

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
 Data File : BF119701.D
 Acq On : 2 Apr 2020 7:07
 Operator : MA/SJ
 Sample : L2055-08RE
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Quant Time: Apr 02 07:38:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	273212	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	972352	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	446294	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	696439	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	446147	20.00	ng	-0.02
87) Perylene-d12	15.44	264	408776	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1498520	87.31	ng	0.01
7) Phenol-d6	6.45	99	1865537	85.09	ng	0.00
23) Nitrobenzene-d5	7.37	82	1164476	65.09	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	389942	84.69	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1905366	63.25	ng	0.00
79) Terphenyl-d14	12.93	244	1482344	65.10	ng	-0.01

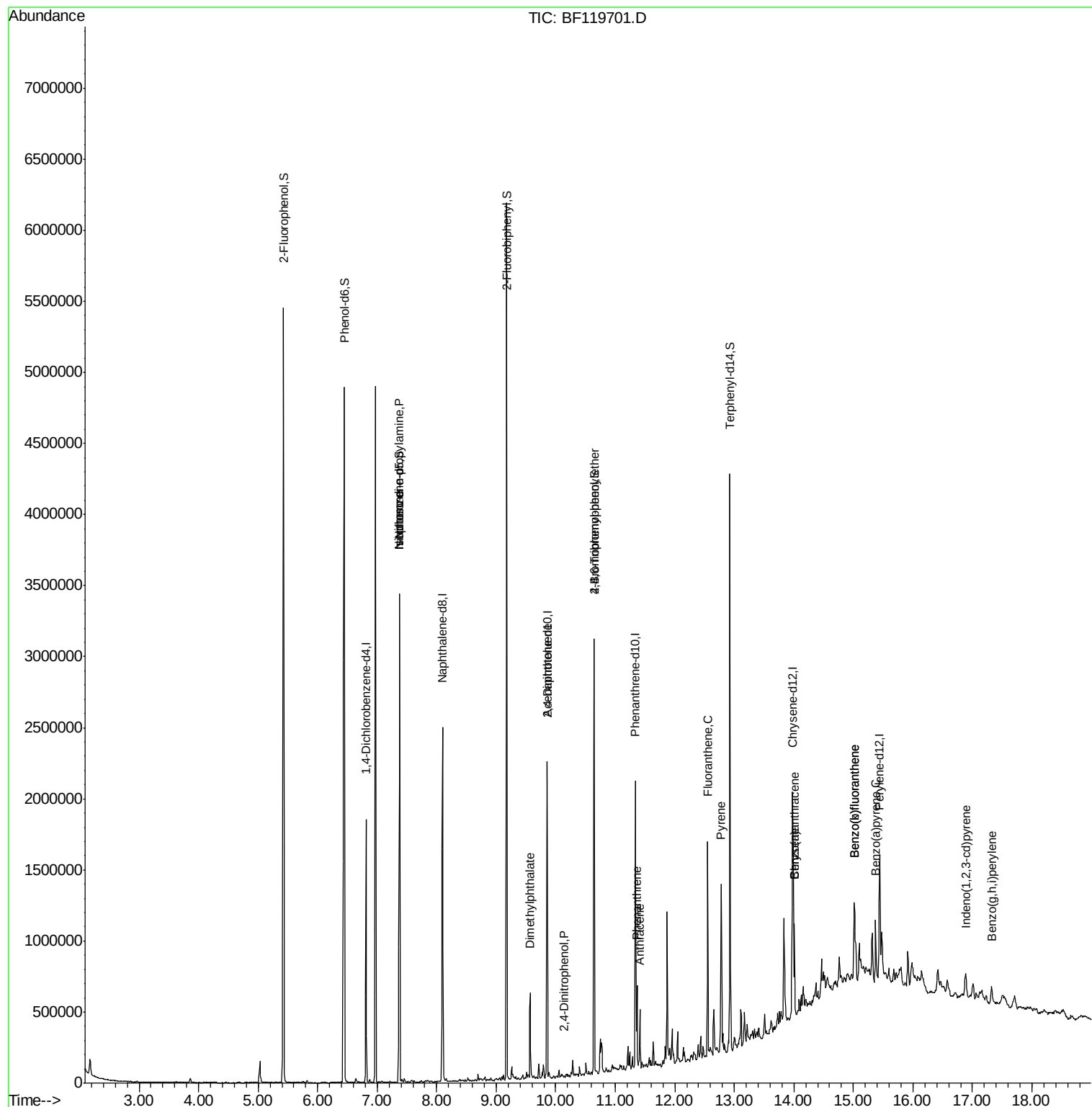
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	153238	11.60	ng	# 75
25) Isophorone	7.37	82	1160737	31.98	ng	# 65
50) Dimethylphthalate	9.57	163	204637	6.46	ng	99
54) 2,4-Dinitrophenol	10.14	184	138	7.32	ng	# 21
57) 2,4-Dinitrotoluene	9.86	165	59238	6.92	ng	# 20
67) 4-Bromophenyl-phenylether	10.65	248	23743	2.99	ng	# 1
71) Phenanthrene	11.36	178	191605	5.31	ng	97
72) Anthracene	11.42	178	147682	4.02	ng	96
75) Fluoranthene	12.56	202	633770	16.22	ng	96
78) Pyrene	12.78	202	515217	14.07	ng	98
81) Benzo(a)anthracene	14.01	228	277384	9.56	ng	95
83) Chrysene	14.01	228	277384	9.26	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	109843	3.90	ng	96
88) Benzo(b)fluoranthene	15.02	252	421656	15.44	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	421656	16.22	ng	96
90) Benzo(a)pyrene	15.37	252	203100	8.18	ng	96
92) Benzo(g,h,i)perylene	17.32	276	101677	4.66	ng	93

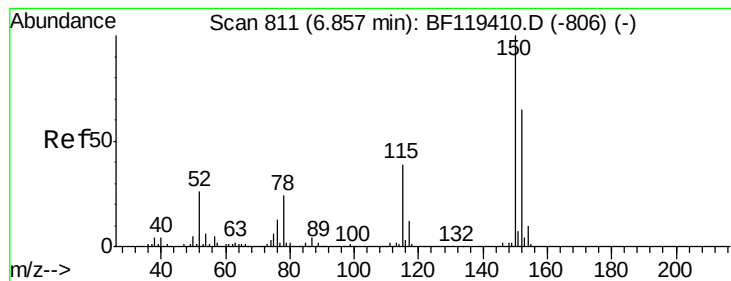
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
Data File : BF119701.D
Acq On : 2 Apr 2020 7:07
Operator : MA/SJ
Sample : L2055-08RE
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Quant Time: Apr 02 07:38:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 11:59:45 2020
Response via : Initial Calibration



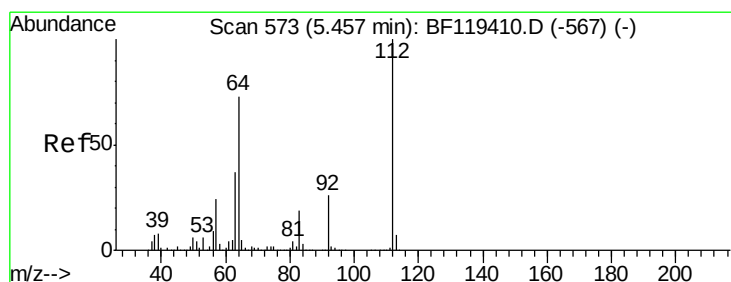
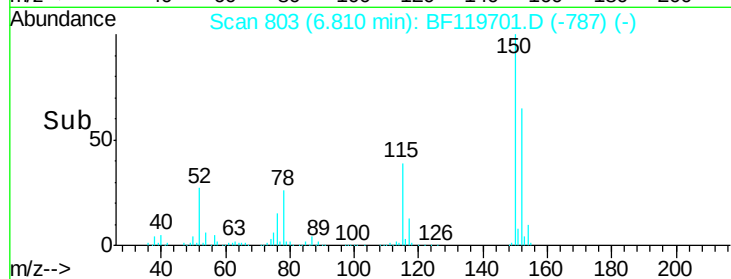
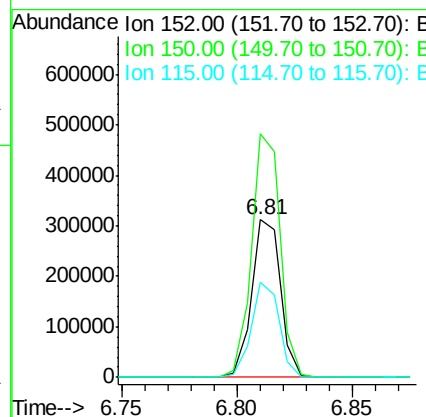
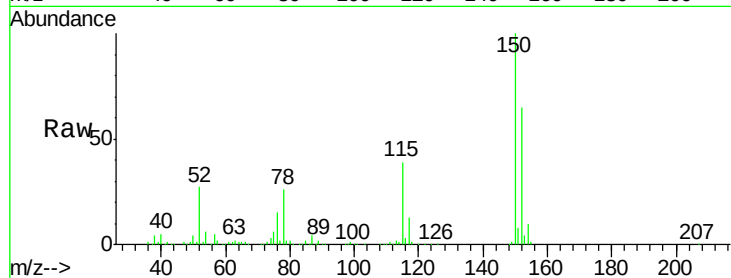


