

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043514.D
 Acq On : 5 Nov 2019 19:07
 Operator : JU
 Sample : K5602-05RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:47:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31876	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	117376	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	89272	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	227451	20.00	ng	0.00
76) Chrysene-d12	21.66	240	247194	20.00	ng	0.00
87) Perylene-d12	24.85	264	294702	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	5772	3.32	ng	0.00
7) Phenol-d6	7.20	99	29936	11.96	ng	0.00
23) Nitrobenzene-d5	9.17	82	141312	62.07	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	6162	3.63	ng	0.01
45) 2-Fluorobiphenyl	13.26	172	416778	64.51	ng	0.00
79) Terphenyl-d14	19.99	244	861875	65.41	ng	0.00

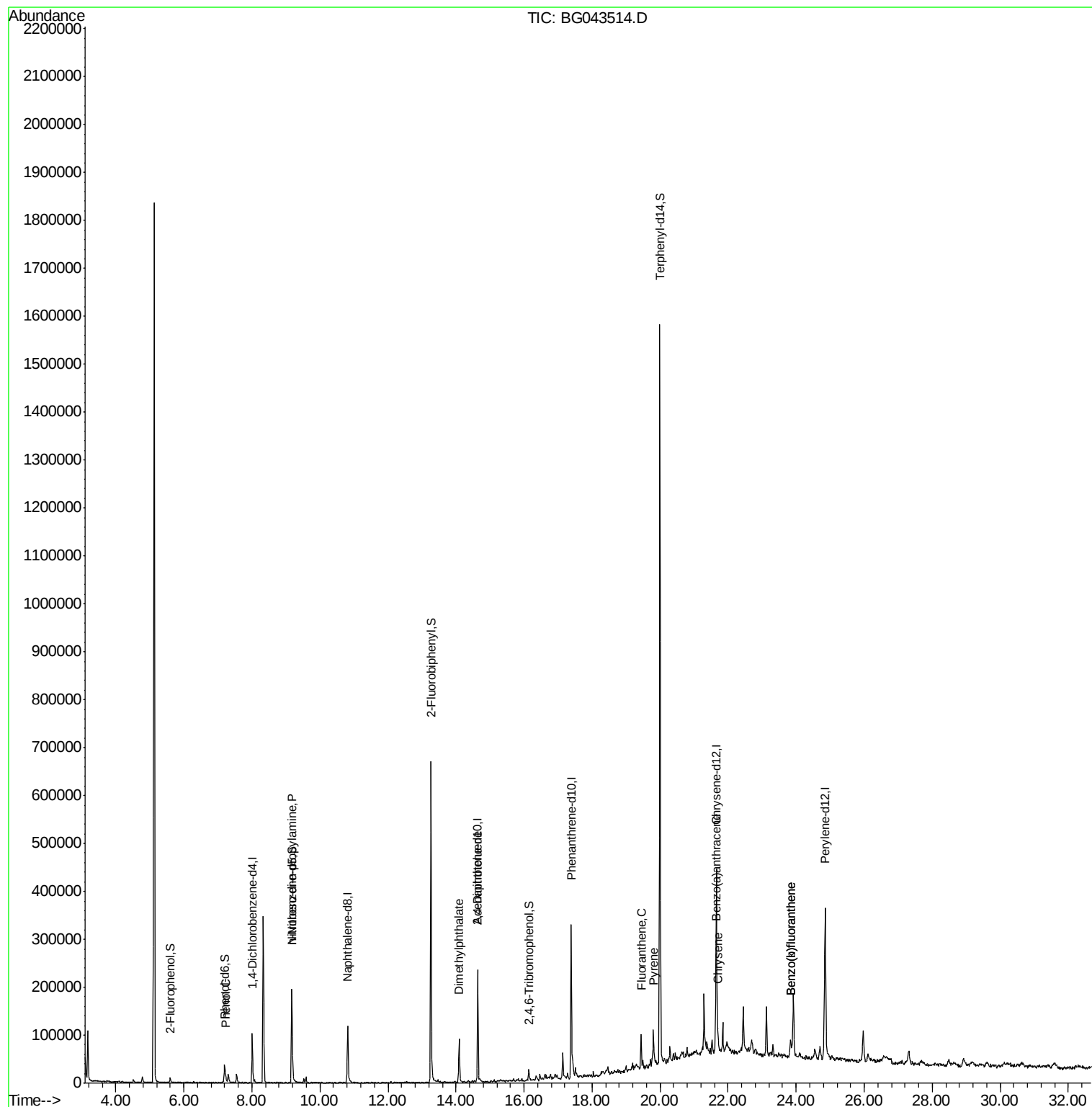
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	6608	2.889	ng	99
19) n-Nitroso-di-n-propylamine	9.17	70	20803	12.863	ng	# 78
50) Dimethylphthalate	14.09	163	71187	10.295	ng	97
57) 2,4-Dinitrotoluene	14.64	165	11855	5.522	ng	# 29
75) Fluoranthene	19.44	202	51055	3.362	ng	99
78) Pyrene	19.80	202	48578	3.175	ng	98
81) Benzo(a)anthracene	21.63	228	31581	2.040	ng	95
83) Chrysene	21.70	228	34814	2.263	ng	95
88) Benzo(b)fluoranthene	23.84	252	39144	2.345	ng	99
89) Benzo(k)fluoranthene	23.84	252	39144	2.330	ng	98

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

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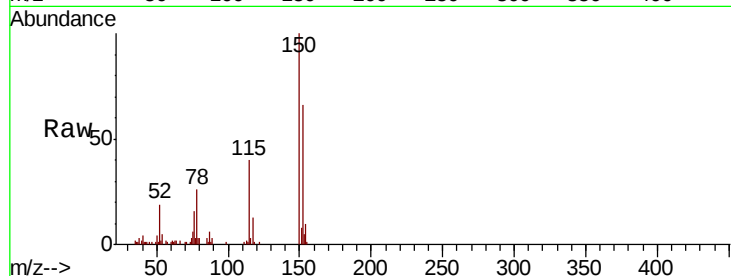


#1

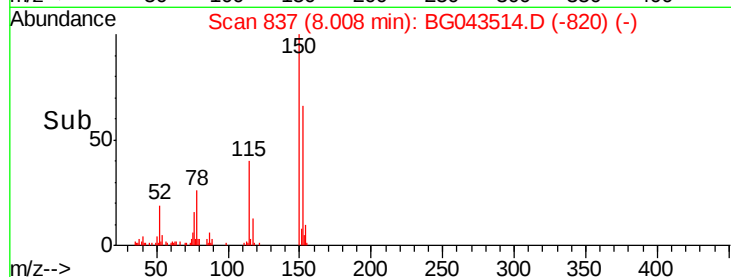
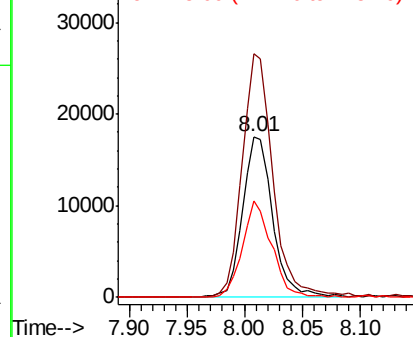
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31876
Ion Ratio Lower Upper
152 100
150 151.3 129.4 194.0
115 60.1 48.8 73.2



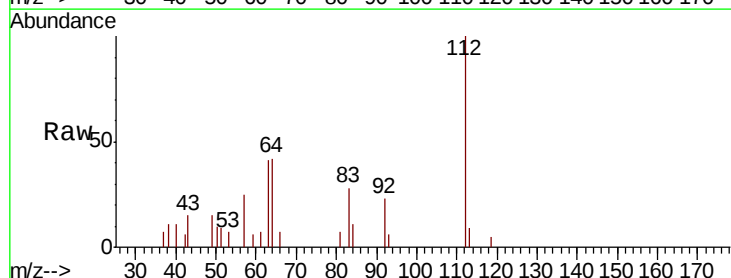
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



