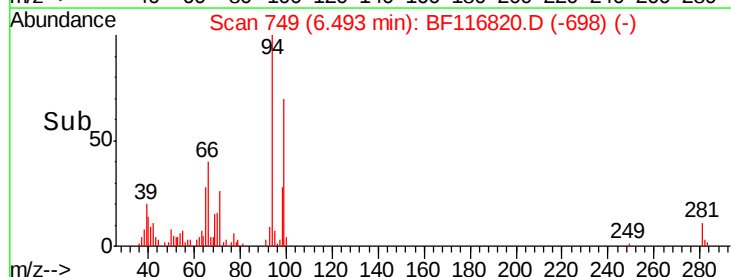
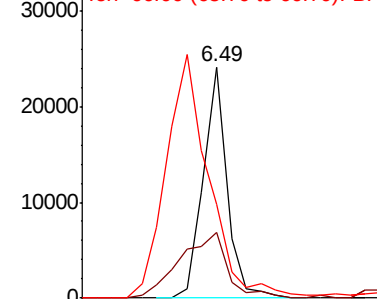
94 100

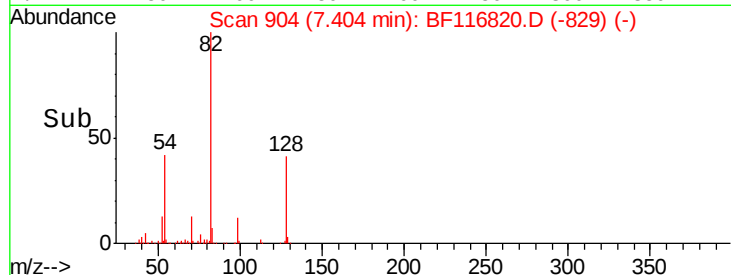
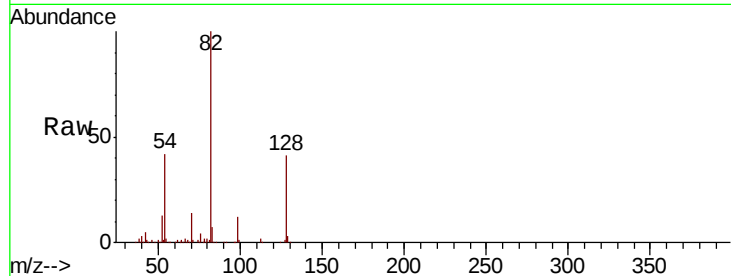
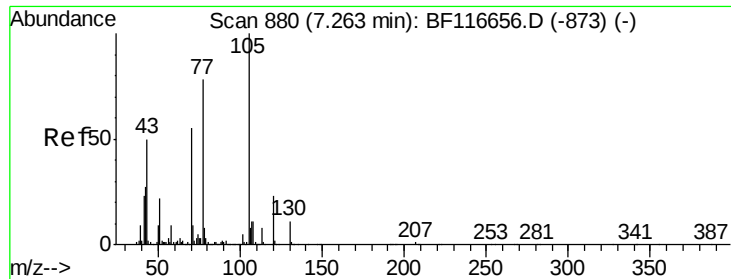
65 28.3 10.8 50.8

66 40.4 21.1 61.1



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

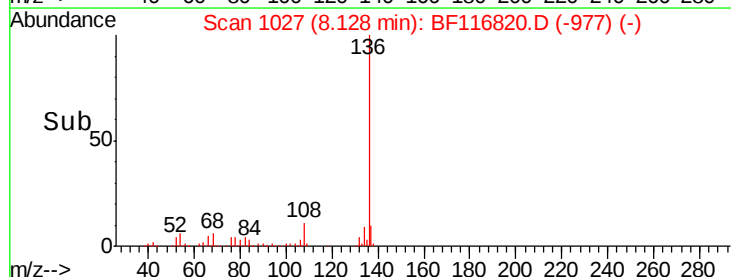
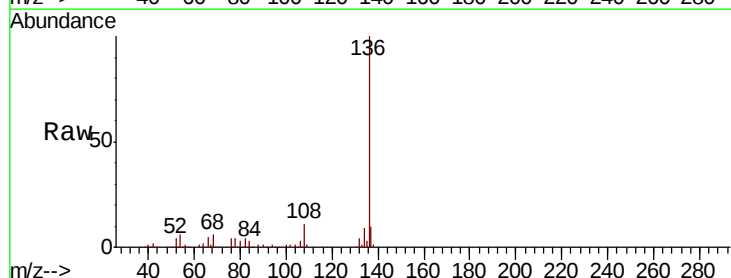
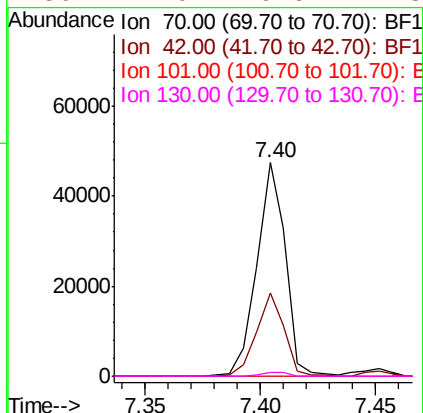




#19
n-Nitroso-di-n-propylamine
Concen: 12.865 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

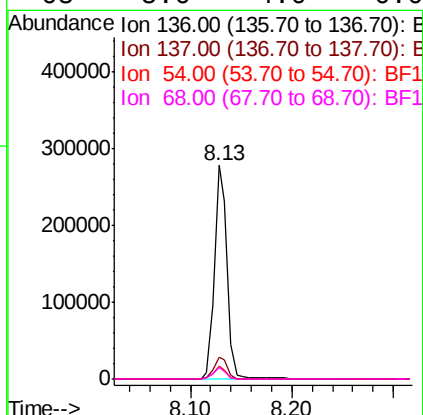
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	41125
Ion	Ratio	Lower	Upper
70	100		
42	39.1	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion:	136	Resp:	240792
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.8	4.8	7.2
68	5.6	4.0	6.0

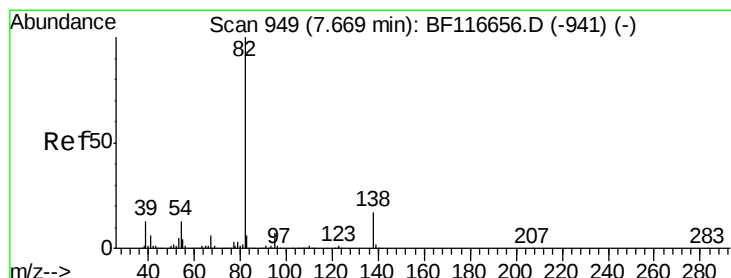
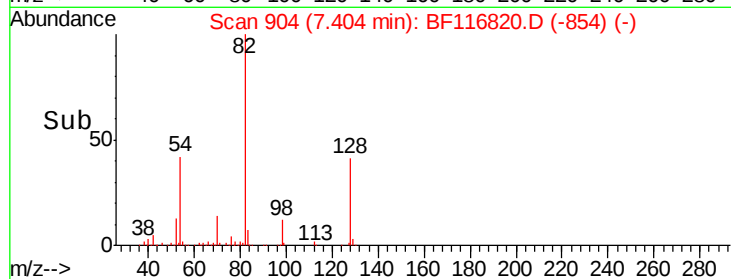
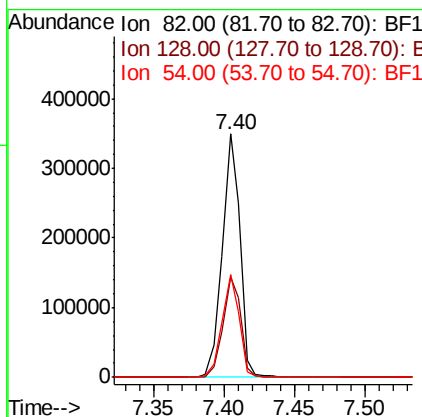
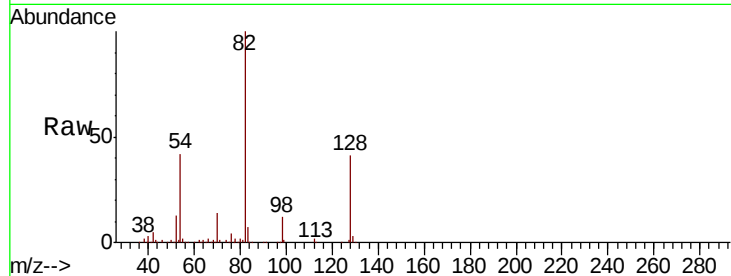




#23
 Nitrobenzene-d5
 Concen: 72.154 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116820.D
 Acq: 4 Sep 2019 17:21