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

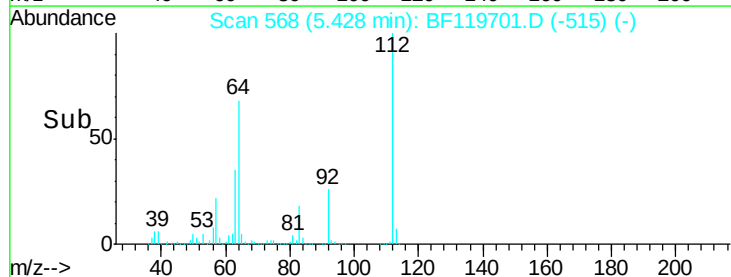
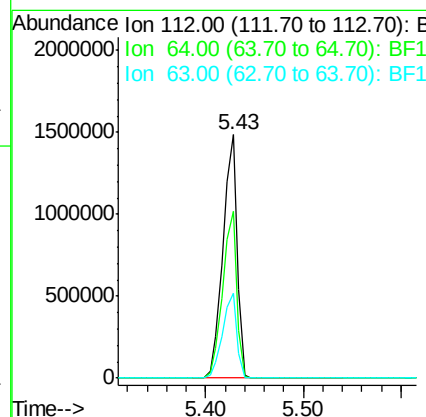
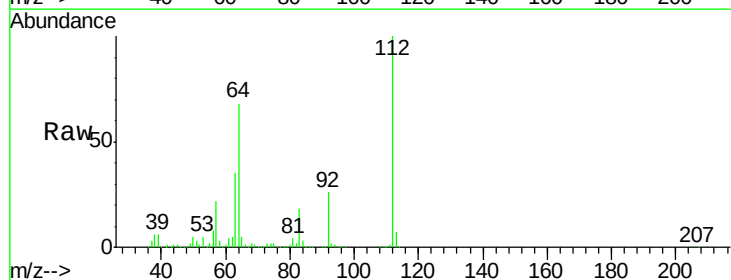
Tgt Ion:152 Resp: 273212
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 60.9 49.6 74.4

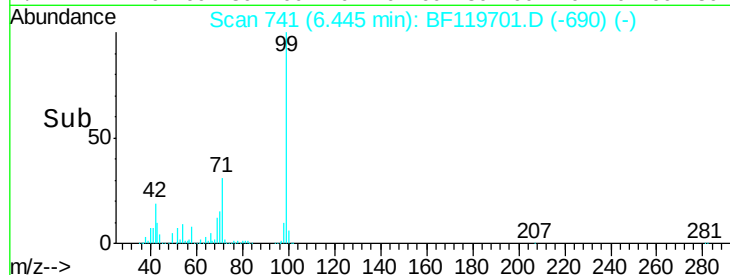
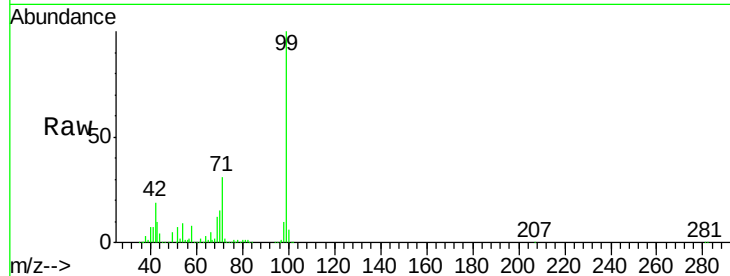
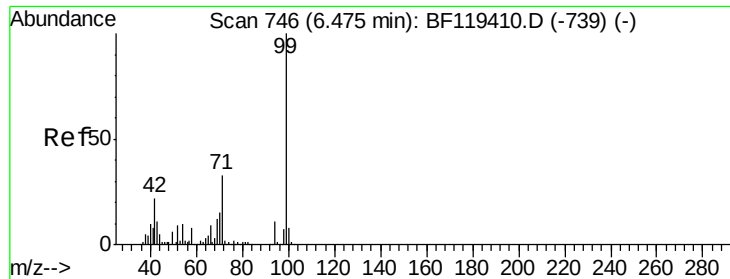


#5

2-Fluorophenol
Concen: 87.31 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Tgt Ion:112 Resp: 1498520
Ion Ratio Lower Upper
112 100
64 68.3 56.7 85.1
63 34.7 29.5 44.3





#7

Phenol-d6

Concen: 85.09 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

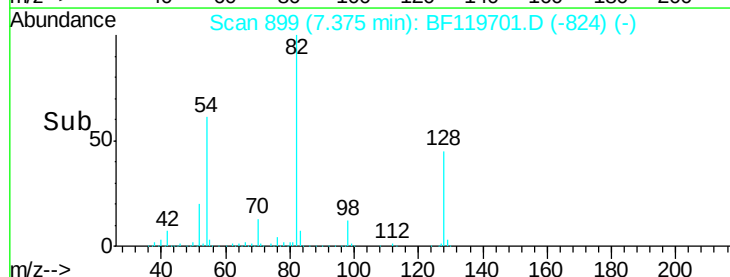
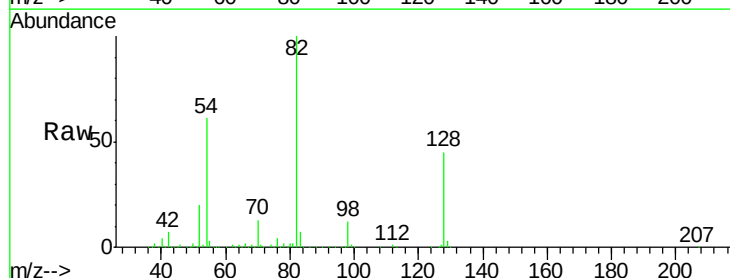
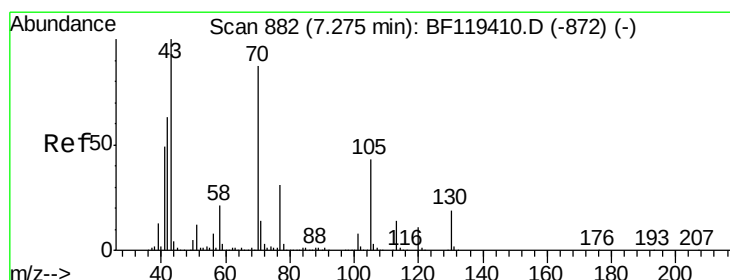
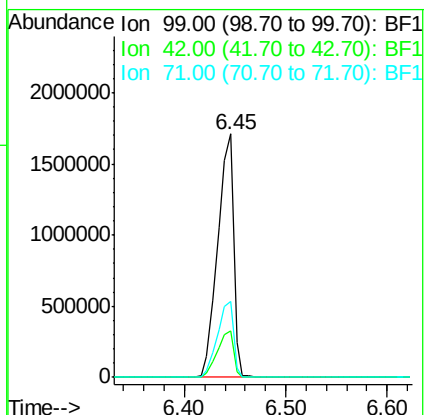
Tgt Ion: 99 Resp: 186537

Ion Ratio Lower Upper

99 100

42 19.1 16.6 24.8

71 31.4 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.60 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Tgt Ion: 70 Resp: 153238

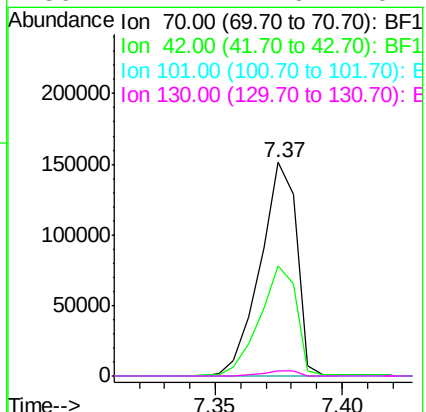
Ion Ratio Lower Upper

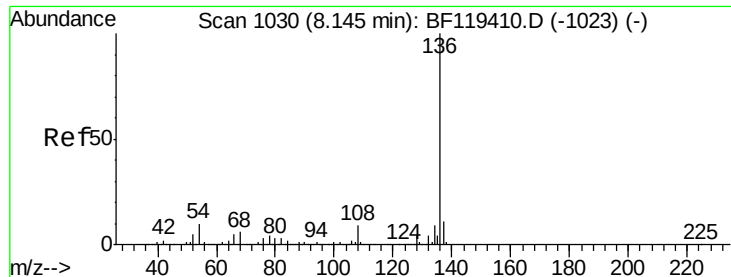
70 100

42 51.8 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

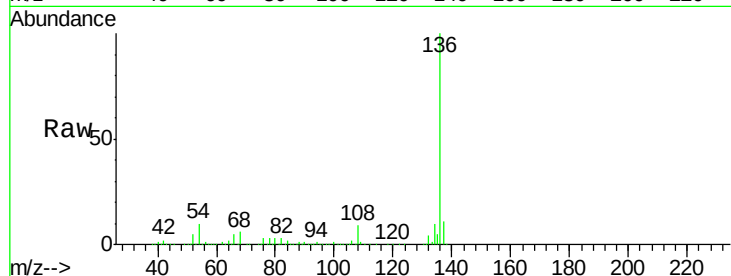




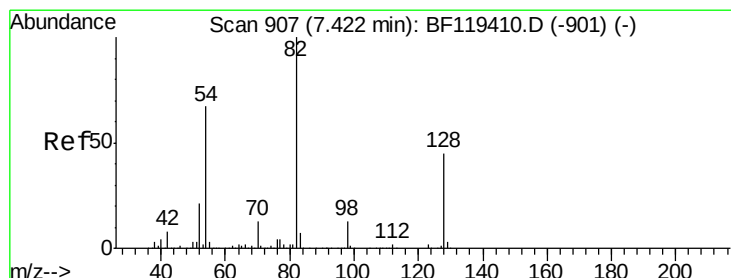
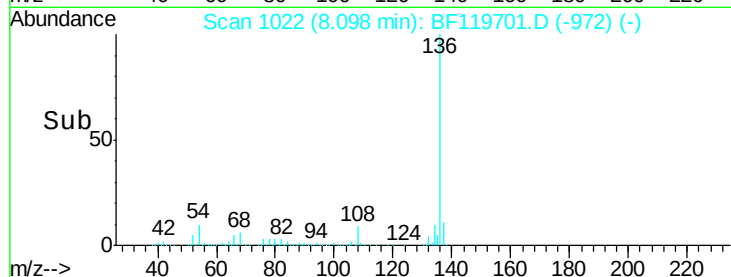
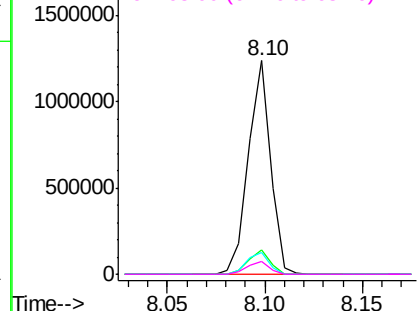
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tgt Ion:	136	Resp:	972352
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	10.1	9.1	13.7
68	6.0	4.6	6.8