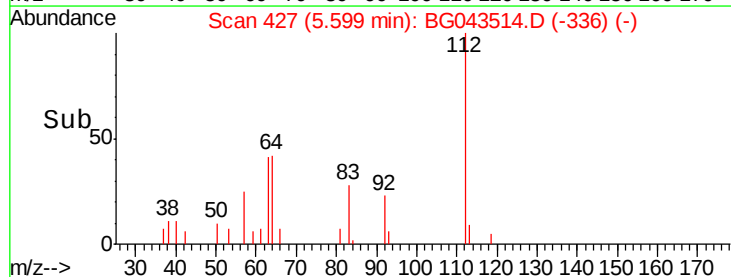
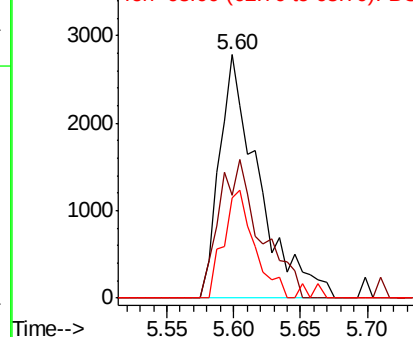
#5

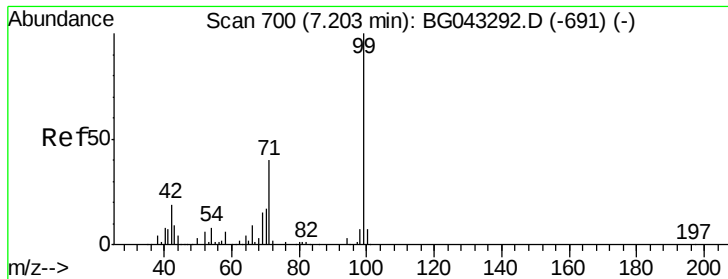
2-Fluorophenol
Concen: 3.318 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Tgt Ion:112 Resp: 5772
Ion Ratio Lower Upper
112 100
64 42.2 50.0 75.0#
63 40.9 26.6 40.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 11.961 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Instrument :

BNA_G

ClientSampleId :

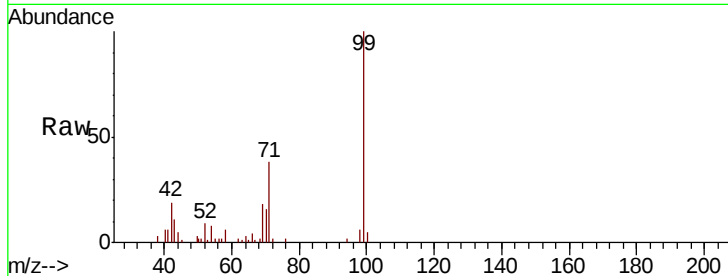
Tot Ion: 99 Resp: 29936

Ion Ratio Lower Upper

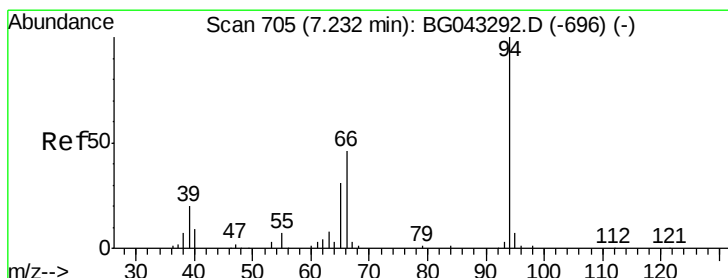
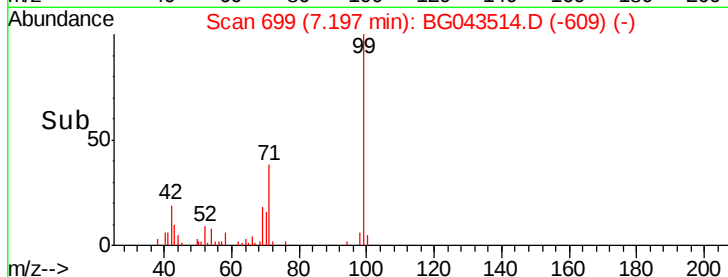
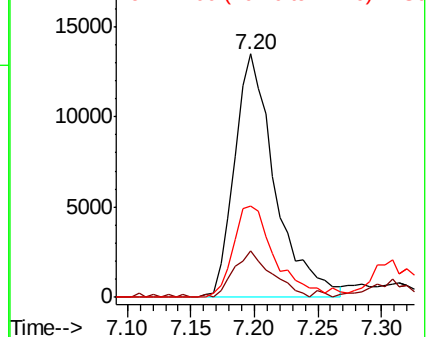
99 100

42 19.1 14.6 21.8

71 37.7 32.5 48.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.889 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

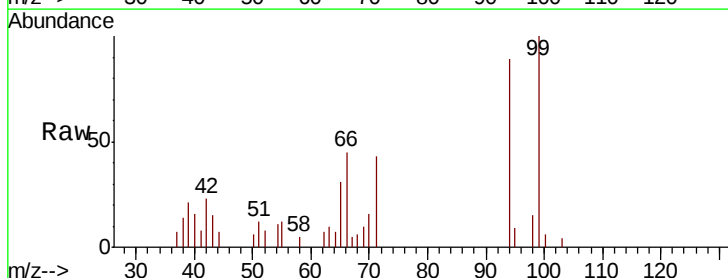
Tgt Ion: 94 Resp: 6608

Ion Ratio Lower Upper

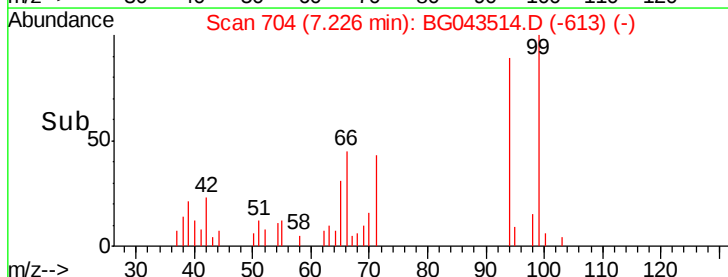
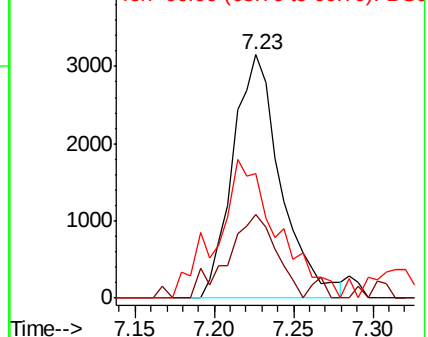
94 100