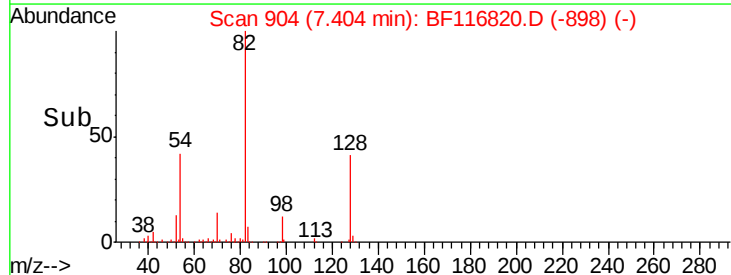
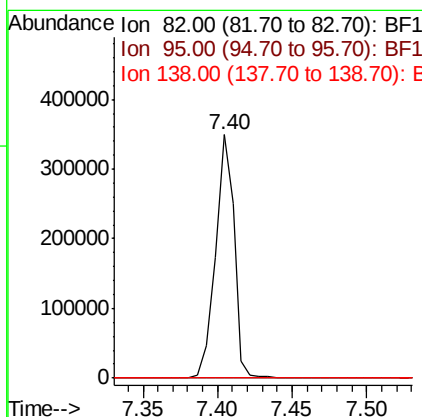
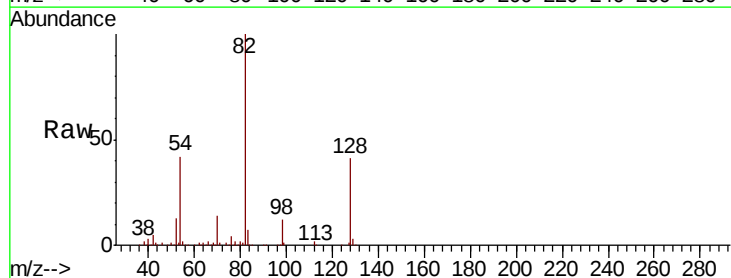
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	304343
Ion Ratio	Lower	Upper	
82	100		
128	41.3	32.8	49.2
54	42.0	36.9	55.3



#25
 Isophorone
 Concen: 35.608 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116820.D
 Acq: 4 Sep 2019 17:21

Tgt Ion	82	Resp	304340
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

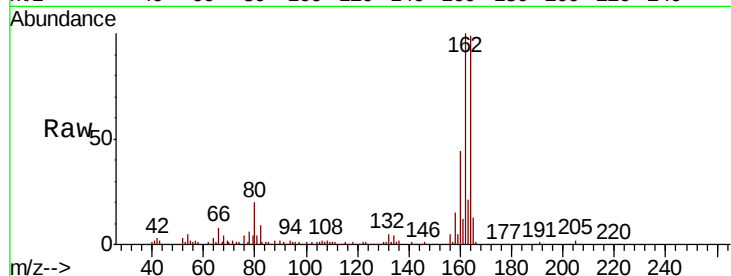




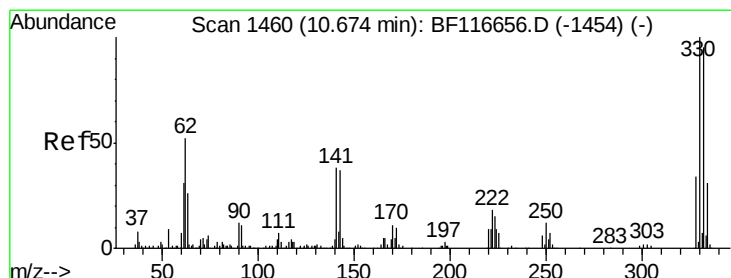
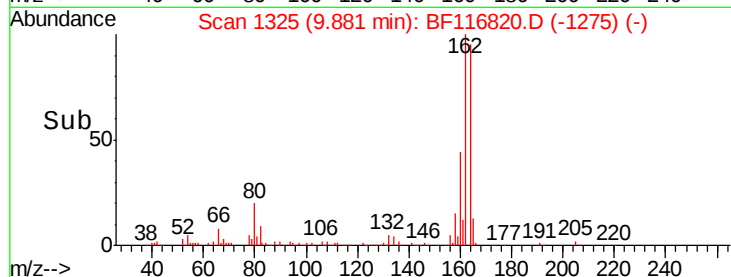
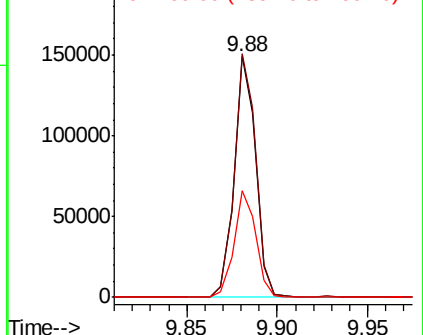
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 122334
Ion Ratio Lower Upper
164 100
162 101.2 81.4 122.0
160 44.2 35.4 53.2

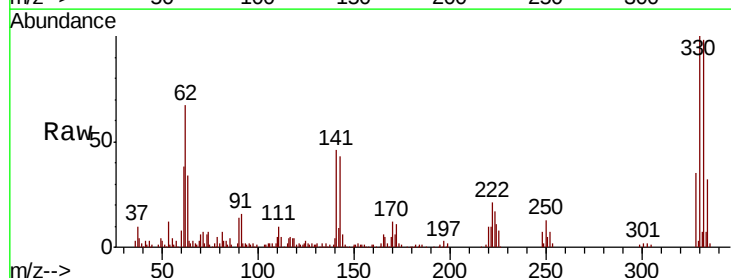


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

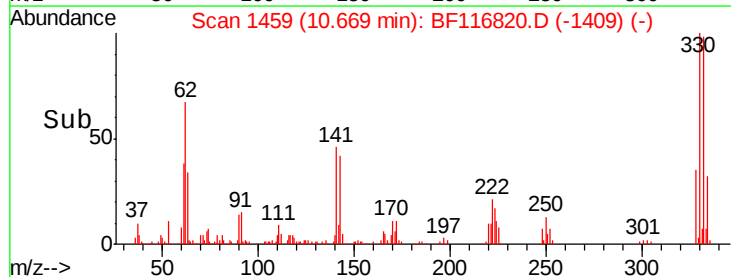
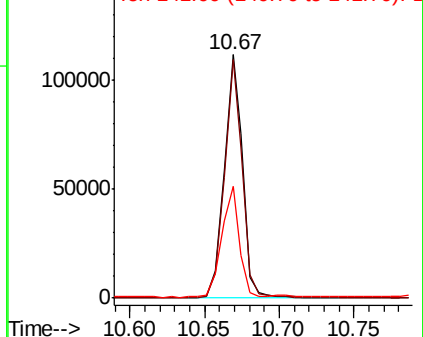


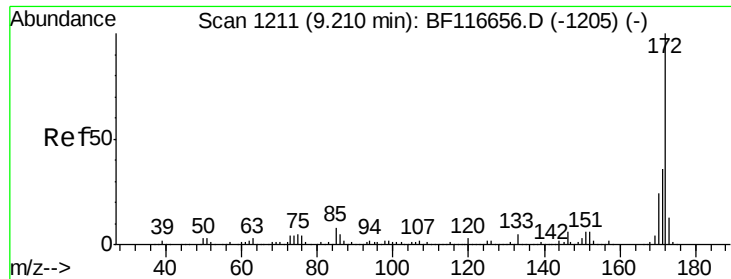
#42
2,4,6-Tribromophenol
Concen: 118.750 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion:330 Resp: 97117
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 44.0 31.4 47.2



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

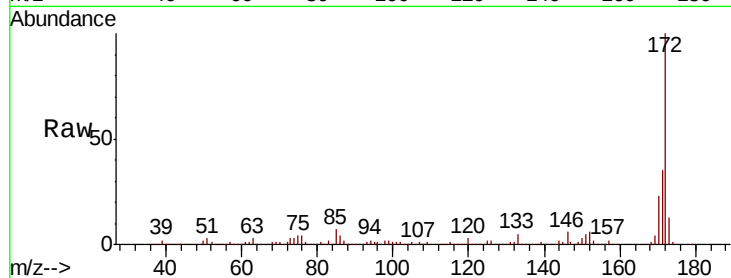




#45
2-Fluorobiphenyl
Concen: 74.539 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.4	18.9	28.3