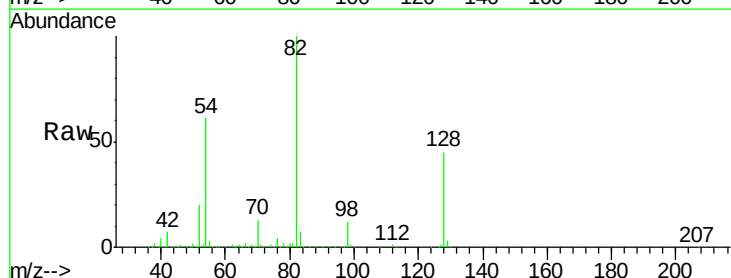


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

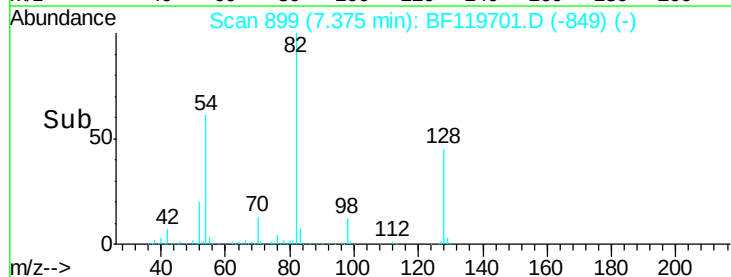
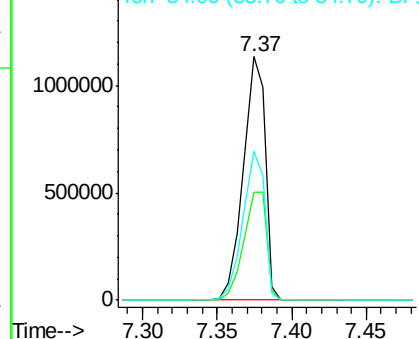


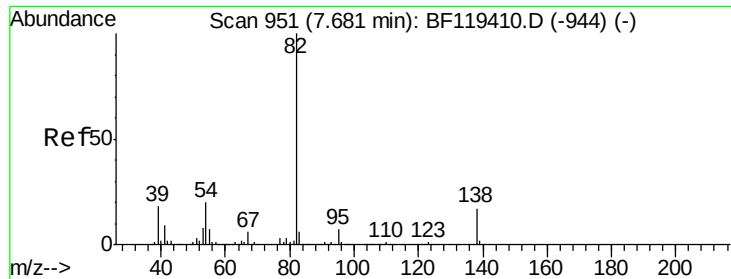
#23
Nitrobenzene-d5
Concen: 65.09 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Tgt Ion:	82	Resp:	1164476
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.3	54.5
54	60.9	50.6	75.8



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: 31.98 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

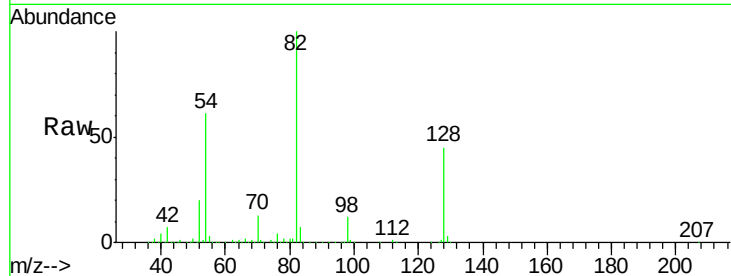
Tgt Ion: 82 Resp: 1160737

Ion Ratio Lower Upper

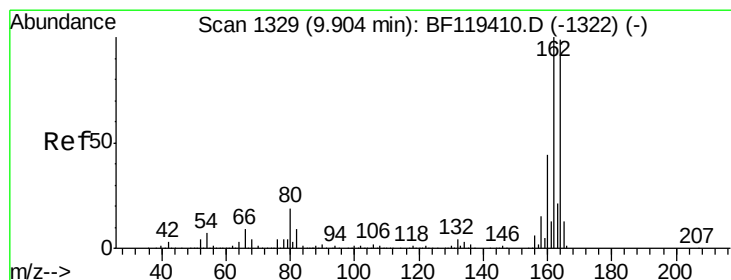
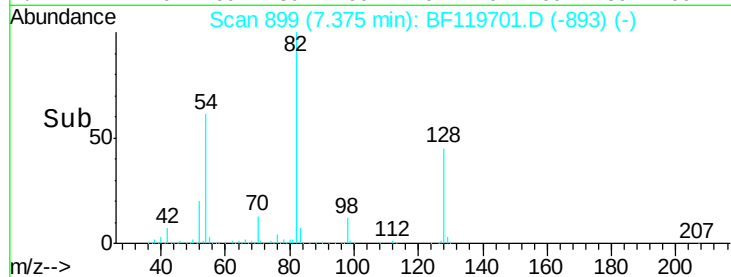
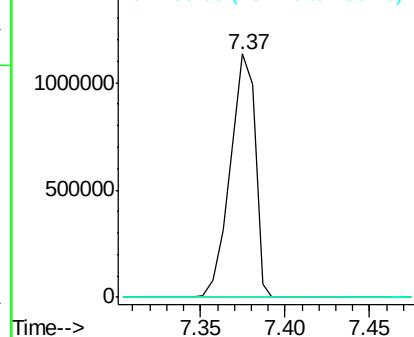
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

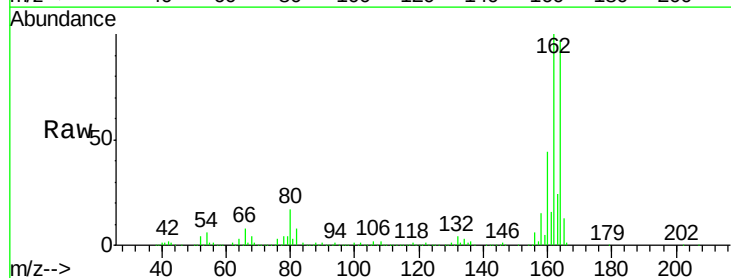
Tgt Ion: 164 Resp: 446294

Ion Ratio Lower Upper

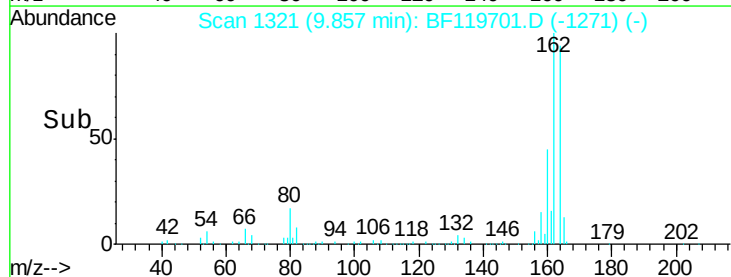
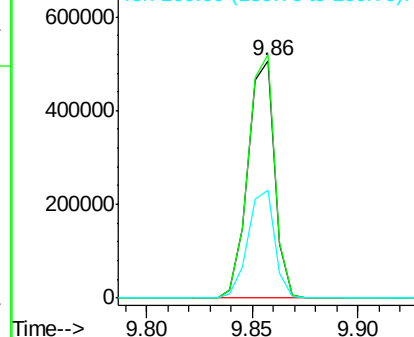
164 100

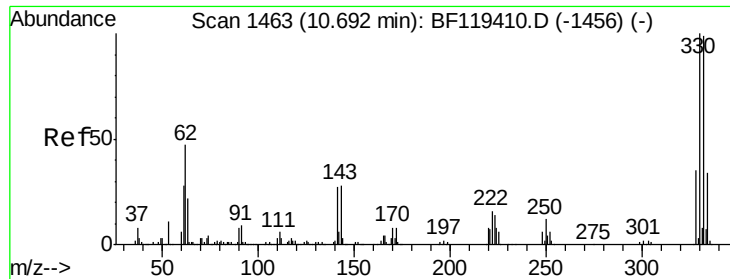
162 102.6 80.6 121.0

160 45.6 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

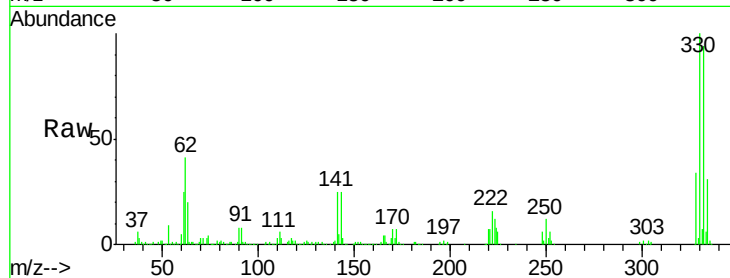




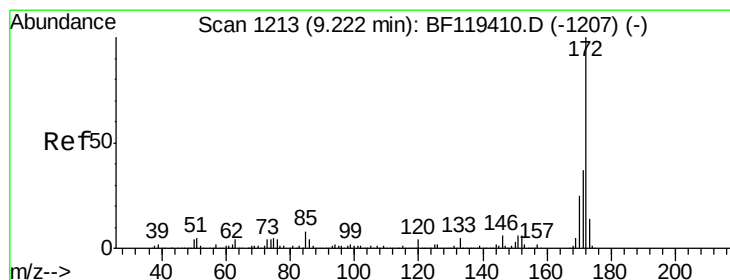
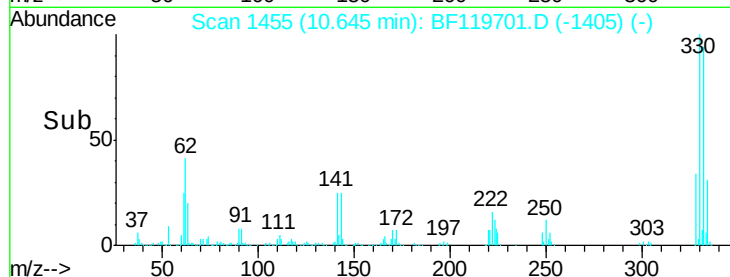
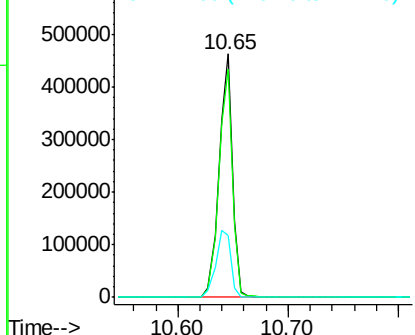
#42
 2,4,6-Tribromophenol
 Concen: 84.69 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Tgt Ion: 330 Resp: 389942
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 30.4 25.4 38.0

