

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090913.D
 Acq On : 21 Sep 2015 10:10
 Operator : UM/IZ
 Sample : PB85619BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85619BL

Quant Time: Sep 21 12:47:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 18:17:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	30903	5.00	ng	0.00
7) Naphthalene-d8	10.29	136	126219	5.00	ng	0.00
13) Acenaphthene-d10	14.16	164	65800	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	164626	5.00	ng	0.00
26) Chrysene-d12	21.07	240	217381	5.00	ng	0.00
33) Perylene-d12	23.35	264	202089	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.17	112	56719	8.19	ng	-0.01
5) Phenol-d6	6.73	99	73189	7.60	ng	-0.02
8) Nitrobenzene-d5	8.69	82	34201	3.93	ng	-0.01
14) 2,4,6-Tribromophenol	15.68	330	16844	7.25	ng	-0.02
15) 2-Fluorobiphenyl	12.78	172	70924	3.80	ng	-0.01
28) Terphenyl-d14	19.53	244	116637	4.74	ng	0.00

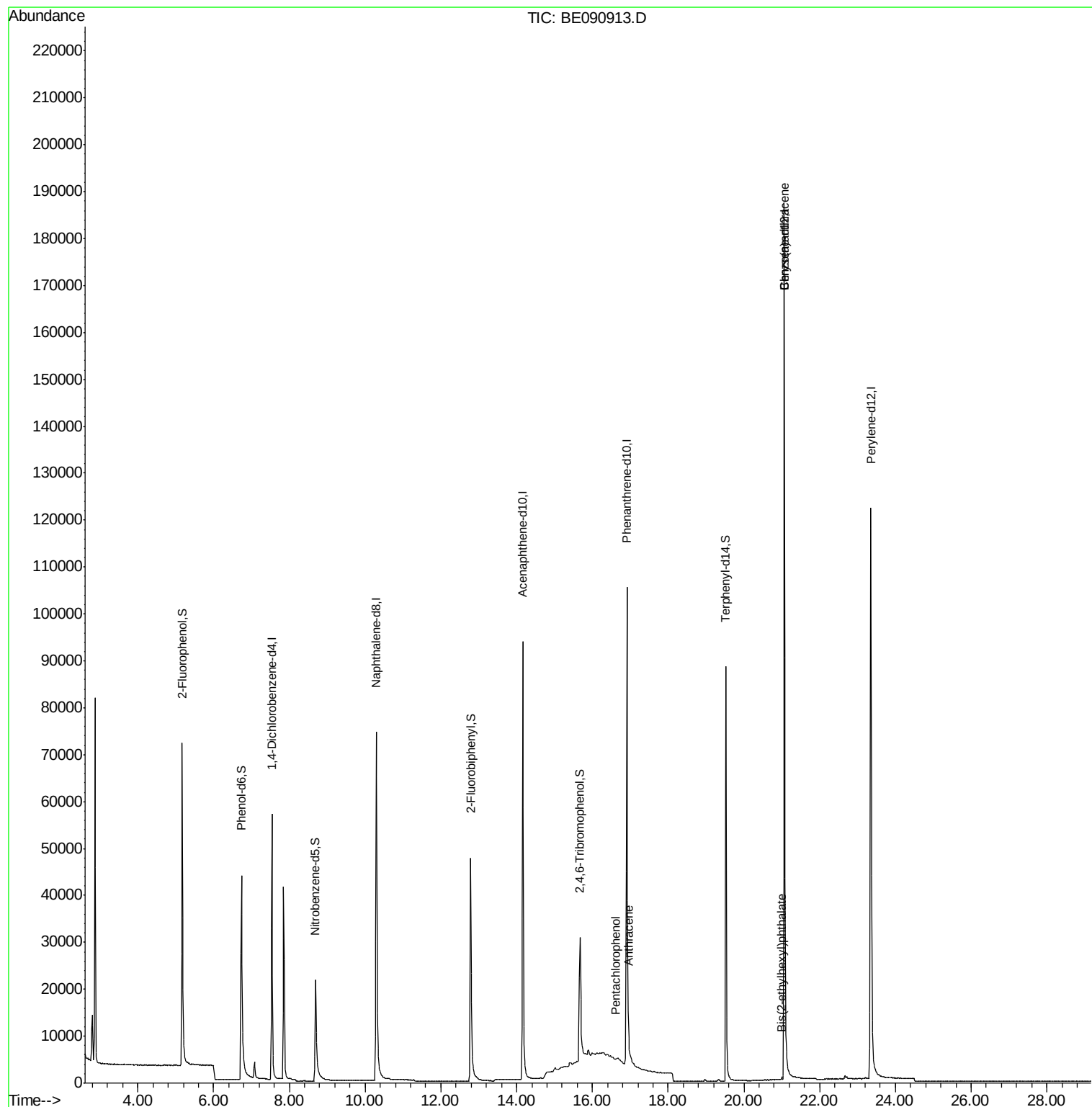
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	43	Below Cal	#	29
3) n-Nitrosodimethylamine	3.47	42	40	Below Cal	#	27
6) bis(2-Chloroethyl)ether	6.97	93	4	Below Cal	#	1
10) Naphthalene	10.39	128	29	Below Cal	#	1
11) Hexachlorobutadiene	10.61	225	12	Below Cal	#	30
18) Fluorene	15.27	166	142	Below Cal	#	1
21) Hexachlorobenzene	16.27	284	25	Below Cal	#	37
22) Pentachlorophenol	16.61	266	20	0.18 ng	#	57
23) Phenanthrene	16.94	178	813	Below Cal	#	80
24) Anthracene	16.94	178	813	0.02 ng	#	82
29) Benzo(a)anthracene	21.06	228	1320	0.02 ng	#	89
30) Chrysene	21.10	228	1738	Below Cal	#	93
31) Bis(2-ethylhexyl)phthalate	21.00	149	639	0.20 ng	#	97