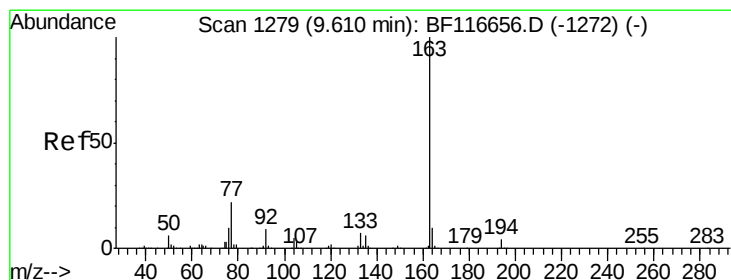
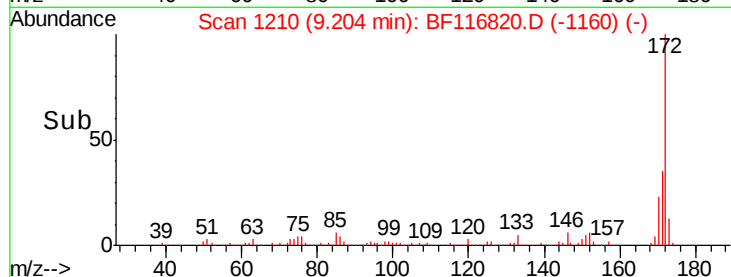
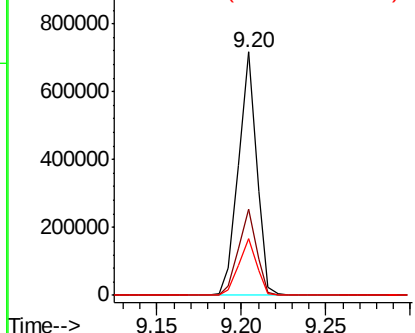


Abundance

Ion 172.00 (171.70 to 172.70): E

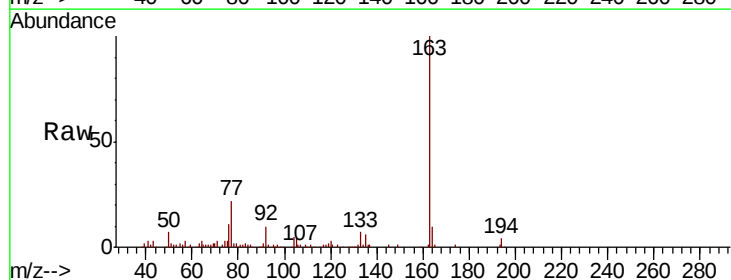
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.711 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.5	8.6	12.8

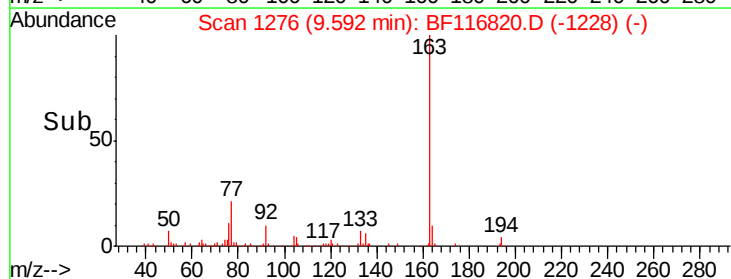
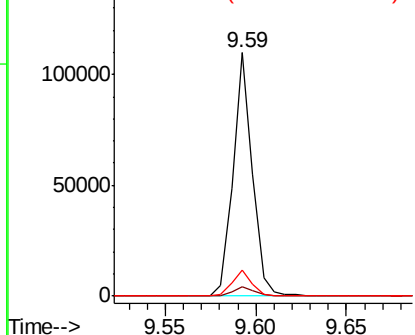


Abundance

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





#57

2,4-Dinitrotoluene

Concen: 8.627 ng

RT: 9.88 min Scan# 1325

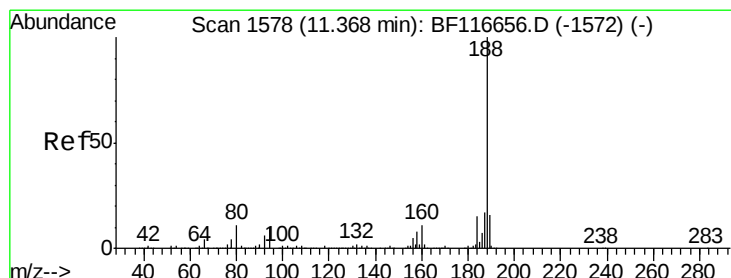
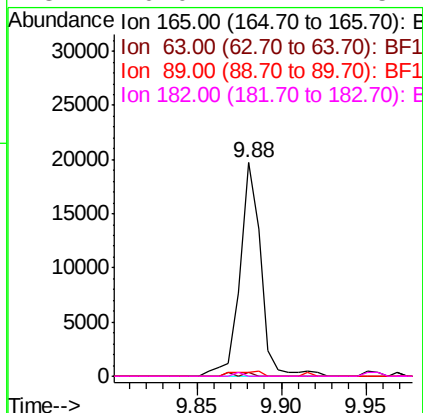
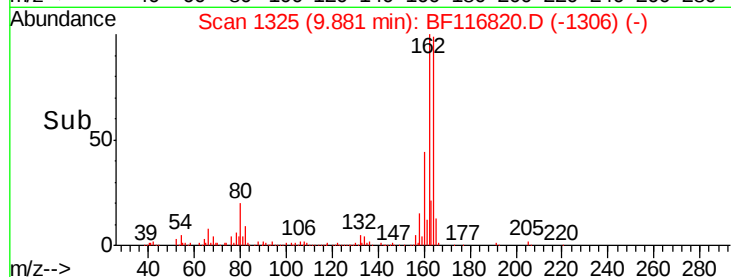
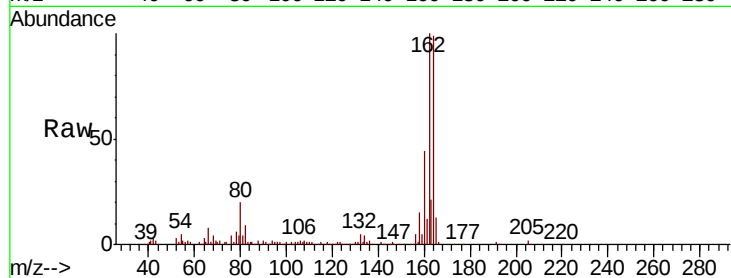
Delta R.T. -0.19 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	16999
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

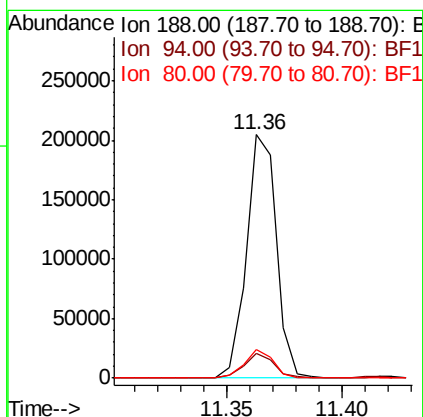
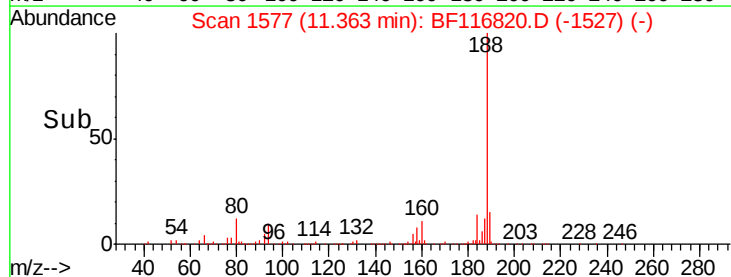
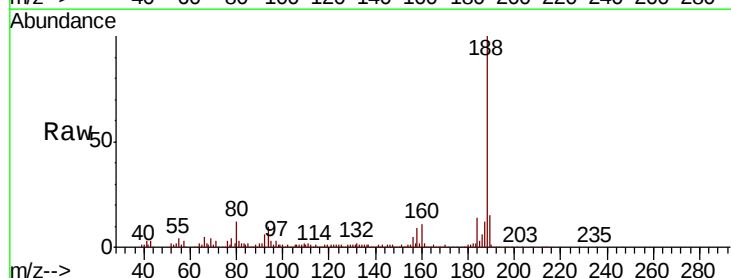
RT: 11.36 min Scan# 1577

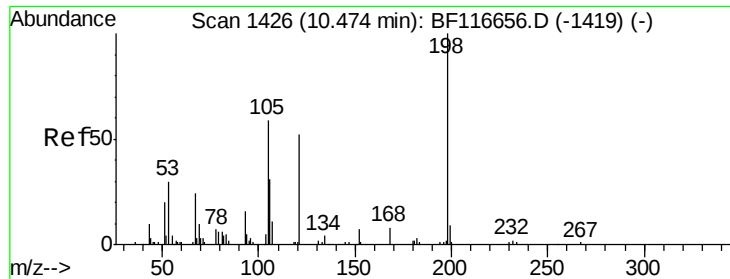
Delta R.T. -0.01 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Tgt Ion:	188	Resp:	185894
Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.3	10.9
80	11.9	8.4	12.6