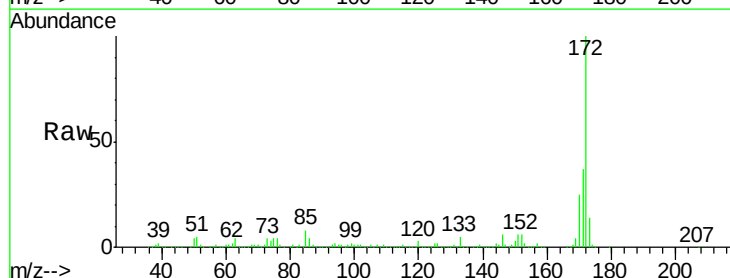


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

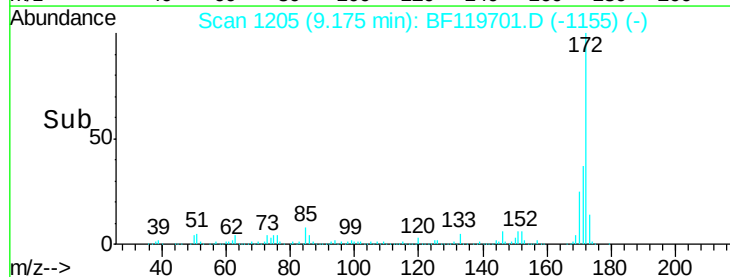
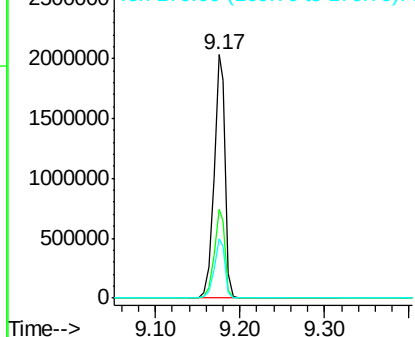


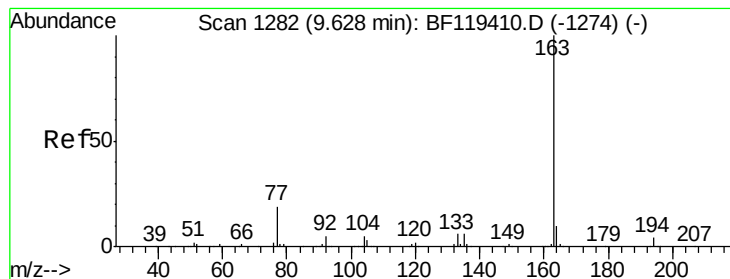
#45
 2-Fluorobiphenyl
 Concen: 63.25 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Tgt Ion: 172 Resp: 1905366
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.6 20.2 30.2



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: 6.46 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

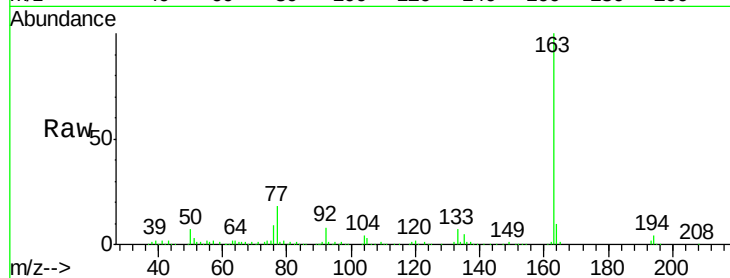
Tgt Ion:163 Resp: 204637

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

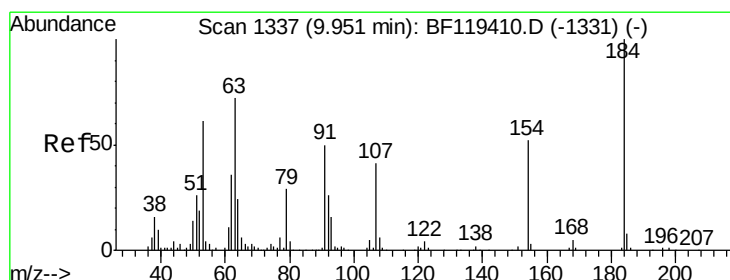
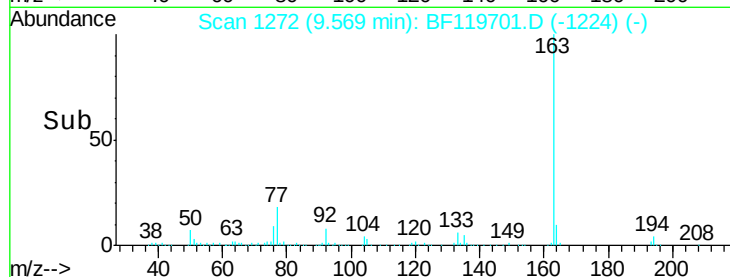
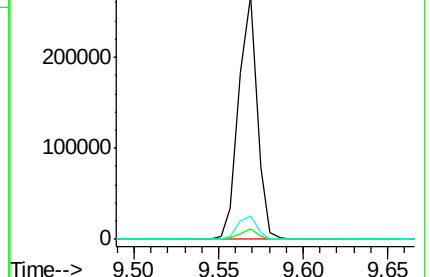
164 9.8 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 7.32 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.22 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

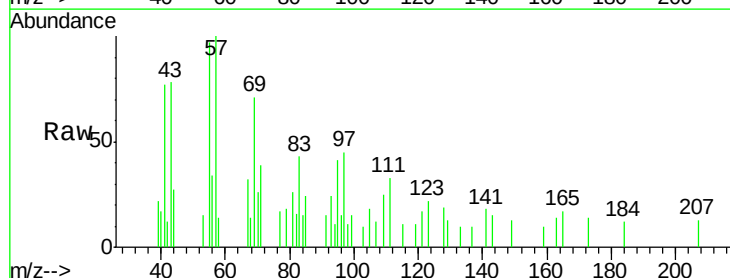
Tgt Ion:184 Resp: 138

Ion Ratio Lower Upper

184 100

63 0.0 50.2 75.4#

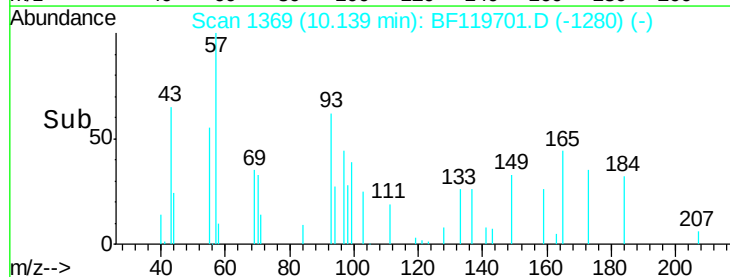
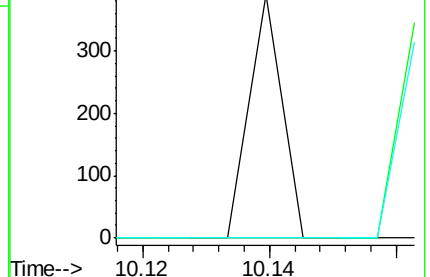
154 0.0 44.5 66.7#

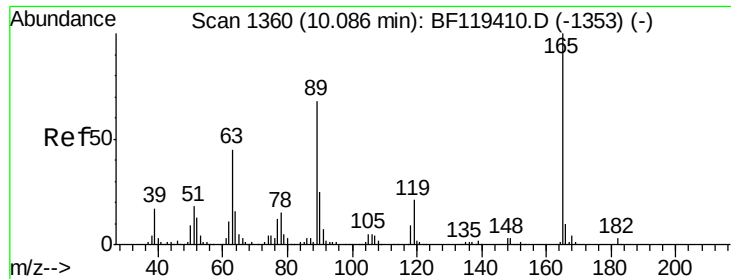


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

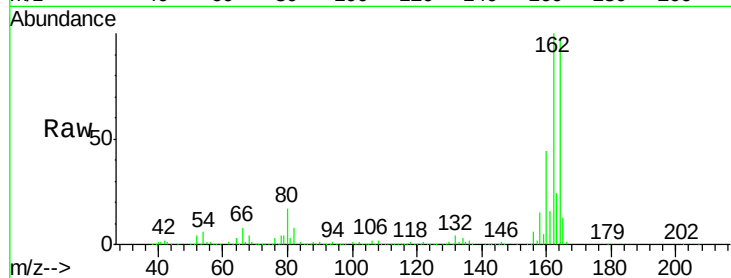




#57
 2,4-Dinitrotoluene
 Concen: 6.92 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Tgt Ion:	165	Resp:	59238
Ion Ratio	Lower	Upper	
165	100		
63	1.2	42.6	64.0#
89	1.6	61.0	91.4#
182	0.0	2.2	3.2#

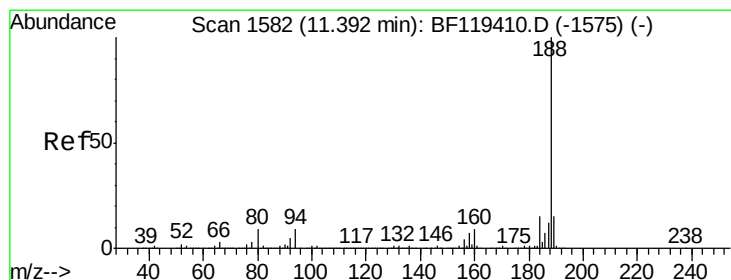
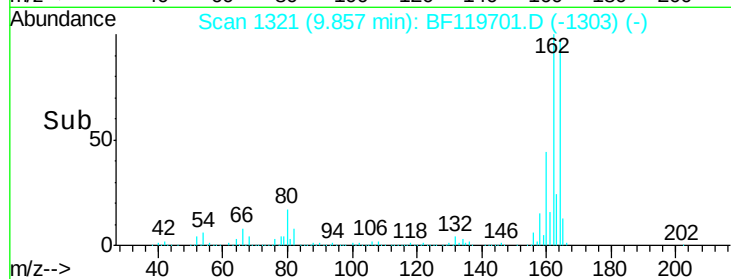
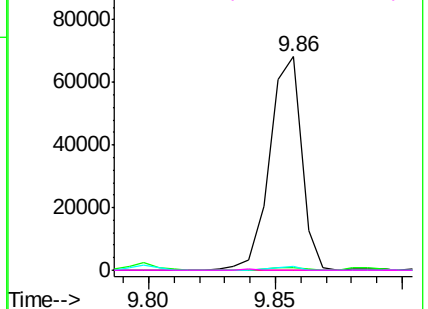


