

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117323.D
 Acq On : 3 Oct 2019 18:26
 Operator : JU
 Sample : K5160-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Quant Time: Oct 04 03:19:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	54796	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	218614	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	111787	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	178492	20.00	ng	0.00
76) Chrysene-d12	13.97	240	104356	20.00	ng	0.00
87) Perylene-d12	15.42	264	91442	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	394928	112.52	ng	0.00
7) Phenol-d6	6.45	99	565271	124.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	353339	84.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	115547	123.67	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	616596	86.24	ng	-0.01
79) Terphenyl-d14	12.91	244	537303	96.24	ng	0.00

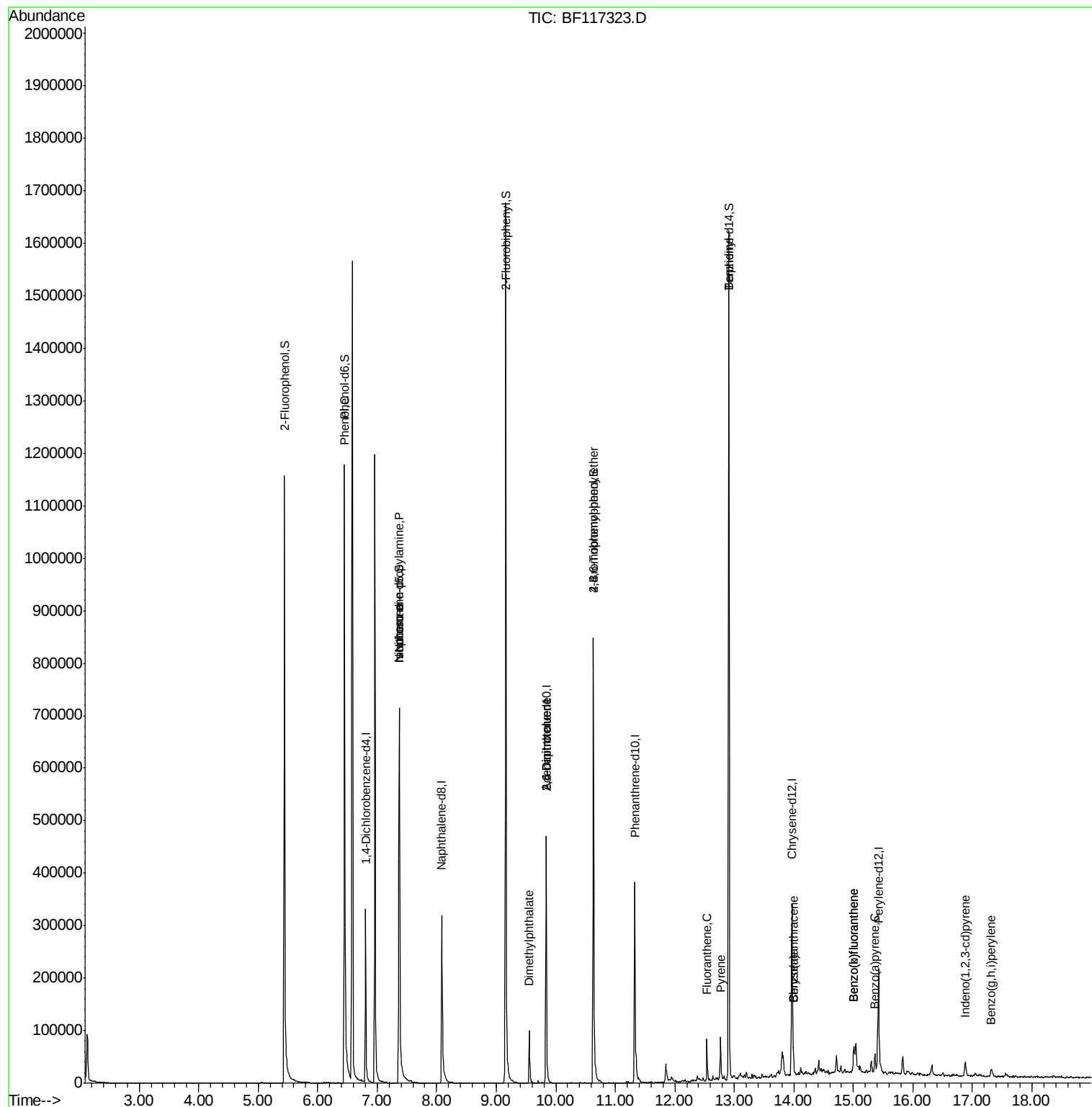
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	719	Below Cal	#	1
10) Phenol	6.46	94	10777	2.155 ng	#	68
19) n-Nitroso-di-n-propylamine	7.37	70	46962	17.003 ng	#	78
25) Isophorone	7.37	82	353337	47.963 ng	#	66
50) Dimethylphthalate	9.56	163	56804	7.177 ng		97
51) 2,6-Dinitrotoluene	9.84	165	14544	9.022 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	14544	6.950 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	7085	3.887 ng	#	1
75) Fluoranthene	12.54	202	37094	3.561 ng		99
77) Benzidine	12.91	184	7129	2.121 ng	#	95
78) Pyrene	12.77	202	36909	4.215 ng		98
81) Benzo(a)anthracene	13.99	228	19700	2.826 ng		93
83) Chrysene	13.99	228	19700	2.897 ng		97
86) Indeno(1,2,3-cd)pyrene	16.88	276	13549	2.731 ng		96
88) Benzo(b)fluoranthene	15.00	252	32206	5.814 ng	#	86
89) Benzo(k)fluoranthene	15.00	252	32206	6.138 ng	#	86
90) Benzo(a)pyrene	15.36	252	17990	3.701 ng	#	93
92) Benzo(g,h,i)perylene	17.32	276	13907	3.604 ng	#	92

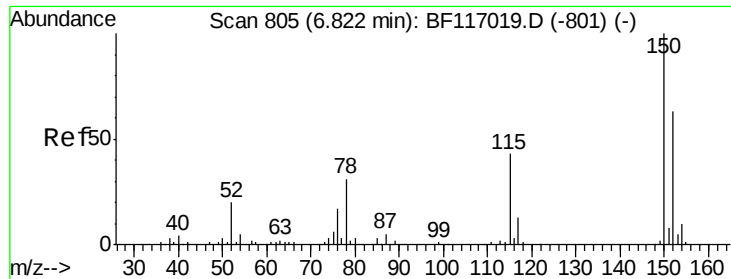
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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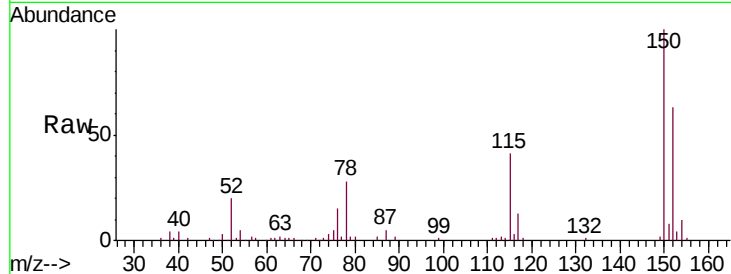


#1

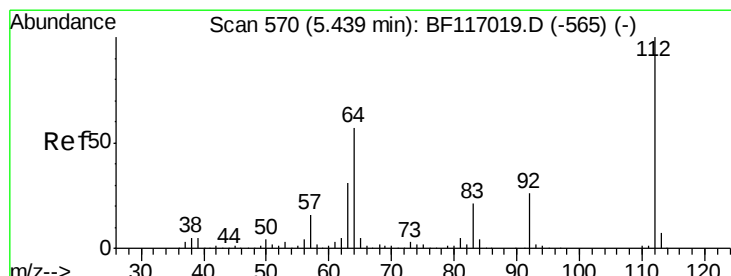
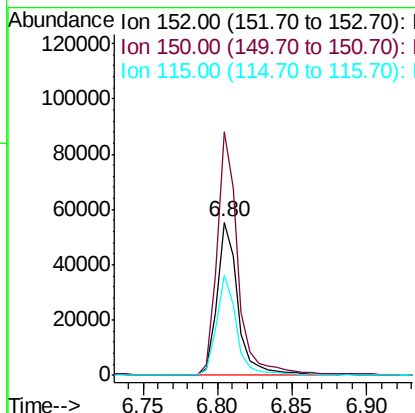
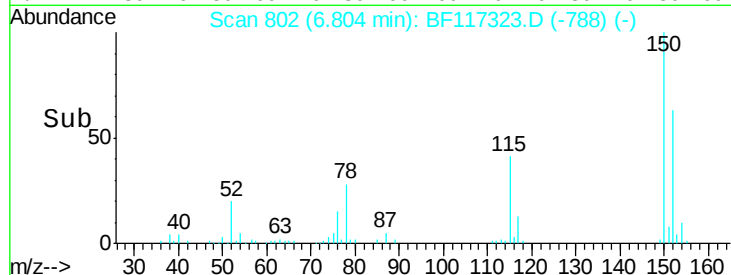
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tgt Ion:152 Resp: 54796
Ion Ratio Lower Upper
152 100
150 158.9 127.5 191.3
115 65.2 55.0 82.4



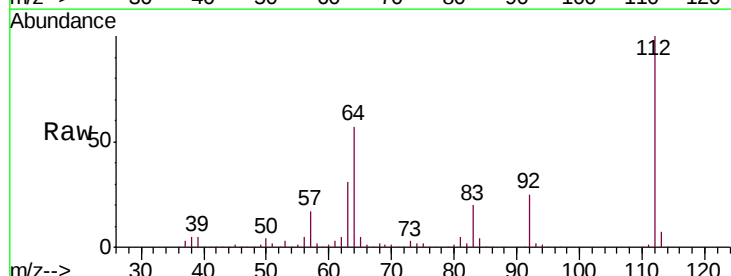
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



