

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110192.D
 Acq On : 26 Oct 2018 6:16
 Operator : JU/SJ
 Sample : J5658-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 09:16:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141377	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	531501	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	214510	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	349098	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	242793	20.00	ng	-0.01
87) Perylene-d12	15.68	264	189382	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	851976	98.13	ng	0.00
7) Phenol-d6	6.59	99	1059610	95.42	ng	-0.01
23) Nitrobenzene-d5	7.53	82	626934	69.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	182478	85.88	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	908800	66.53	ng	-0.01
79) Terphenyl-d14	13.09	244	627938	53.79	ng	-0.02

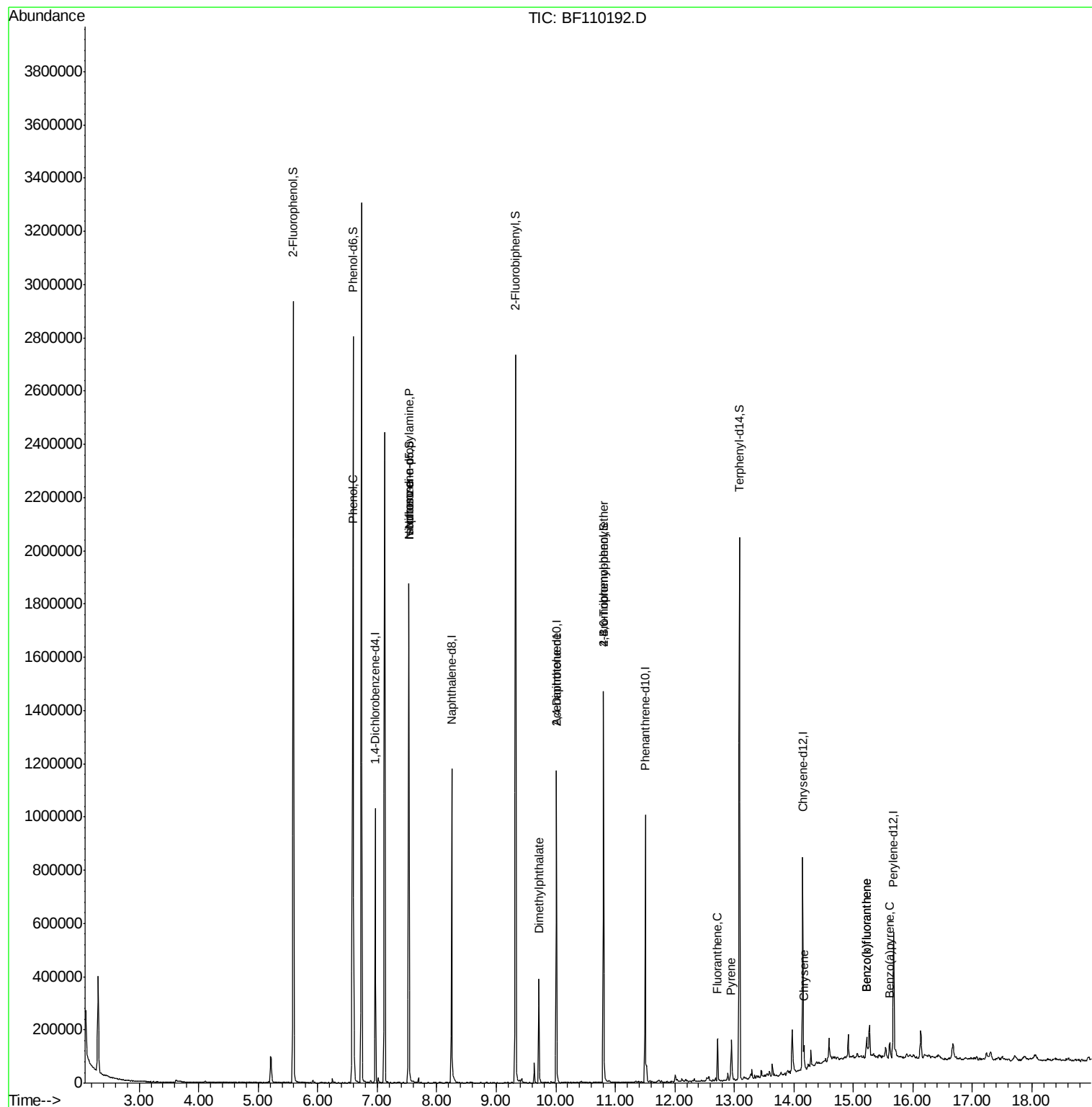
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	719	Below Cal		# 84
10) Phenol	6.60	94	119779	10.091	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	83561	11.729	ng	# 79
25) Isophorone	7.53	82	626925	41.043	ng	# 67
50) Dimethylphthalate	9.72	163	157445	9.943	ng	100
57) 2,4-Dinitrotoluene	10.01	165	26512	6.119	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	11492	3.035	ng	# 1
75) Fluoranthene	12.72	202	66225	3.572	ng	97
78) Pyrene	12.95	202	55266	3.175	ng	99
83) Chrysene	14.17	228	31123	2.276	ng	97
88) Benzo(b)fluoranthene	15.22	252	53635	4.904	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	53635	4.989	ng	# 93
90) Benzo(a)pyrene	15.61	252	25552	2.539	ng	# 92

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

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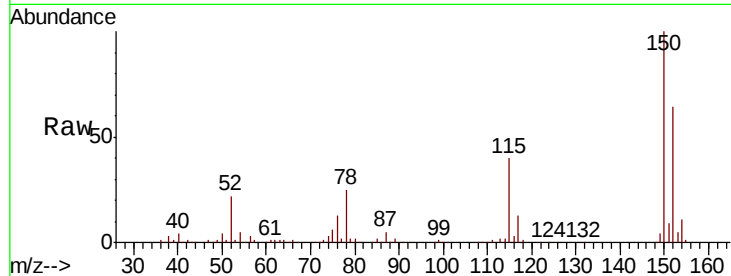


#1

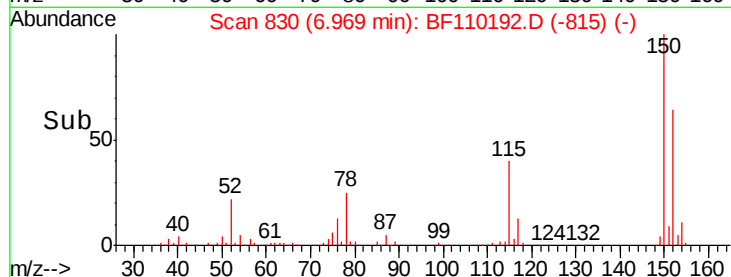
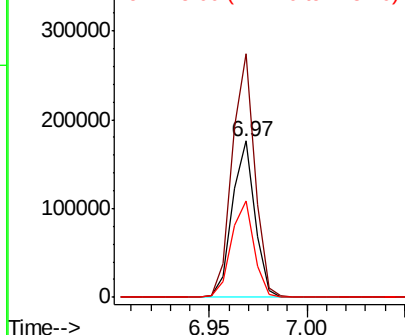
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141377
Ion Ratio Lower Upper
152 100
150 155.6 122.7 184.1
115 61.6 49.1 73.7



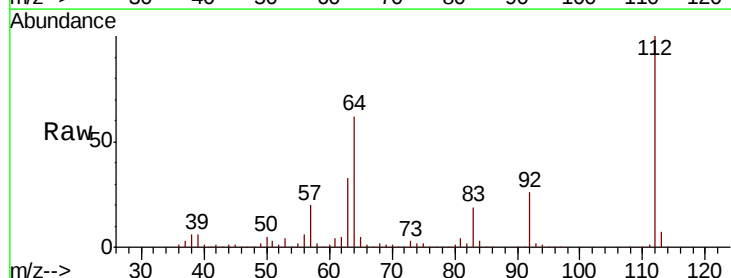
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