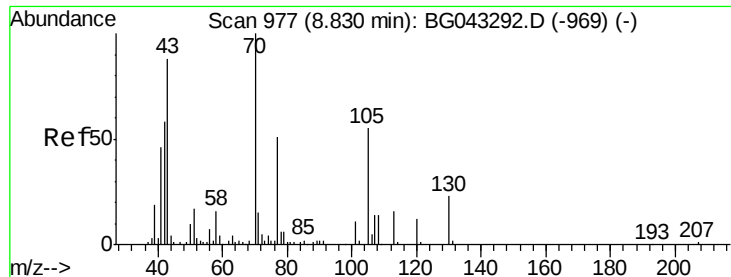
65 34.4 12.6 52.6

66 50.9 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

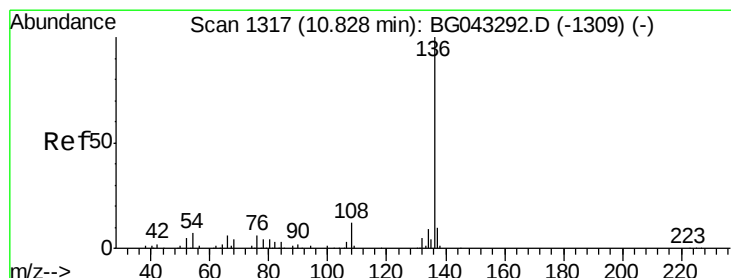
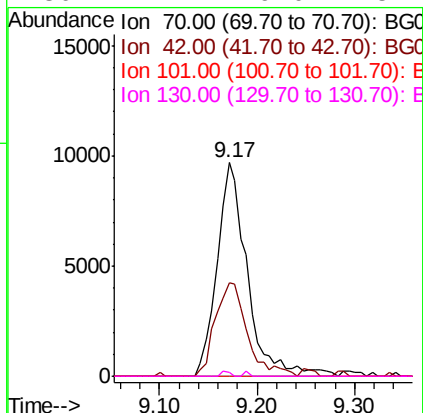
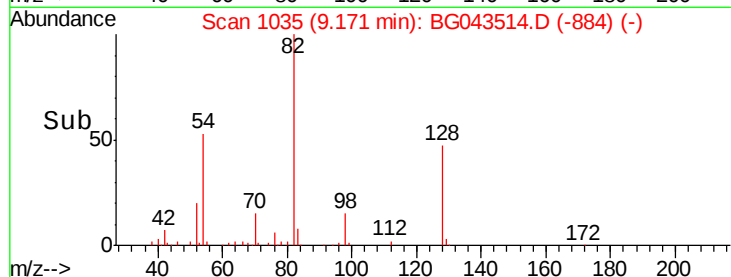
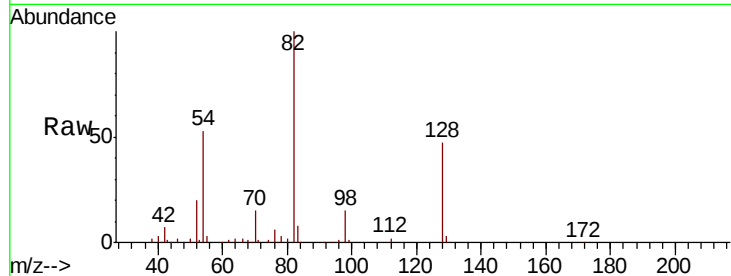




#19
n-Nitroso-di-n-propylamine
Concen: 12.863 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

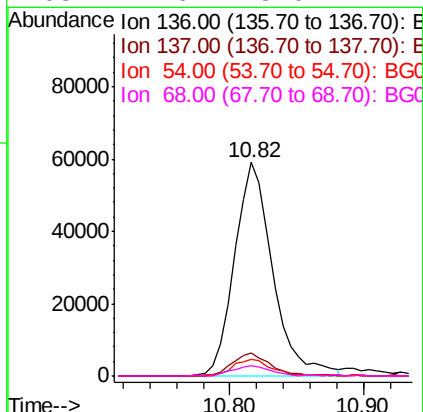
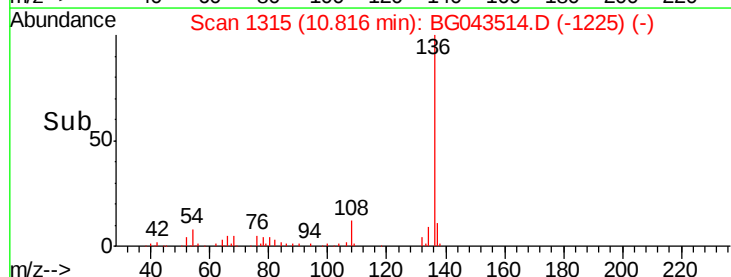
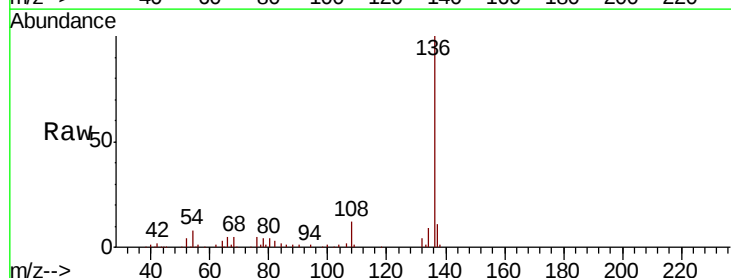
Instrument :
BNA_G
ClientSampled :

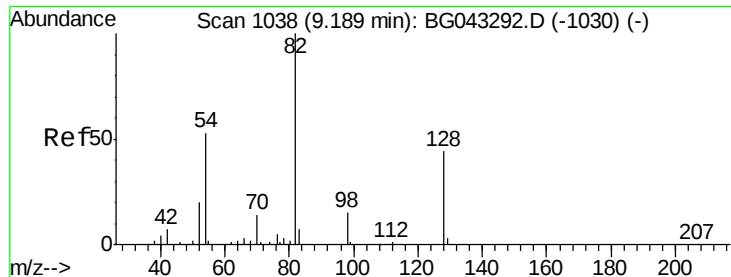
Tot Ion: 70 Resp: 20803
Ion Ratio Lower Upper
70 100
42 43.5 41.4 62.2
101 0.0 7.9 11.9#
130 2.1 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Tgt Ion: 136 Resp: 117376
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 8.1 5.4 8.2
68 4.6 3.0 4.4#

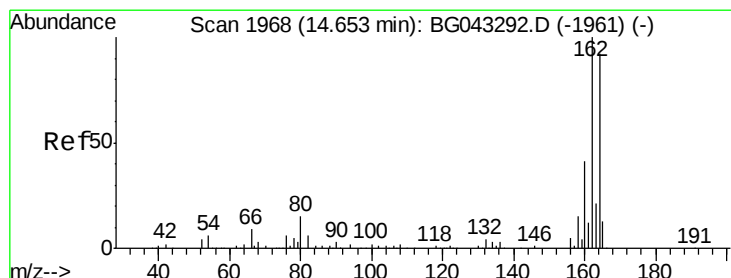
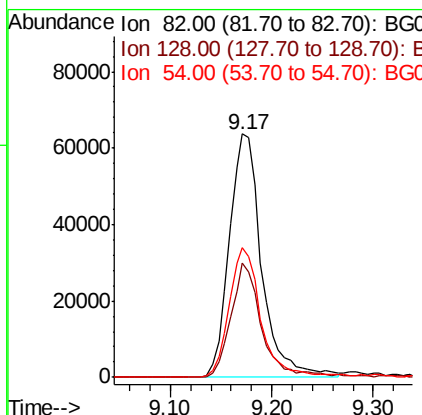
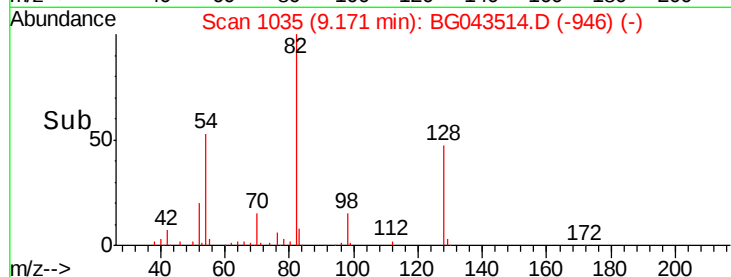
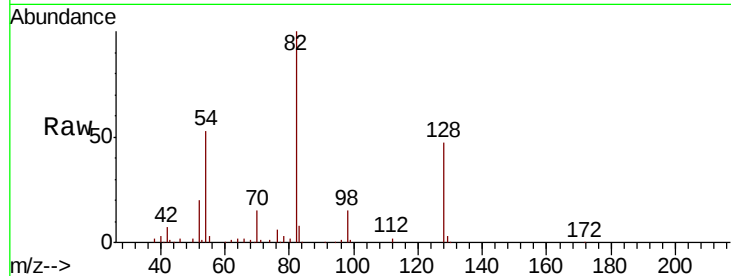




