

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093871.D
 Acq On : 23 Mar 2017 9:30
 Operator : SJ/MA
 Sample : I2350-16
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11931-VNJ-226-213-COMP

Quant Time: Mar 23 16:56:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	201706	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	795972	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	348112	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	566236	20.00	ng	0.00
75) Chrysene-d12	14.71	240	357364	20.00	ng	0.00
86) Perylene-d12	16.34	264	311188	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.52	112	1307681	109.50	ng	0.01
7) Phenol-d6	5.57	99	1659543	112.33	ng	0.00
23) Nitrobenzene-d5	6.63	82	1021593	73.24	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	306254	111.33	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1606276	70.38	ng	0.00
78) Terphenyl-d14	13.43	244	1025251	64.31	ng	0.00

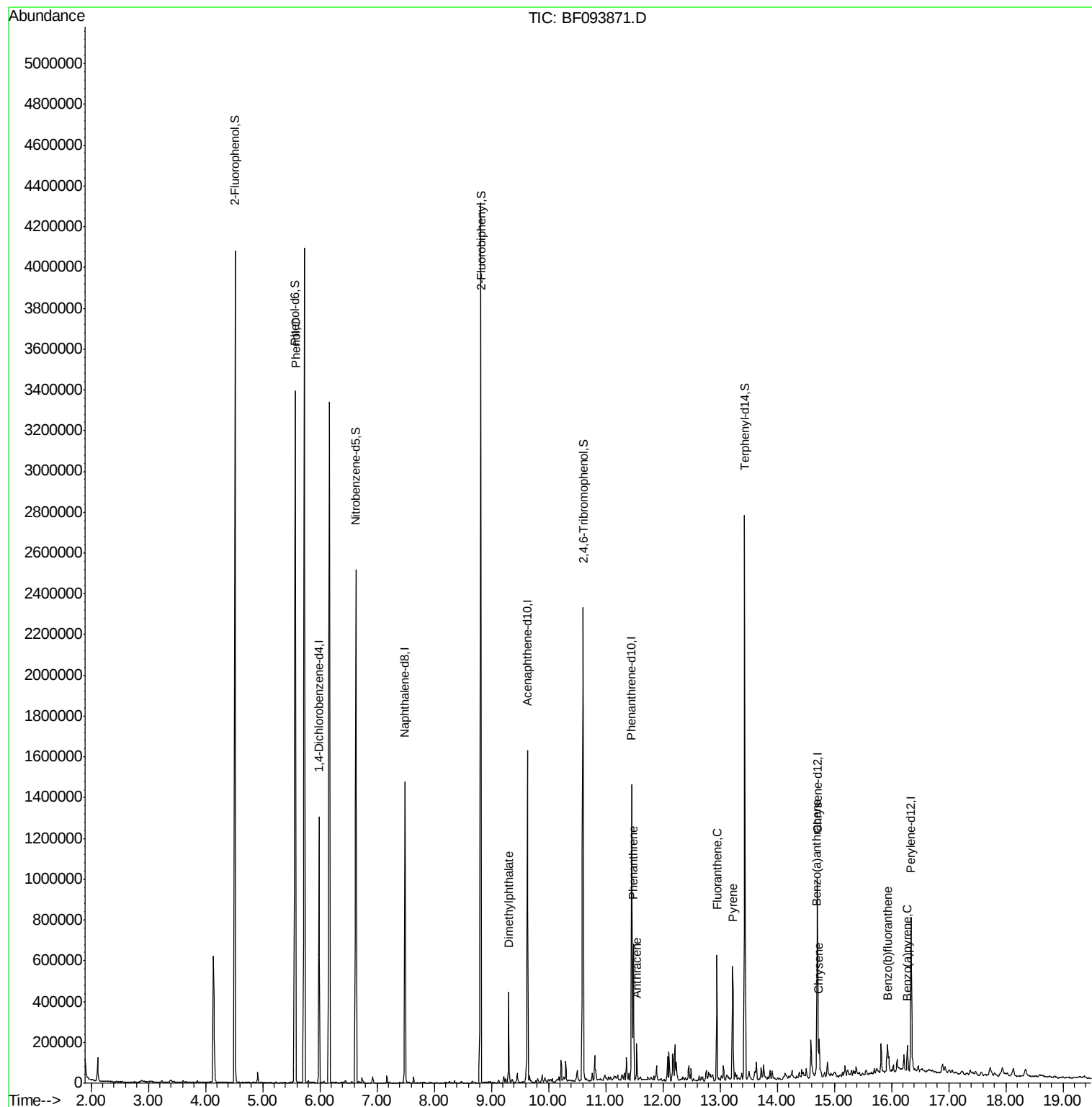
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.58	94	56981	3.39	ng	92
49) Dimethylphthalate	9.30	163	179625	7.26	ng	100
70) Phenanthrene	11.49	178	264181	8.39	ng	98
71) Anthracene	11.55	178	69819	2.15	ng	97
74) Fluoranthene	12.94	202	253200	7.85	ng	97
77) Pyrene	13.22	202	228714	8.82	ng	99
80) Benzo(a)anthracene	14.69	228	80873m	3.88	ng	
82) Chrysene	14.74	228	73933m	3.82	ng	
87) Benzo(b)fluoranthene	15.93	252	69858m	3.66	ng	
89) Benzo(a)pyrene	16.28	252	53570	3.05	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF093871.D

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Instrument :

BNA_F

ClientSampleId :

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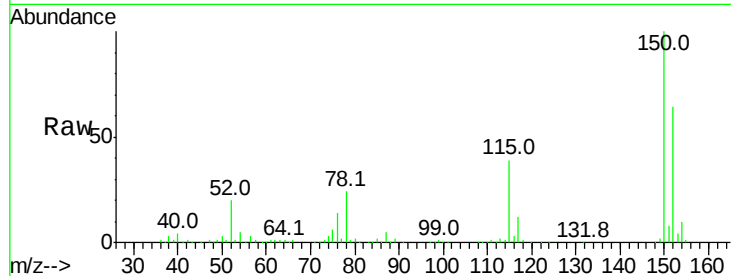
Tot Ion:152 Resp: 201706

Ion Ratio Lower Upper

152 100

150 156.4 126.2 189.2

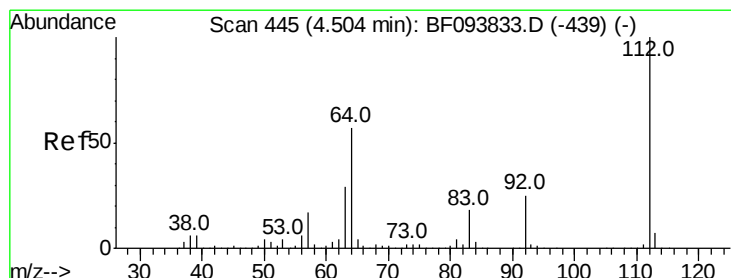
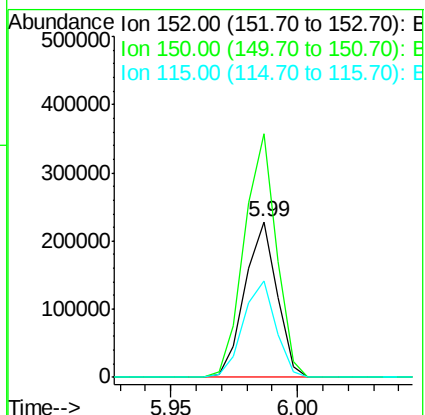
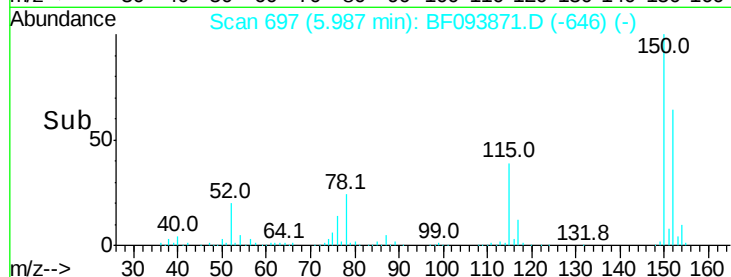
115 61.6 52.2 78.2