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

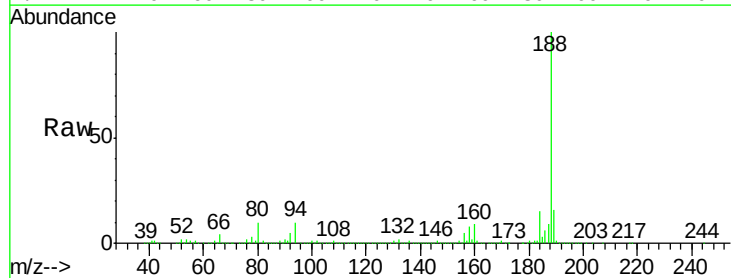
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

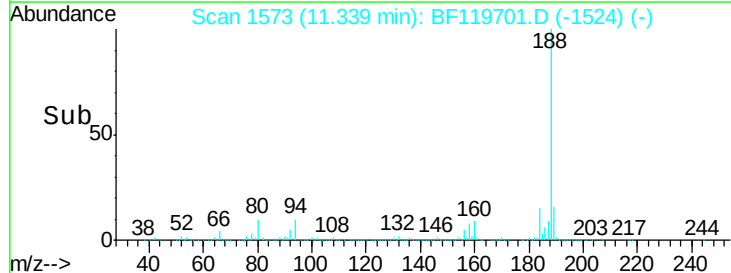
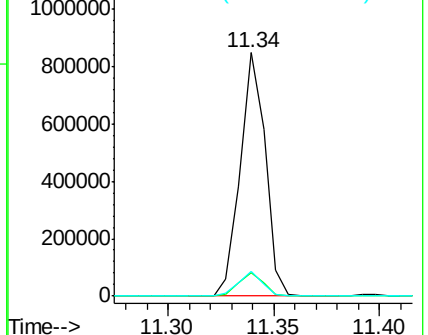
Tgt Ion:	188	Resp:	696439
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.5	11.3
80	10.4	9.0	13.4

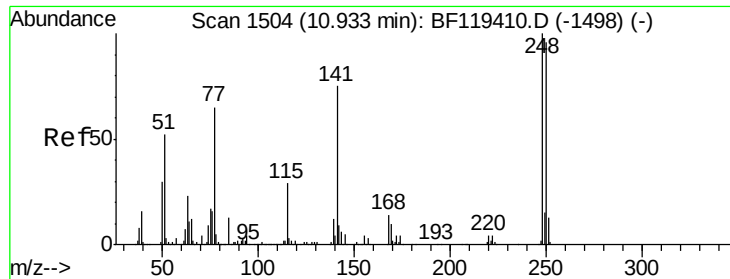


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

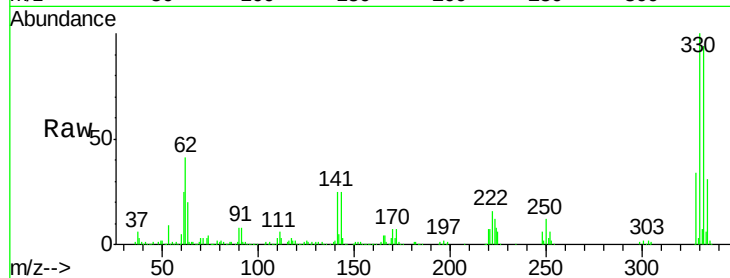




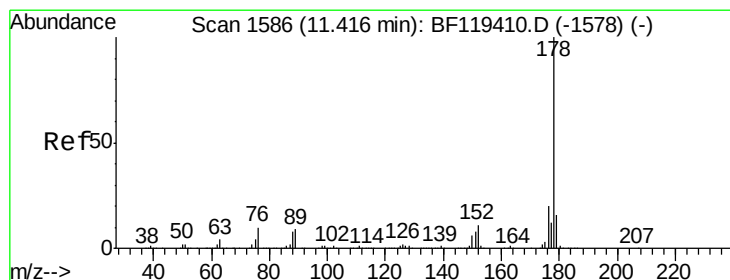
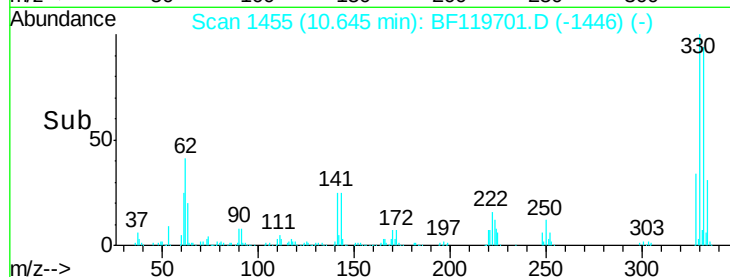
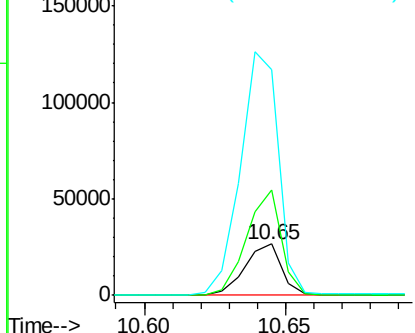
#67
 4-Bromophenyl-phenylether
 Concen: 2.99 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Tgt Ion: 248 Resp: 23743
 Ion Ratio Lower Upper
 248 100
 250 207.7 77.3 115.9#
 141 443.9 58.6 87.8#

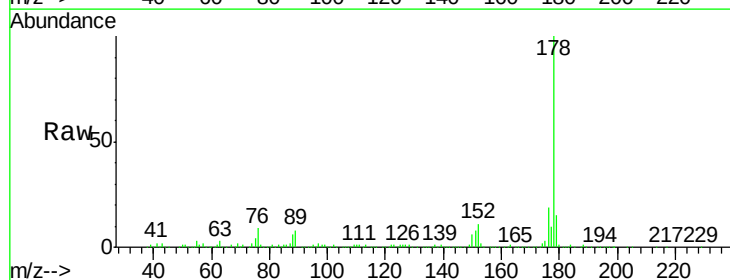


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

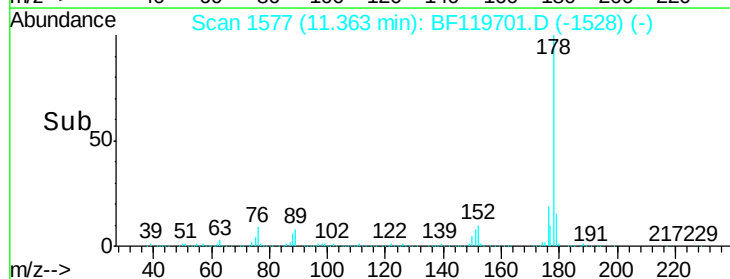
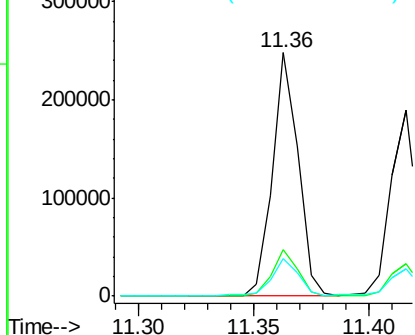


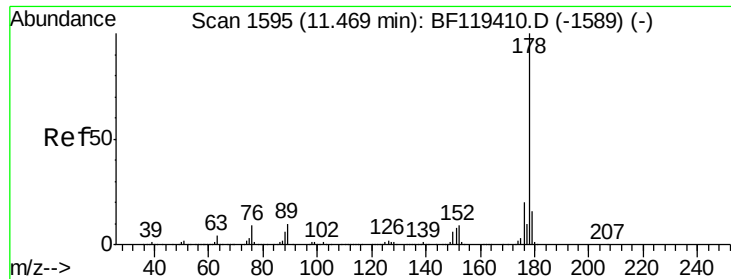
#71
 Phenanthrene
 Concen: 5.31 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Tgt Ion: 178 Resp: 191605
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.3 13.2 19.8



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

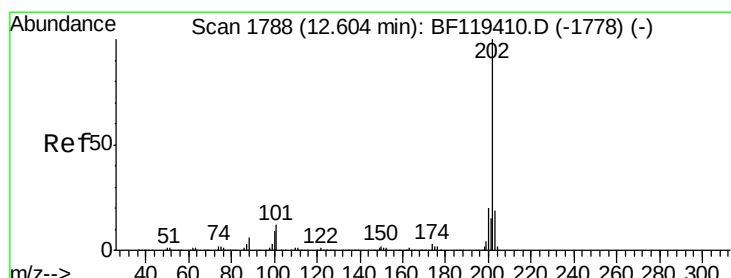
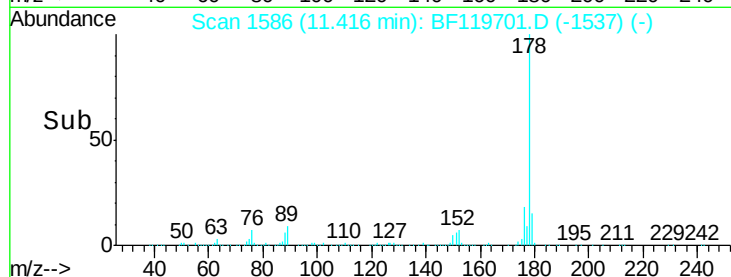
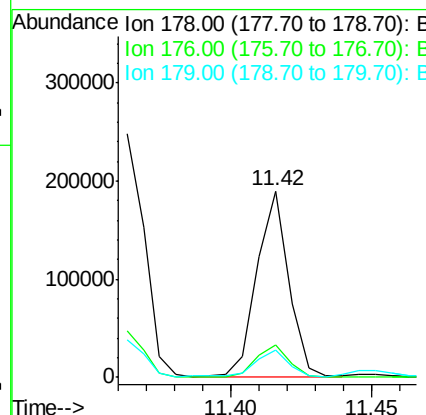
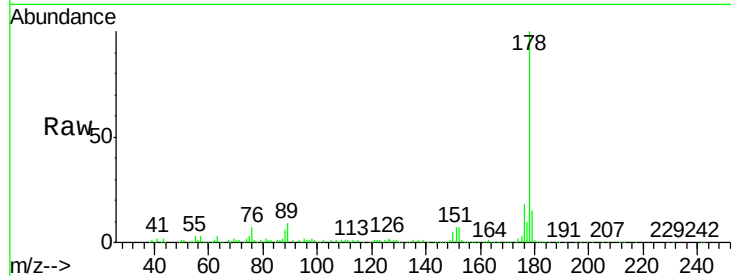