#23
Nitrobenzene-d5
Concen: 62.068 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

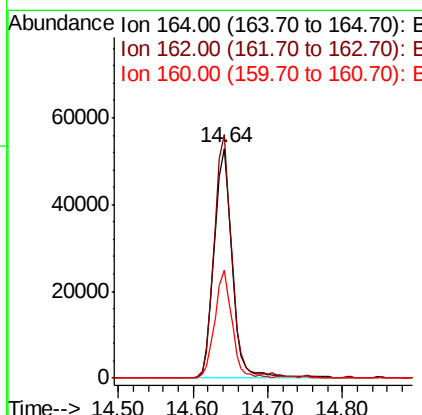
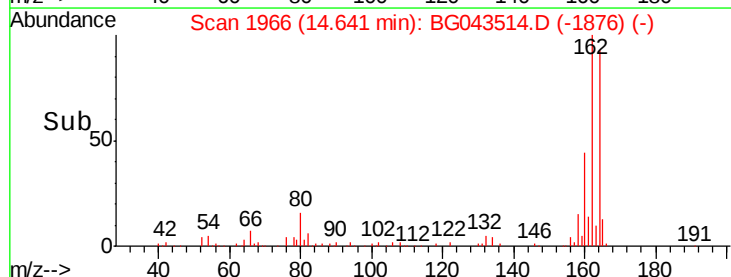
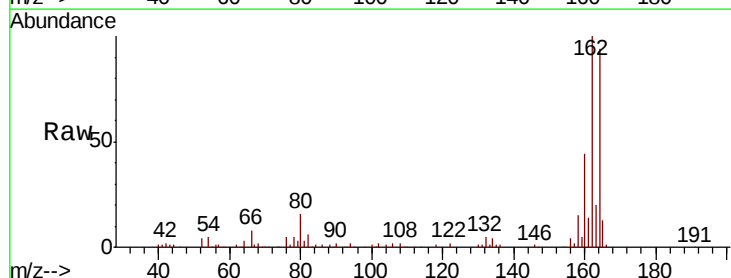
Instrument :
BNA_G
ClientSampleId :

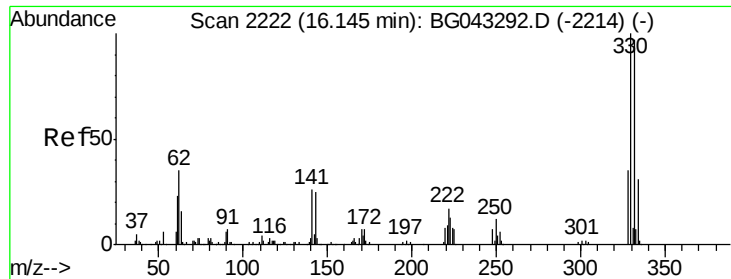
Tot Ion: 82 Resp: 141312
Ion Ratio Lower Upper
82 100
128 47.0 35.0 52.6
54 53.5 40.2 60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Tgt Ion:164 Resp: 89272
Ion Ratio Lower Upper
164 100
162 105.8 83.5 125.3
160 46.7 36.5 54.7

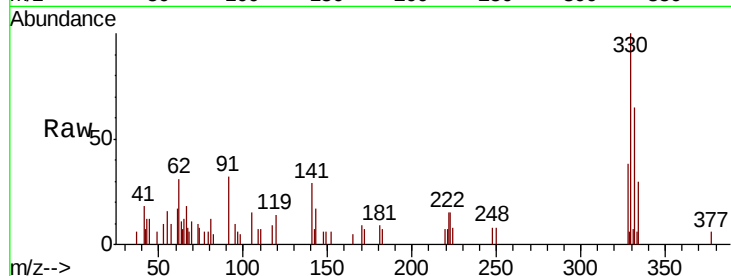




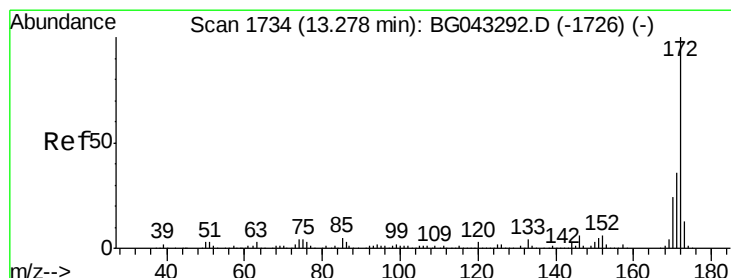
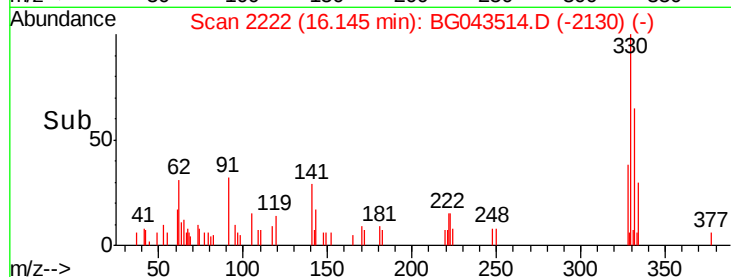
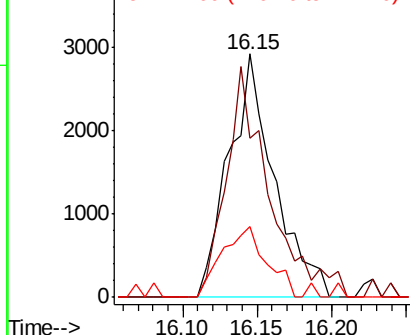
#42
 2,4,6-Tribromophenol
 Concen: 3.627 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BG043514.D
 Acq: 5 Nov 2019 19:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 6162
 Ion Ratio Lower Upper
 330 100
 332 90.4 77.4 116.0
 141 28.8 22.8 34.2

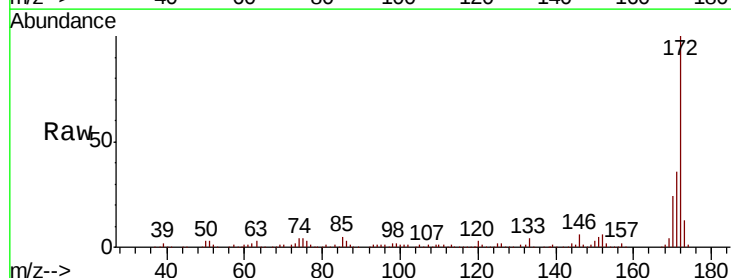


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

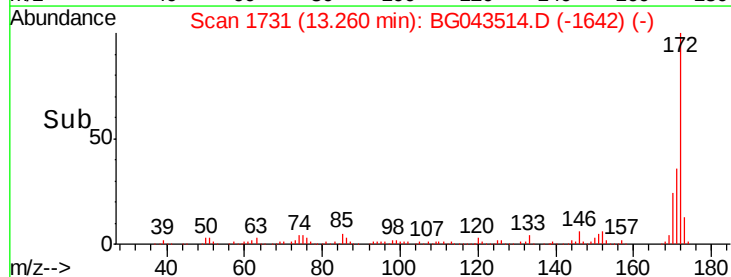
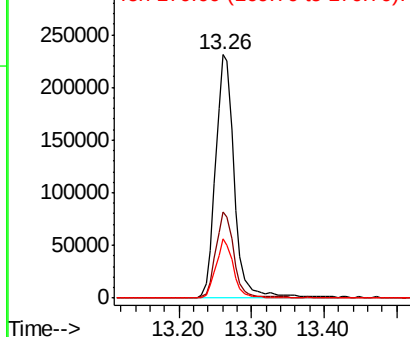