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: 109.50 ng

RT: 4.52 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

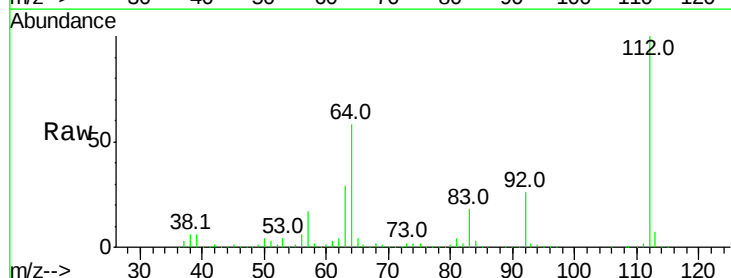
Tgt Ion:112 Resp: 1307681

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

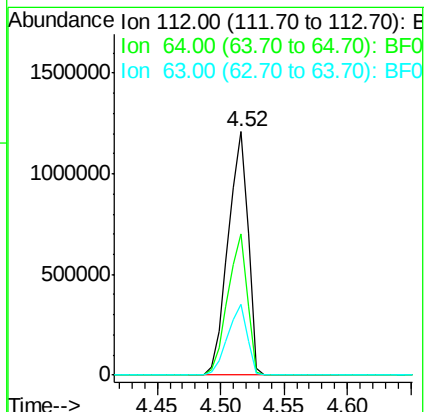
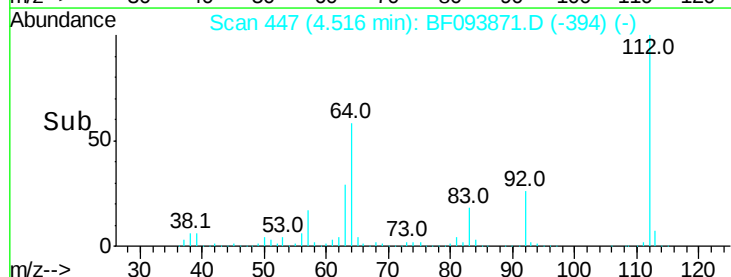
63 29.2 23.4 35.0

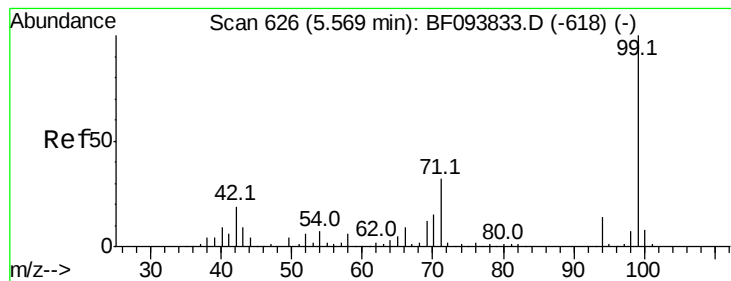


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.33 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

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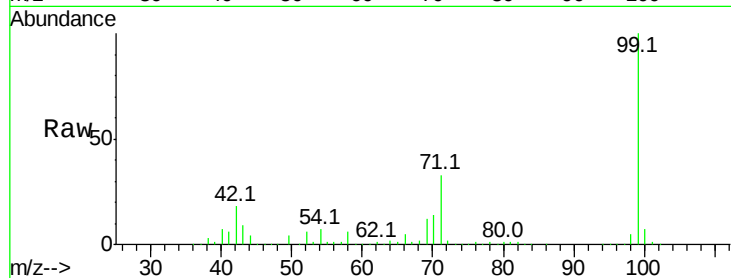
Tot Ion: 99 Resp: 1659543

Ion Ratio Lower Upper

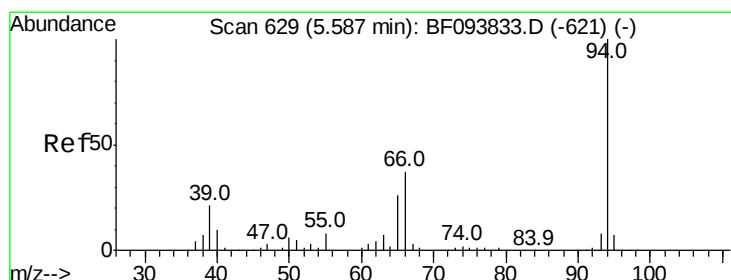
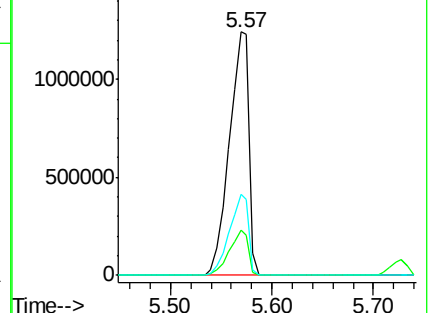
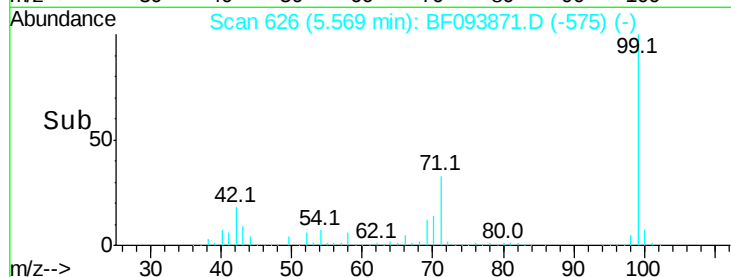
99 100

42 18.4 13.5 20.3

71 33.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.39 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

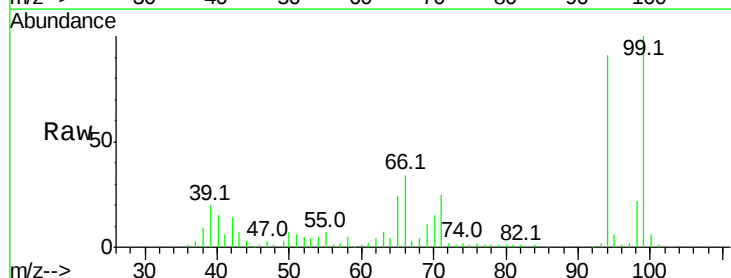
Tgt Ion: 94 Resp: 56981

Ion Ratio Lower Upper

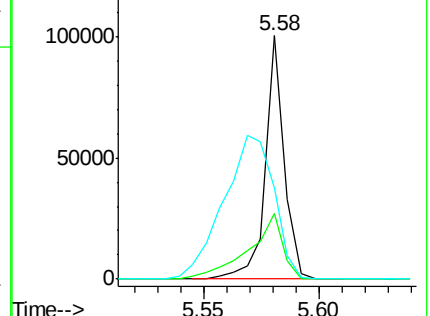
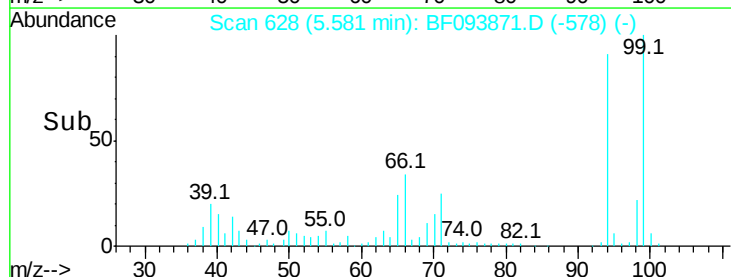
94 100