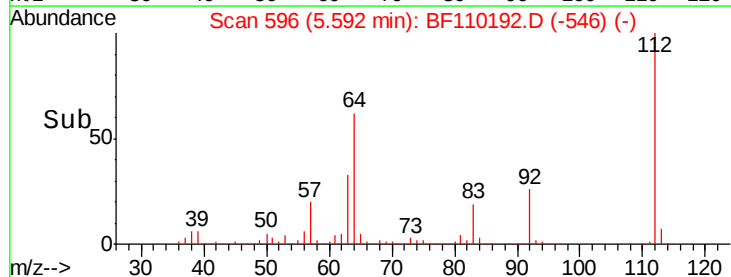
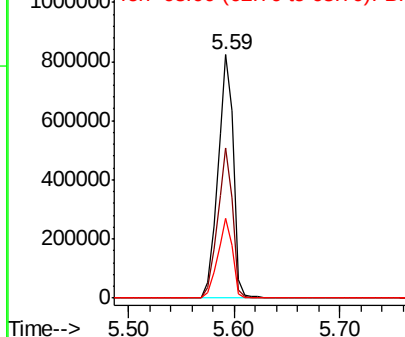
#5

2-Fluorophenol
Concen: 98.135 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion:112 Resp: 851976
Ion Ratio Lower Upper
112 100
64 61.8 44.1 66.1
63 32.6 23.7 35.5



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: 95.421 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110192.D

Acq: 26 Oct 2018 6:16

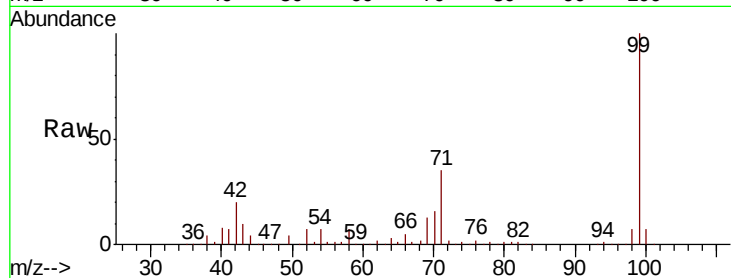
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1059610

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.8	23.6
71	34.6	28.0	42.0

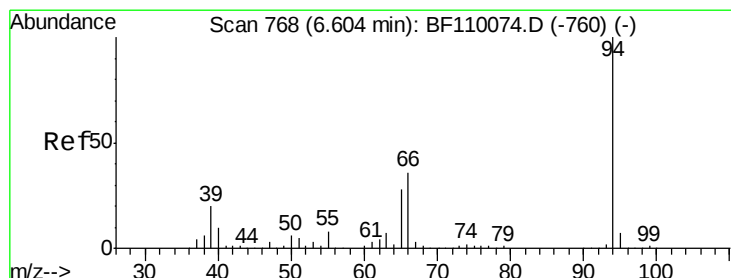
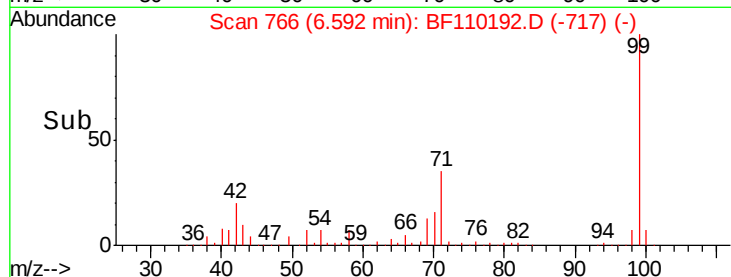
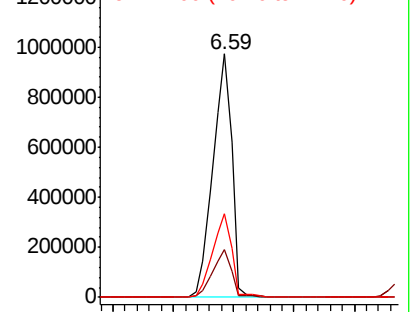


Abundance

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: 10.091 ng

RT: 6.60 min Scan# 768

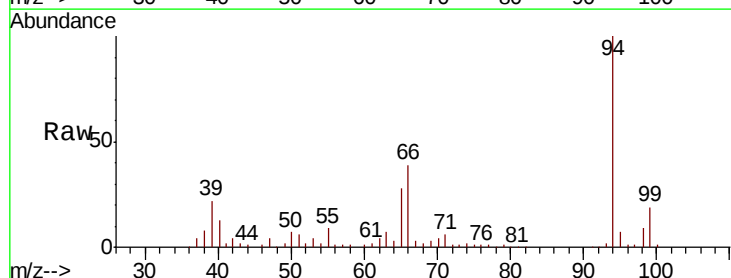
Delta R.T. -0.01 min

Lab File: BF110192.D

Acq: 26 Oct 2018 6:16

Tgt Ion: 94 Resp: 119779

Ion	Ratio	Lower	Upper
94	100		
65	27.9	25.3	65.3
66	38.6	54.5	94.5#

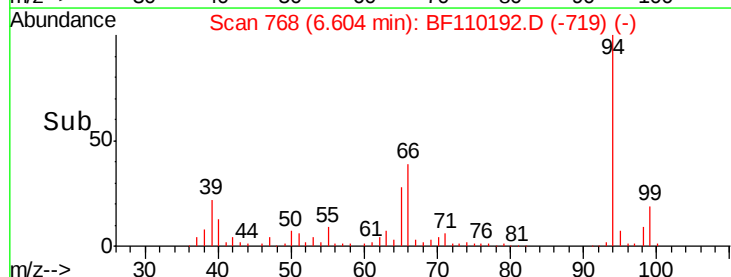
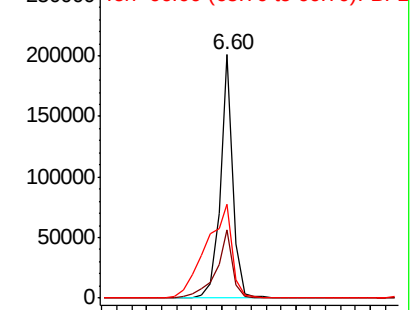


Abundance

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: 11.729 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110192.D