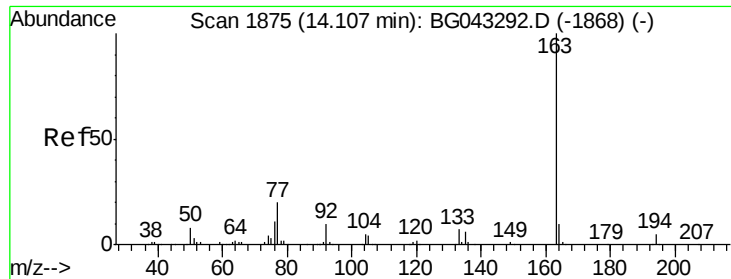
#45
 2-Fluorobiphenyl
 Concen: 64.511 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043514.D
 Acq: 5 Nov 2019 19:07

Tgt Ion:172 Resp: 416778
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 24.4 18.5 27.7



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: 10.295 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Instrument :

BNA_G

ClientSampled :

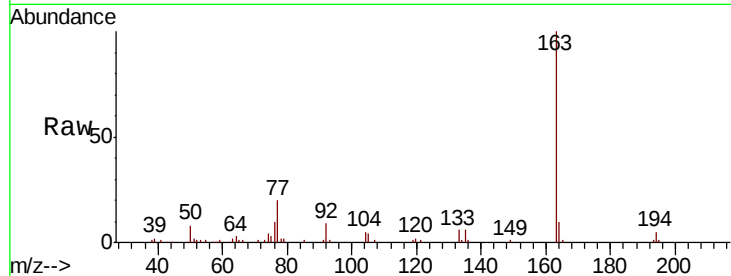
Tot Ion:163 Resp: 71187

Ion Ratio Lower Upper

163 100

194 5.3 3.8 5.6

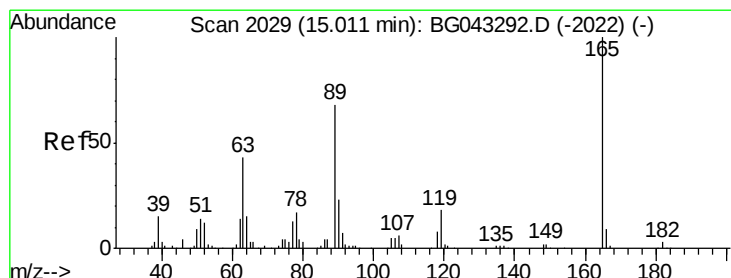
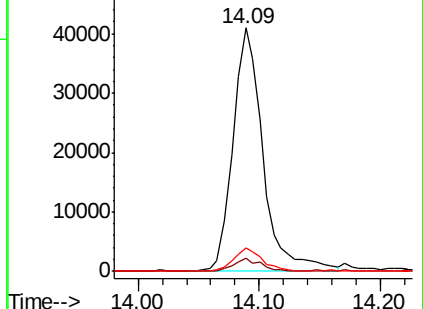
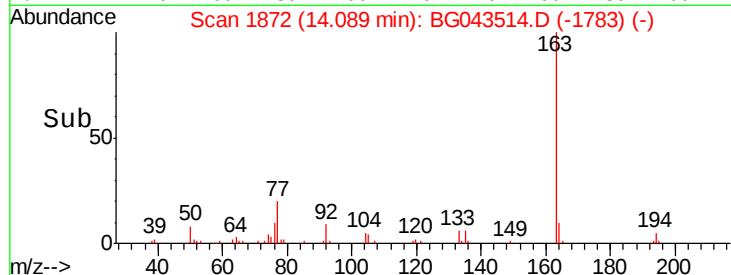
164 9.5 8.9 13.3



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: 5.522 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.36 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Tgt Ion:165 Resp: 11855

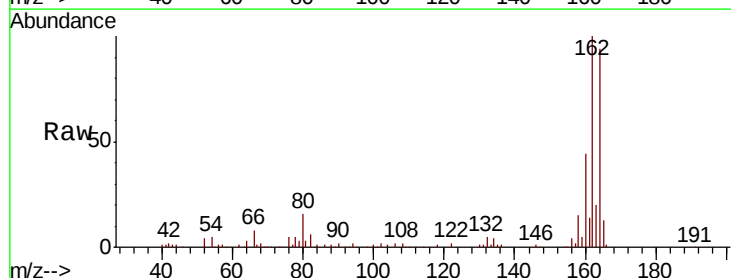
Ion Ratio Lower Upper

165 100

63 2.1 33.2 49.8#

89 3.1 52.2 78.4#

182 0.0 2.0 3.0#

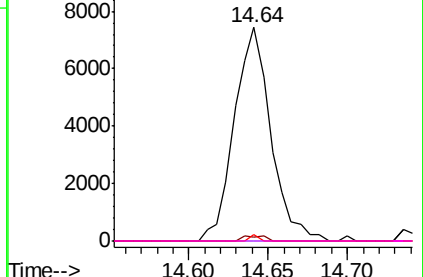
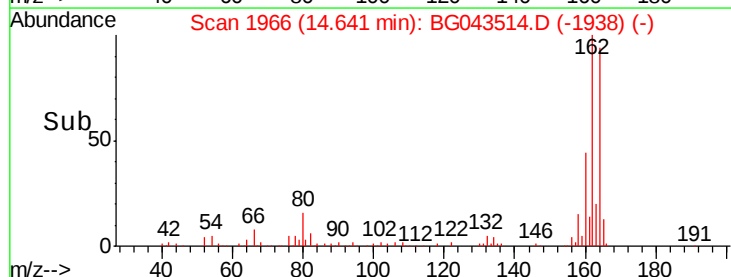


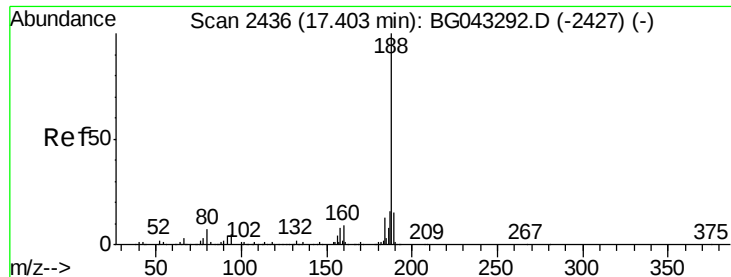
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Instrument :

BNA_G

ClientSampleId :

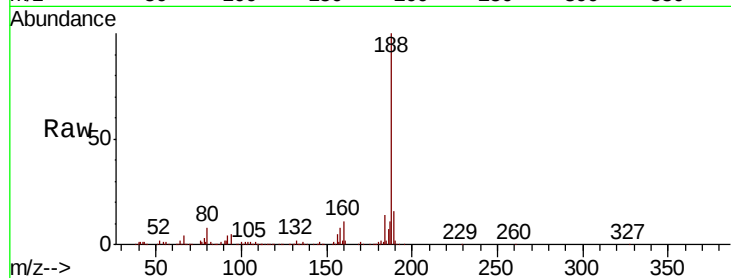
Tot Ion:188 Resp: 227451

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.4

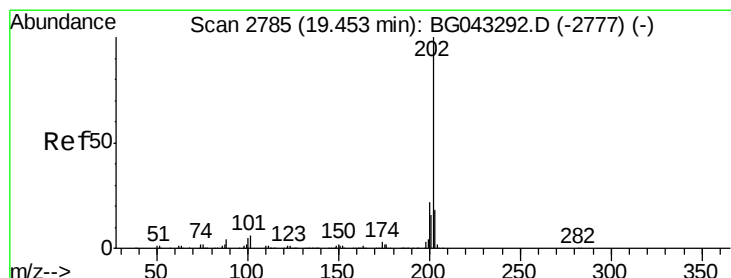
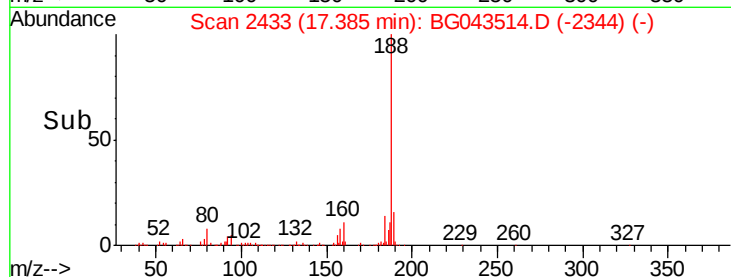
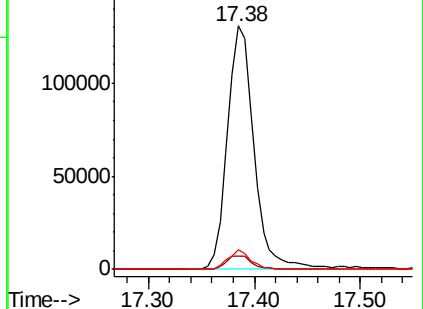
80 8.0 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Fluoranthene