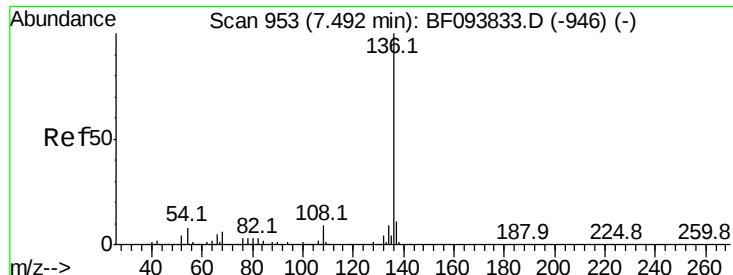
65 26.8 9.9 49.9

66 37.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

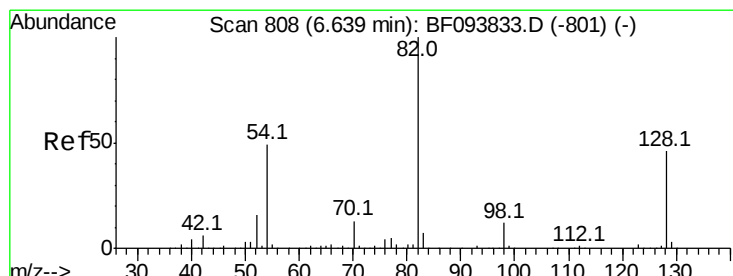
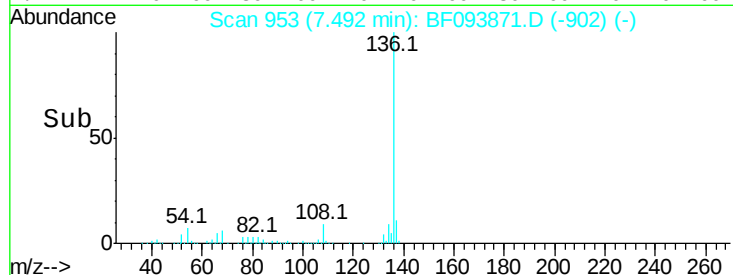
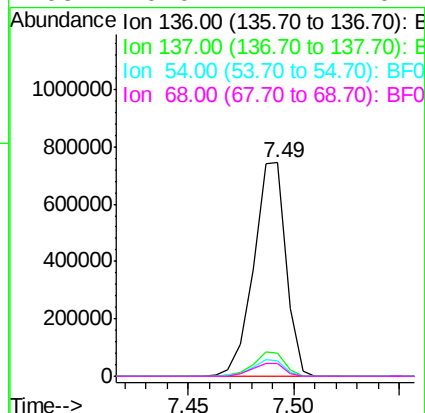
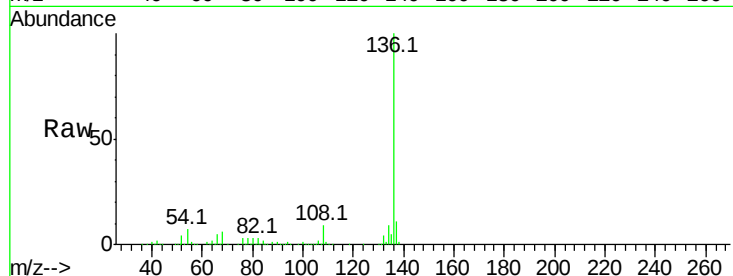




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

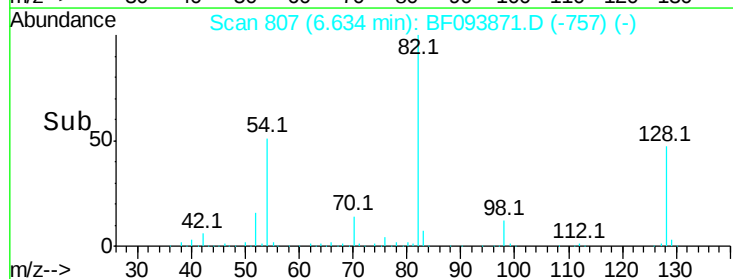
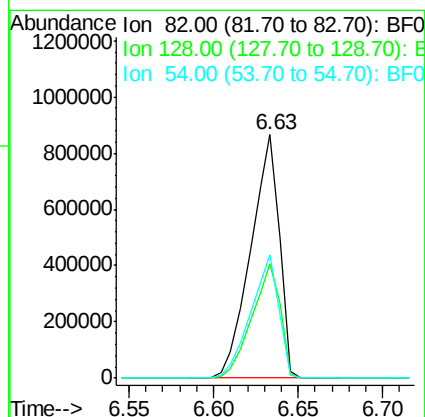
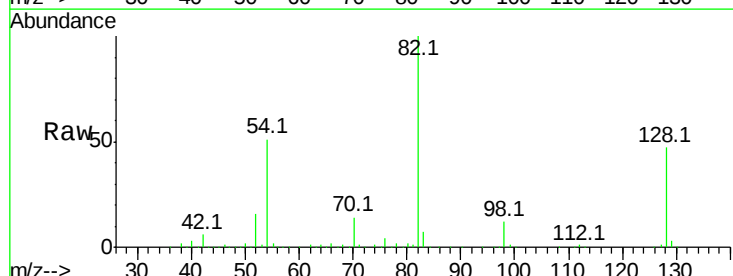
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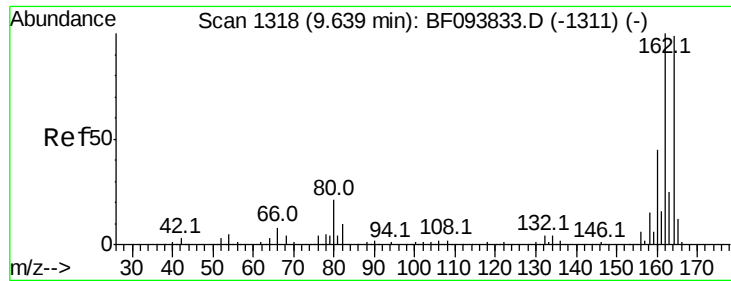
Tot Ion:136	Resp:	795972
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.5	12.7
54 7.4	4.9	7.3#
68 6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 73.24 ng
RT: 6.63 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion: 82	Resp:	1021593
Ion Ratio	Lower	Upper
82 100		
128 46.7	34.0	51.0
54 50.6	42.2	63.2

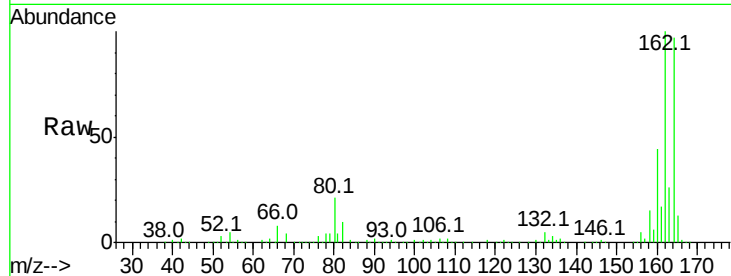




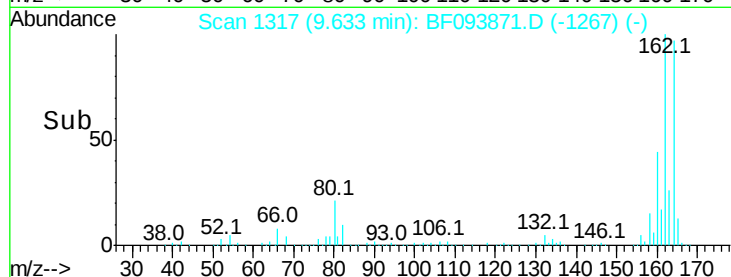
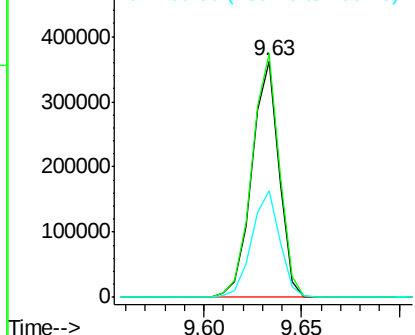
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 72-11931-VNJ-226-213-COMP