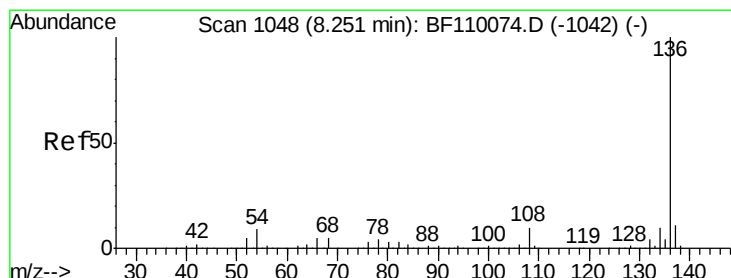
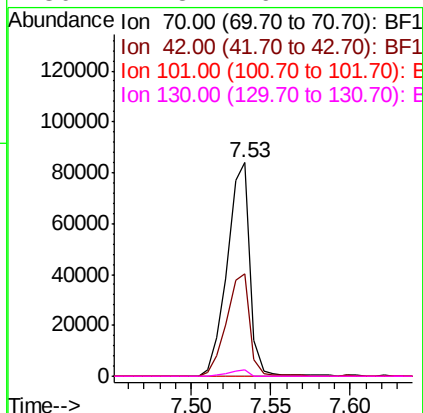
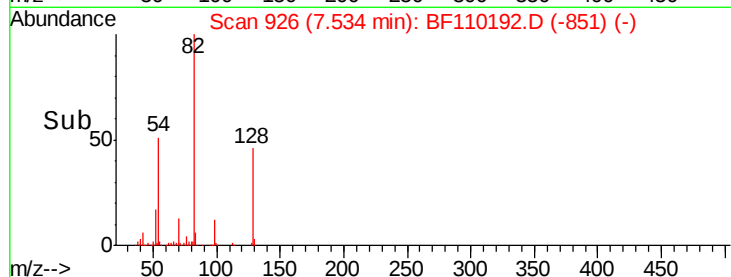
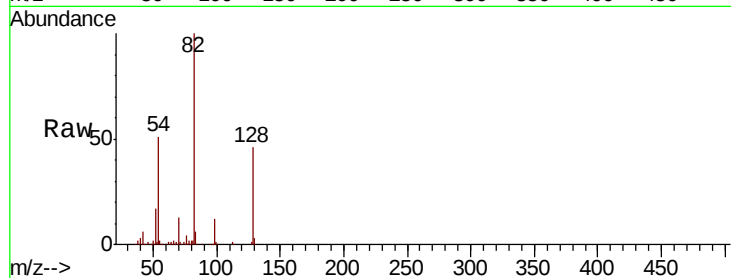
Acq: 26 Oct 2018 6:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	83561
Ion	Ratio	Lower	Upper
70	100		
42	48.0	47.4	71.2
101	0.0	7.3	10.9#
130	2.8	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

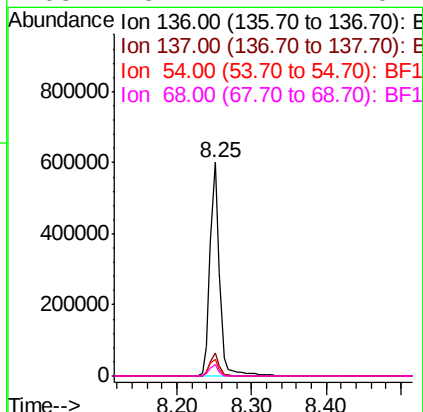
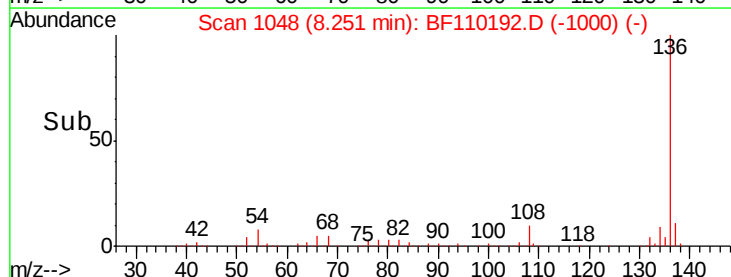
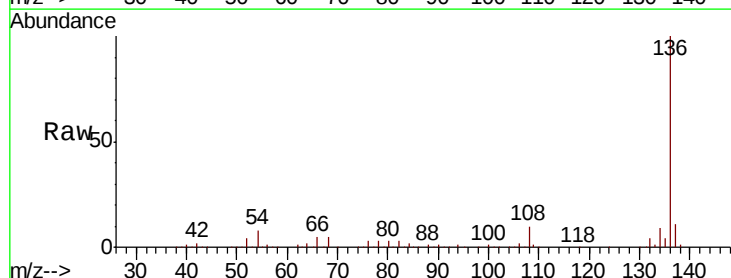
RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110192.D

Acq: 26 Oct 2018 6:16

Tgt Ion:	136	Resp:	531501
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	5.4	8.2
68	5.2	4.2	6.2

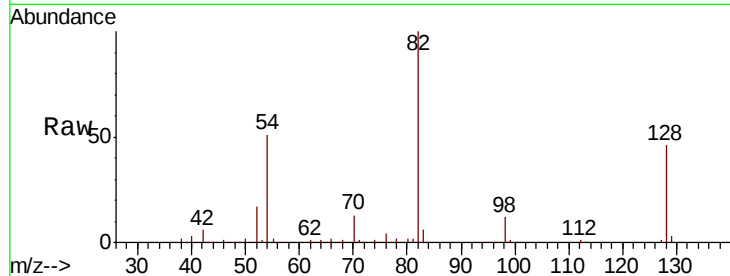




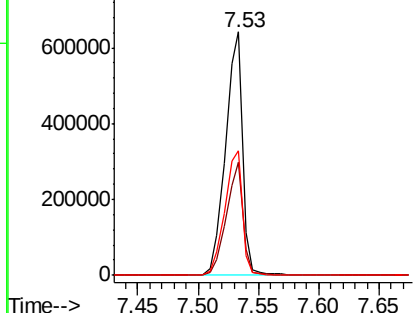
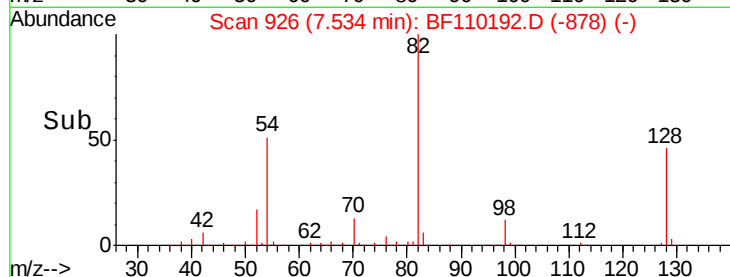
#23
Nitrobenzene-d5
Concen: 69.963 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 626934
Ion Ratio Lower Upper
82 100
128 46.5 34.2 51.2
54 51.0 38.6 58.0

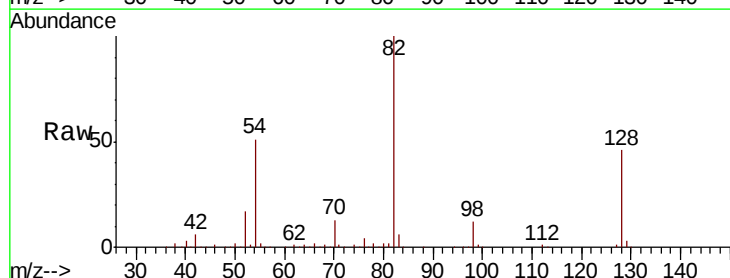


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

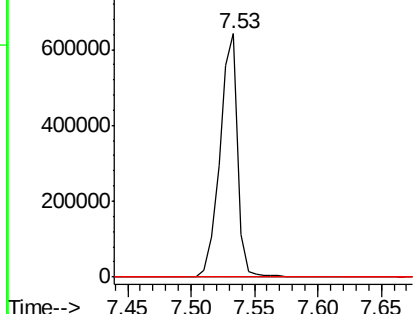
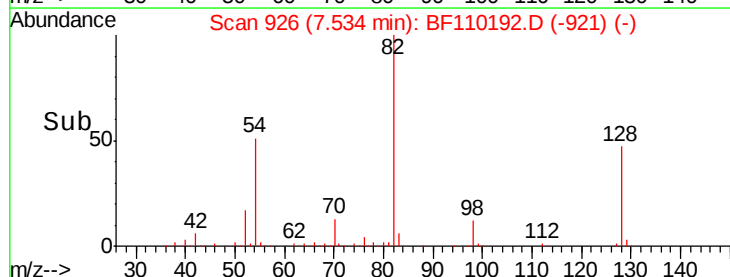