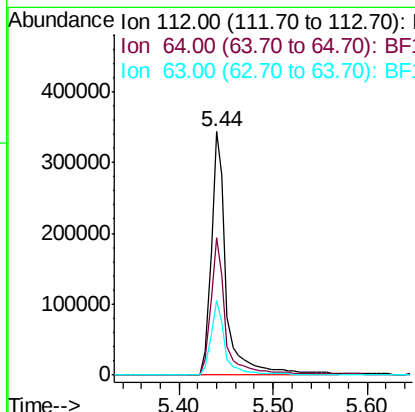
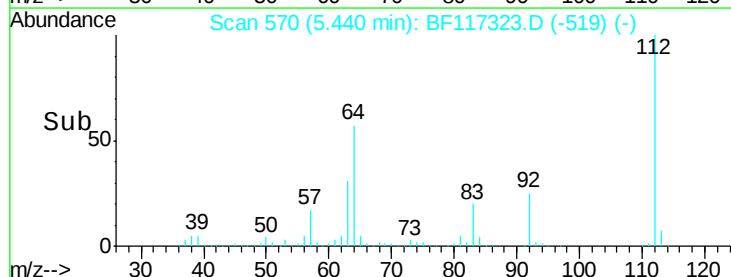
#5

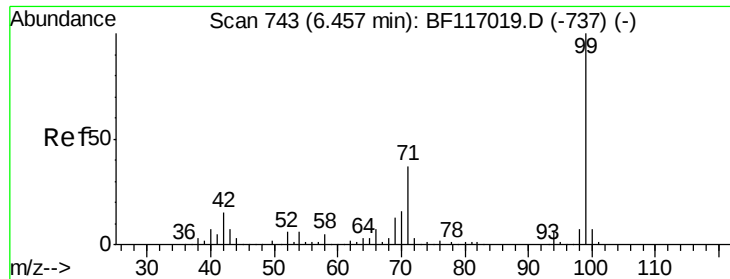
2-Fluorophenol
Concen: 112.523 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion:112 Resp: 394928
Ion Ratio Lower Upper
112 100
64 56.6 45.7 68.5
63 30.6 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: 124.622 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

ClientSampled :

CSA-3-1

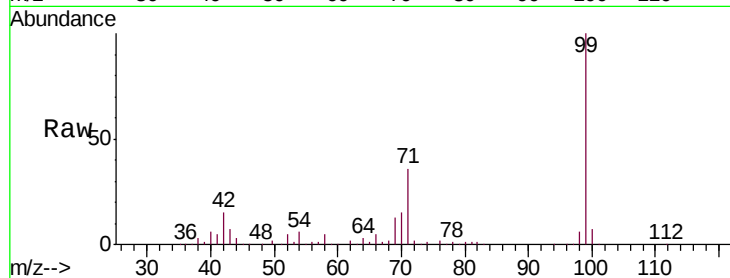
Tgt Ion: 99 Resp: 565271

Ion Ratio Lower Upper

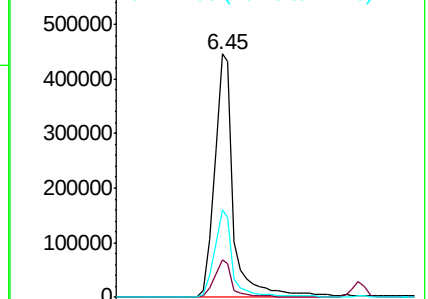
99 100

42 15.2 12.2 18.2

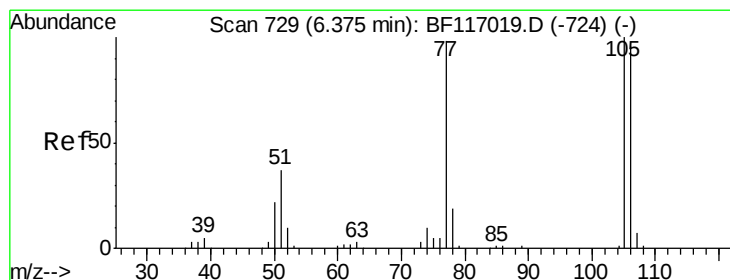
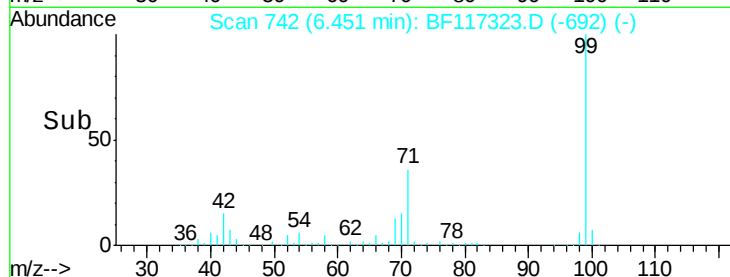
71 36.1 29.8 44.8



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-->



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

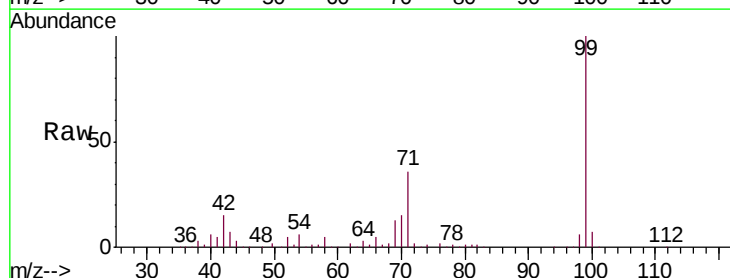
Tgt Ion: 77 Resp: 719

Ion Ratio Lower Upper

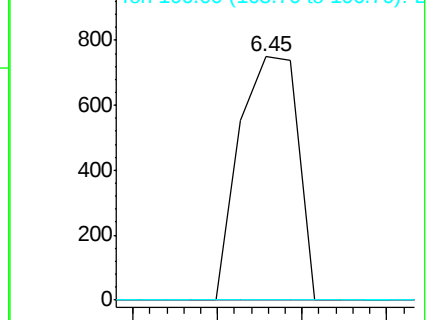
77 100

105 0.0 81.8 121.8#

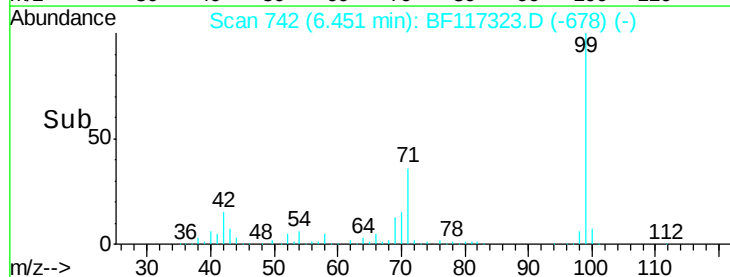
106 0.0 77.3 117.3#

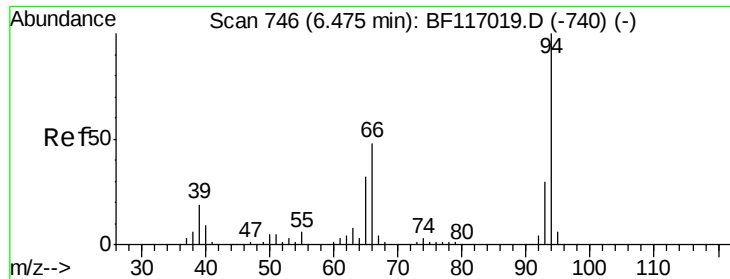


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



Time-->

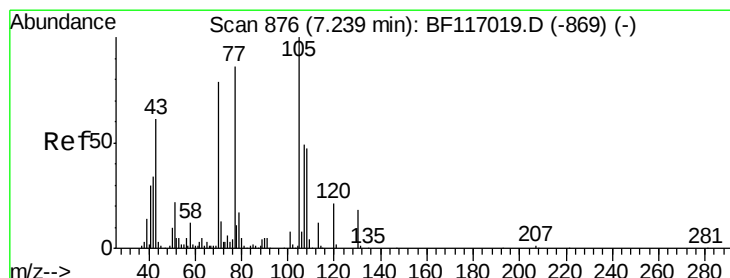
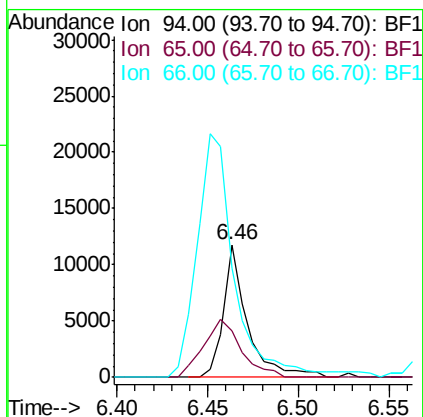
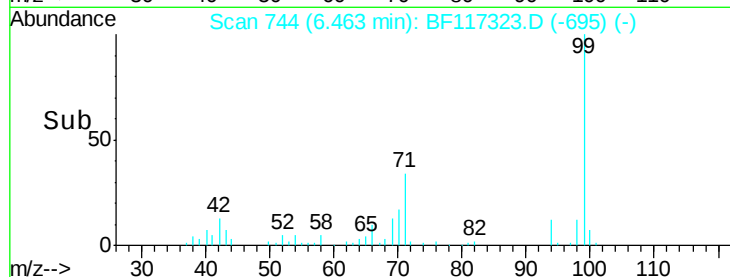
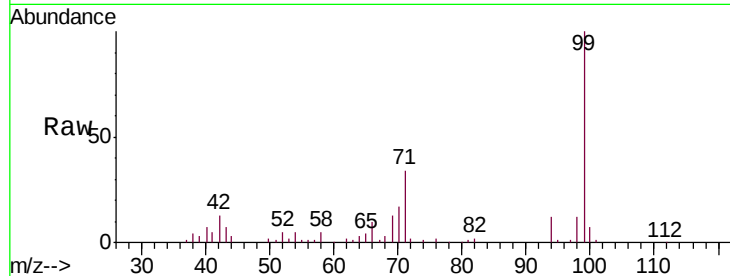