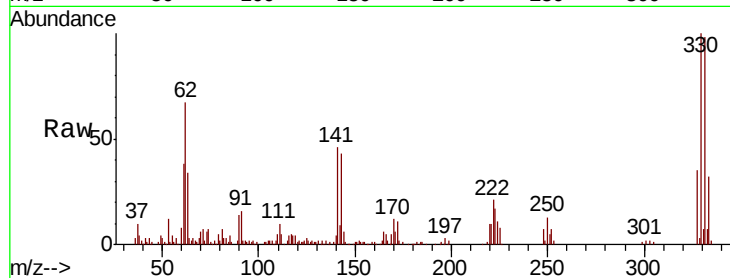




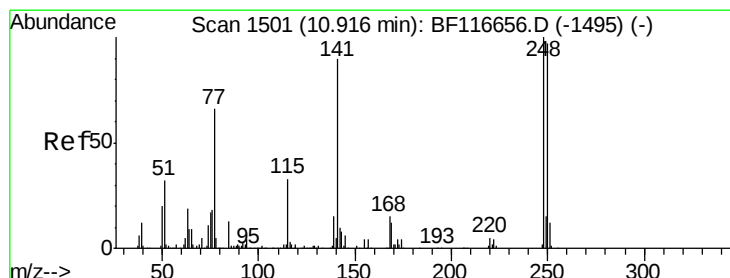
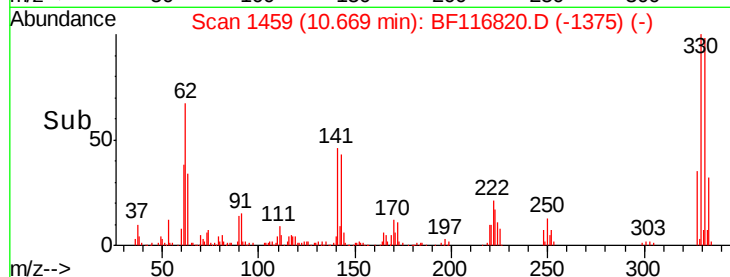
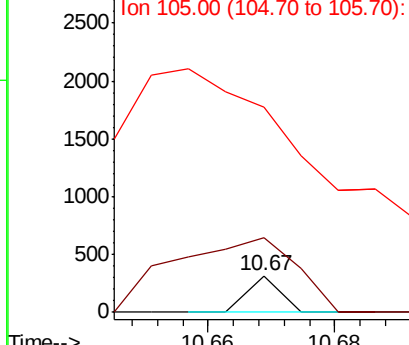
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.588 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116820.D
 Acq: 4 Sep 2019 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 111
 Ion Ratio Lower Upper
 198 100
 51 205.1 18.4 58.4#
 105 562.2 22.9 62.9#

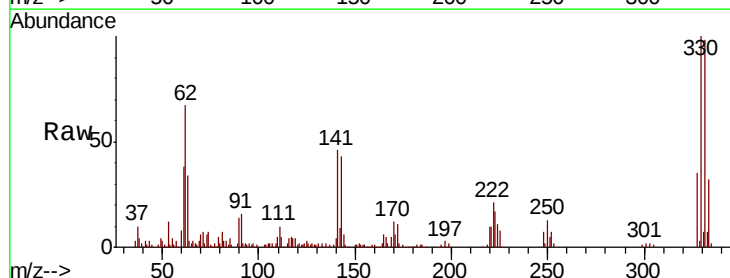


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

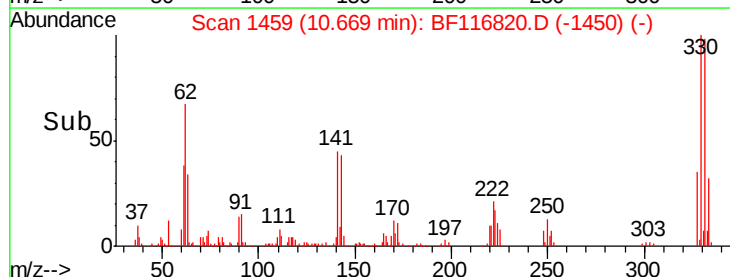
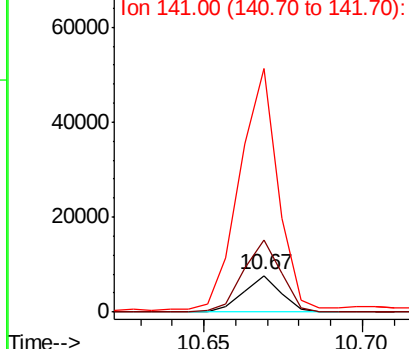


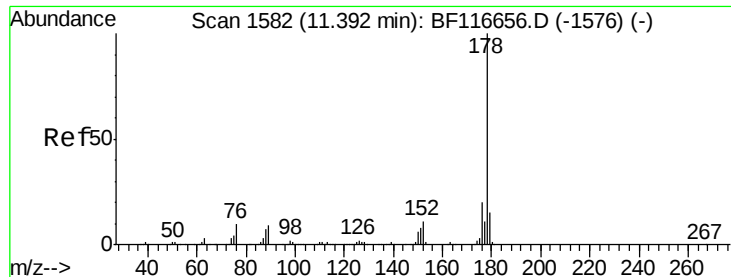
#67
 4-Bromophenyl-phenylether
 Concen: 3.346 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116820.D
 Acq: 4 Sep 2019 17:21

Tgt Ion:248 Resp: 6319
 Ion Ratio Lower Upper
 248 100
 250 197.1 77.8 116.8#
 141 670.8 75.9 113.9#



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: 4.166 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :

BNA_F

ClientSampleId :

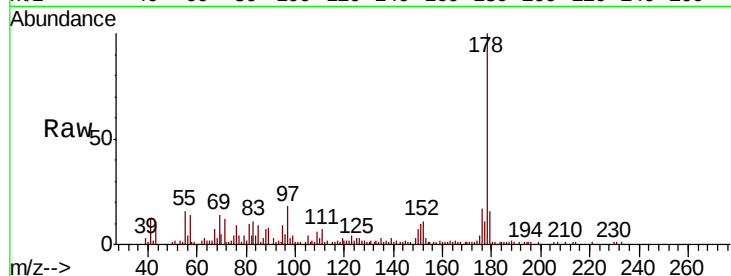
Tot Ion:178 Resp: 43111

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

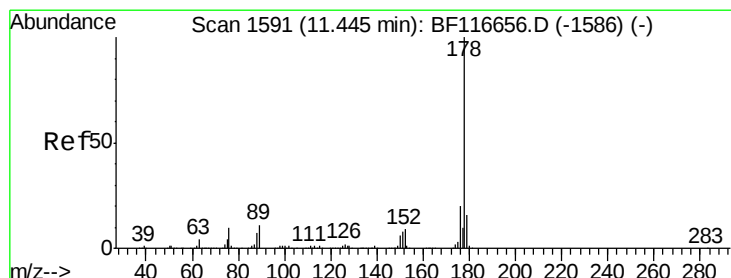
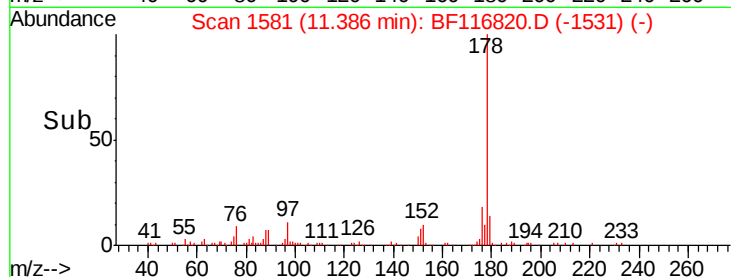
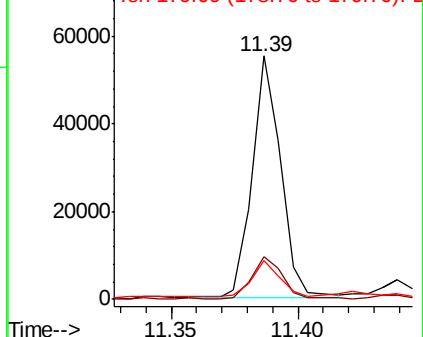
179 15.7 12.2 18.2