#25
Isophorone
Concen: 41.043 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion: 82 Resp: 626925
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



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: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110192.D

Acq: 26 Oct 2018 6:16

Instrument :

BNA_F

ClientSampleId :

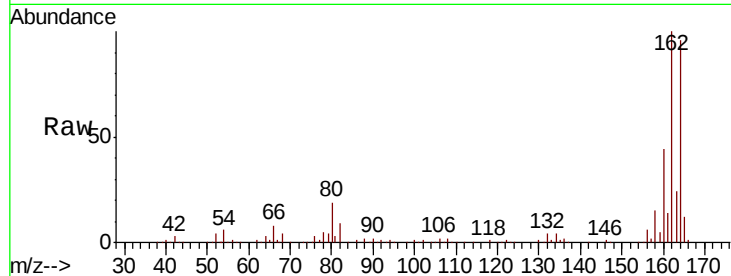
Tot Ion:164 Resp: 214510

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.6

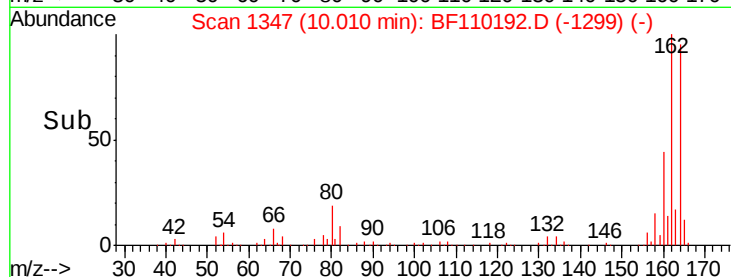
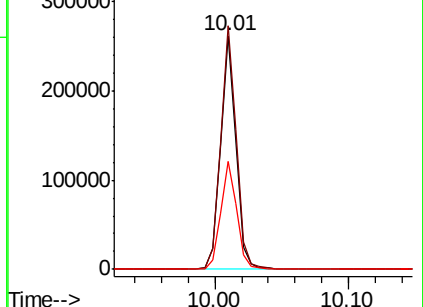
160 46.0 37.0 55.6



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: 85.878 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110192.D

Acq: 26 Oct 2018 6:16

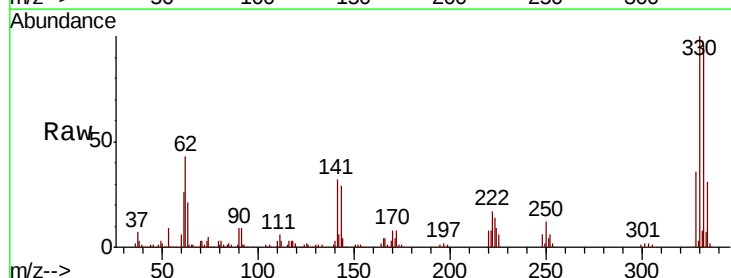
Tgt Ion:330 Resp: 182478

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

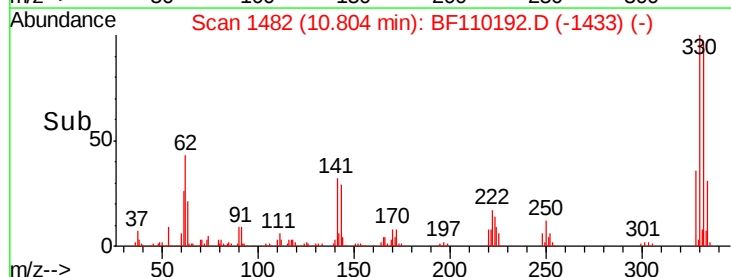
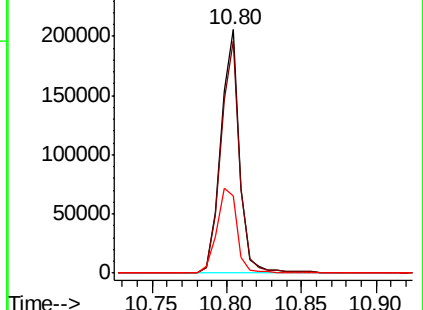
141 37.9 27.0 40.4



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

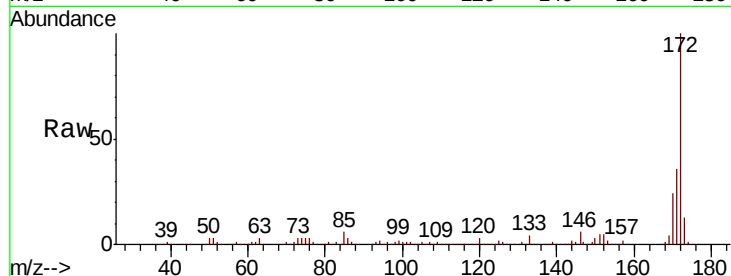




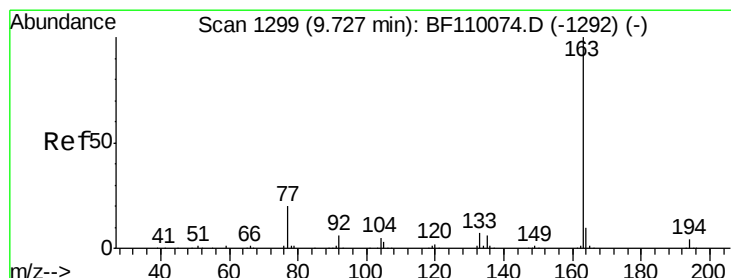
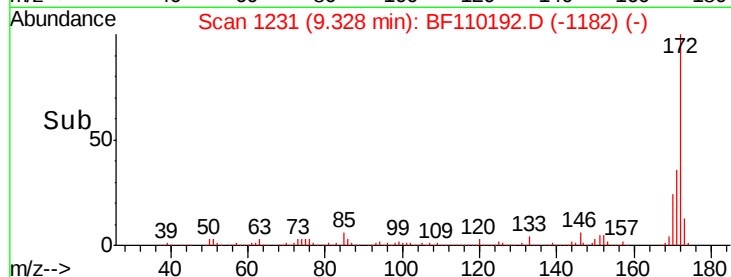
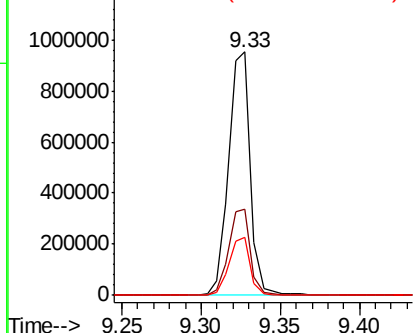
#45
2-Fluorobiphenyl
Concen: 66.526 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.8	19.7	29.5