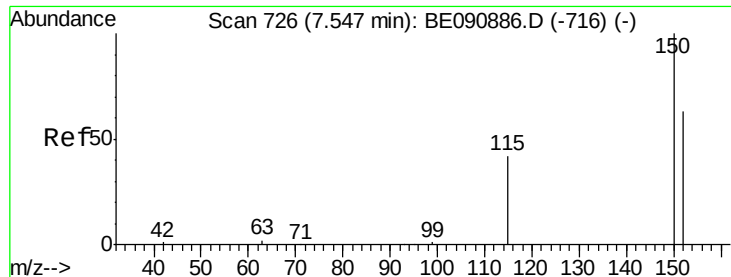
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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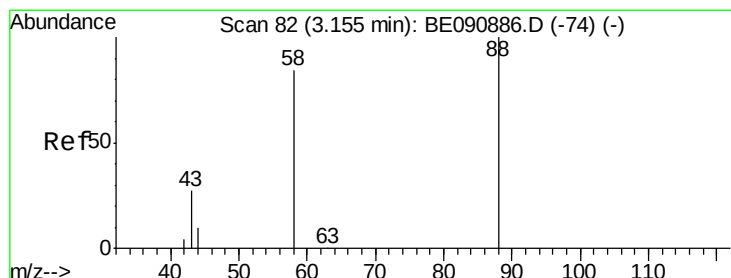
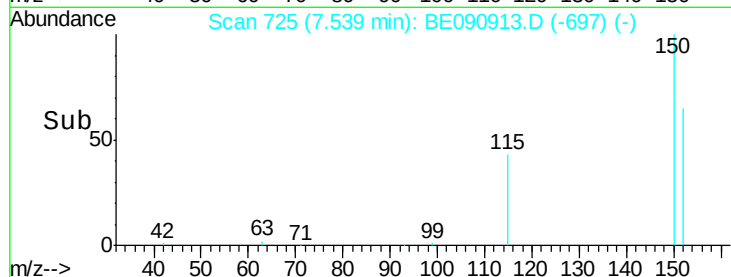
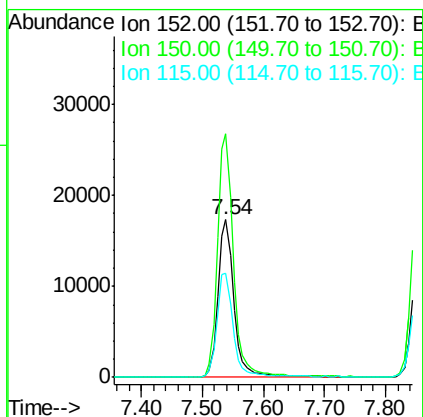
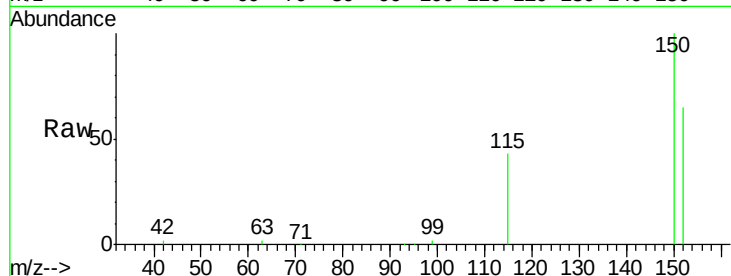