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



#72

Anthracene

Concen: 4.139 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

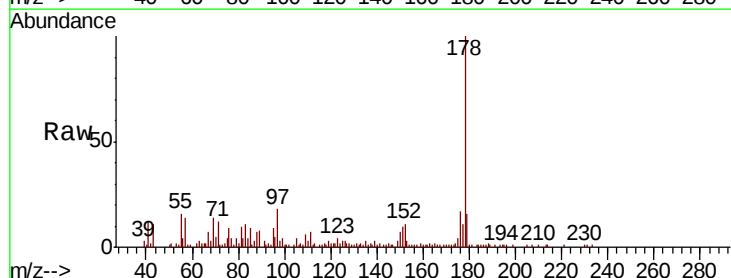
Tgt Ion:178 Resp: 43111

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

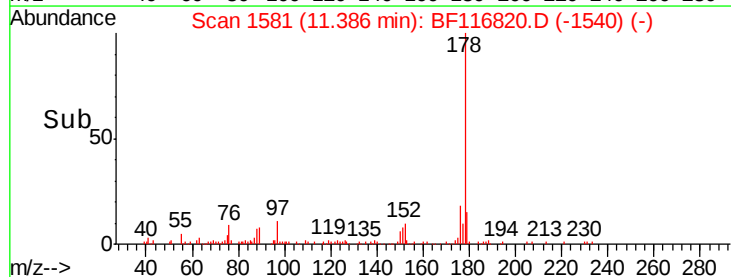
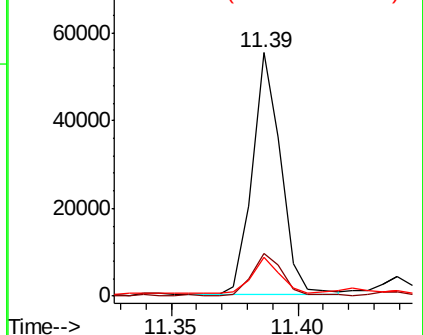
179 15.7 12.5 18.7

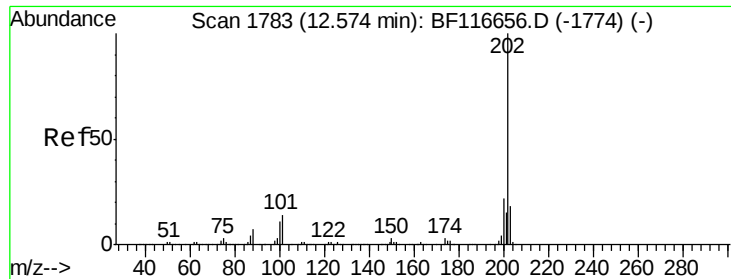


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.980 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :

BNA_F

ClientSampled :

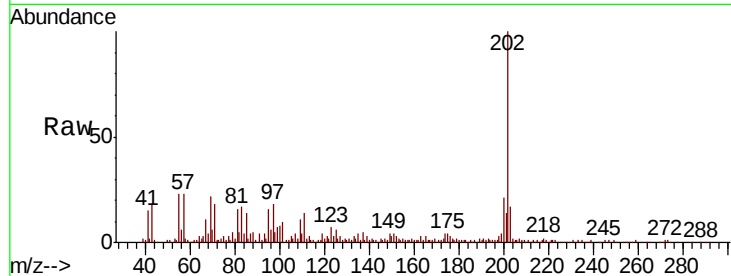
Tot Ion:202 Resp: 91325

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

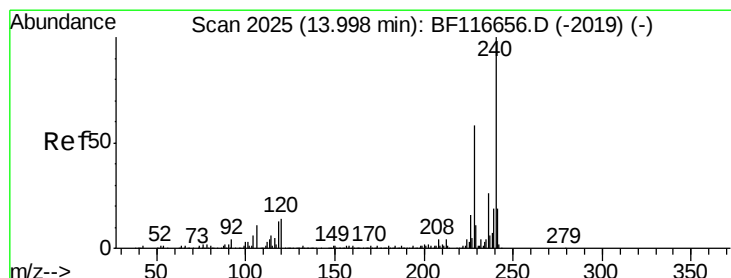
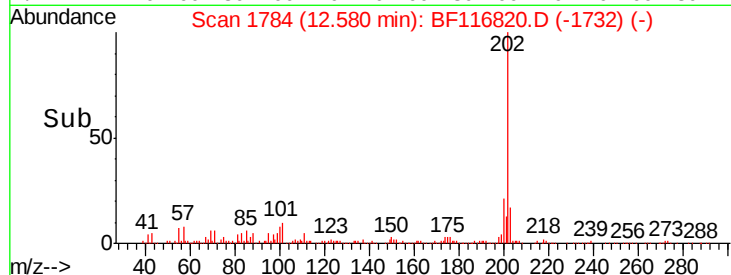
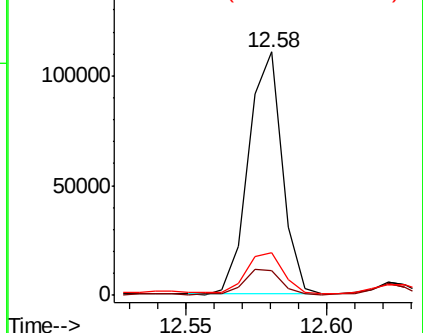
203 17.3 0.0 37.6



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: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

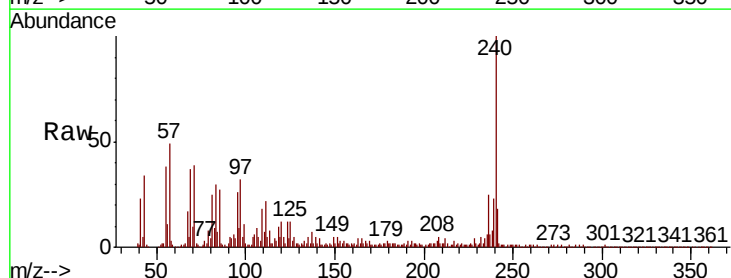
Tgt Ion:240 Resp: 143916

Ion Ratio Lower Upper

240 100

120 11.5 9.1 13.7

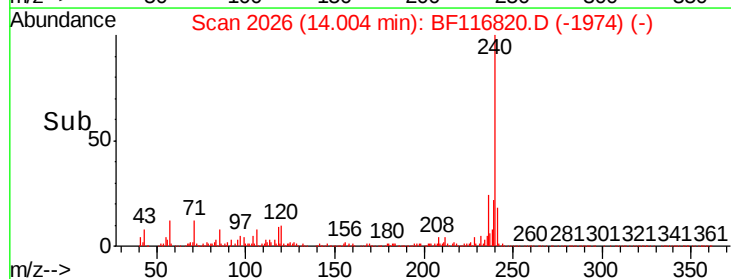
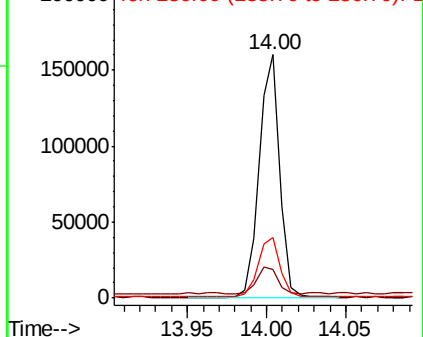
236 24.9 21.1 31.7

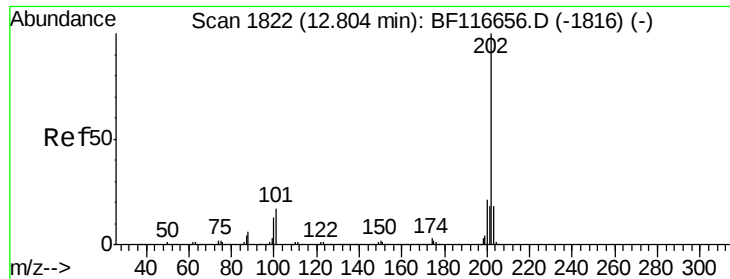


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

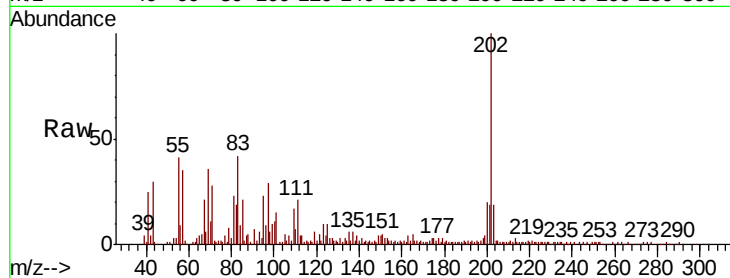




#78
Pvrene
Concen: 6.130 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.5	24.7
203	19.1	13.7	20.5