Tot Ion:164 Resp: 348112
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 45.2 36.2 54.2

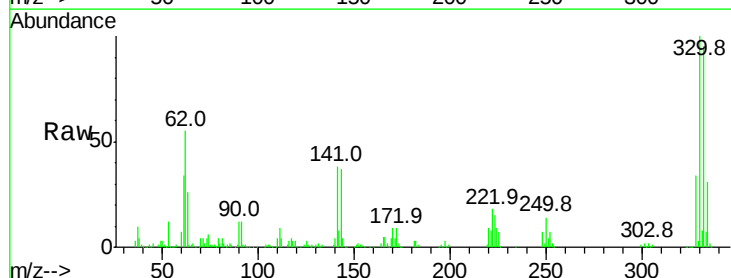


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

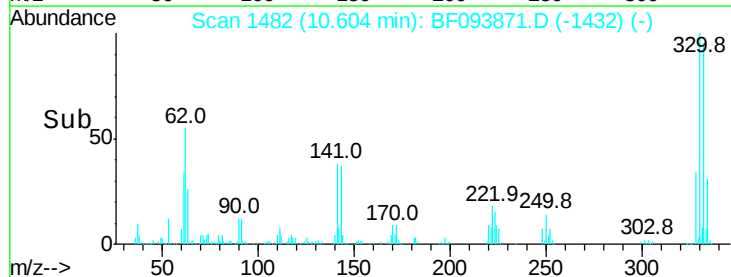
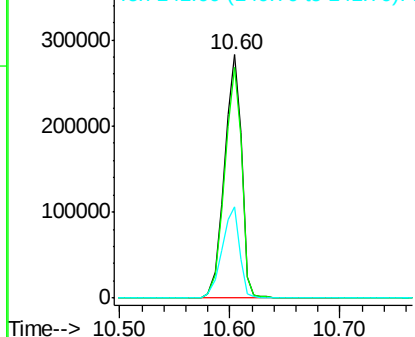


#41
 2,4,6-Tribromophenol
 Concen: 111.33 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Tgt Ion:330 Resp: 306254
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 38.8 31.4 47.2



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

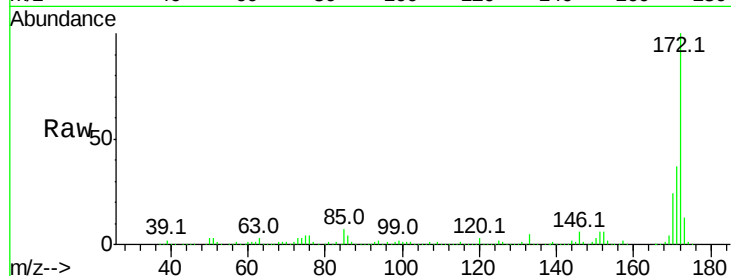




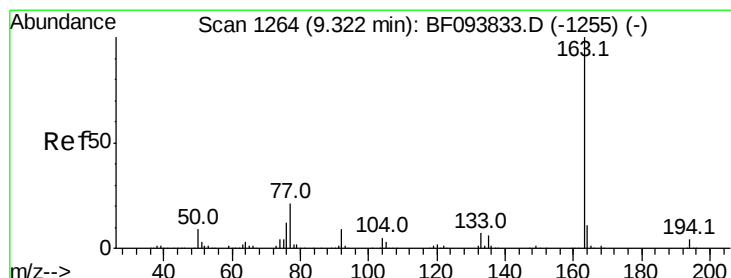
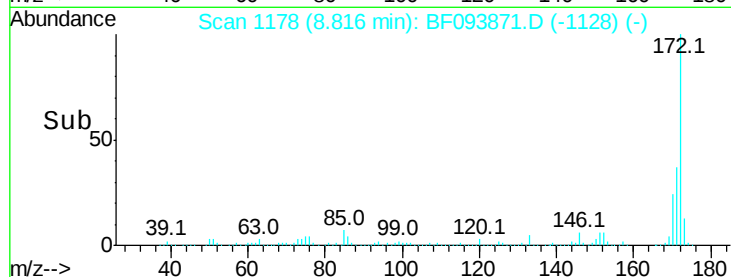
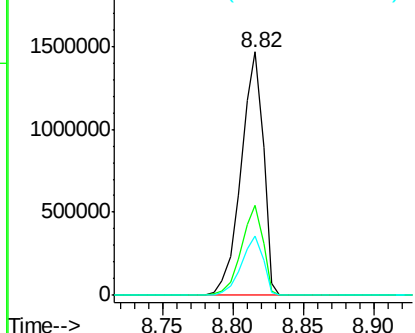
#44
2-Fluorobiphenyl
Concen: 70.38 ng
RT: 8.82 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

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Tot Ion:172 Resp: 1606276
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.4 19.8 29.8

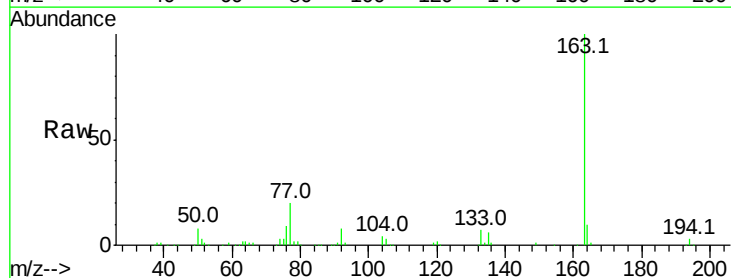


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

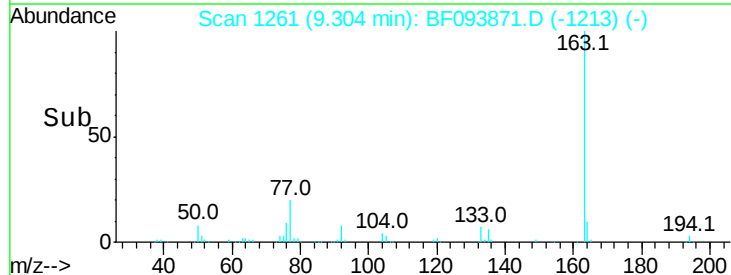
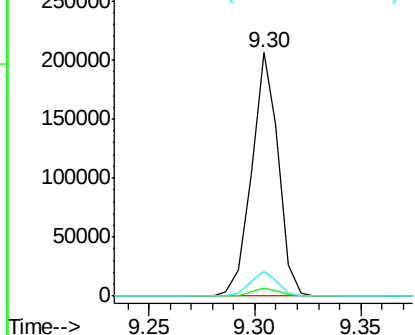


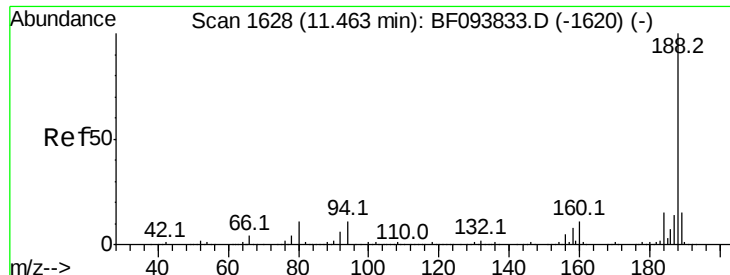
#49
Dimethylphthalate
Concen: 7.26 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:163 Resp: 179625
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.4 8.4 12.6