#10
Phenol
Concen: 2.155 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

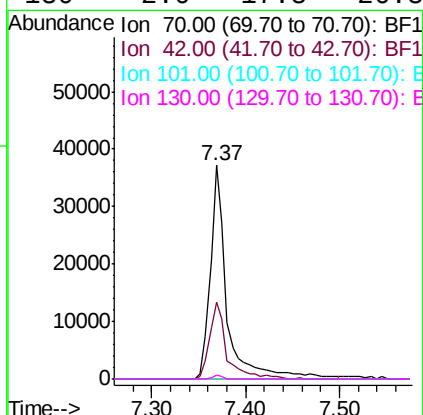
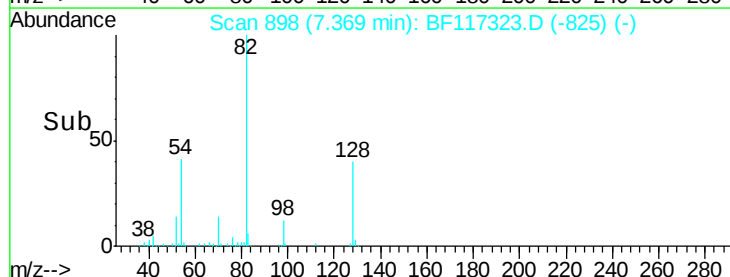
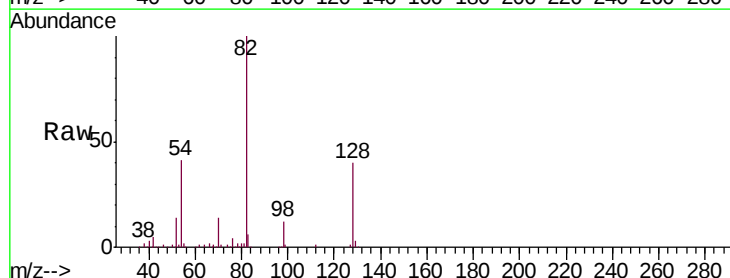
Instrument :
BNA_F
ClientSampleId :
CSA-3-1

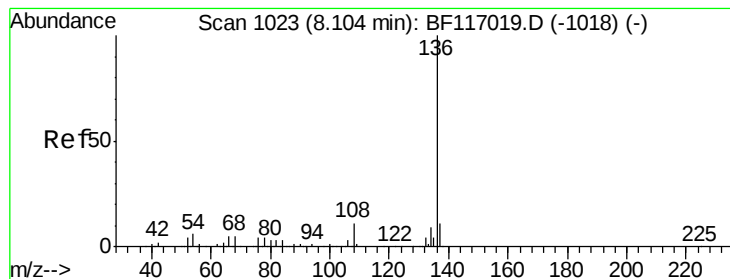
Tgt Ion: 94 Resp: 10777
Ion Ratio Lower Upper
94 100
65 34.9 12.5 52.5
66 82.8 28.9 68.9#



#19
n-Nitroso-di-n-propylamine
Concen: 17.003 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion: 70 Resp: 46962
Ion Ratio Lower Upper
70 100
42 35.9 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

CSA-3-1

Tgt Ion:136 Resp: 218614

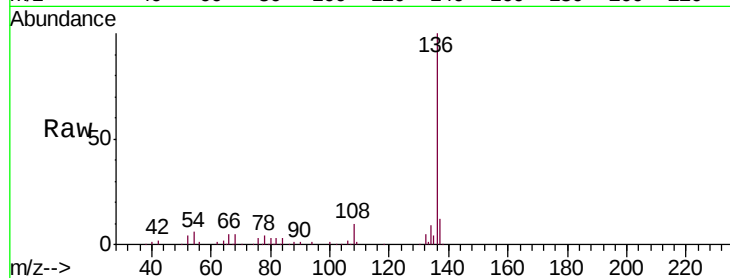
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 5.9 4.5 6.7

68 4.8 4.0 6.0

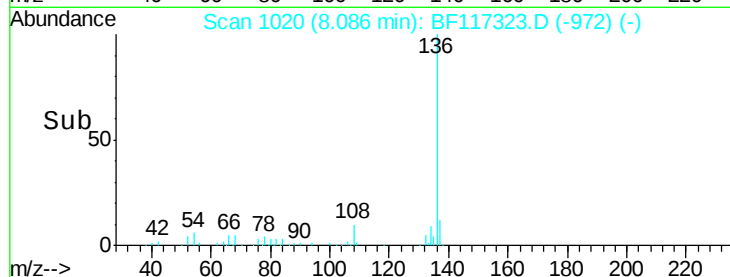


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

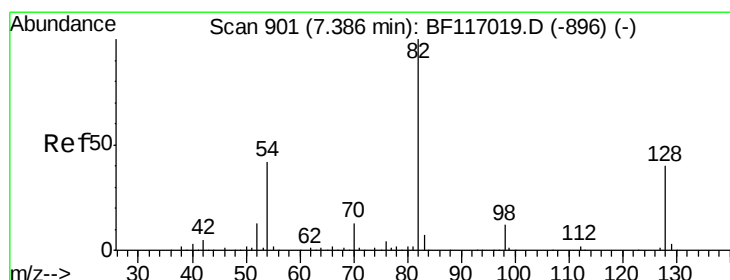
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

8.09



#23

Nitrobenzene-d5

Concen: 84.923 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

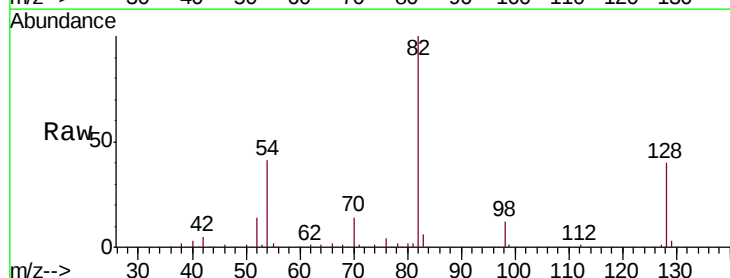
Tgt Ion: 82 Resp: 353339

Ion Ratio Lower Upper

82 100

128 40.5 32.3 48.5

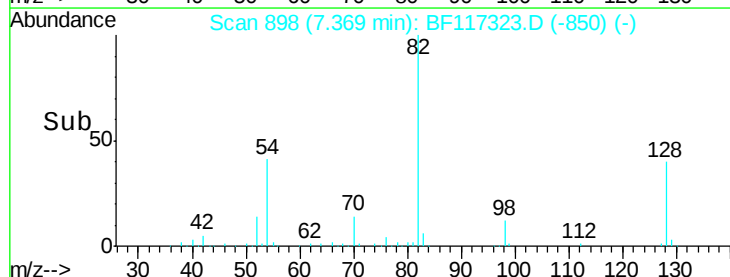
54 41.5 33.3 49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

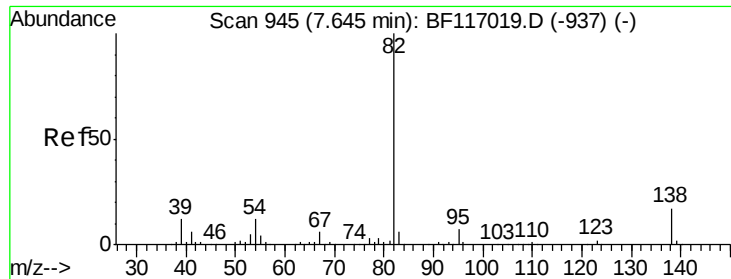
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

7.37



#25

Isophorone

Concen: 47.963 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

CSA-3-1

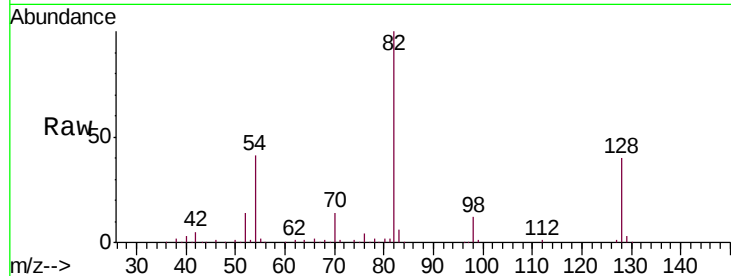
Tgt Ion: 82 Resp: 353337

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

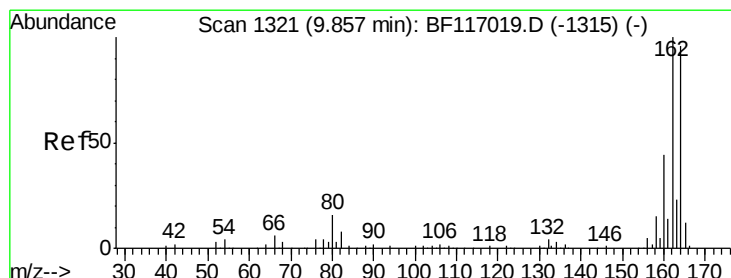
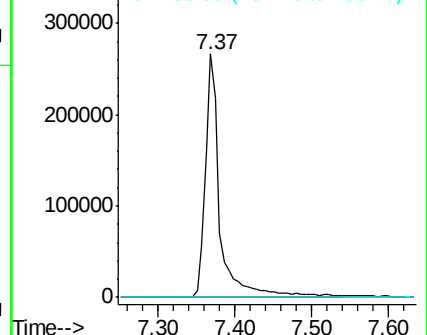
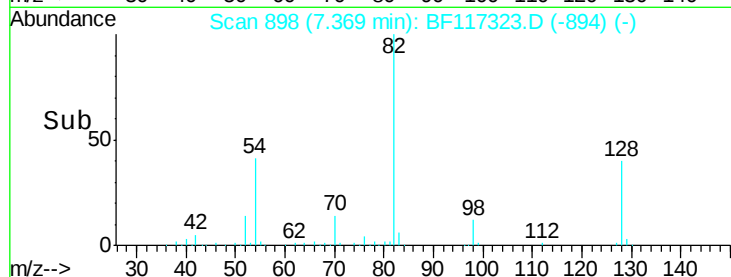
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

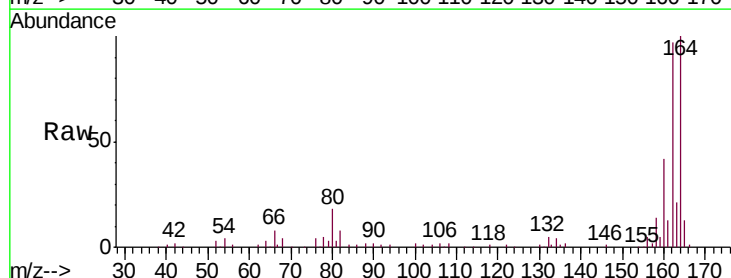
Tgt Ion: 164 Resp: 111787

Ion Ratio Lower Upper

164 100

162 97.1 83.4 125.2

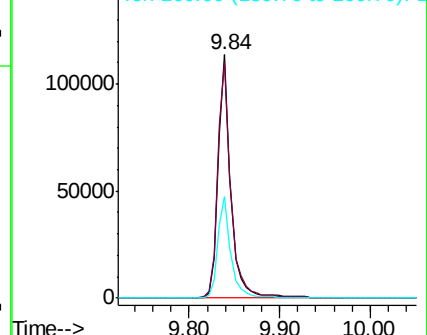
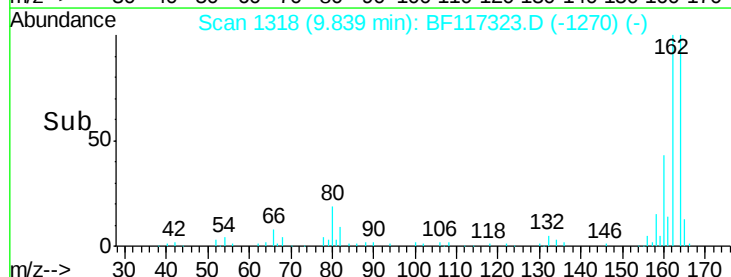
160 41.7 36.4 54.6