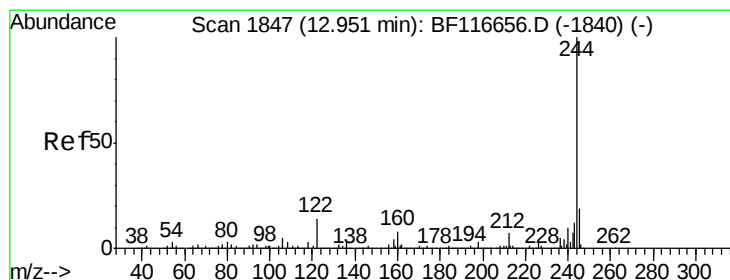
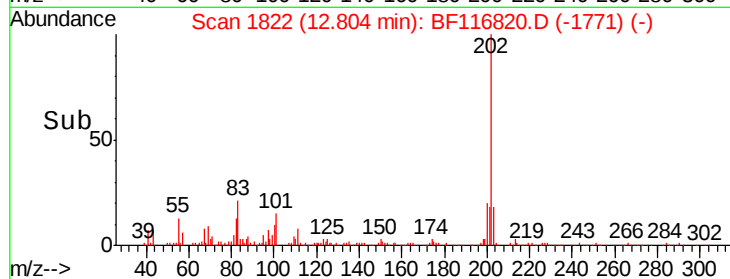
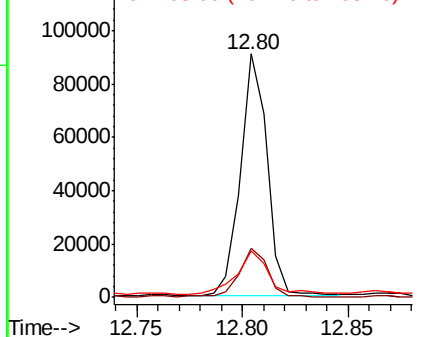


Abundance

Ion 202.00 (201.70 to 202.70): E

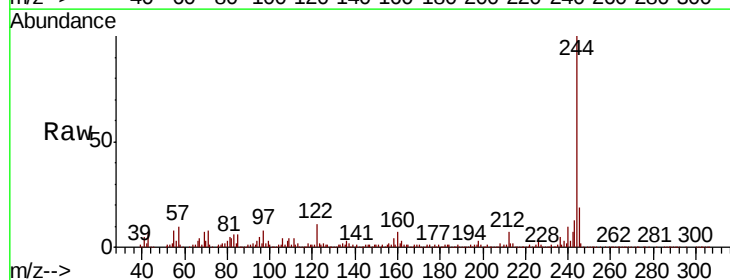
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 59.271 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	11.3	10.2	15.4

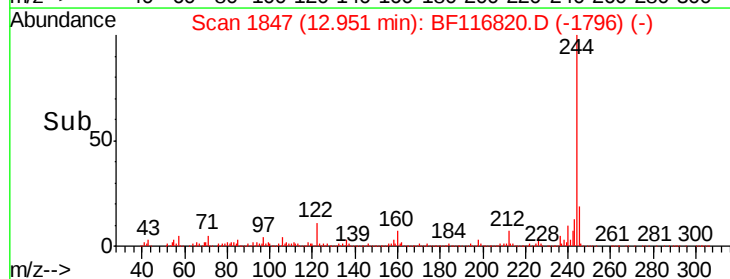
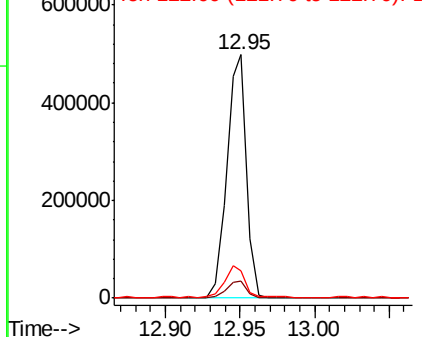


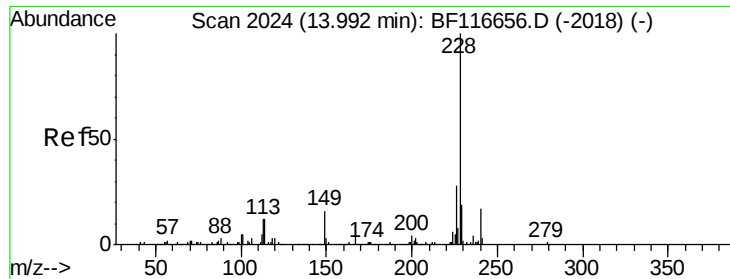
Abundance

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

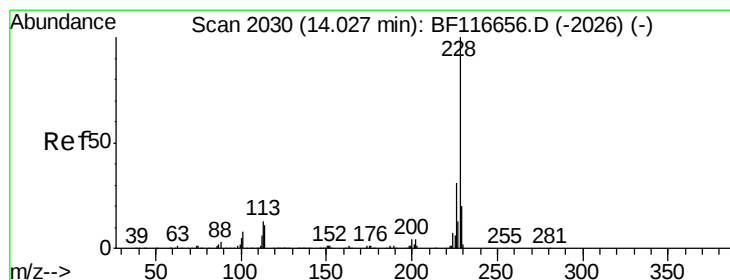
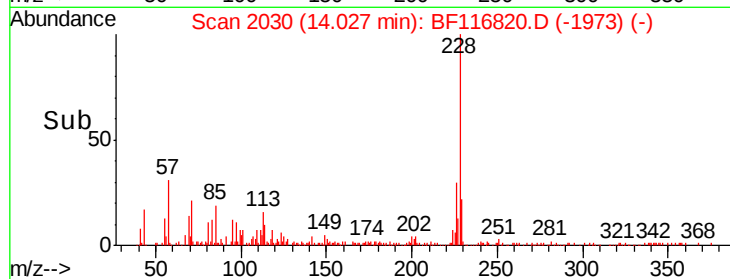
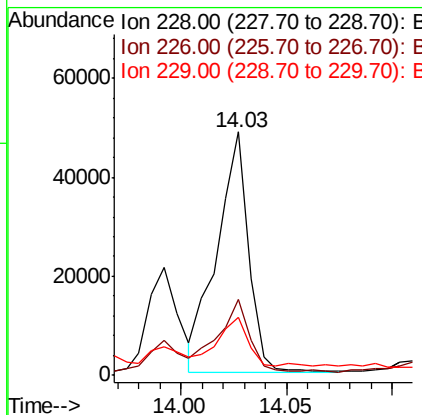
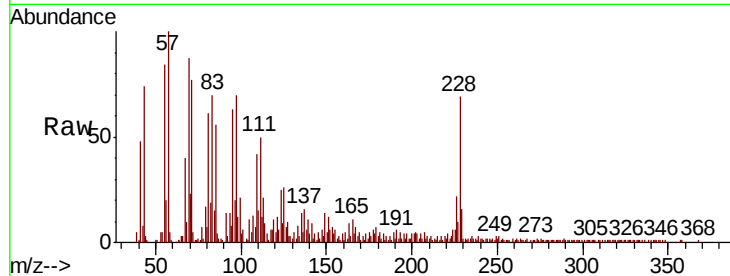




#81
Benzo(a)anthracene
Concen: 5.508 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.04 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

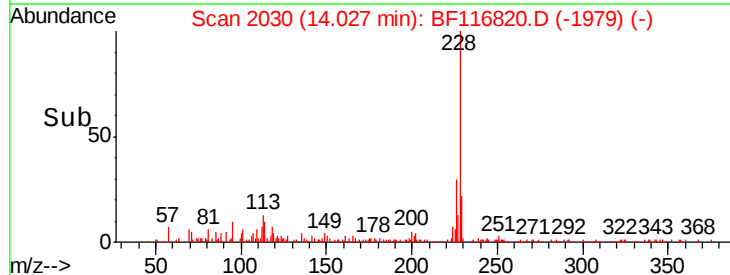
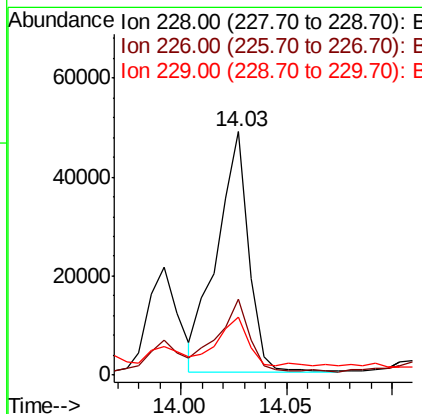
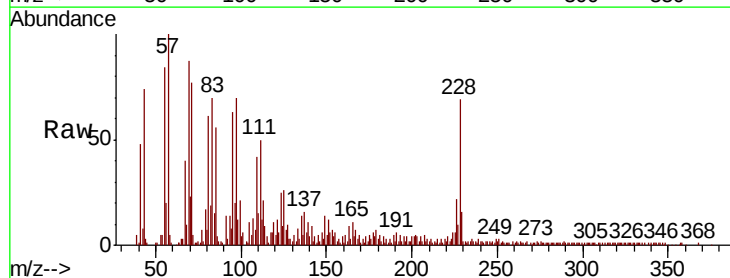
Instrument :
BNA_F
ClientSampleId :