Concen: 3.362 ng

RT: 19.44 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

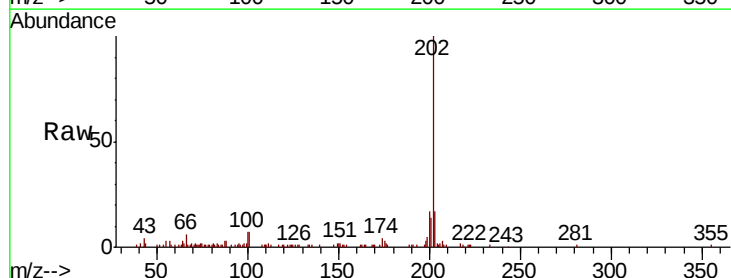
Tgt Ion:202 Resp: 51055

Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.3

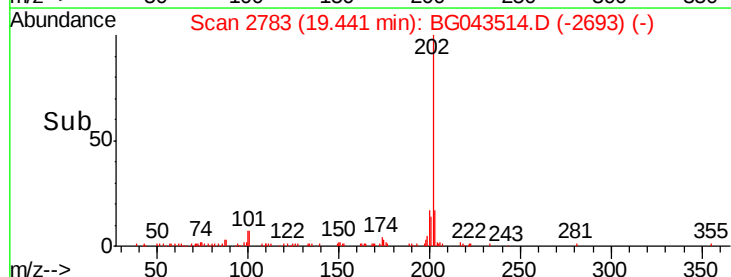
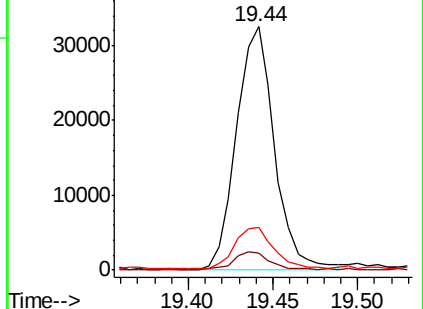
203 17.4 0.0 37.9

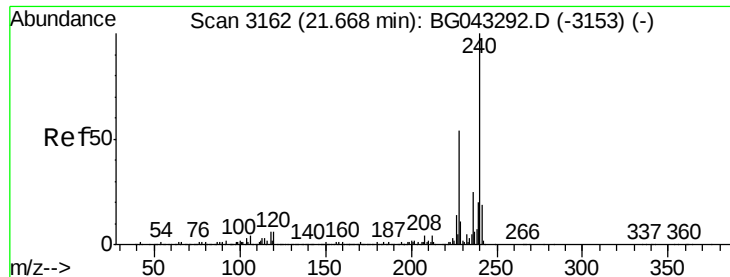


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.66 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Instrument :

BNA_G

ClientSampleId :

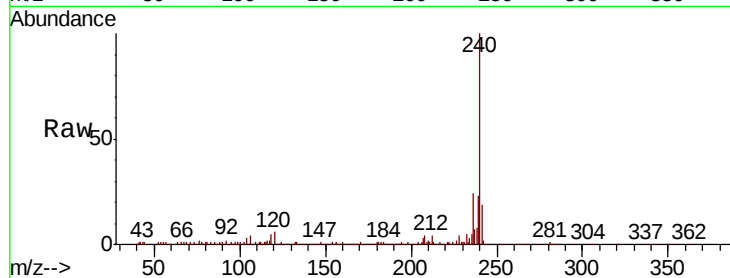
Tot Ion:240 Resp: 247194

Ion Ratio Lower Upper

240 100

120 6.1 4.6 6.8

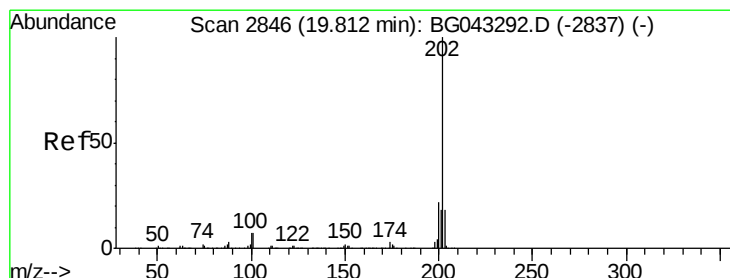
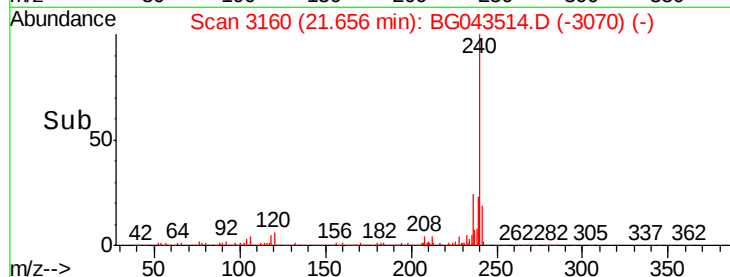
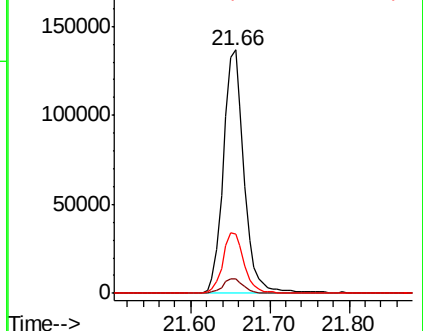
236 24.3 19.8 29.8



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: 19.80 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

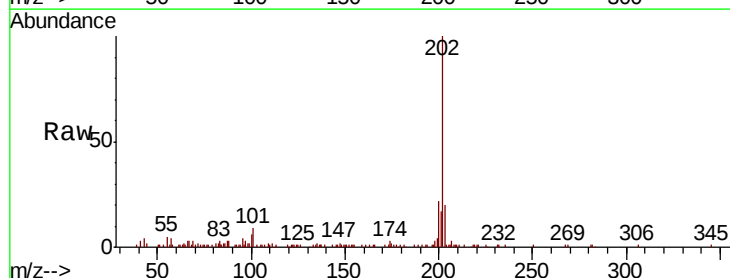
Tgt Ion:202 Resp: 48578

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.4

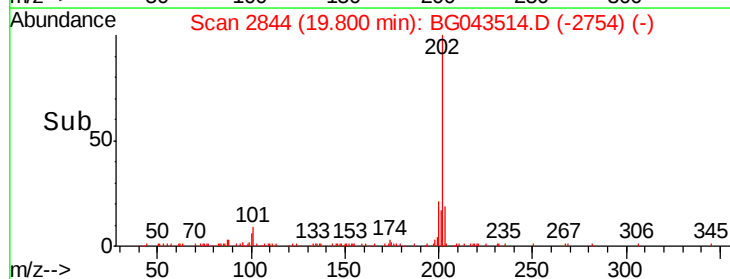
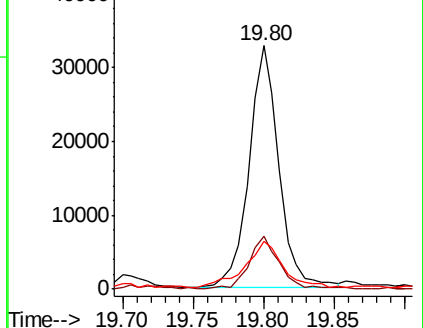
203 19.6 14.7 22.1