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

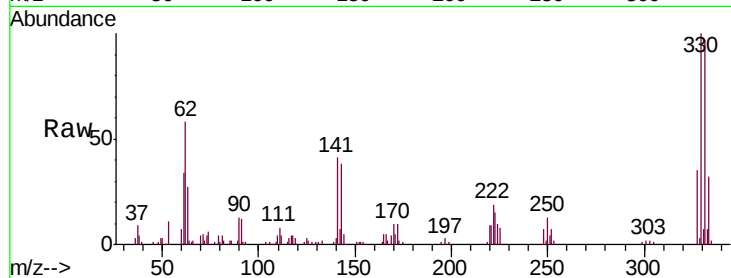




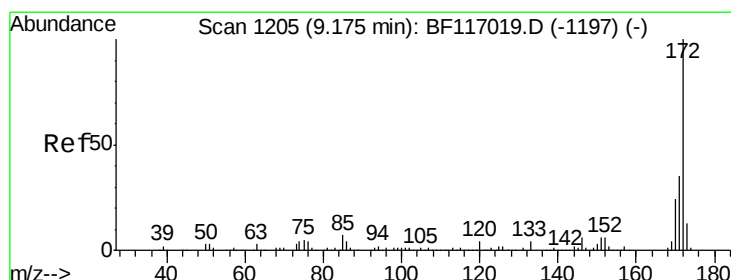
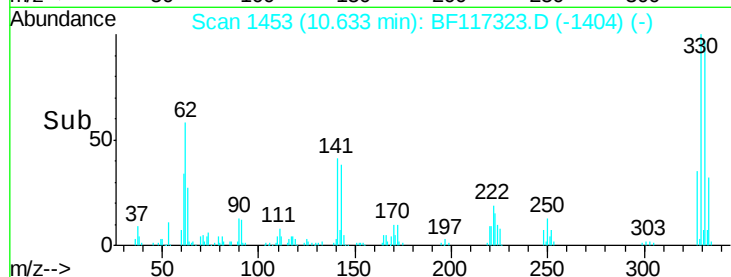
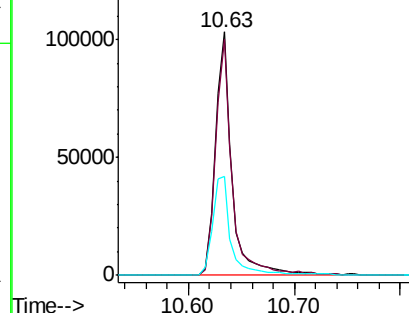
#42
 2,4,6-Tribromophenol
 Concen: 123.674 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Tgt Ion:330 Resp: 115547
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.0 117.0
 141 44.8 35.8 53.6

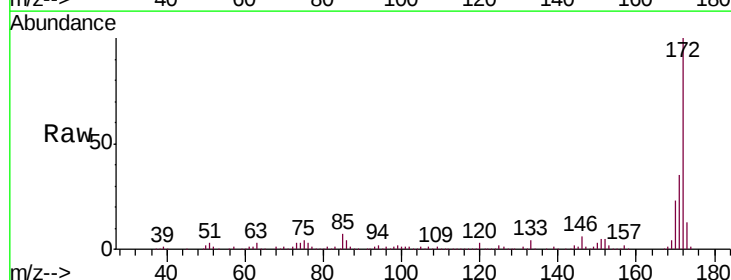


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

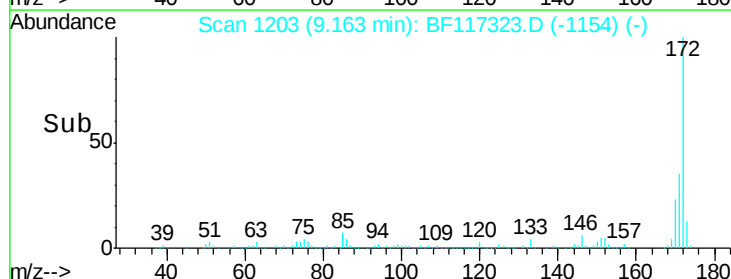
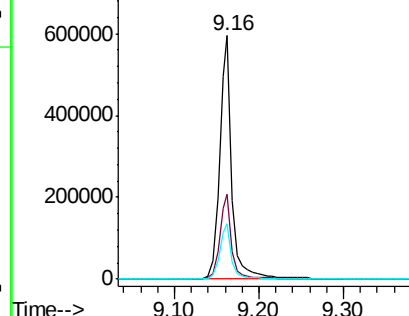


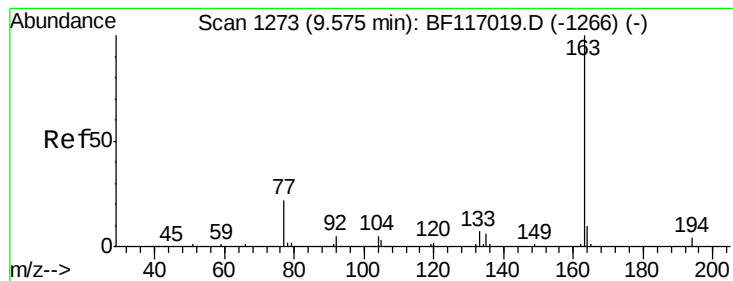
#45
 2-Fluorobiphenyl
 Concen: 86.244 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion:172 Resp: 616596
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.2 42.2
 170 22.8 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: 7.177 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

CSA-3-1

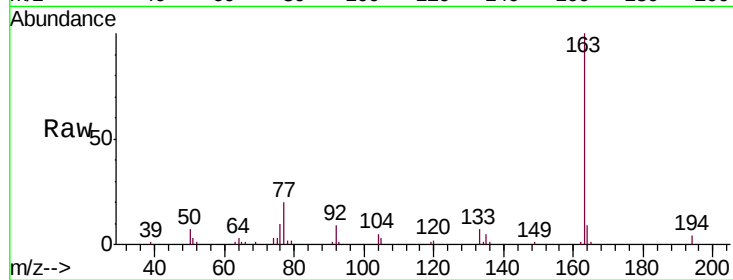
Tgt Ion:163 Resp: 56804

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

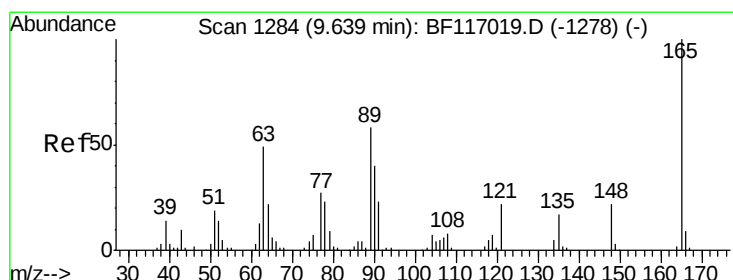
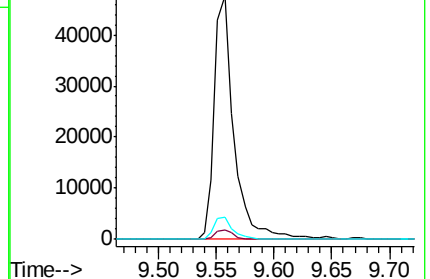
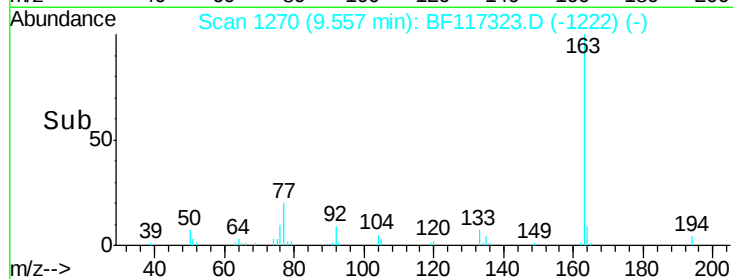
164 9.0 8.2 12.4



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: 9.022 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

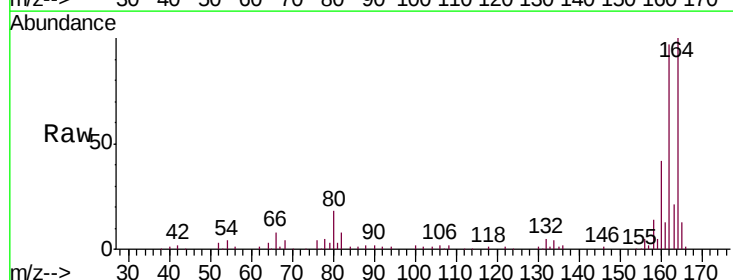
Tgt Ion:165 Resp: 14544

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

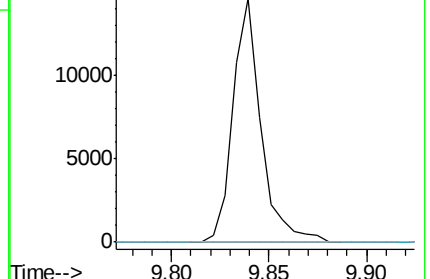
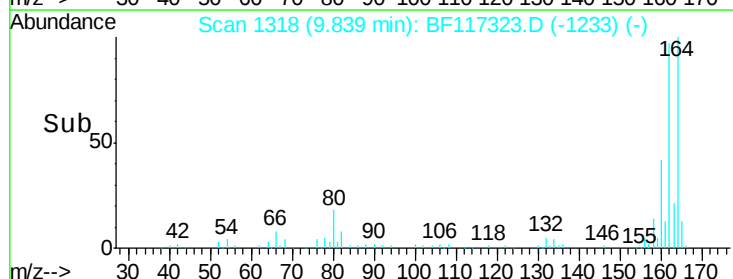
89 0.0 46.5 69.7#