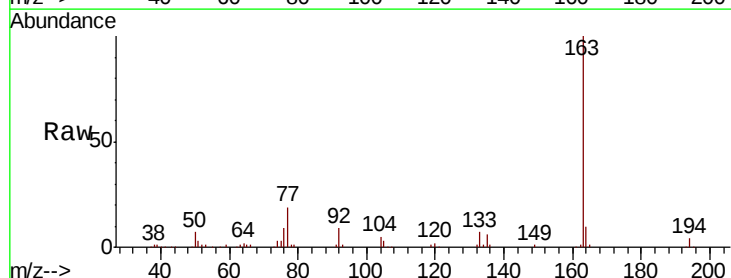


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

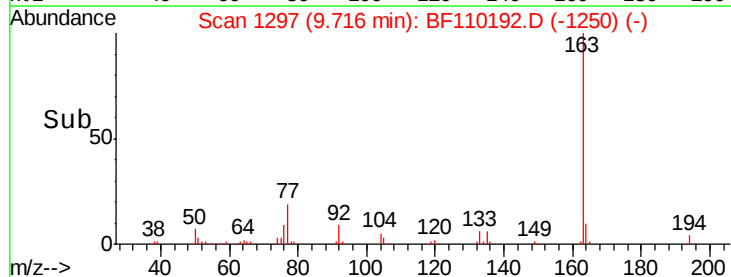
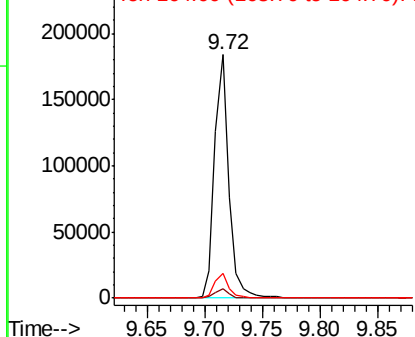


#50
Dimethylphthalate
Concen: 9.943 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.2	8.1	12.1



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

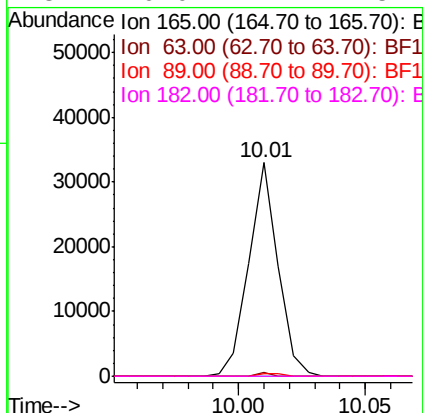
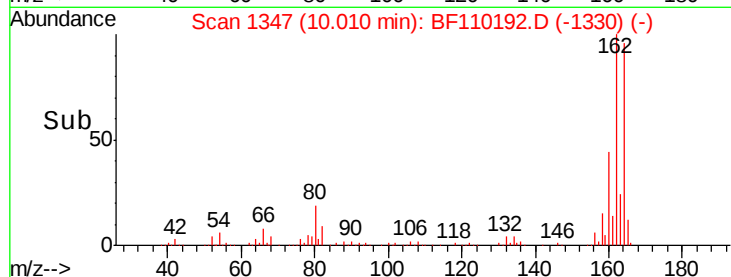
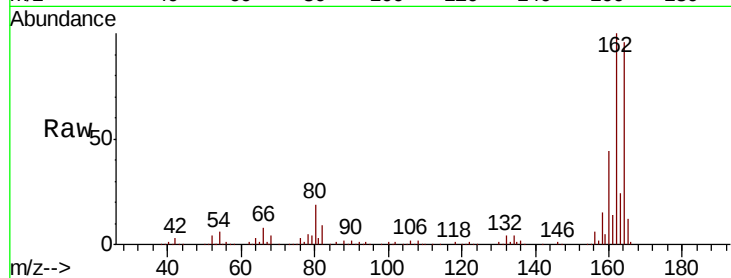




#57
 2,4-Dinitrotoluene
 Concen: 6.119 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

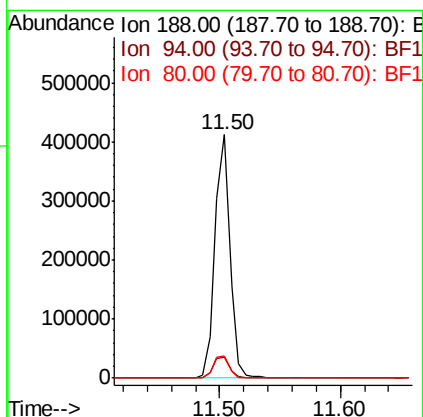
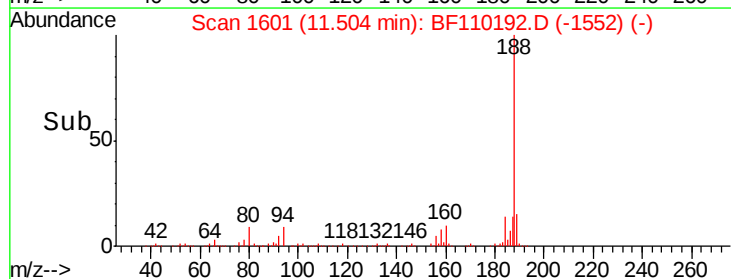
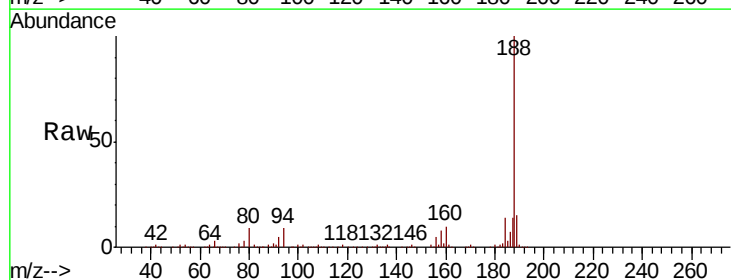
Instrument :
 BNA_F
 ClientSampleId :

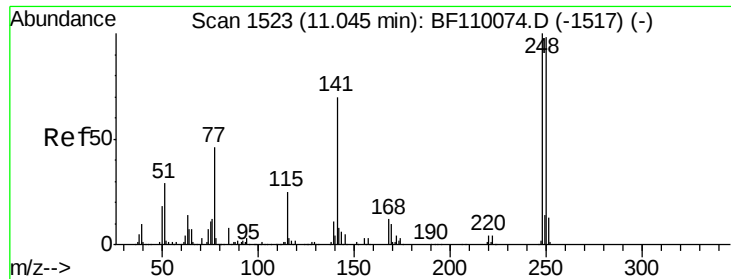
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.3	7.9	11.9

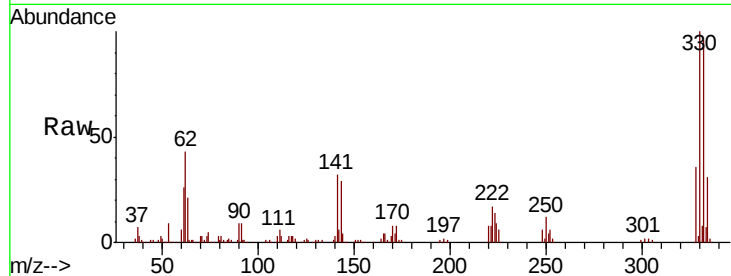




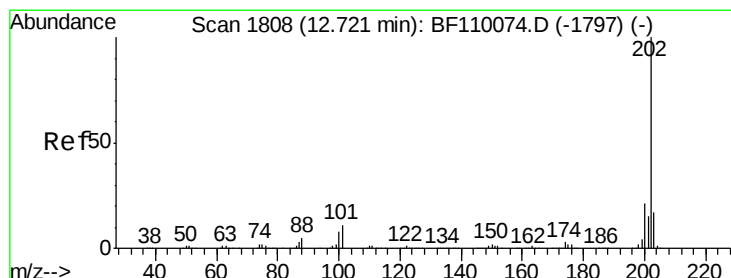
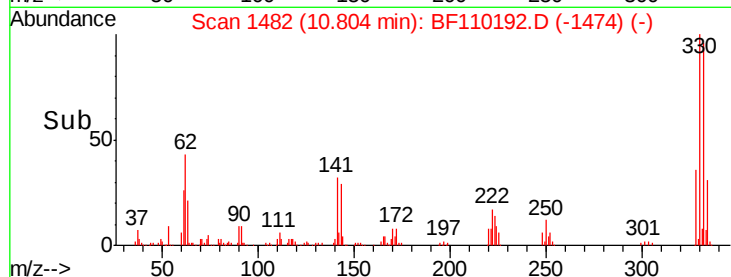
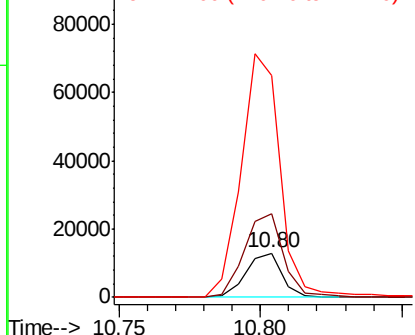
#67
 4-Bromophenyl-phenylether
 Concen: 3.035 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11492
 Ion Ratio Lower Upper
 248 100
 250 188.9 79.4 119.2#
 141 503.7 55.9 83.9#