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

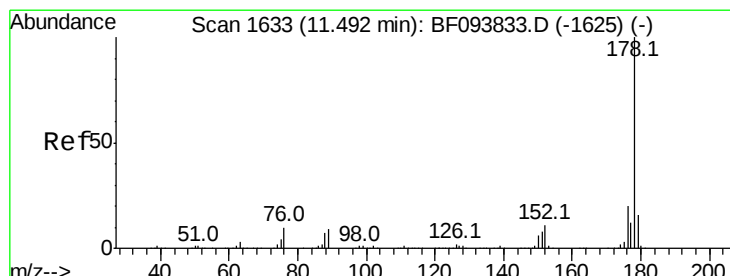
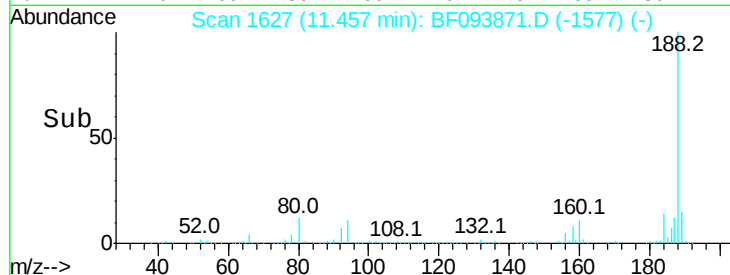
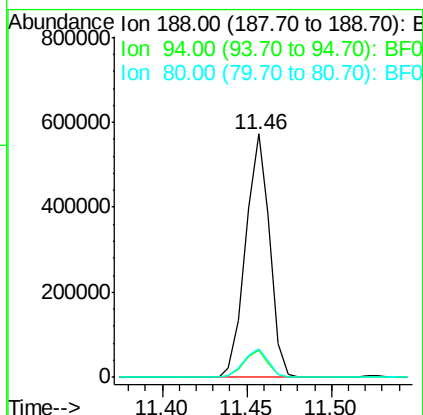
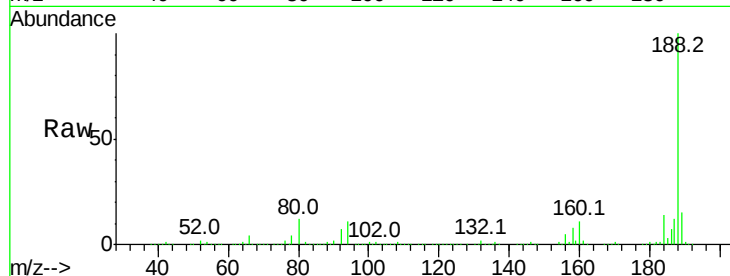




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

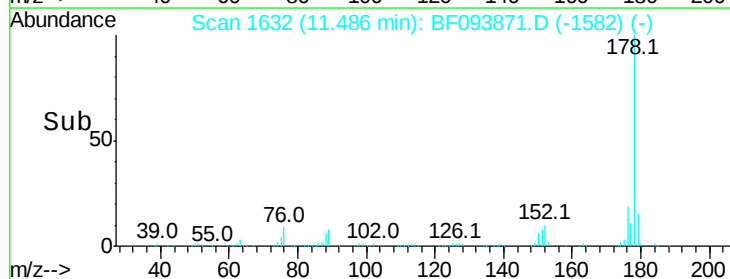
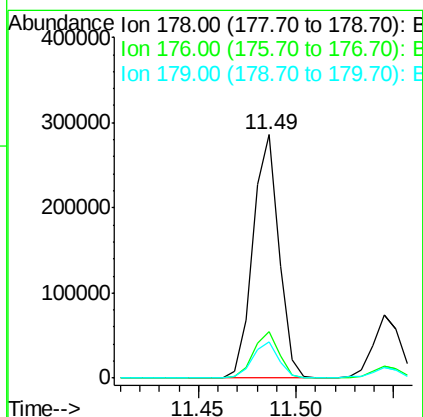
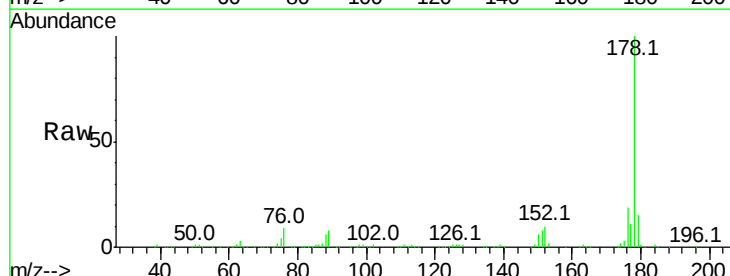
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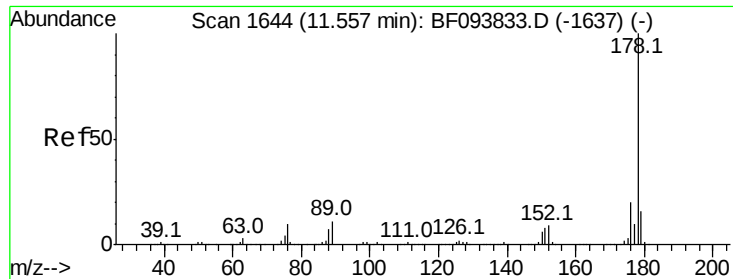
Tot Ion:188 Resp: 566236
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.8 10.2 15.2



#70
Phenanthrene
Concen: 8.39 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:178 Resp: 264181
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.8 12.6 19.0

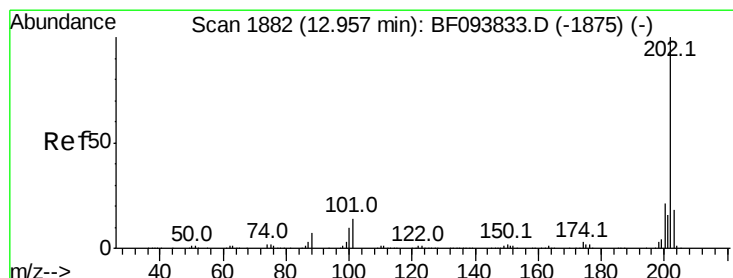
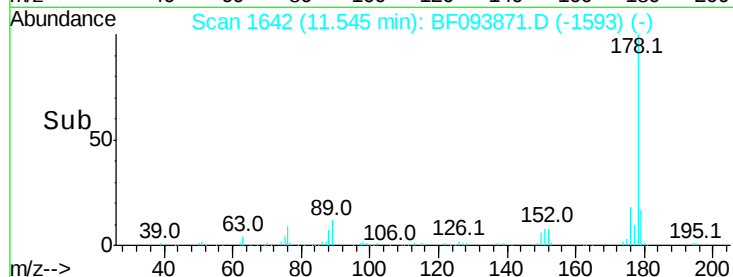
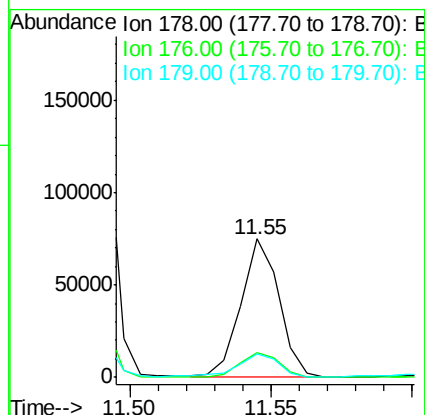
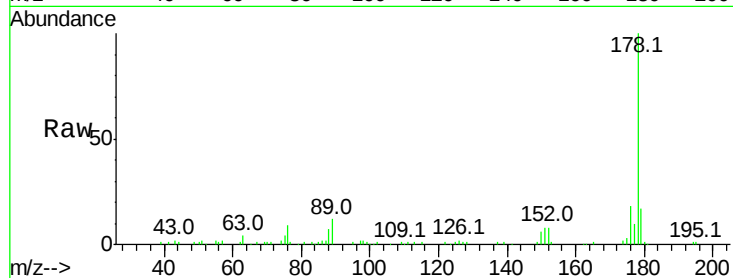