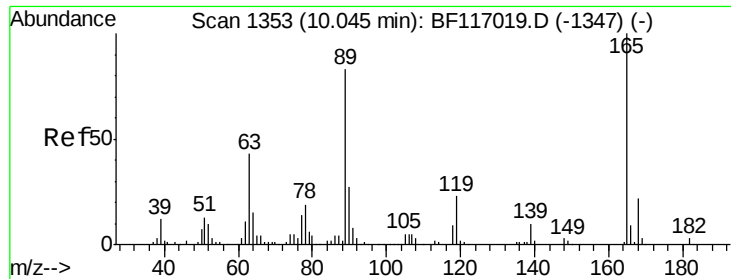


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

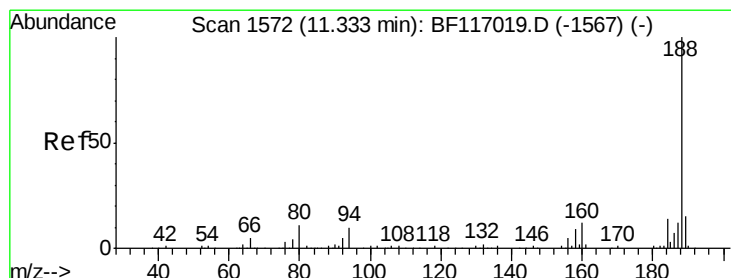
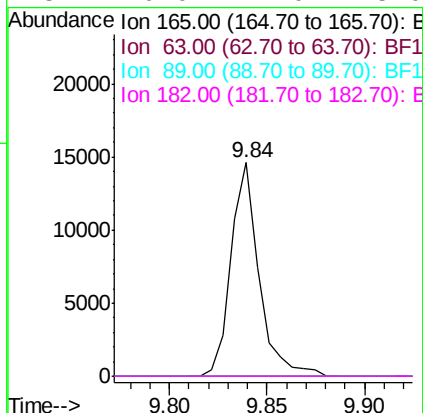
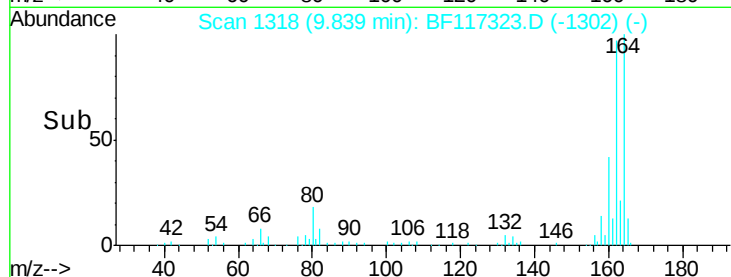
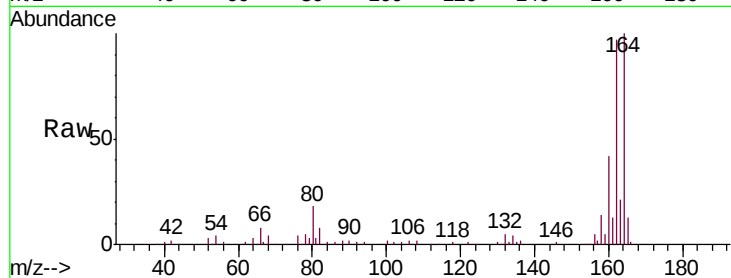




#57
 2,4-Dinitrotoluene
 Concen: 6.950 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

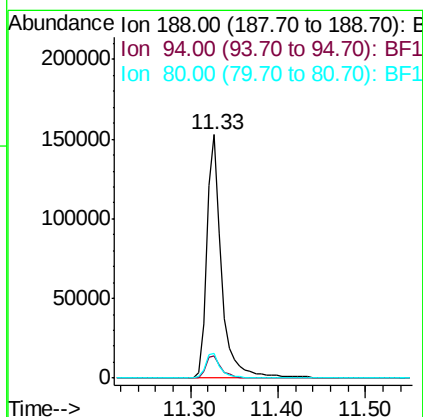
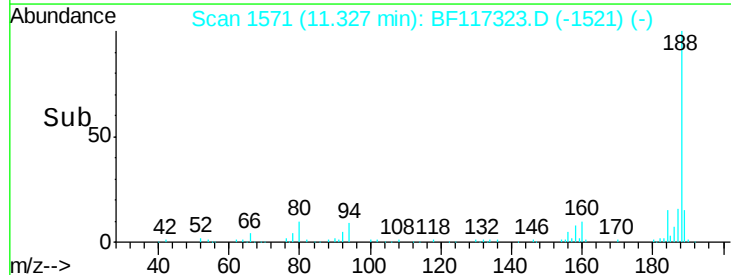
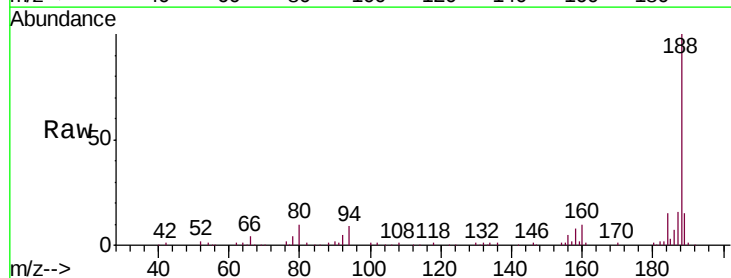
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	10.0	9.0	13.6

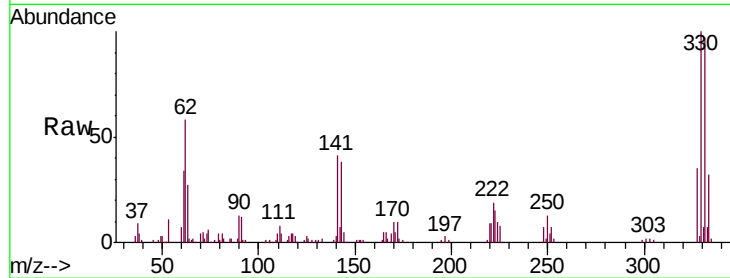




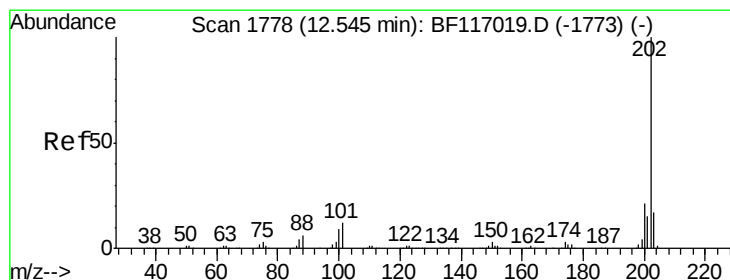
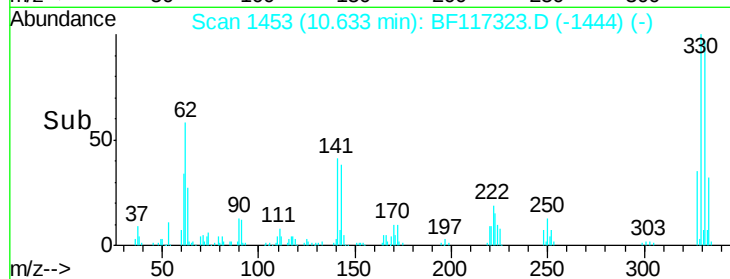
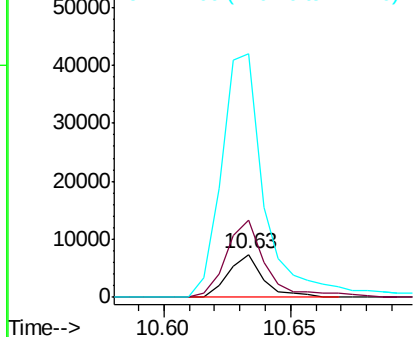
#67
 4-Bromophenyl-phenylether
 Concen: 3.887 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Tgt Ion:248 Resp: 7085
 Ion Ratio Lower Upper
 248 100
 250 179.2 76.2 114.4#
 141 566.9 75.0 112.4#

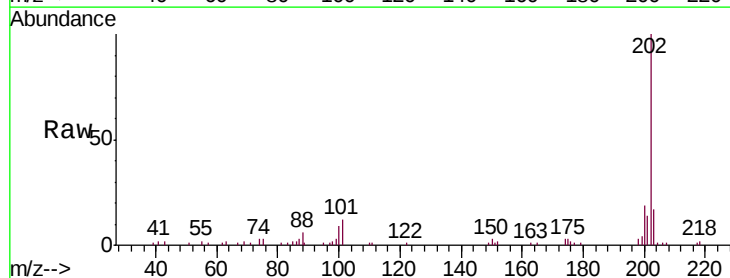


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

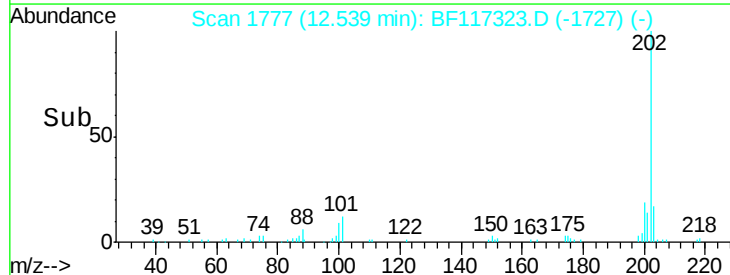
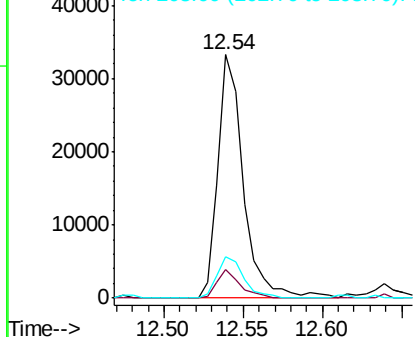


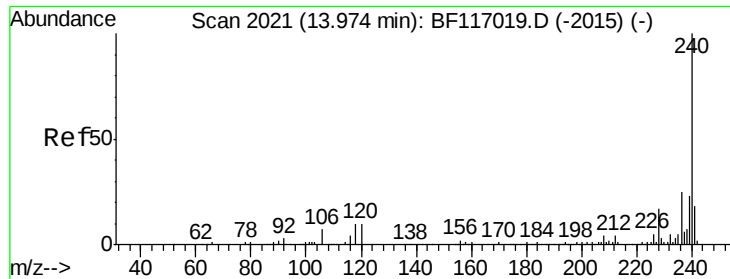
#75
 Fluoranthene
 Concen: 3.561 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion:202 Resp: 37094
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.3
 203 16.9 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