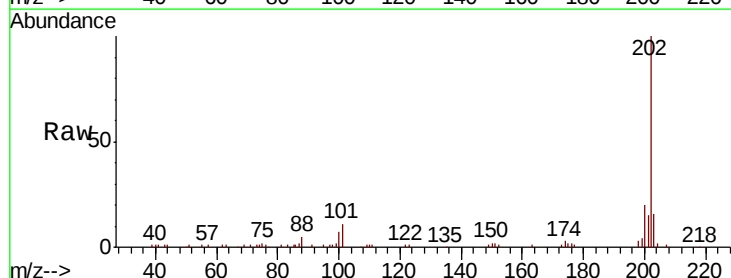


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

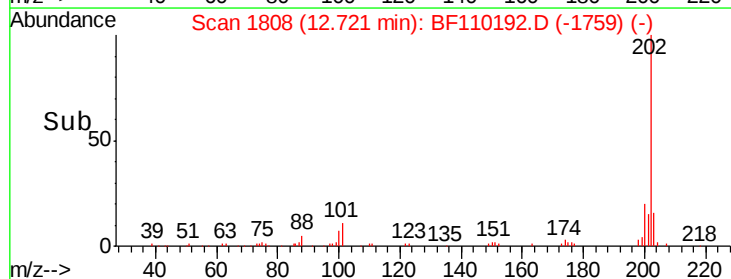
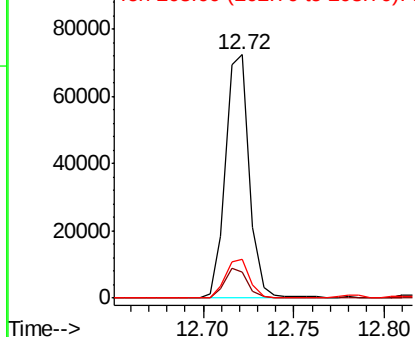


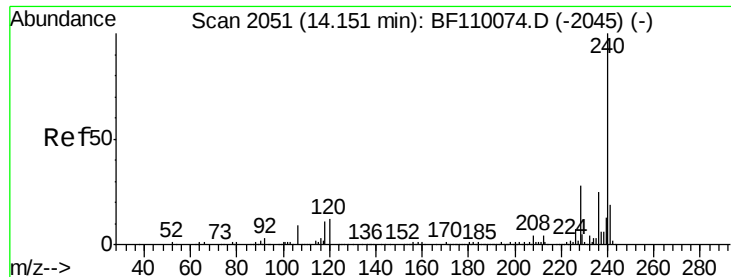
#75
 Fluoranthene
 Concen: 3.572 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

Tgt Ion:202 Resp: 66225
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 16.0 0.0 37.7



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

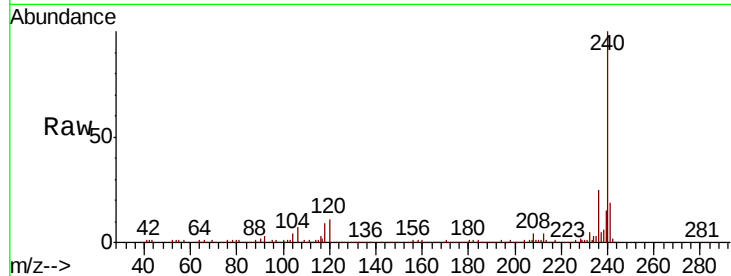




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	25.3	21.2	31.8

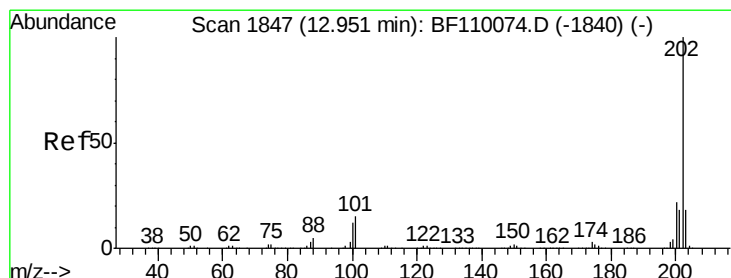
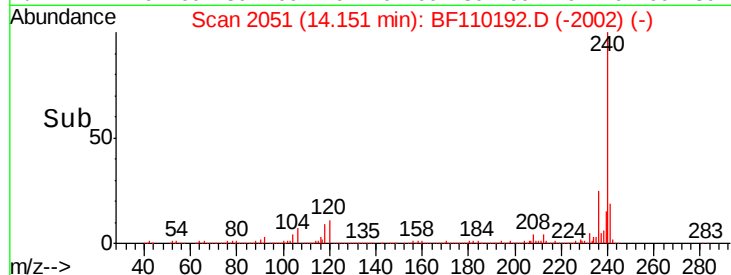
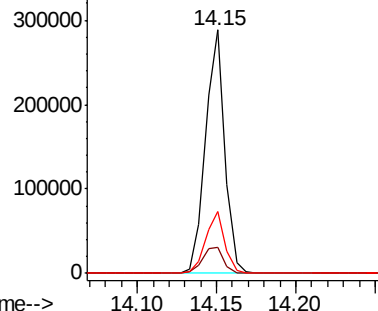


Abundance

Ion 240.00 (239.70 to 240.70): E

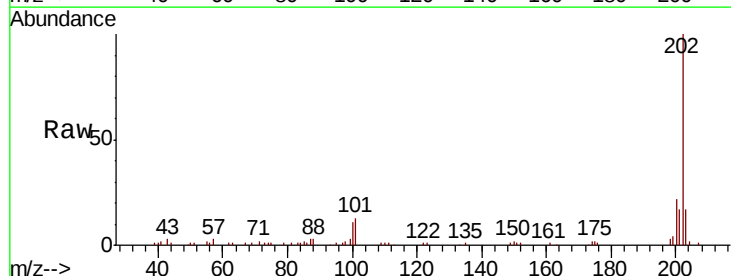
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 3.175 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	17.3	14.2	21.4

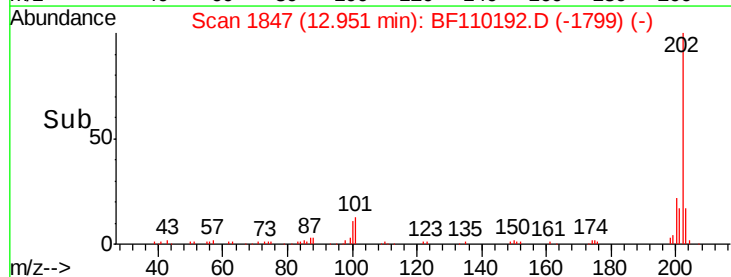
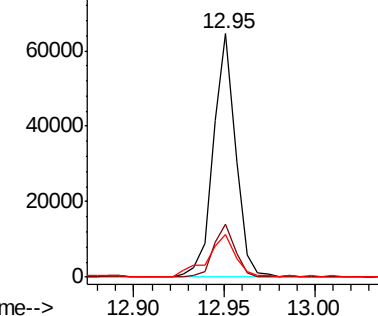