#72
 Anthracene
 Concen: 4.02 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

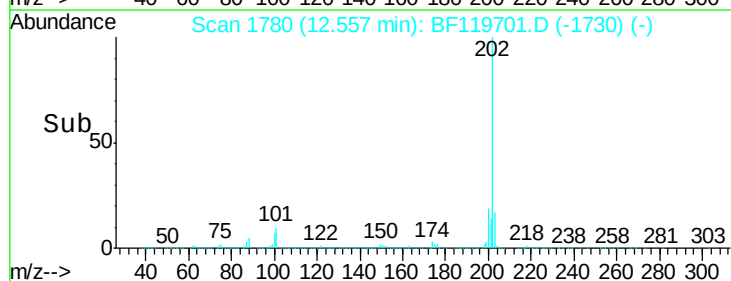
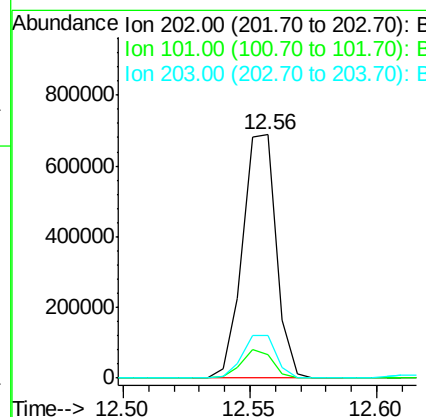
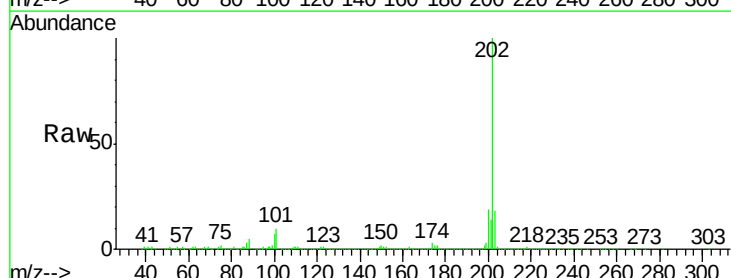
Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

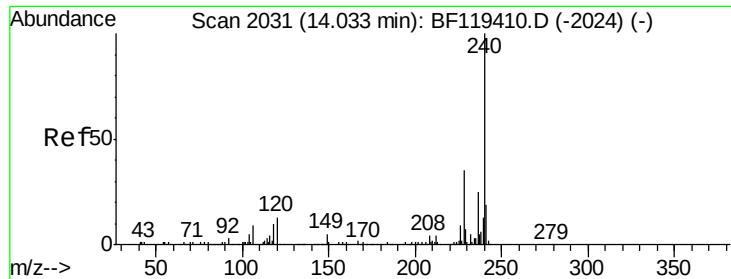
Tgt Ion:178 Resp: 147682
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.1 24.1
 179 14.8 13.0 19.4



#75
 Fluoranthene
 Concen: 16.22 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF119701.D
 Acq: 2 Apr 2020 7:07

Tgt Ion:202 Resp: 633770
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 32.2
 203 17.6 0.0 38.8

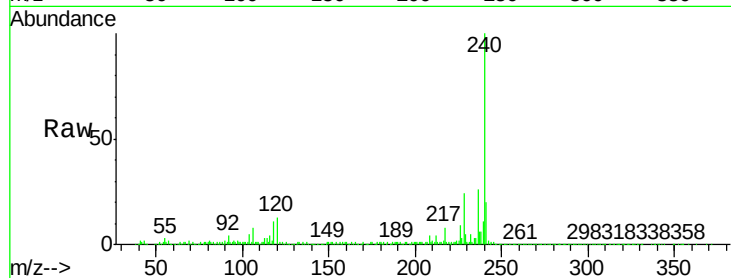




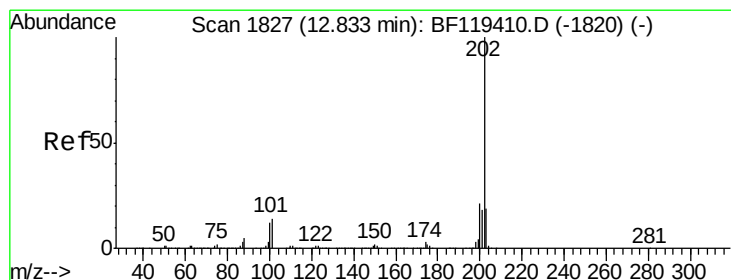
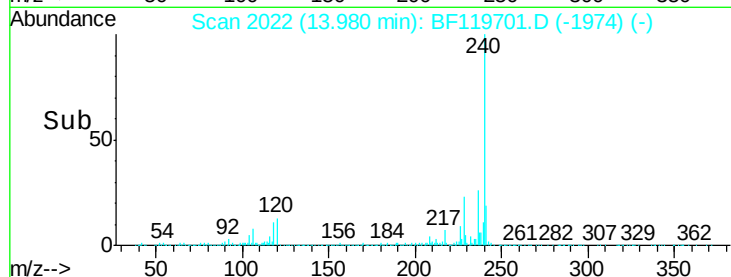
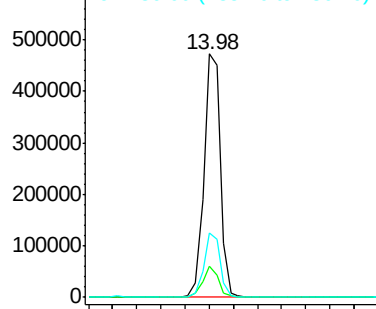
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tgt Ion:240 Resp: 446147
Ion Ratio Lower Upper
240 100
120 13.0 10.6 15.8
236 26.5 20.2 30.2

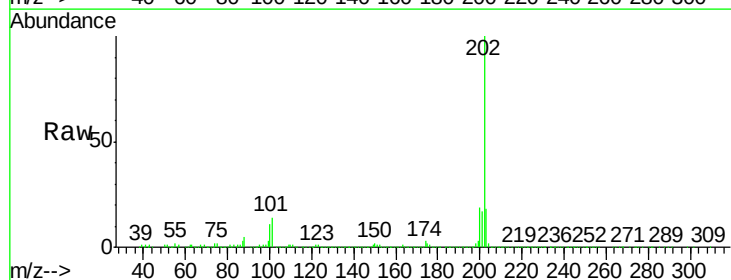


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

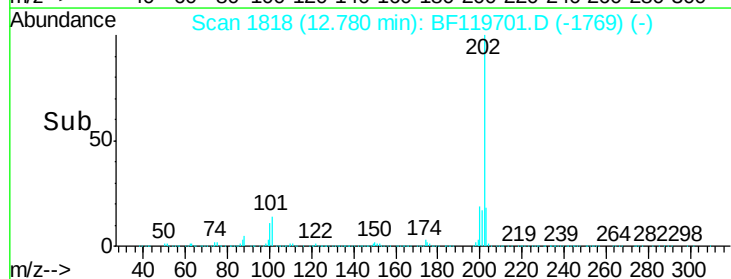
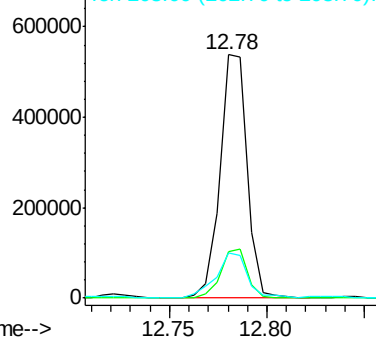


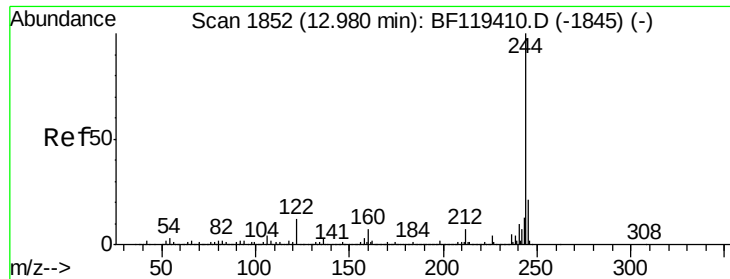
#78
Pyrene
Concen: 14.07 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Tgt Ion:202 Resp: 515217
Ion Ratio Lower Upper
202 100
200 19.3 16.8 25.2
203 18.5 15.1 22.7



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: 65.10 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

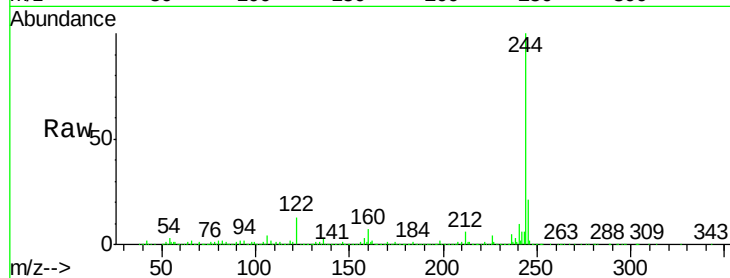
Tgt Ion:244 Resp: 1482344

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.8

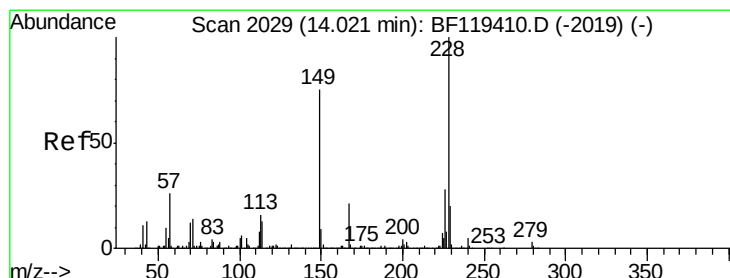
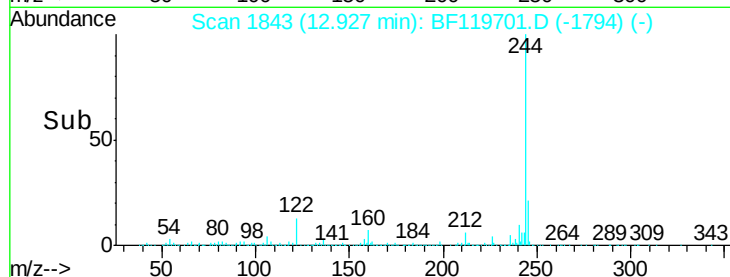
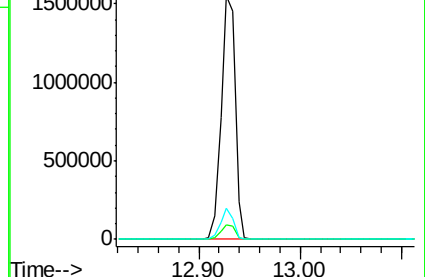
122 13.0 10.3 15.5