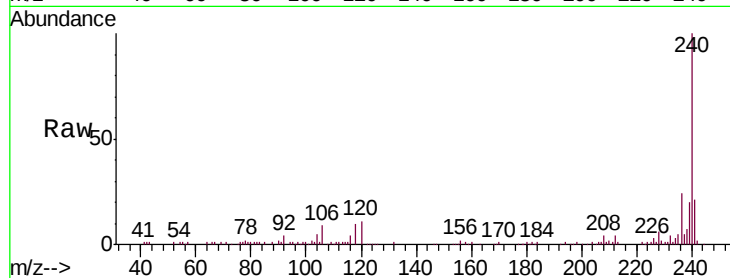




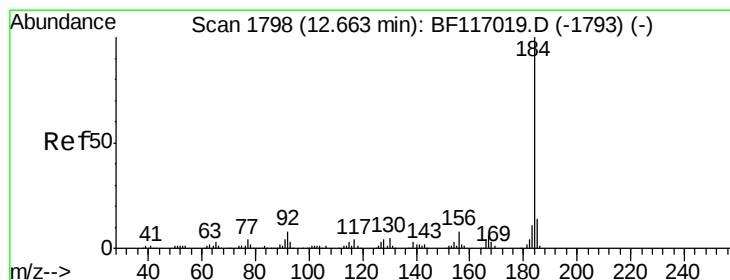
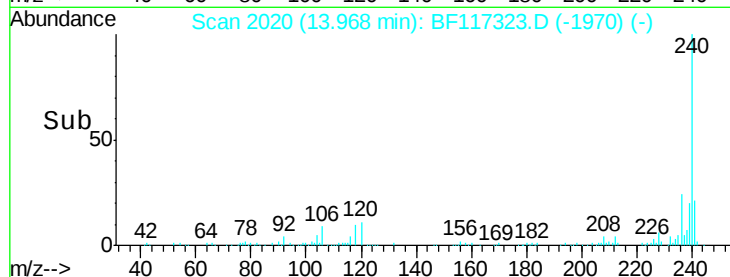
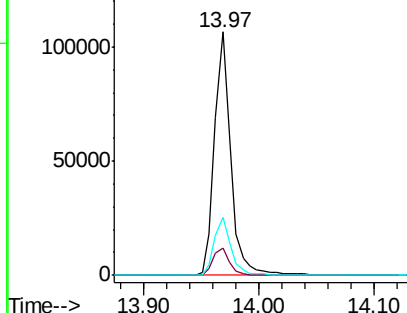
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tgt Ion:240 Resp: 104356
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 24.0 20.3 30.5

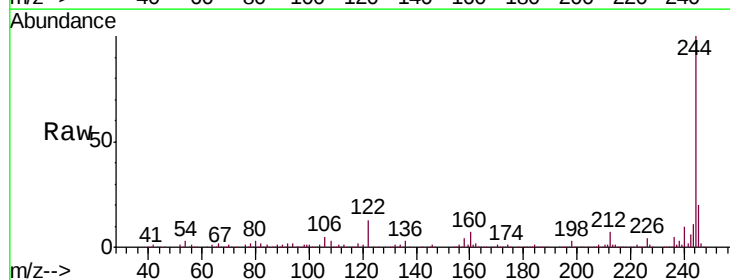


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

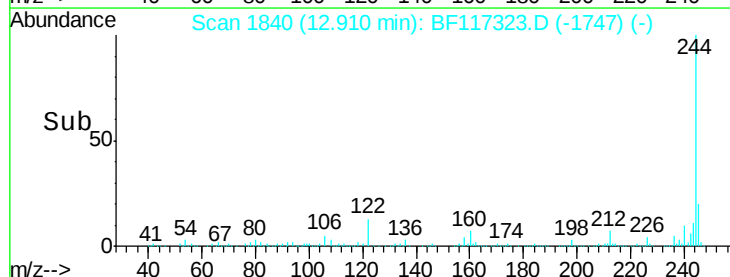
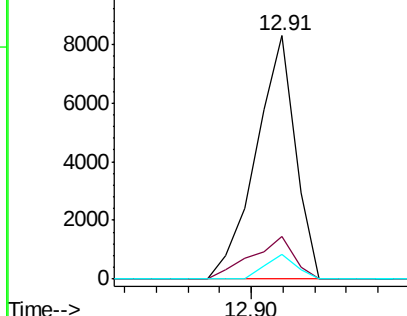


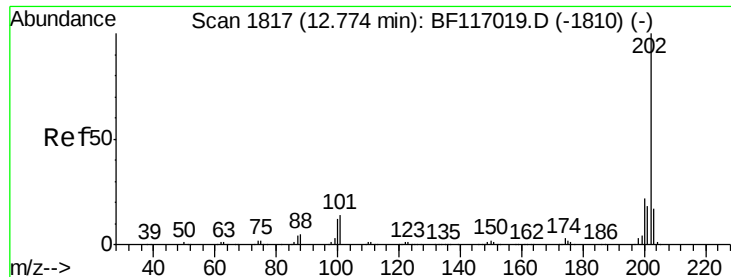
#77
Benzidine
Concen: 2.121 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.25 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion:184 Resp: 7129
Ion Ratio Lower Upper
184 100
185 17.5 11.6 17.4#
183 10.1 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

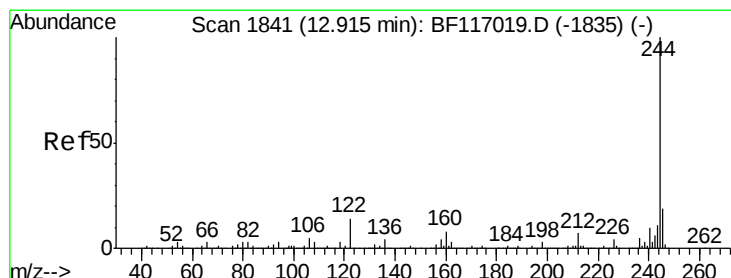
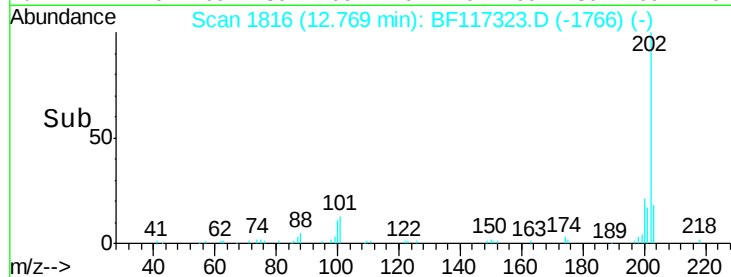
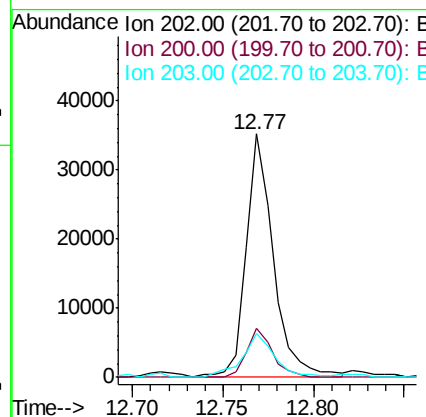
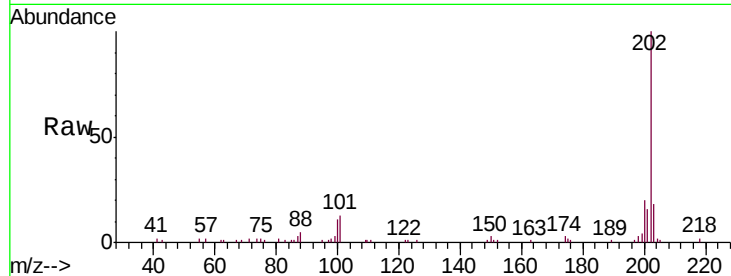




#78
 Pyrene
 Concen: 4.215 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

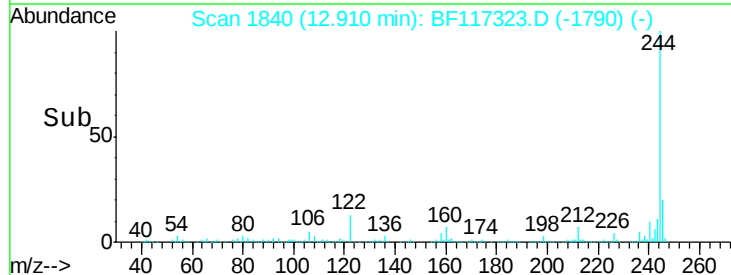
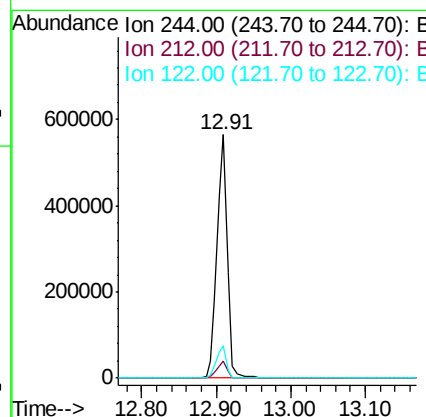
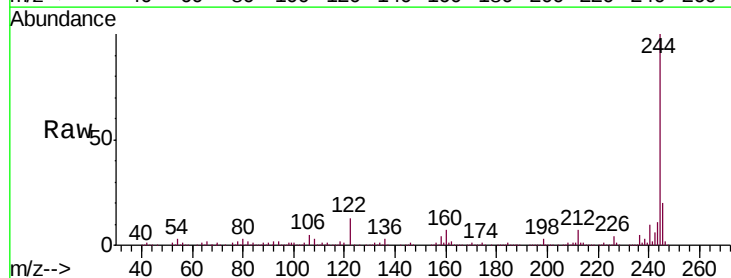
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