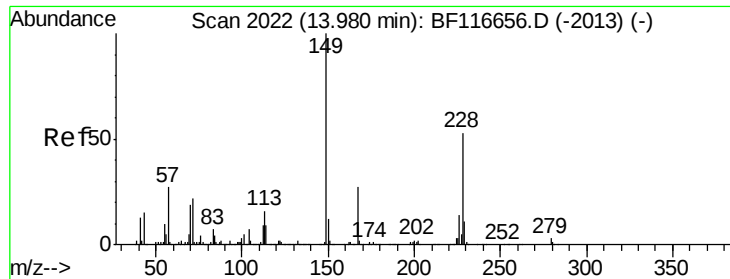
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.0	33.0
229	23.7	16.4	24.6



#83
Chrysene
Concen: 5.346 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	23.7	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 34.145 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :

BNA_F

ClientSampleId :

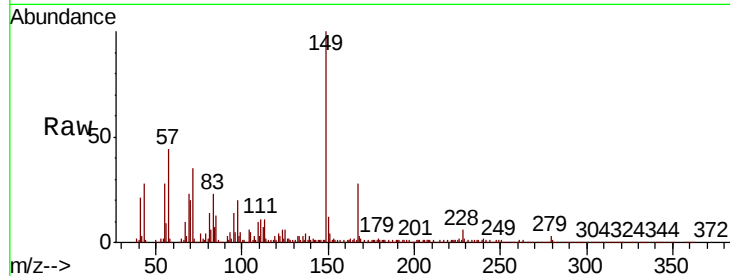
Tot Ion:149 Resp: 262225

Ion Ratio Lower Upper

149 100

167 28.0 21.0 31.4

279 3.5 2.8 4.2

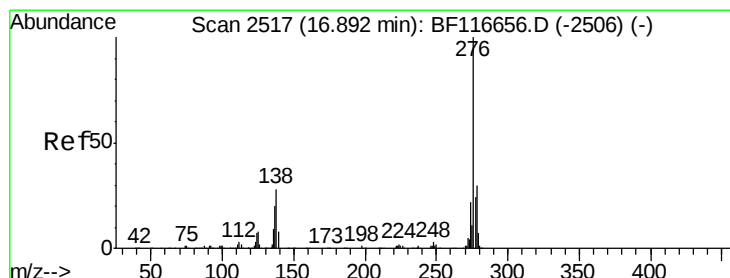
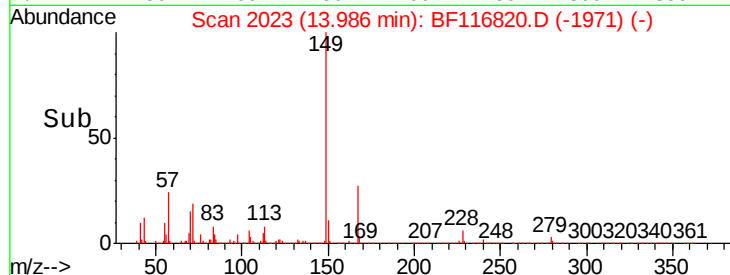
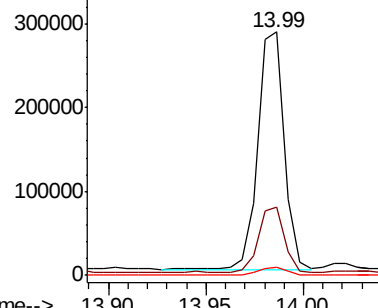


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.083 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.03 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

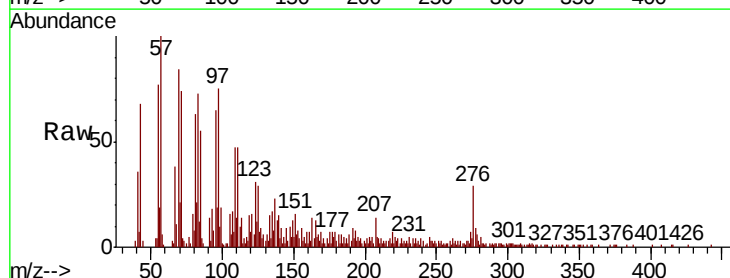
Tgt Ion:276 Resp: 15697

Ion Ratio Lower Upper

276 100

138 25.5 19.4 29.2

277 28.7 20.5 30.7

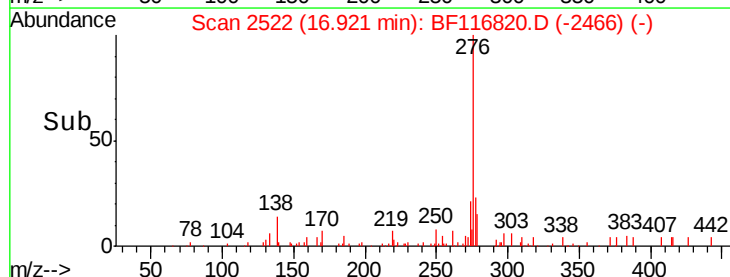
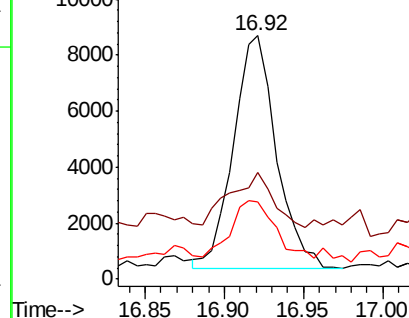


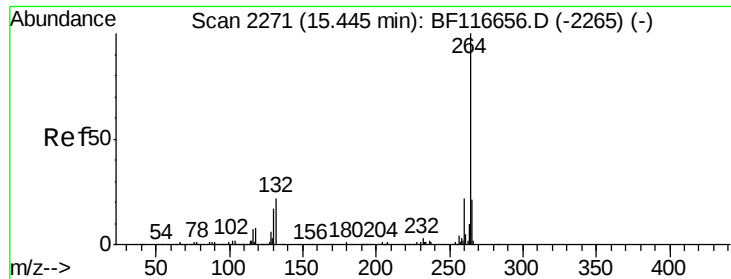
Abundance

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

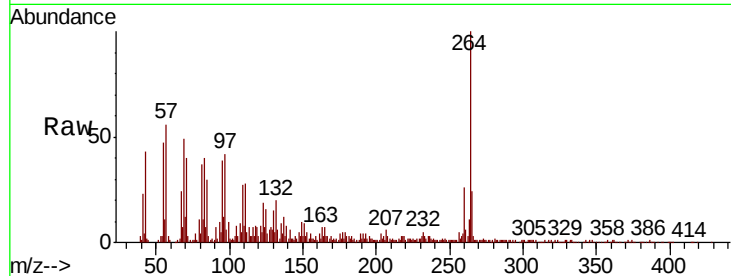




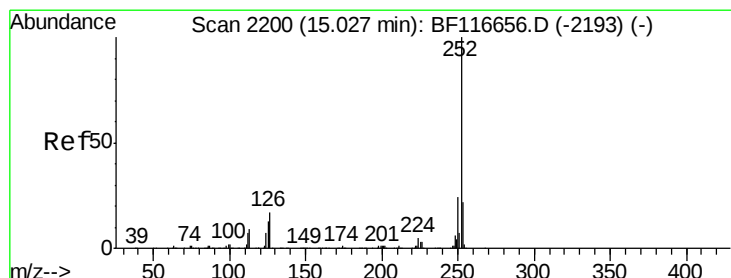
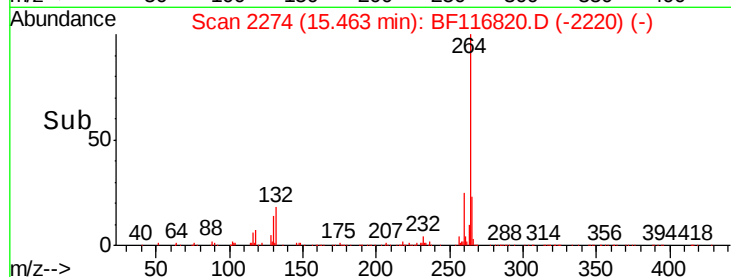
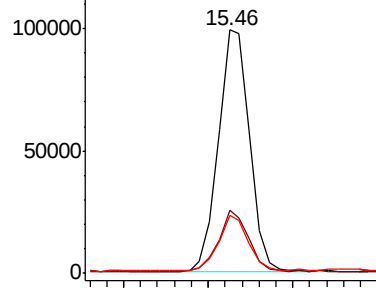
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 127439
Ion Ratio Lower Upper
264 100
260 25.7 18.3 27.5
265 23.6 16.5 24.7