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.54 min Scan# 725
Delta R.T. -0.01 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

Instrument :
BNA_E
ClientSampleId :
PB85619BL

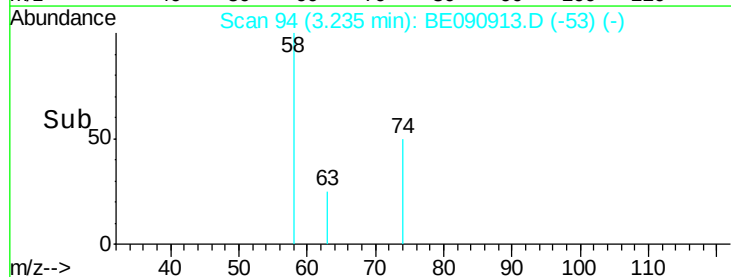
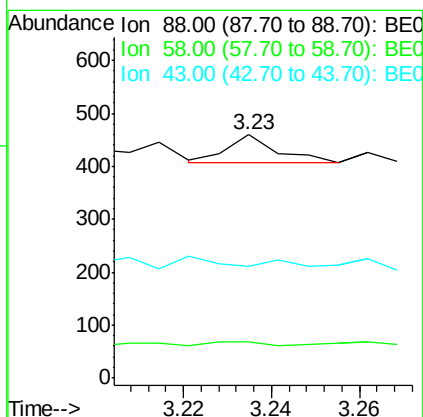
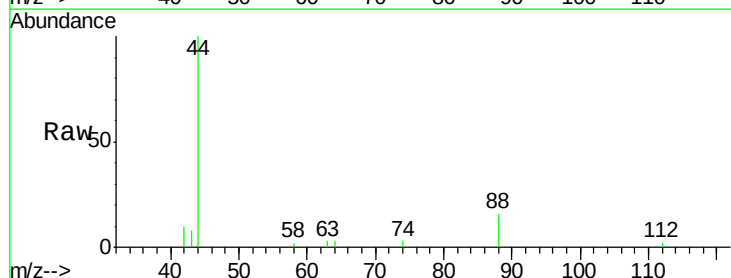
Tot Ion:152 Resp: 30903
Ion Ratio Lower Upper
152 100
150 154.5 122.2 183.4
115 66.3 51.0 76.4

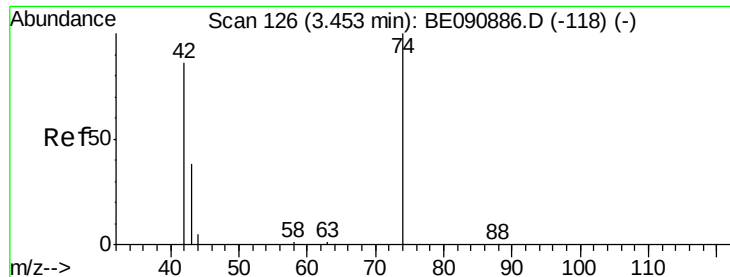


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.23 min Scan# 94
Delta R.T. 0.08 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
58 16.3 68.4 102.6#
43 0.0 26.9 40.3#