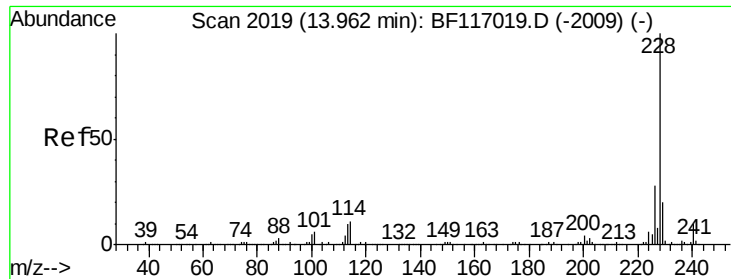
Tgt Ion: 202 Resp: 36909
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.2 25.8
 203 18.3 14.0 21.0



#79
 Terphenyl-d14
 Concen: 96.242 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion: 244 Resp: 537303
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 13.1 11.3 16.9

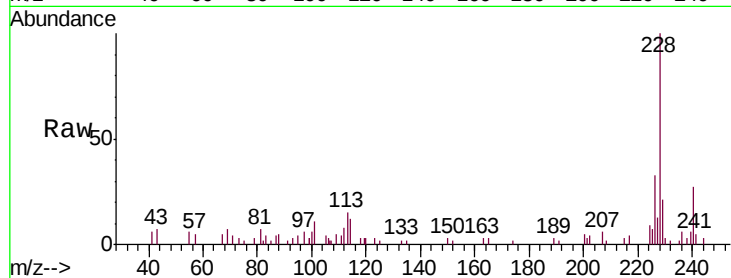




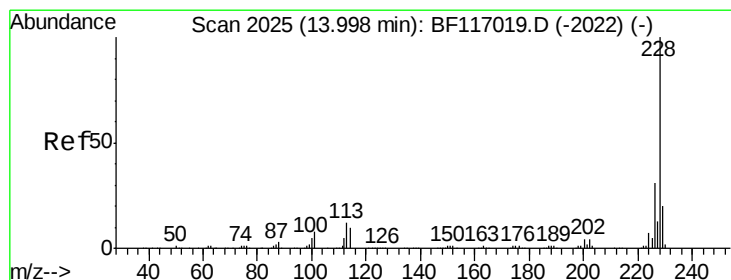
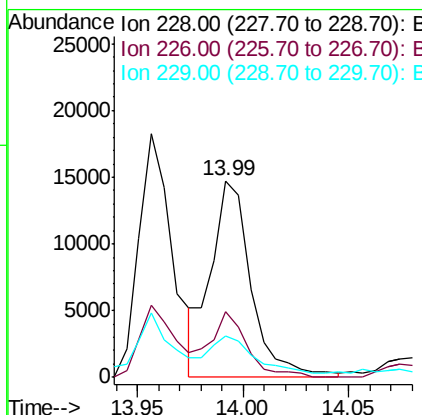
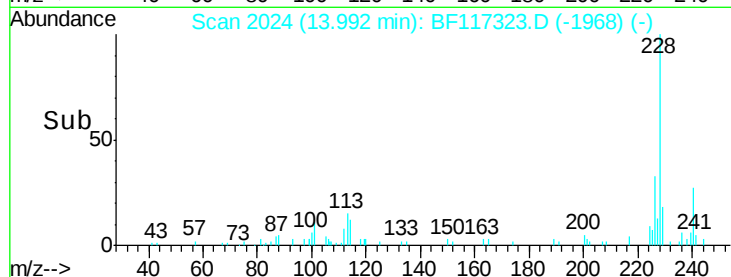
#81
Benzo(a)anthracene
Concen: 2.826 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.03 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampled :
CSA-3-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.3	33.5
229	20.8	15.9	23.9

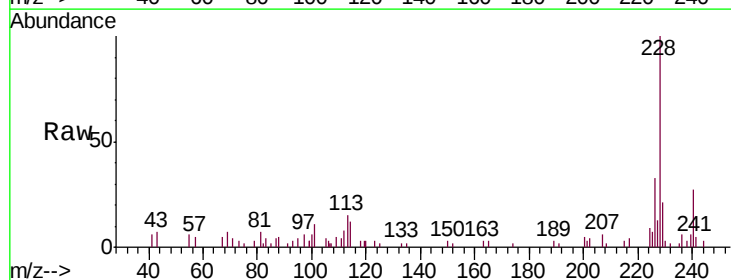


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

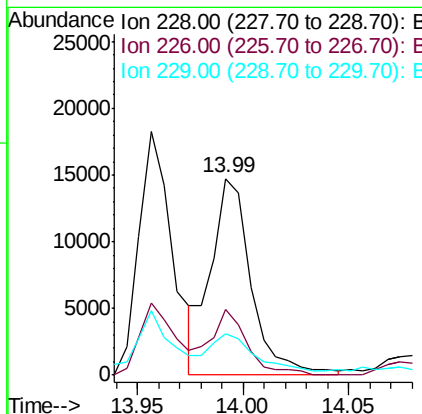
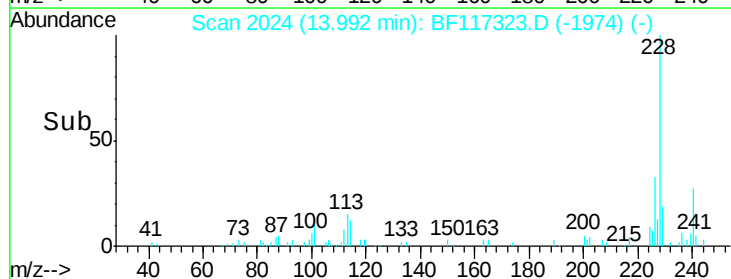


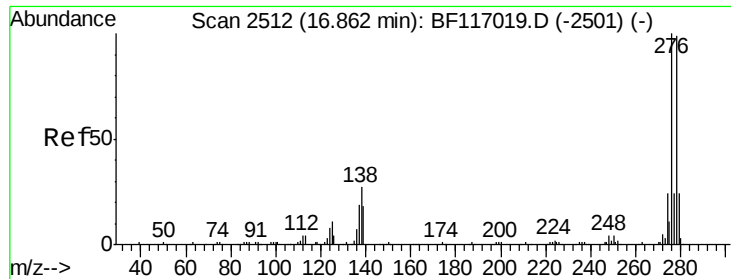
#83
Chrysene
Concen: 2.897 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.8	37.2
229	20.8	15.8	23.8



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

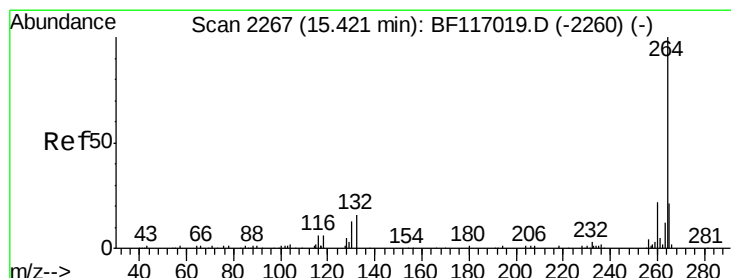
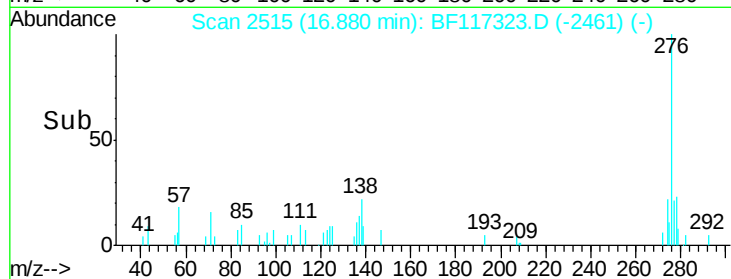
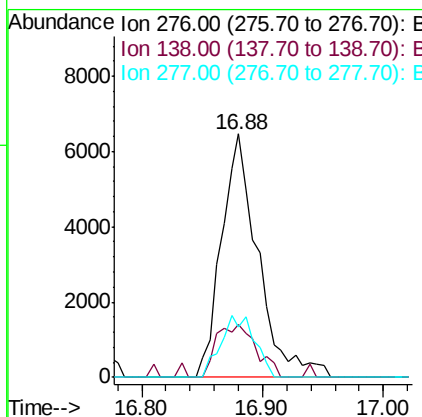
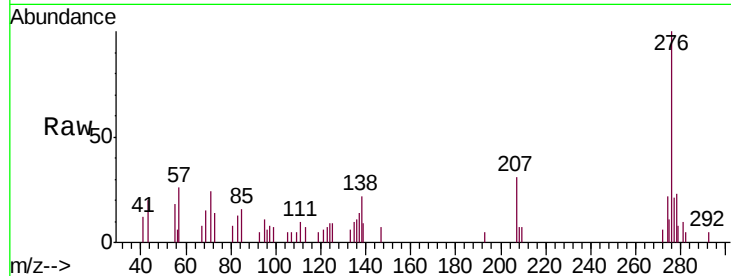




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.731 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. 0.02 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

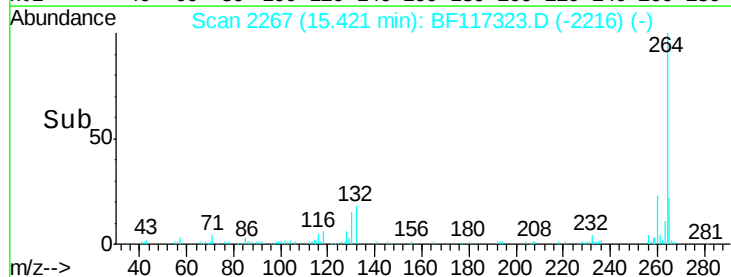
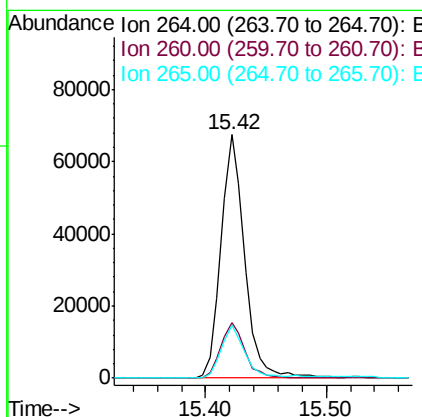
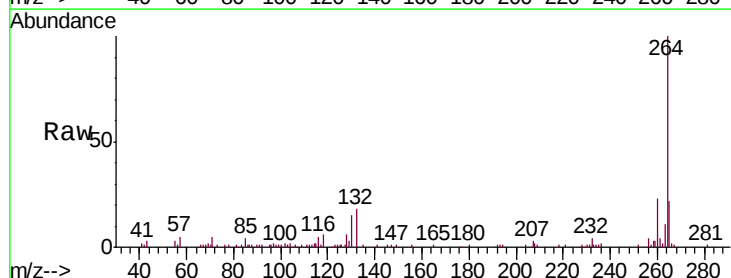
Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