#71
 Anthracene
 Concen: 2.15 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

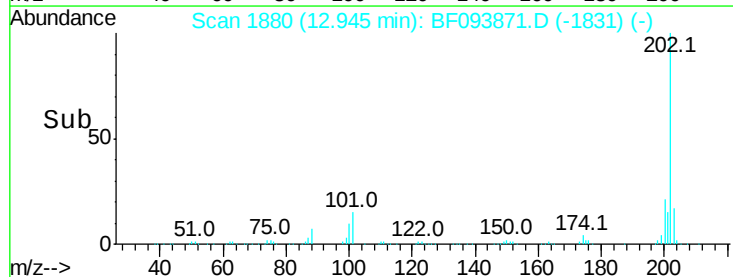
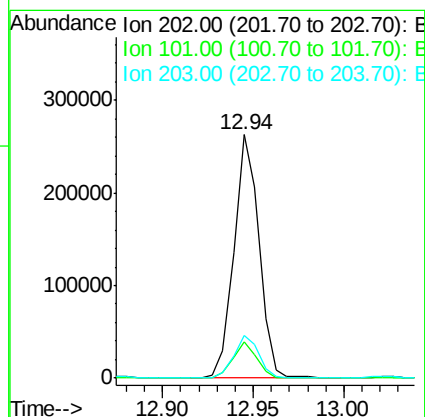
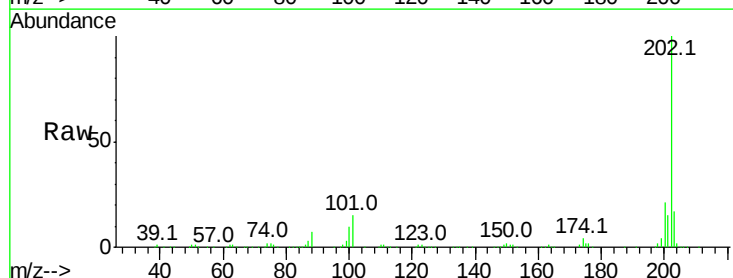
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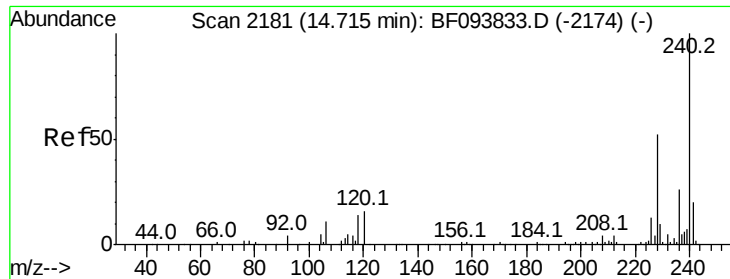
Tot Ion:178 Resp: 69819
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 16.5 12.7 19.1



#74
 Fluoranthene
 Concen: 7.85 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BF093871.D
 Acq: 23 Mar 2017 9:30

Tgt Ion:202 Resp: 253200
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 33.2
 203 17.3 0.0 38.1

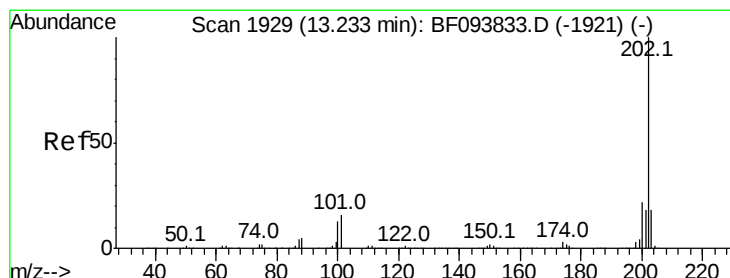
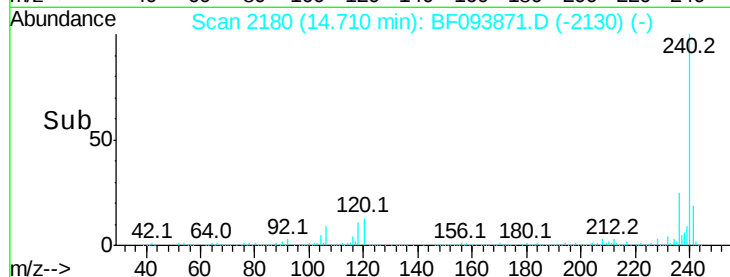
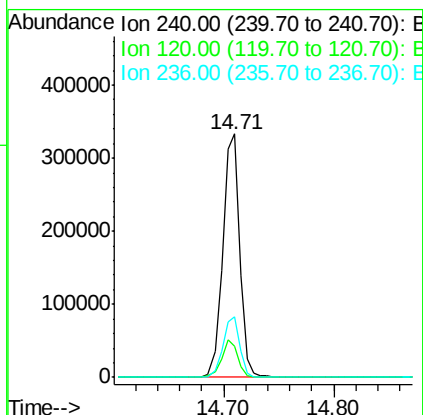
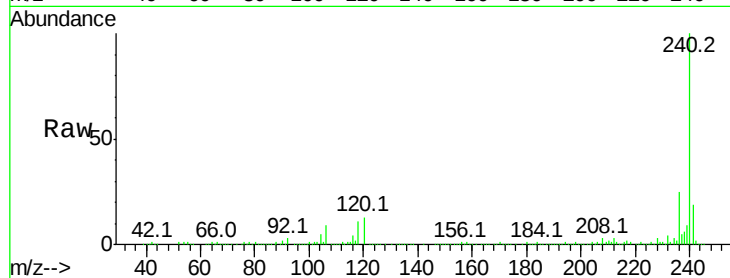




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

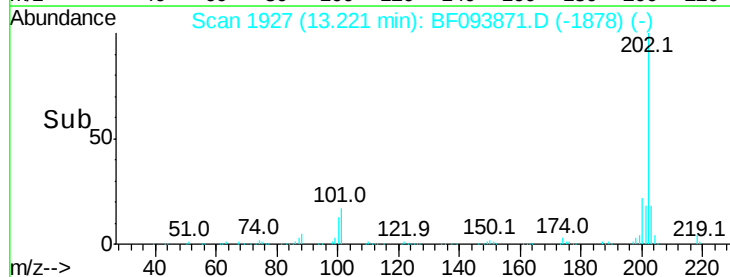
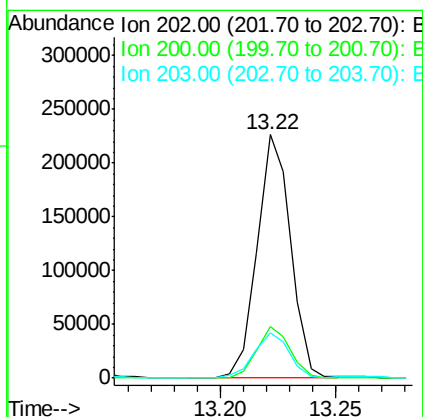
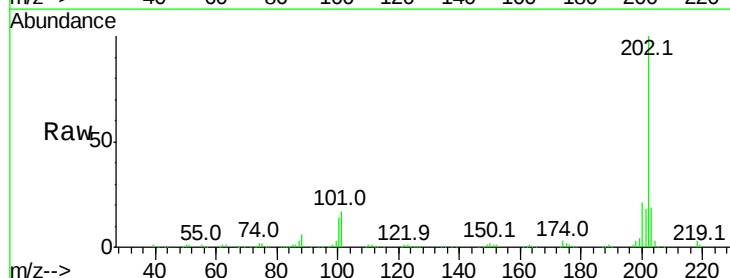
Instrument :
BNA_F
ClientSampleId :
72-11931-VNJ-226-213-COMP