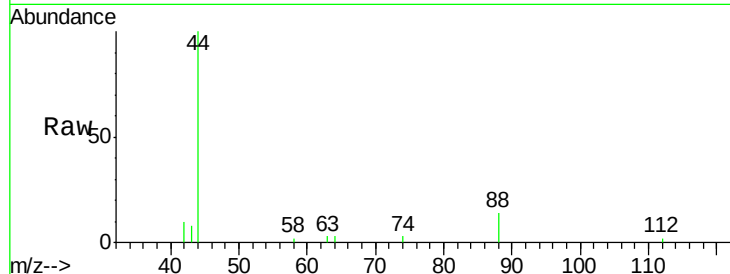


#3

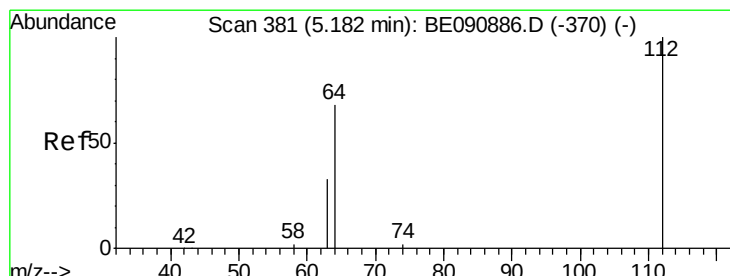
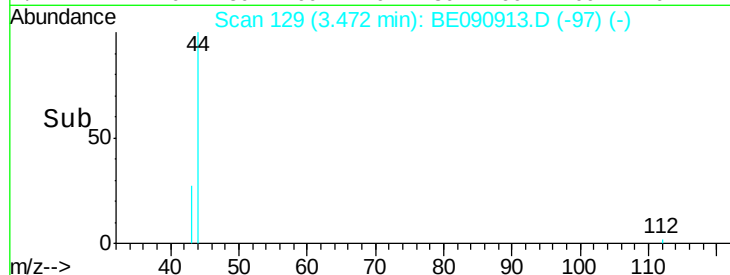
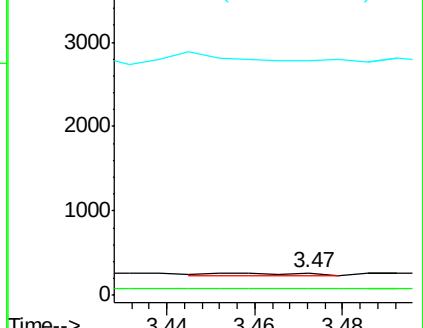
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.47 min Scan# 129
 Delta R.T. 0.02 min
 Lab File: BE090913.D
 Acq: 21 Sep 2015 10:10

Instrument :
 BNA_E
 ClientSampleId :
 PB85619BL

Tot Ion: 42 Resp: 40
 Ion Ratio Lower Upper
 42 100
 74 25.0 83.7 125.5#
 44 0.0 10.0 15.0#



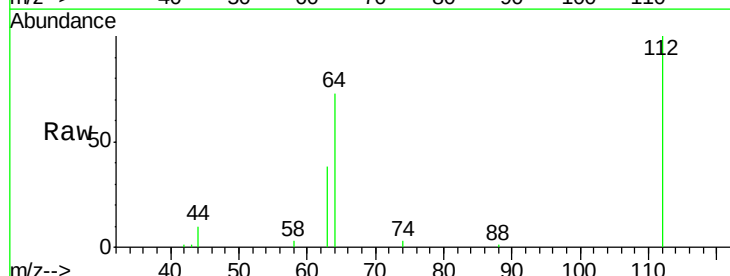
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



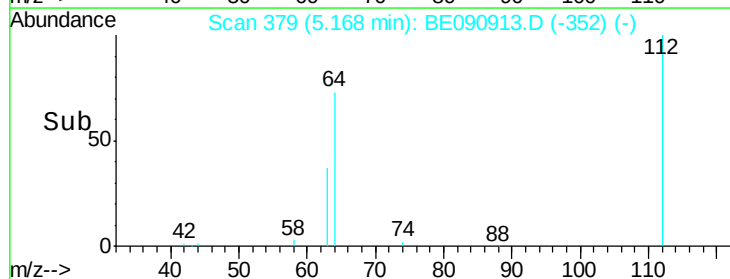
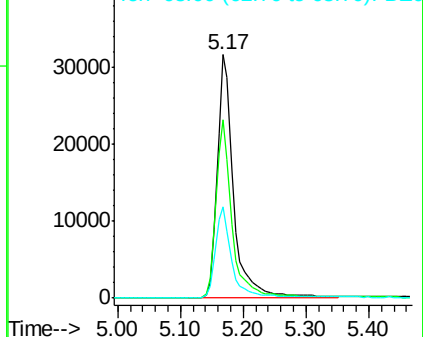
#4

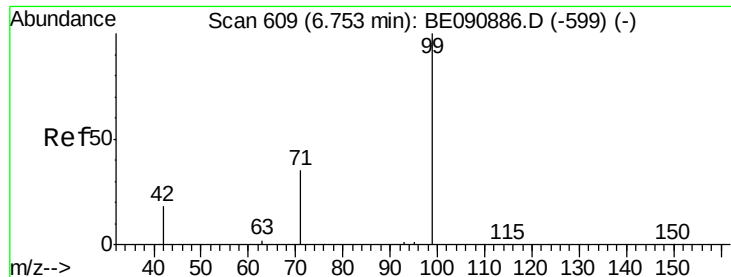
2-Fluorophenol
 Concen: 8.19 ng
 RT: 5.17 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: BE090913.D
 Acq: 21 Sep 2015 10:10

Tgt Ion: 112 Resp: 56719
 Ion Ratio Lower Upper
 112 100
 64 72.4 57.3 85.9
 63 37.1 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.60 ng