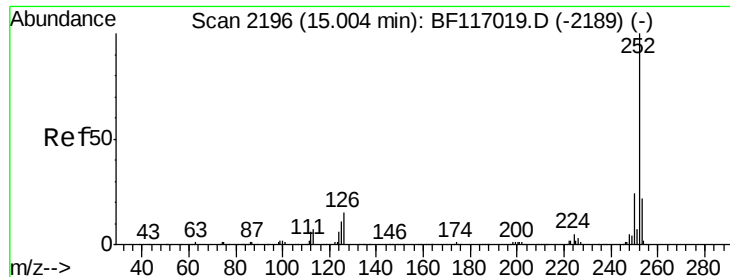
Tgt Ion: 276 Resp: 13549
 Ion Ratio Lower Upper
 276 100
 138 23.7 20.7 31.1
 277 23.4 19.8 29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion: 264 Resp: 91442
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.6 26.4
 265 21.8 16.6 24.8

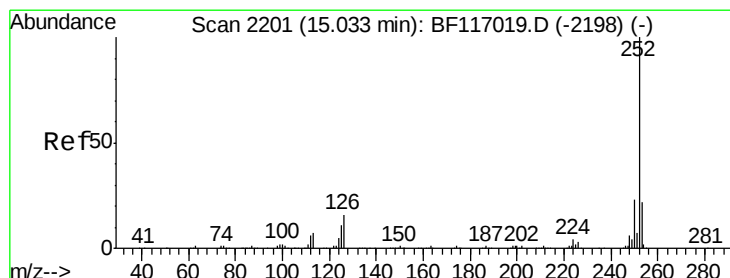
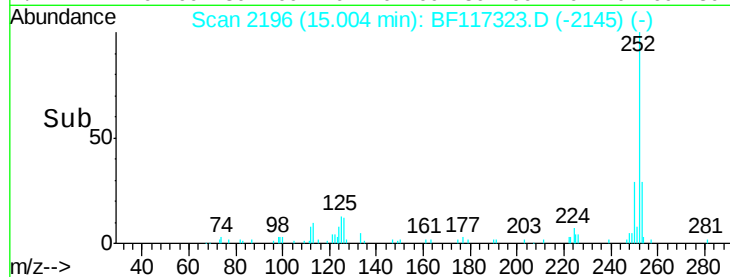
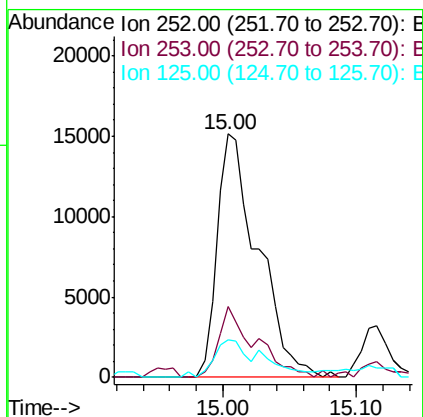
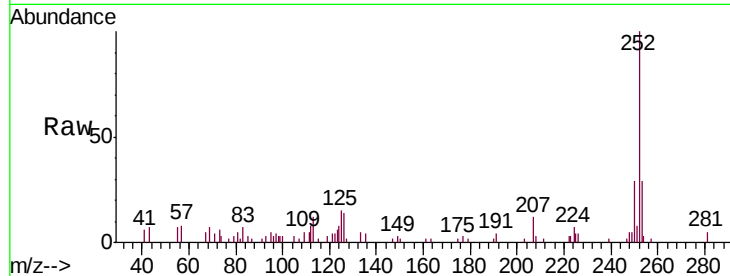




#88
Benzo(b)fluoranthene
Concen: 5.814 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

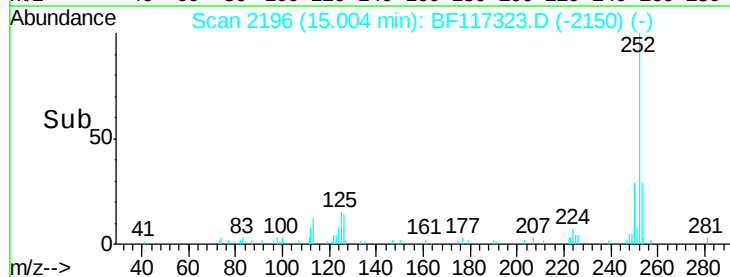
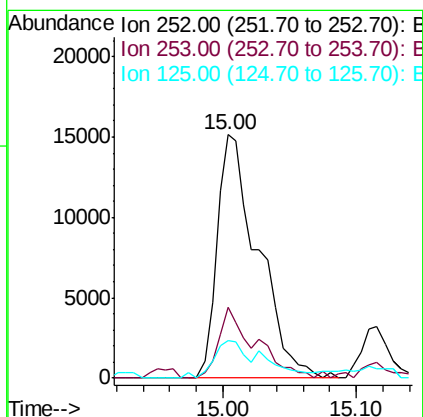
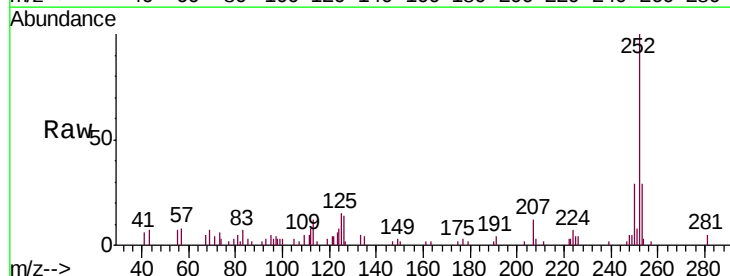
Instrument :
BNA_F
ClientSampleId :
CSA-3-1

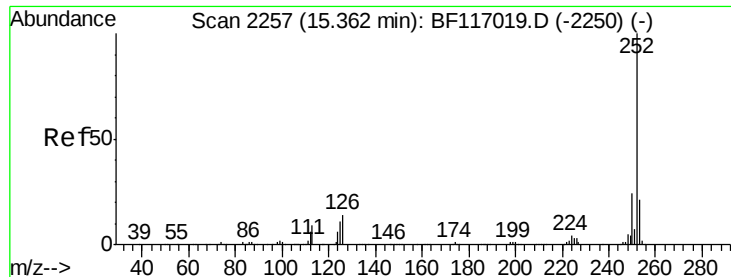
Tgt Ion:252 Resp: 32206
Ion Ratio Lower Upper
252 100
253 29.3 17.6 26.4#
125 15.3 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 6.138 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion:252 Resp: 32206
Ion Ratio Lower Upper
252 100
253 29.3 17.4 26.2#
125 15.3 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 3.701 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

CSA-3-1

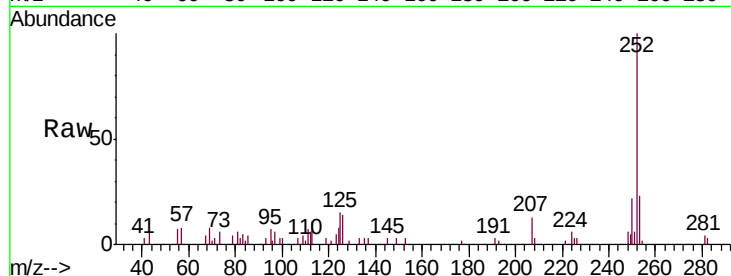
Tgt Ion:252 Resp: 17990

Ion Ratio Lower Upper

252 100

253 23.1 16.6 25.0

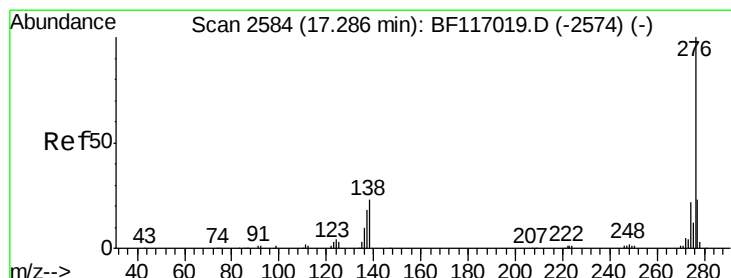
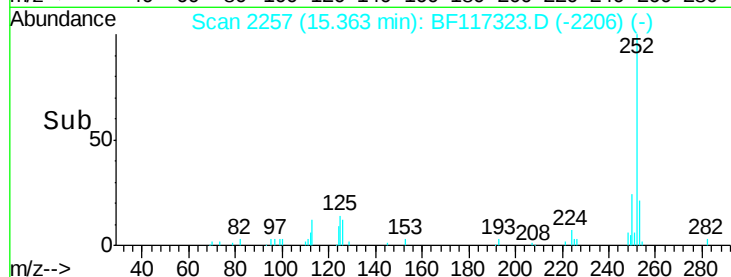
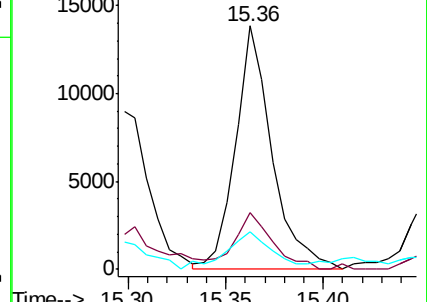
125 15.4 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 3.604 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

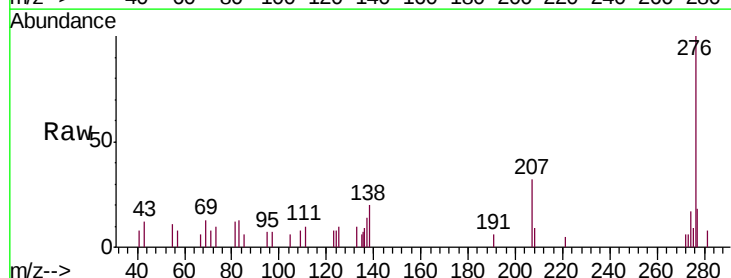
Tgt Ion:276 Resp: 13907

Ion Ratio Lower Upper

276 100

277 18.2 18.6 27.8#

138 19.5 18.0 27.0



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