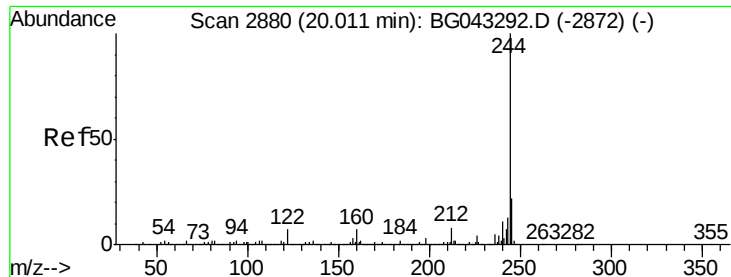


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 65.411 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

Instrument :

BNA_G

ClientSampleId :

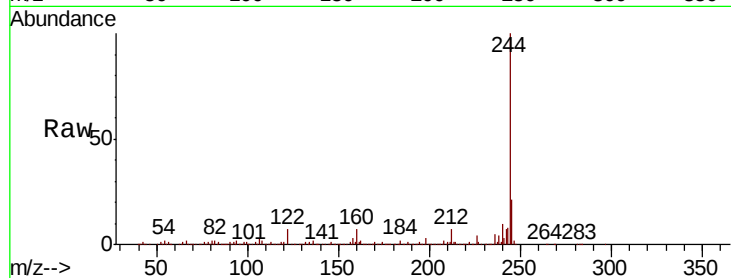
Tot Ion:244 Resp: 861875

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

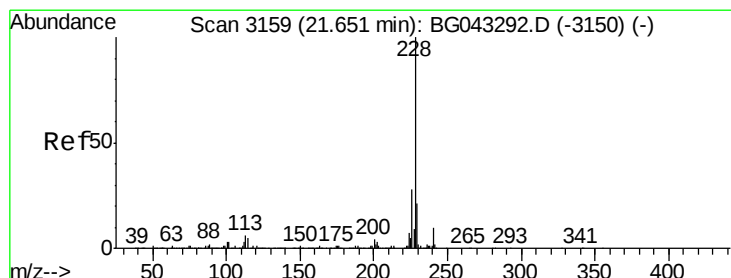
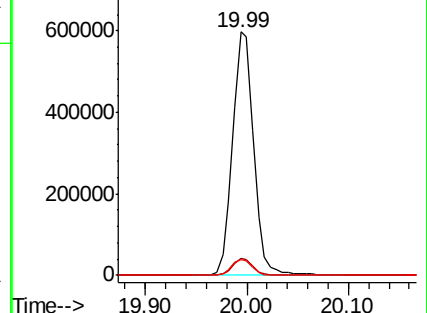
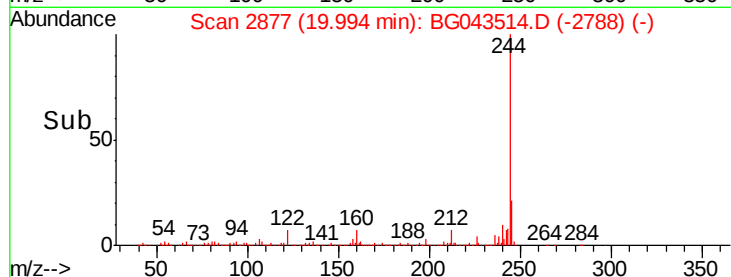
122 6.7 5.4 8.2



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: 2.040 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043514.D

Acq: 5 Nov 2019 19:07

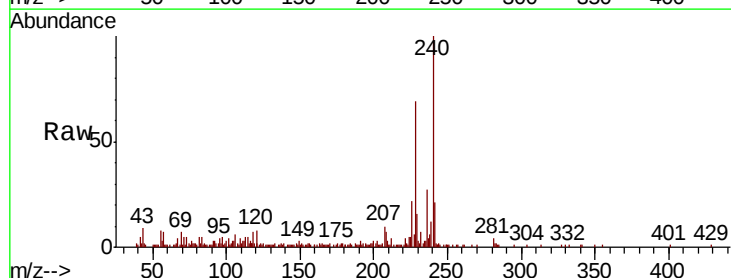
Tgt Ion:228 Resp: 31581

Ion Ratio Lower Upper

228 100

226 31.3 22.2 33.2

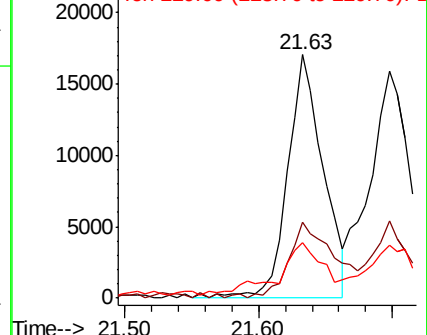
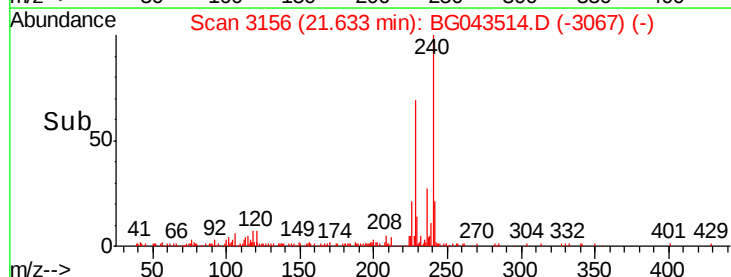
229 22.8 17.0 25.4

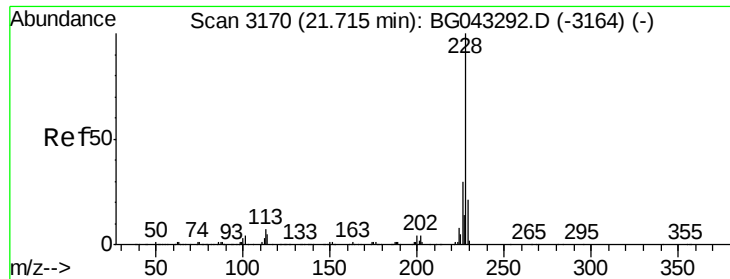


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

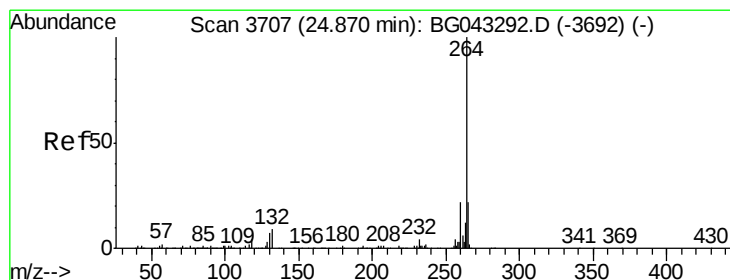
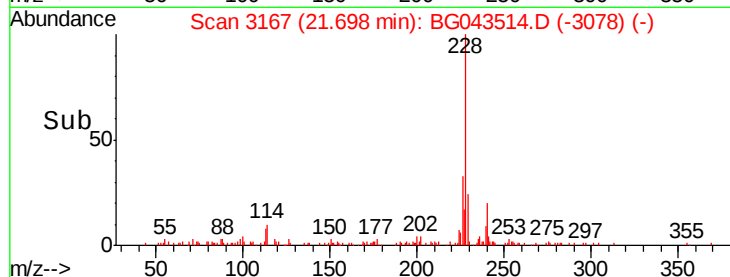
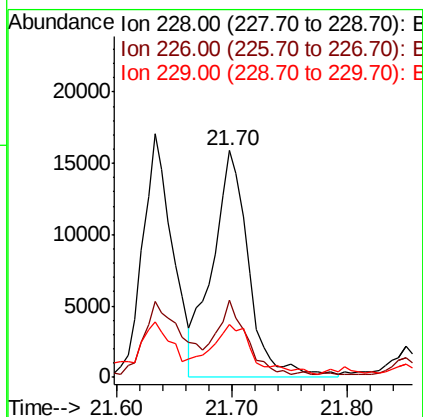
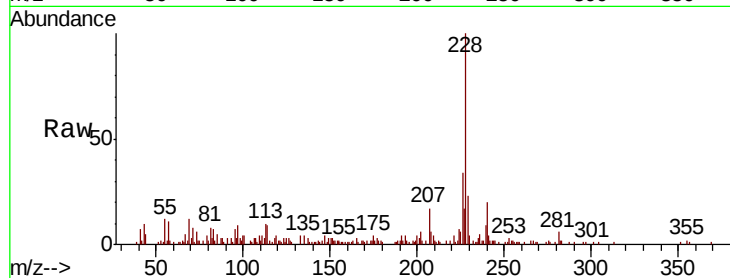