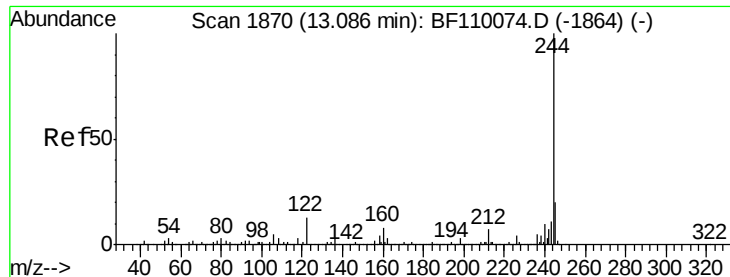
Abundance

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

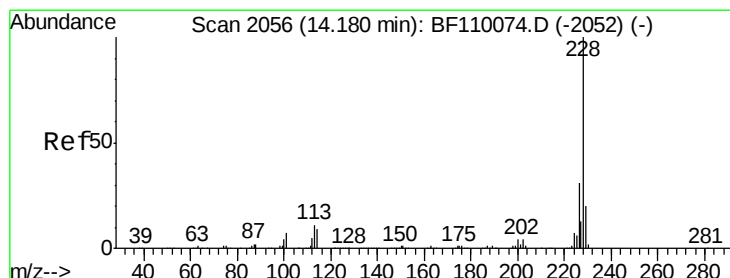
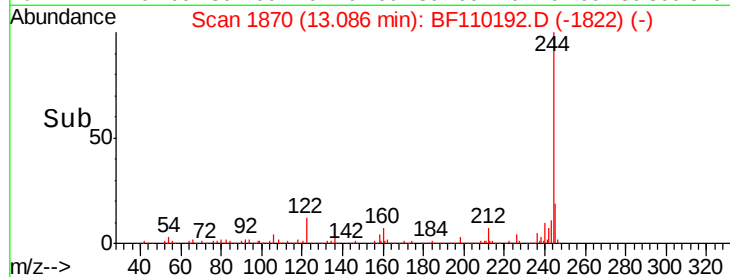
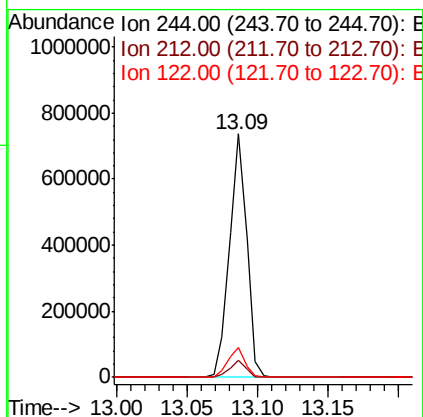
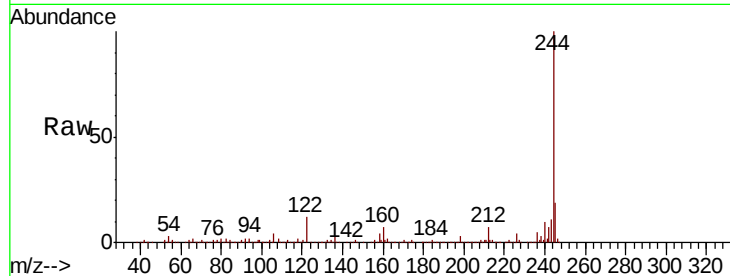




#79
 Terphenyl-d14
 Concen: 53.788 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

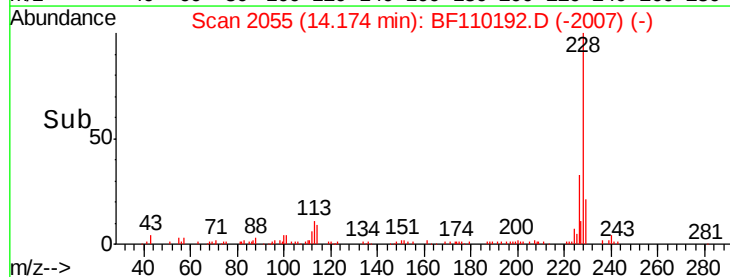
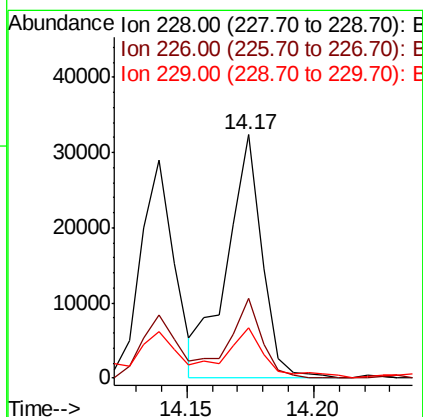
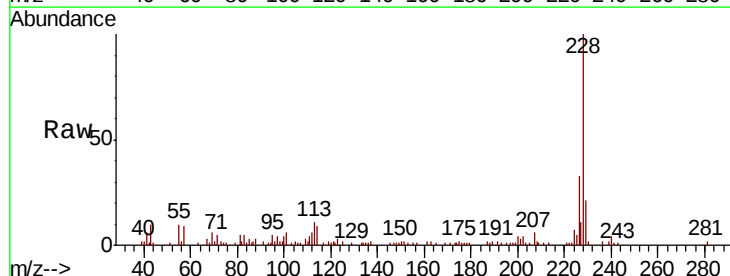
Instrument :
 BNA_F
 ClientSampleId :

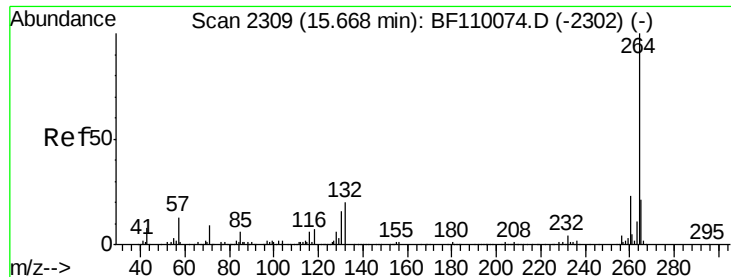
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.2	8.7	13.1



#83
 Chrysene
 Concen: 2.276 ng
 RT: 14.17 min Scan# 2055
 Delta R.T. -0.02 min
 Lab File: BF110192.D
 Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.7	37.1
229	20.8	15.9	23.9