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: 9.56 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

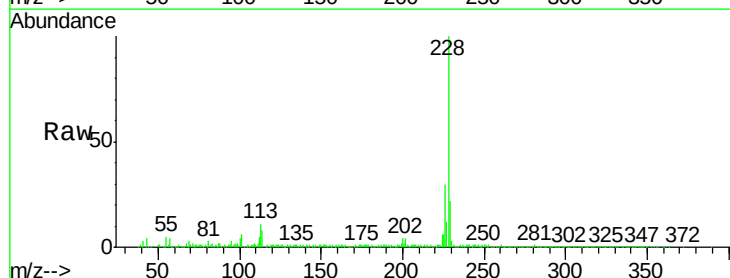
Tgt Ion:228 Resp: 277384

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

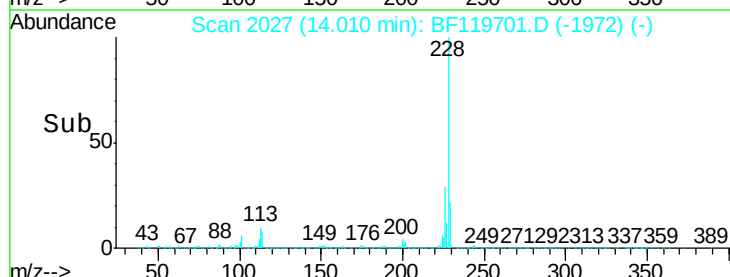
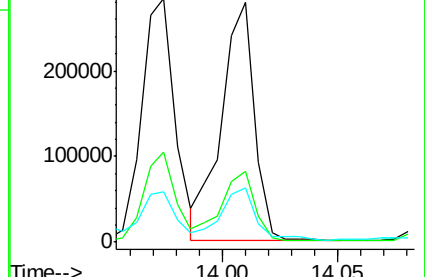
229 22.4 16.2 24.4

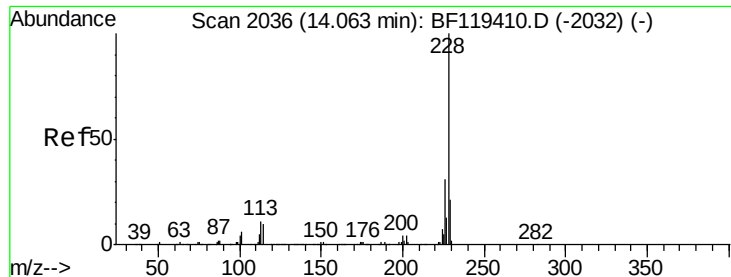


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.26 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

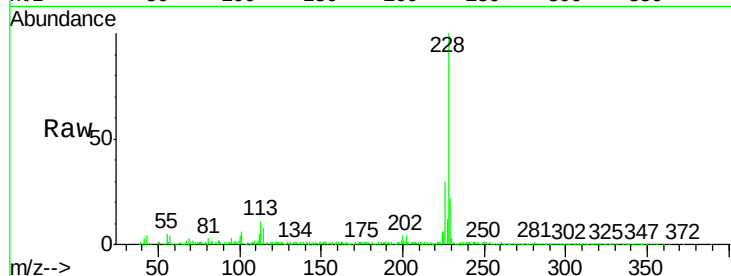
Tgt Ion:228 Resp: 277384

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.0

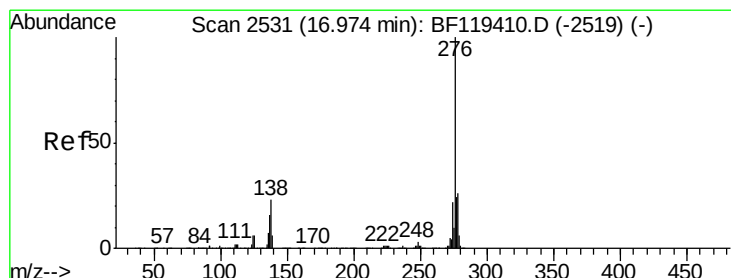
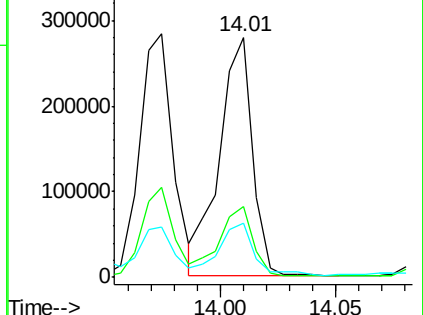
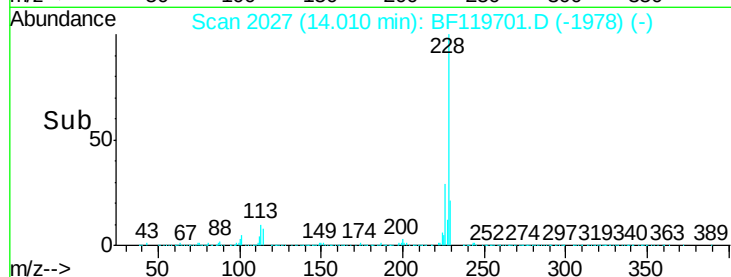
229 22.4 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.90 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.03 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

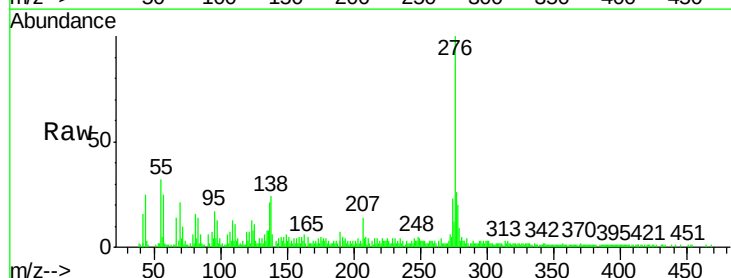
Tgt Ion:276 Resp: 109843

Ion Ratio Lower Upper

276 100

138 20.3 19.6 29.4

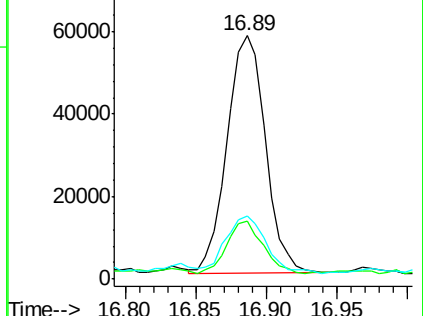
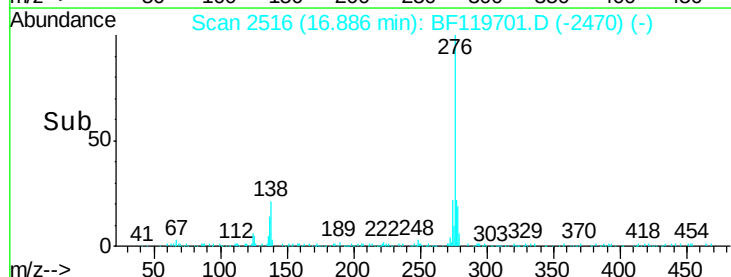
277 25.3 20.0 30.0

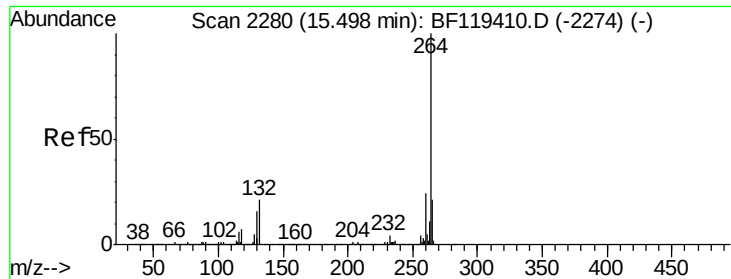


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



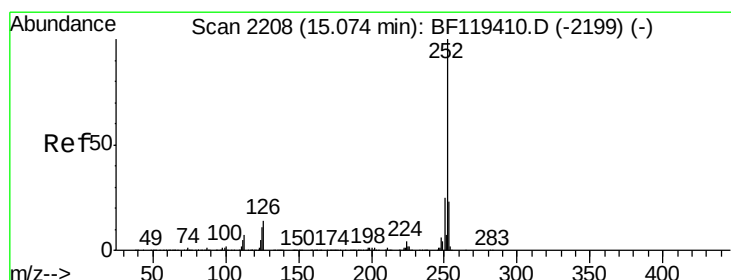
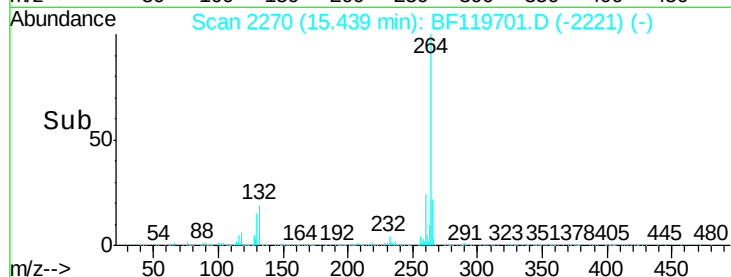
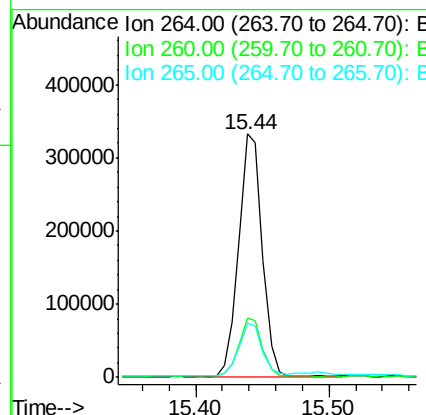
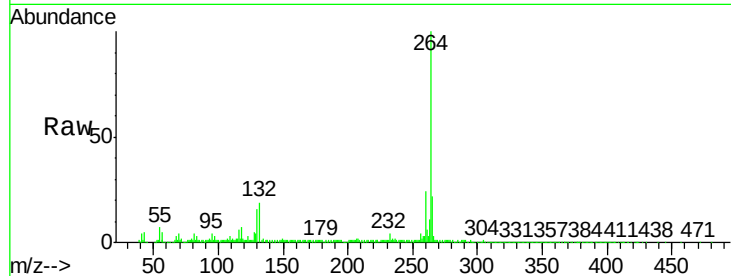