#83
Chrysene
Concen: 2.263 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

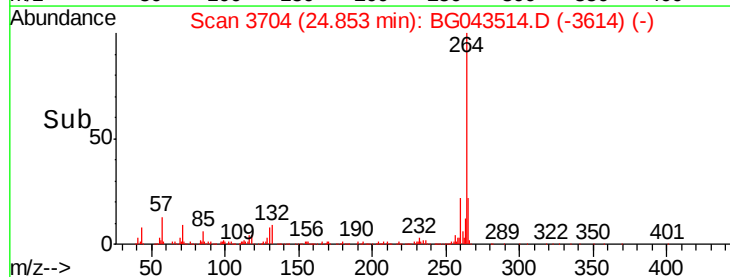
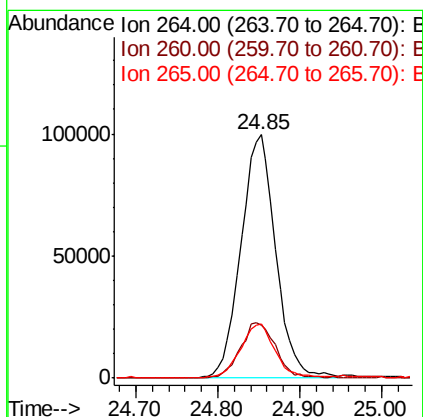
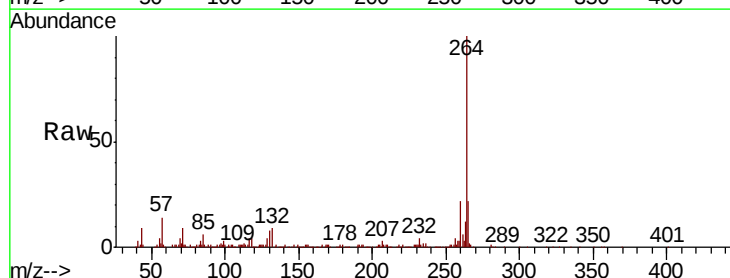
Instrument :
BNA_G
ClientSampleId :

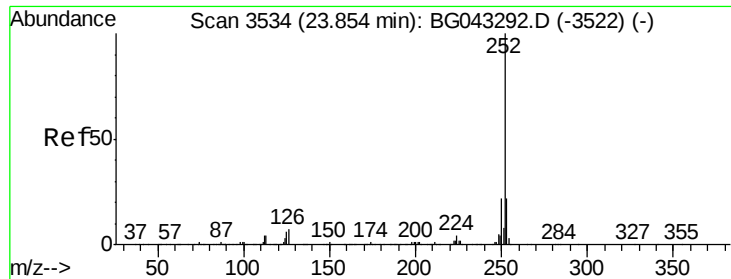
Tot Ion:228 Resp: 34814
Ion Ratio Lower Upper
228 100
226 33.9 25.1 37.7
229 23.5 17.0 25.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Tgt Ion:264 Resp: 294702
Ion Ratio Lower Upper
264 100
260 21.8 17.5 26.3
265 22.3 17.4 26.0

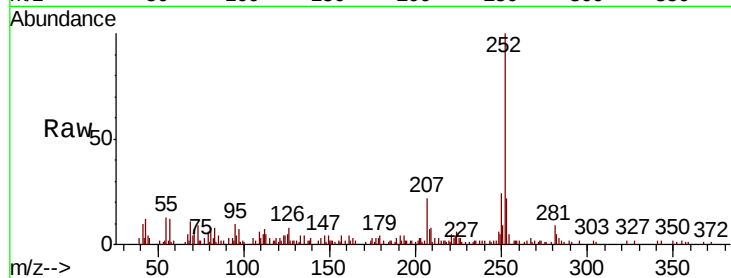




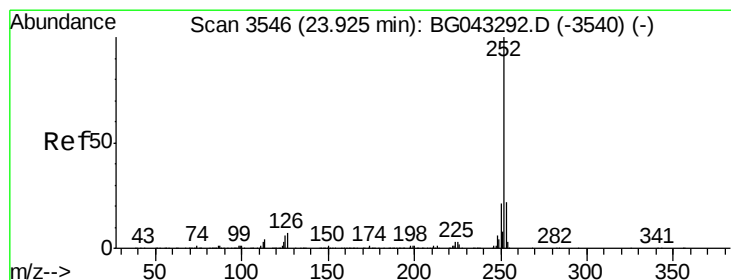
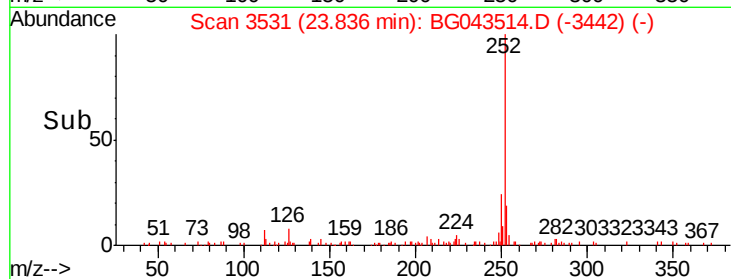
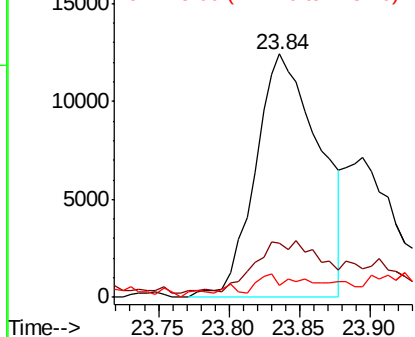
#88
Benzo(b)fluoranthene
Concen: 2.345 ng
RT: 23.84 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	5.0	4.5	6.7

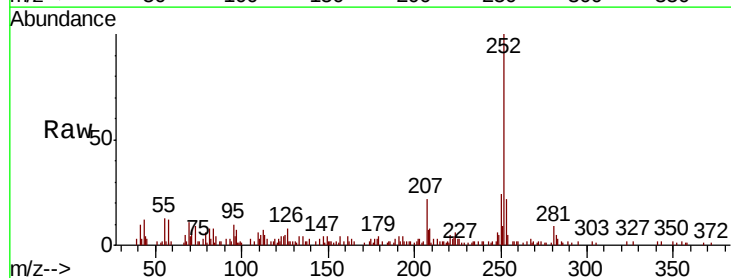


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.330 ng
RT: 23.84 min Scan# 3531
Delta R.T. -0.07 min
Lab File: BG043514.D
Acq: 5 Nov 2019 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	5.0	4.6	6.8



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