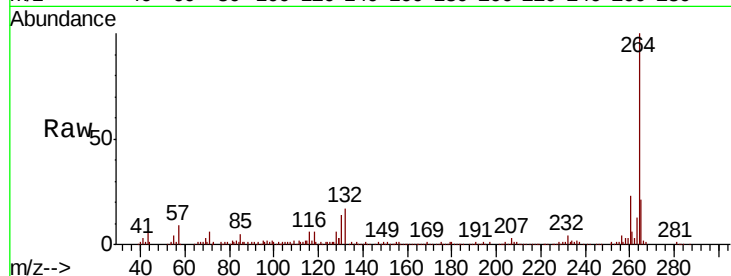




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.5	16.7	25.1

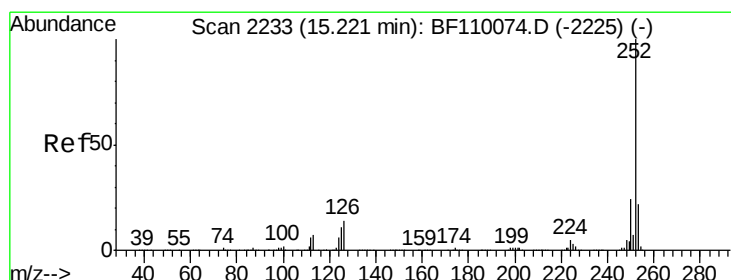
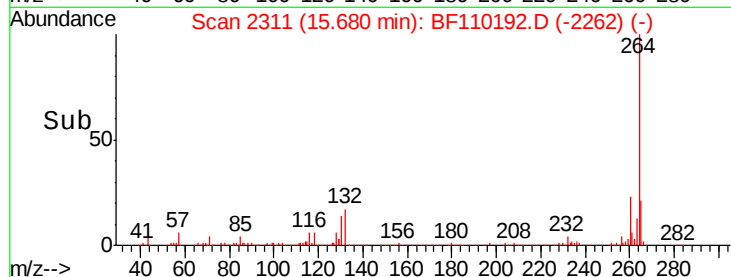
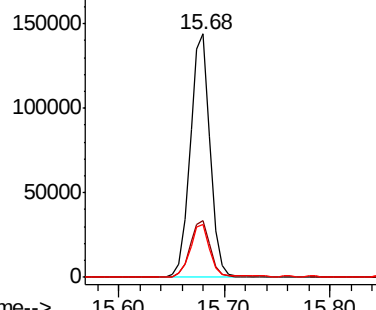


Abundance

Ion 264.00 (263.70 to 264.70): E

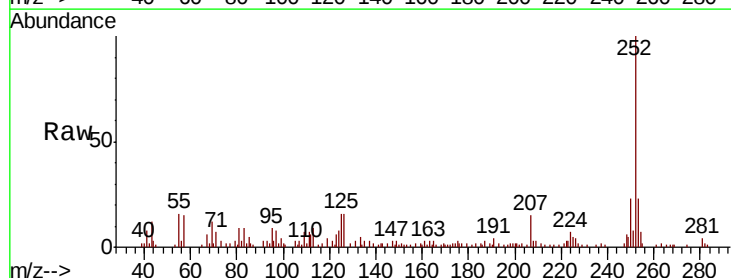
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 4.904 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	15.8	8.2	12.4#

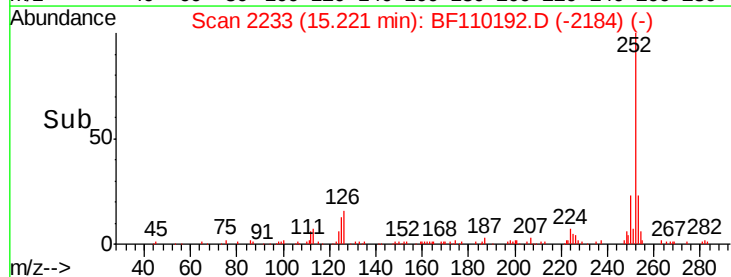
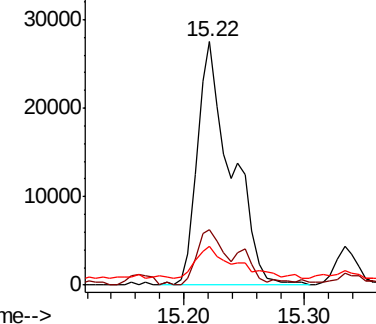


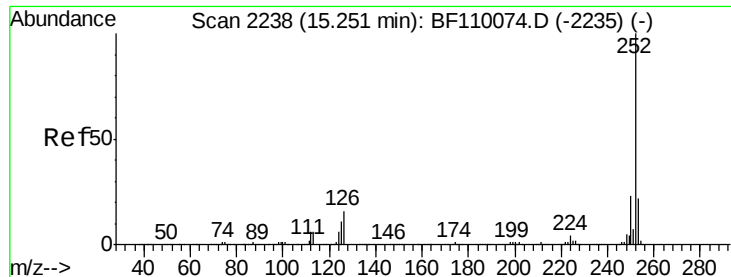
Abundance

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

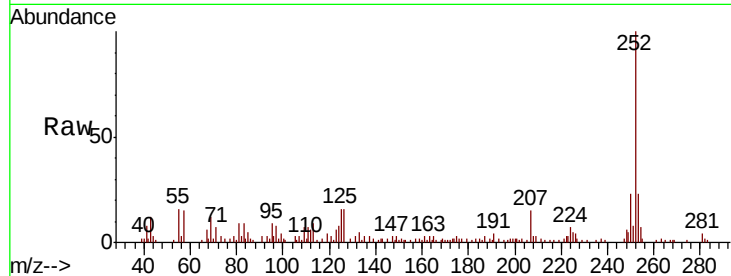




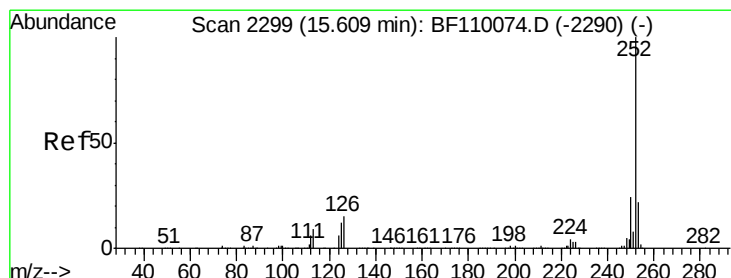
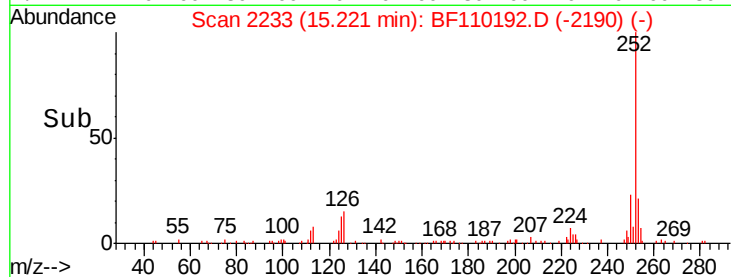
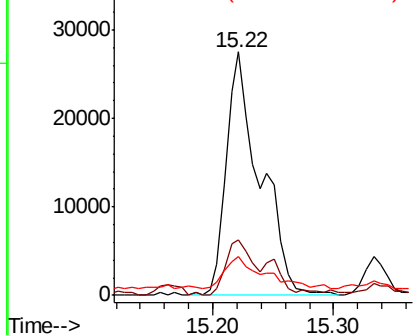
#89
Benzo(k)fluoranthene
Concen: 4.989 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	15.8	7.4	11.0

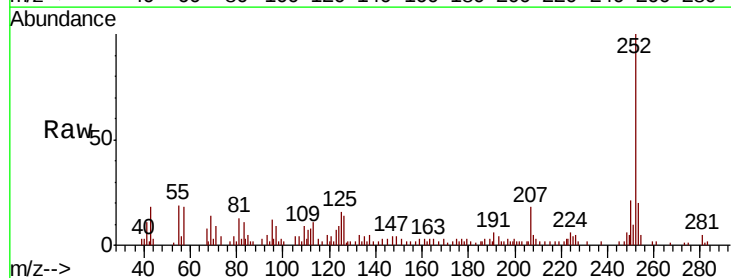


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.539 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110192.D
Acq: 26 Oct 2018 6:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.2	27.4
125	16.2	9.0	13.6



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