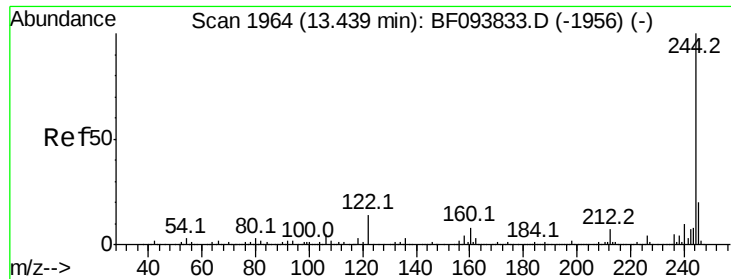
Tot Ion:240 Resp: 357364
Ion Ratio Lower Upper
240 100
120 13.0 5.8 8.8#
236 24.8 20.5 30.7



#77
Pyrene
Concen: 8.82 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093871.D
Acq: 23 Mar 2017 9:30

Tgt Ion:202 Resp: 228714
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 18.7 14.4 21.6





#78

Terphenyl-d14

Concen: 64.31 ng

RT: 13.43 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

72-11931-VNJ-226-213-COMP

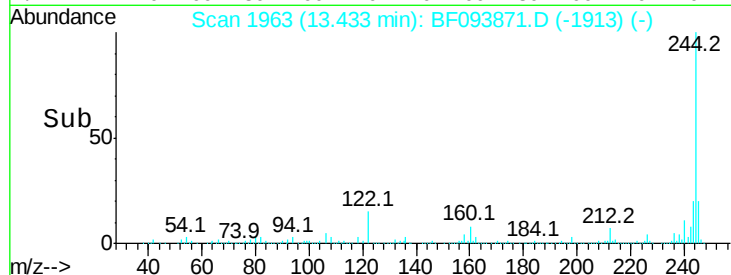
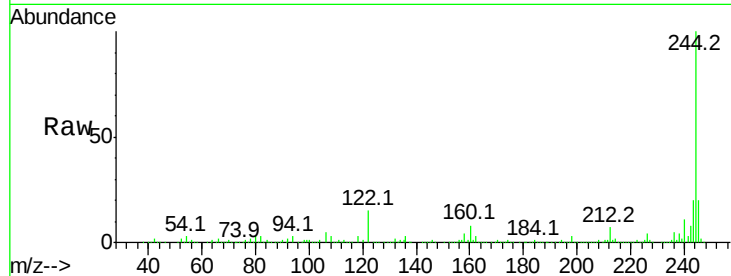
Tot Ion:244 Resp: 1025251

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

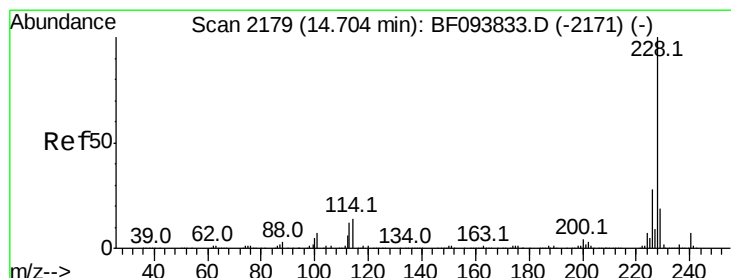
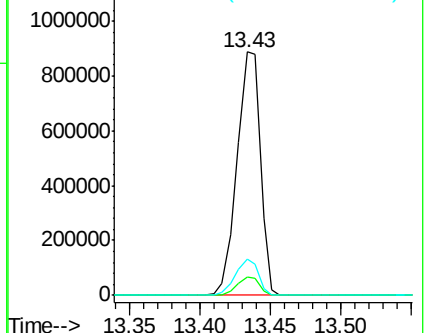
122 15.0 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 3.88 ng m

RT: 14.69 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

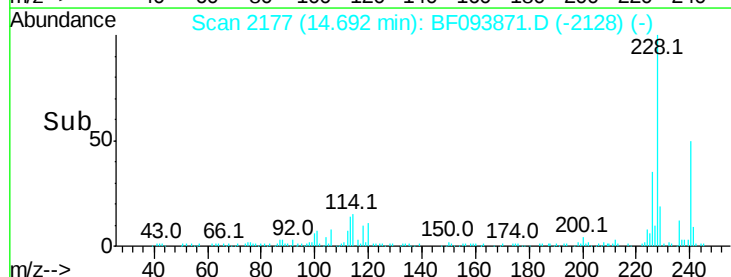
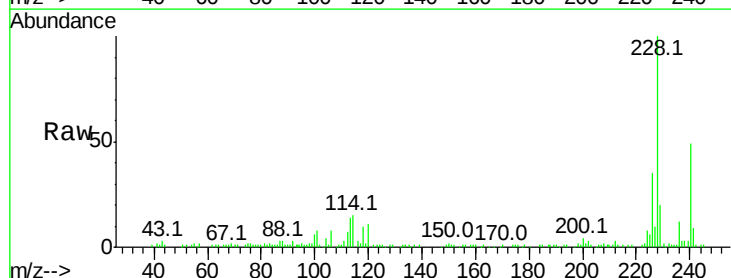
Tgt Ion:228 Resp: 80873

Ion Ratio Lower Upper

228 100

226 34.8 22.6 33.8#

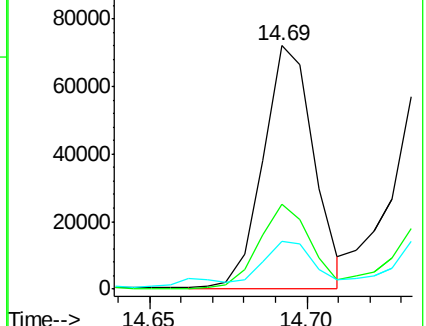
229 19.8 16.3 24.5

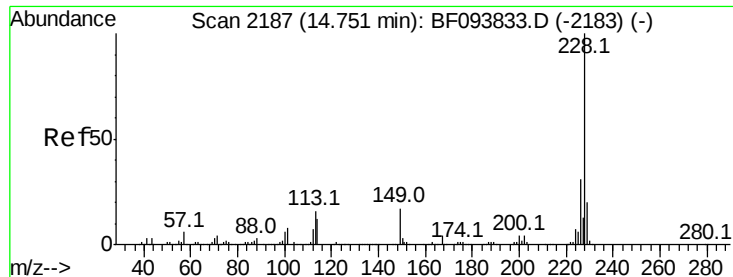


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.82 ng/mL

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

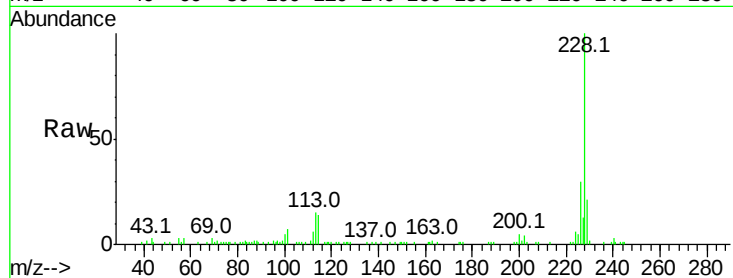
BNA_F

ClientSampleId :