#87
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tgt Ion: 264 Resp: 408776

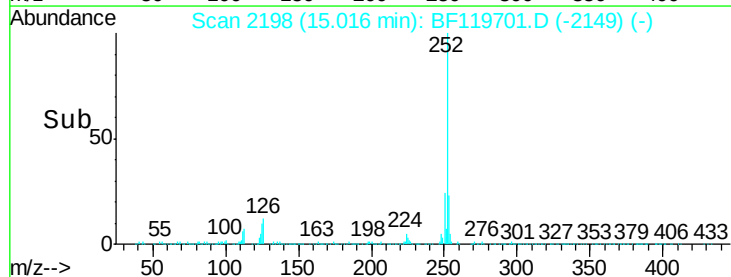
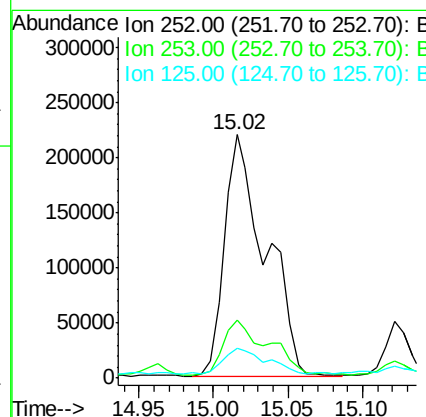
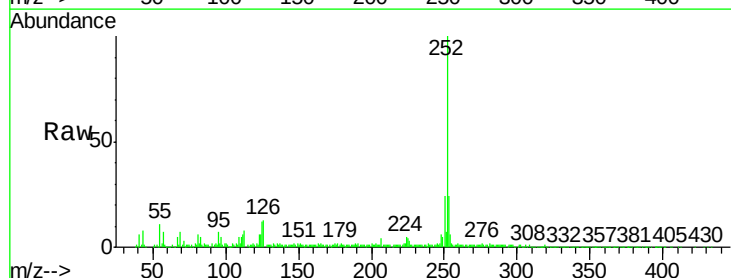
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.7	26.5

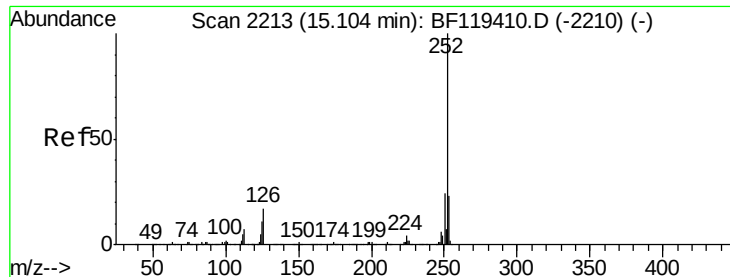


#88
Benzo(b)fluoranthene
Concen: 15.44 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Tgt Ion: 252 Resp: 421656

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	12.1	7.9	11.9

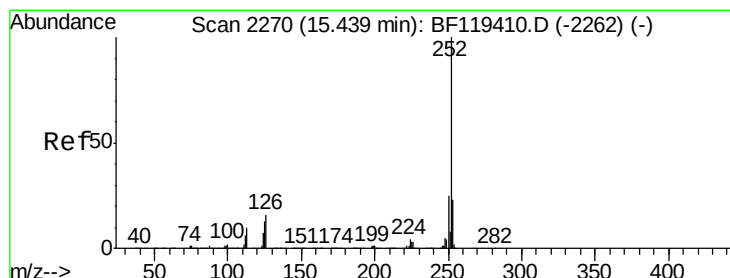
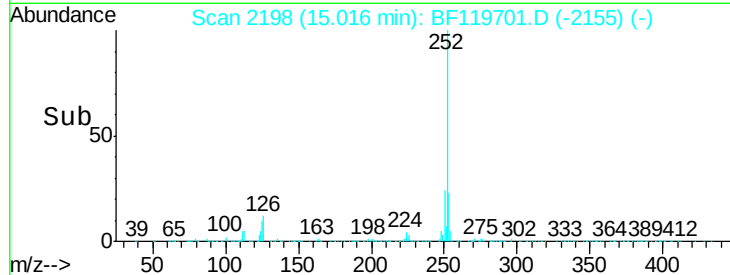
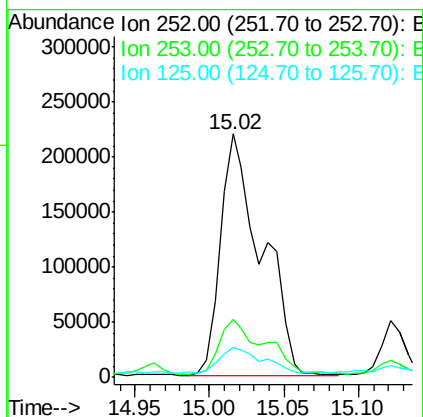
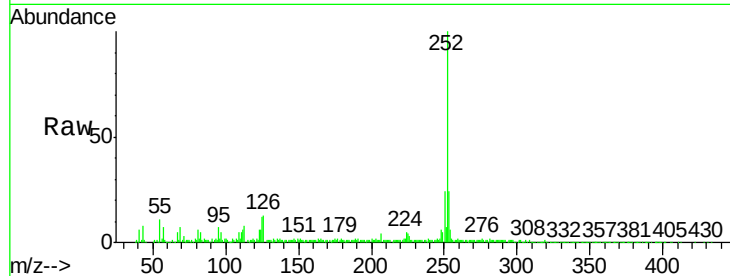




#89
Benzo(k)fluoranthene
Concen: 16.22 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

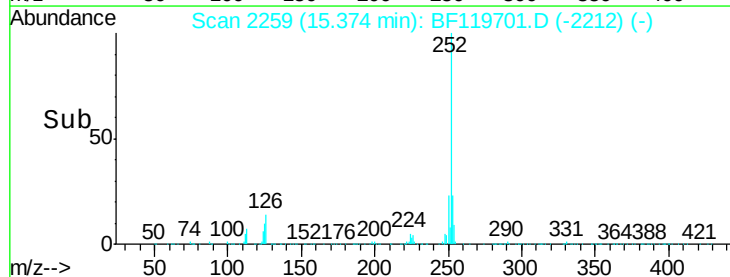
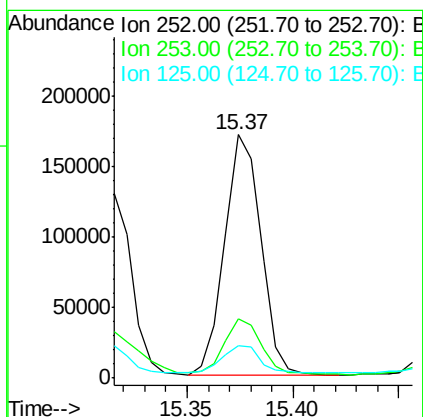
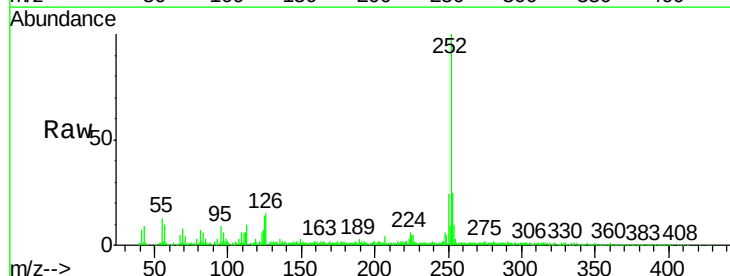
Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

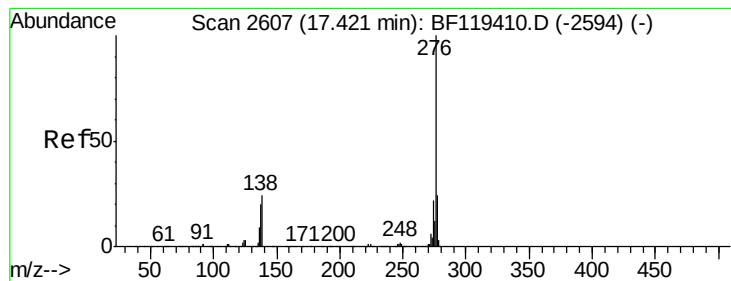
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.1	8.4	12.6



#90
Benzo(a)pyrene
Concen: 8.18 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BF119701.D
Acq: 2 Apr 2020 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	13.5	9.4	14.2





#92

Benzo(g,h,i)perylene

Concen: 4.66 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.04 min

Lab File: BF119701.D

Acq: 2 Apr 2020 7:07

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

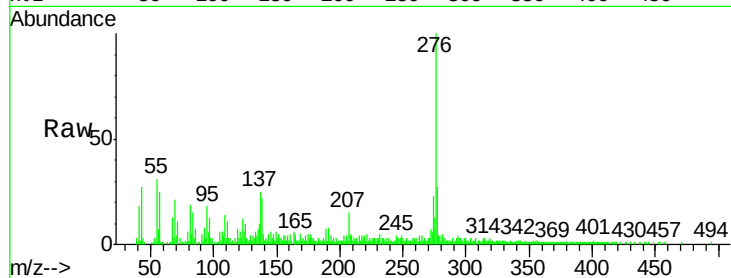
Tgt Ion: 276 Resp: 101677

Ion Ratio Lower Upper

276 100

277 26.9 18.4 27.6

138 22.1 15.4 23.0



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