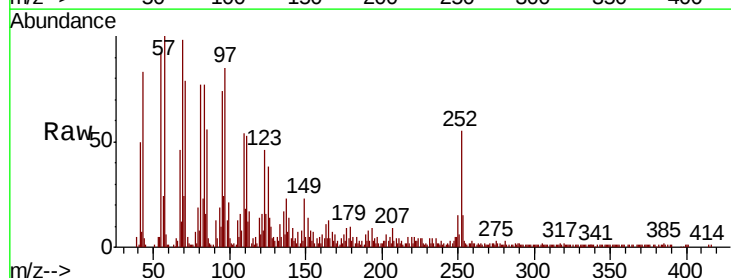


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

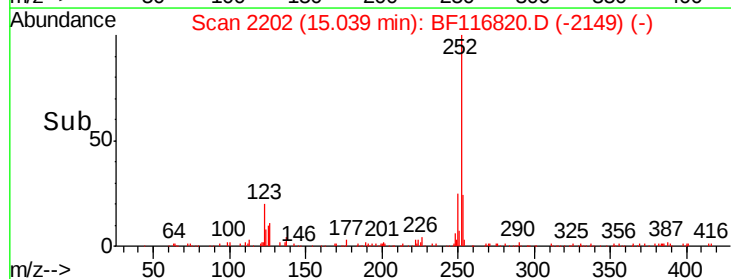
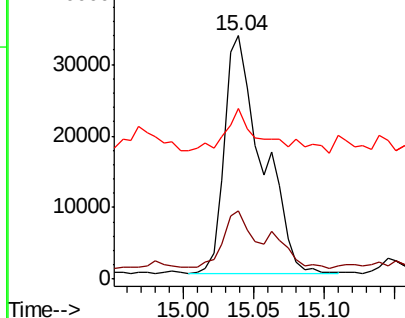


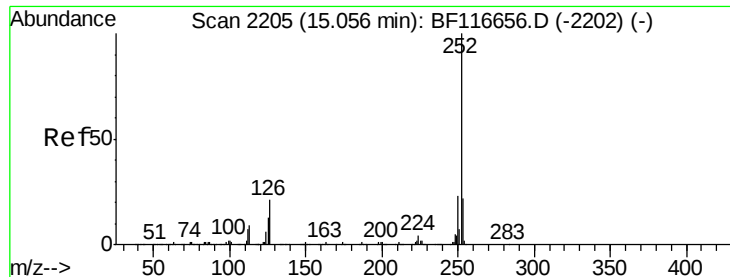
#88
Benzo(b)fluoranthene
Concen: 8.125 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116820.D
Acq: 4 Sep 2019 17:21

Tgt Ion:252 Resp: 62604
Ion Ratio Lower Upper
252 100
253 28.0 17.7 26.5#
125 70.0 8.2 12.2#



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: 8.912 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

Instrument :

BNA_F

ClientSampled :

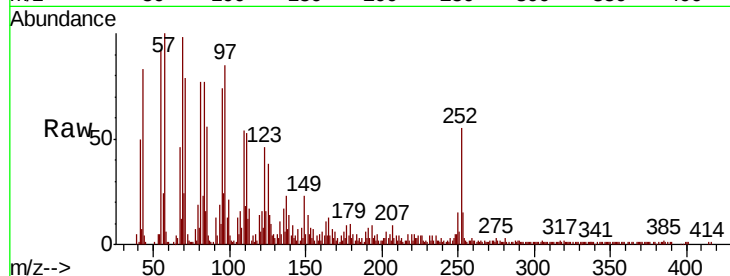
Tot Ion:252 Resp: 62604

Ion Ratio Lower Upper

252 100

253 28.0 17.7 26.5#

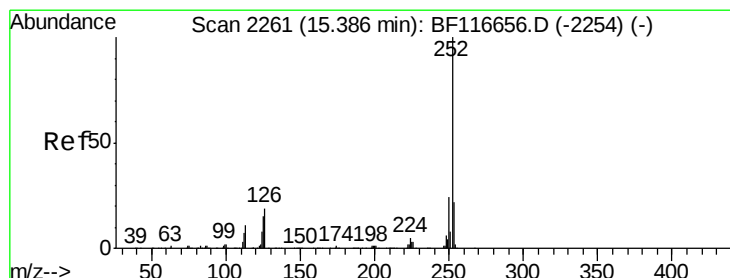
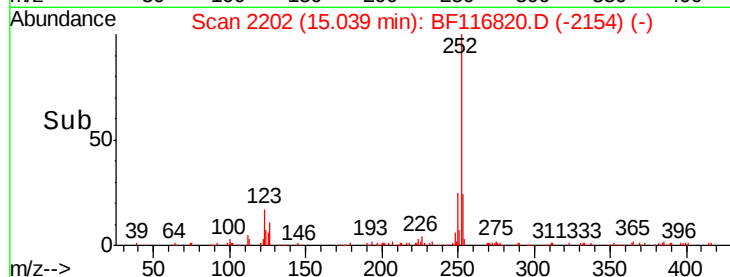
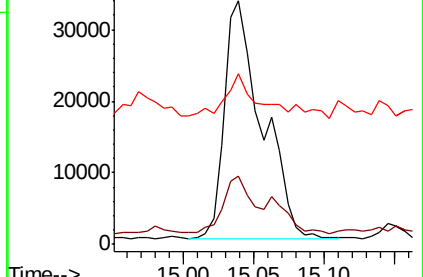
125 70.0 8.6 13.0#



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



#90

Benzo(a)pyrene

Concen: 2.798 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.02 min

Lab File: BF116820.D

Acq: 4 Sep 2019 17:21

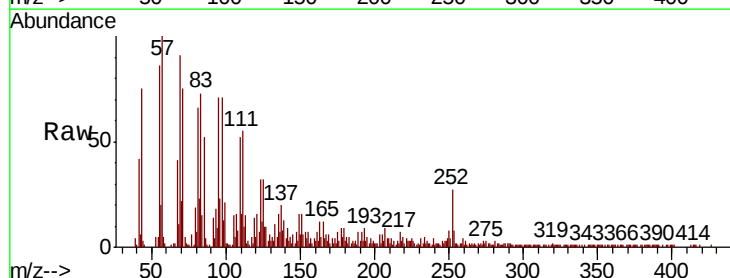
Tgt Ion:252 Resp: 18758

Ion Ratio Lower Upper

252 100

253 30.5 18.1 27.1#

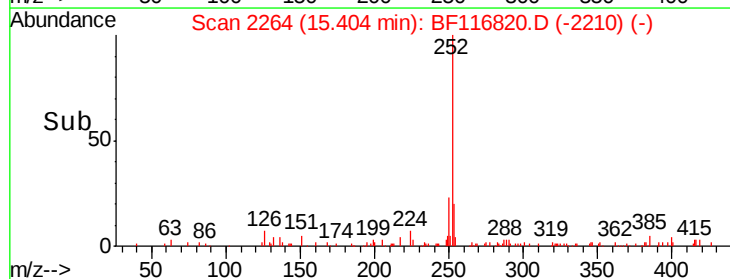
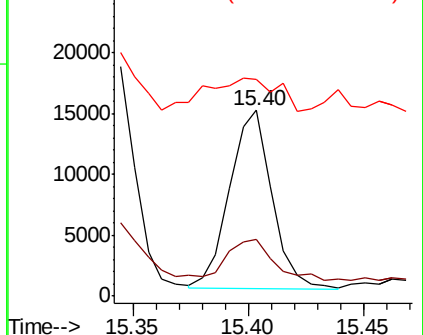
125 116.6 9.8 14.8#

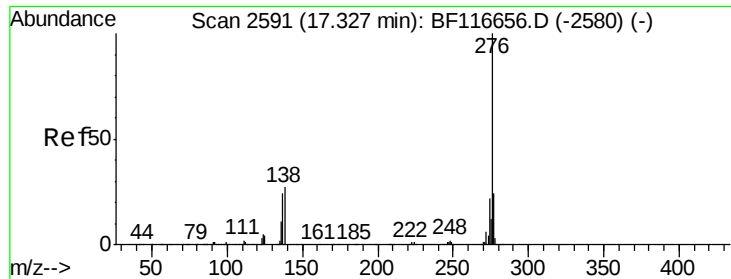


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

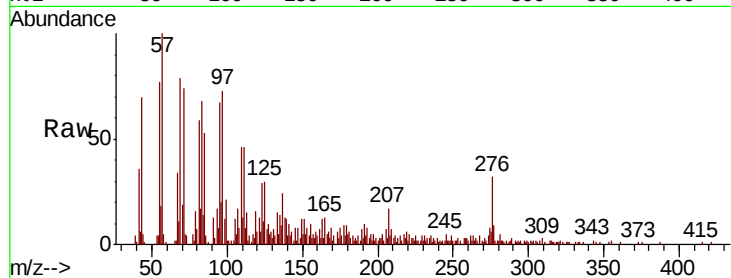




#92
 Benzo(a,h,i)perylene
 Concen: 2.887 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. 0.03 min
 Lab File: BF116820.D
 Acq: 4 Sep 2019 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.5	27.7
138	39.1	16.2	24.2



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