72-11931-VNJ-226-213-COMP

Tot Ion: 228 Resp: 73933

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	20.9	15.8	23.6

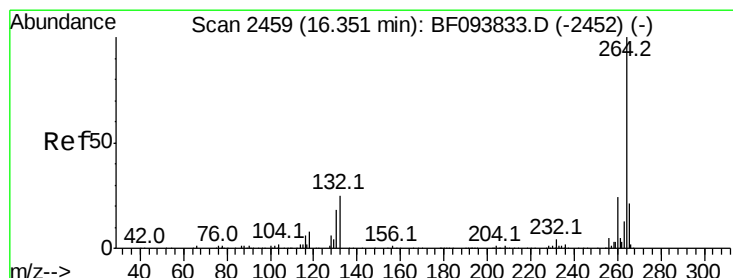
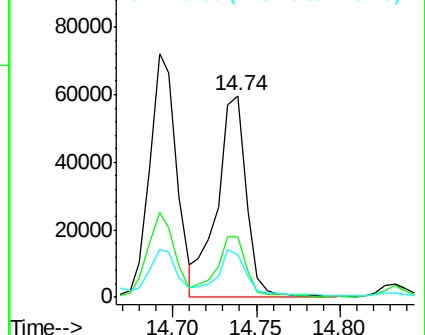
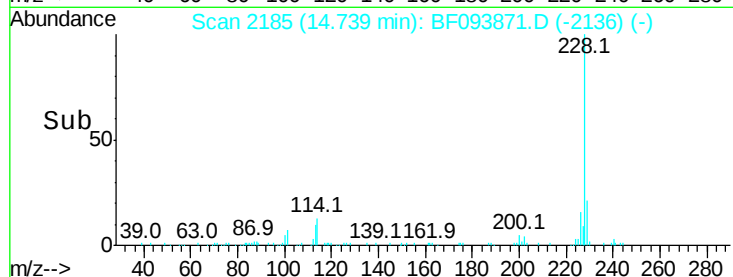


Abundance

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

Perylene-d12

Concen: 20.00 ng/mL

RT: 16.34 min Scan# 2458

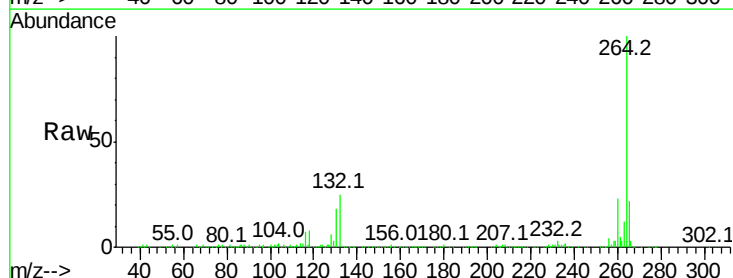
Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Tgt Ion: 264 Resp: 311188

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.1	17.2	25.8

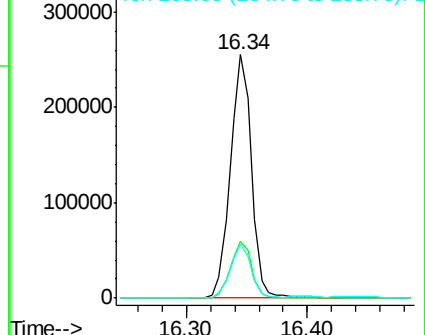
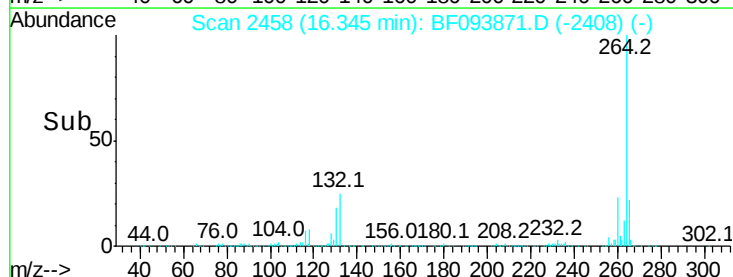


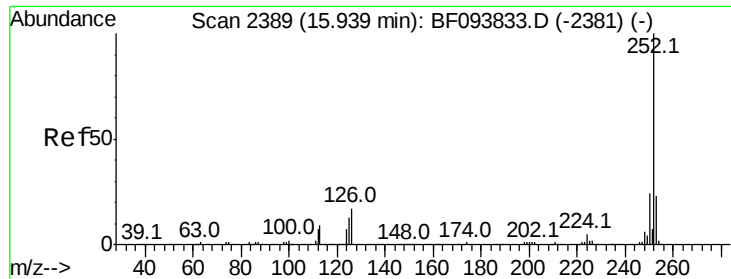
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 3.66 ng

RT: 15.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

Instrument :

BNA_F

ClientSampleId :

72-11931-VNJ-226-213-COMP

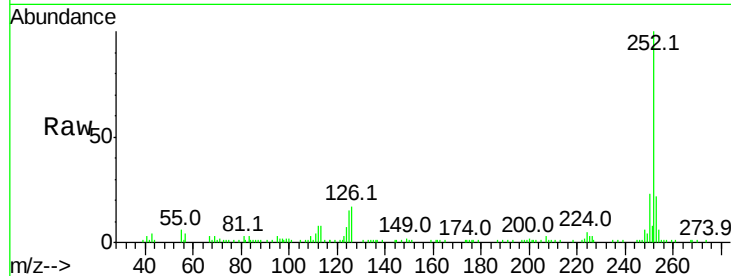
Tot Ion:252 Resp: 69858

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

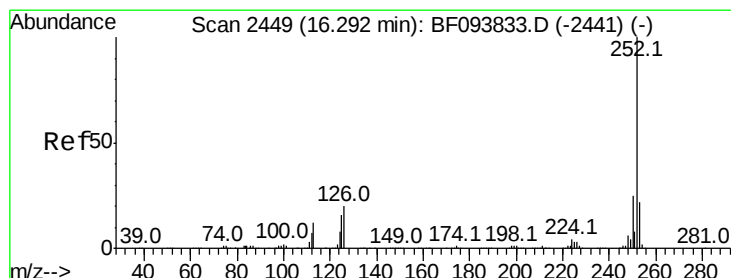
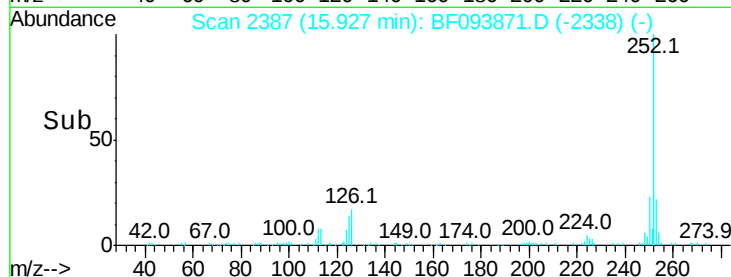
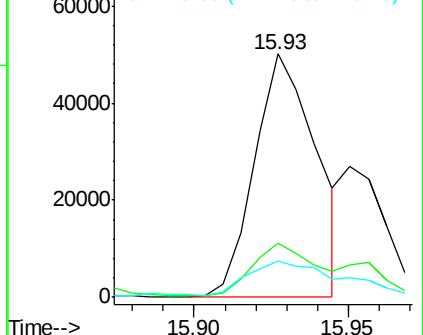
125 14.8 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.05 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF093871.D

Acq: 23 Mar 2017 9:30

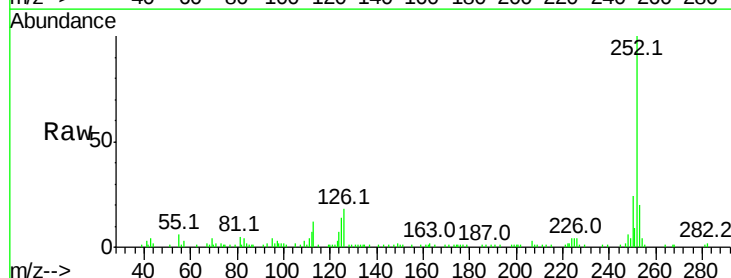
Tgt Ion:252 Resp: 53570

Ion Ratio Lower Upper

252 100

253 20.2 17.5 26.3

125 14.4 11.0 16.4



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