RT: 6.73 min Scan# 606

Delta R.T. -0.02 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

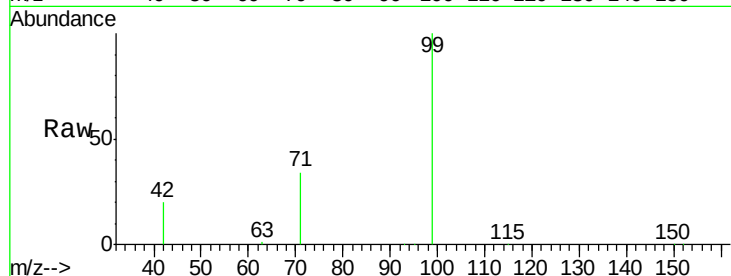
Tot Ion: 99 Resp: 73189

Ion Ratio Lower Upper

99 100

42 22.3 16.8 25.2

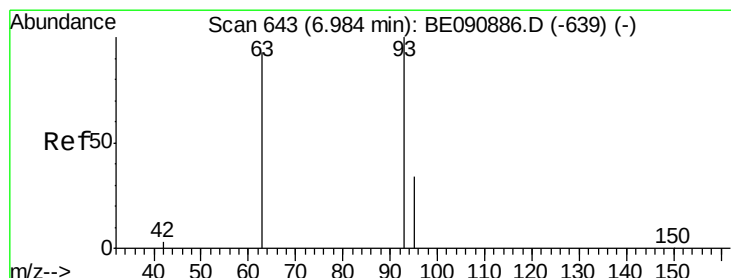
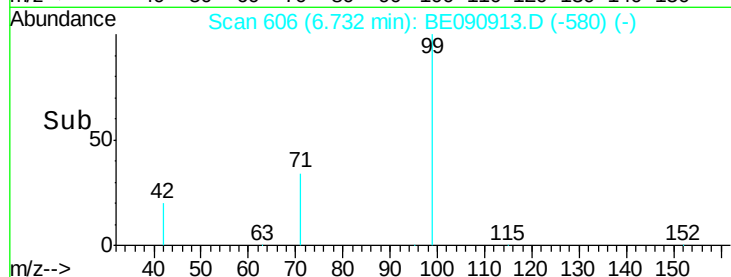
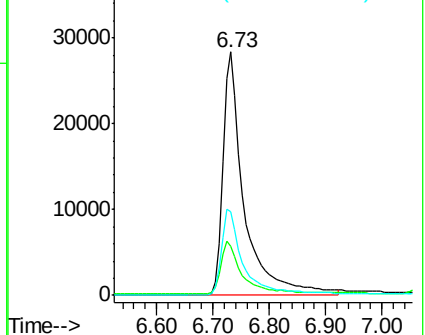
71 36.2 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: Below Cal

RT: 6.97 min Scan# 641

Delta R.T. -0.01 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

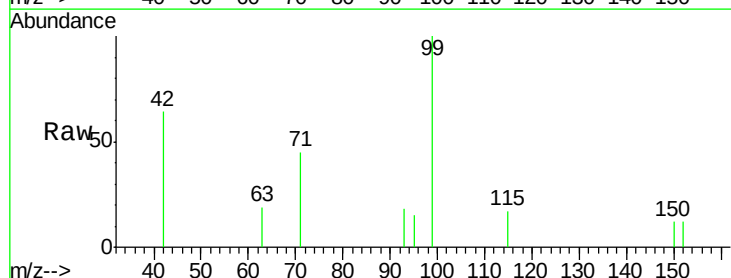
Tgt Ion: 93 Resp: 4

Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

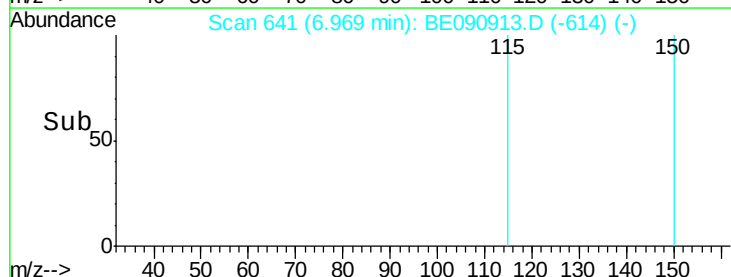
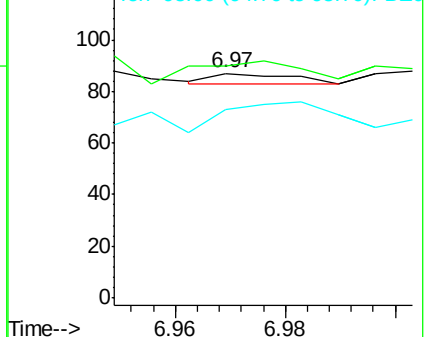
95 425.0 26.9 40.3#

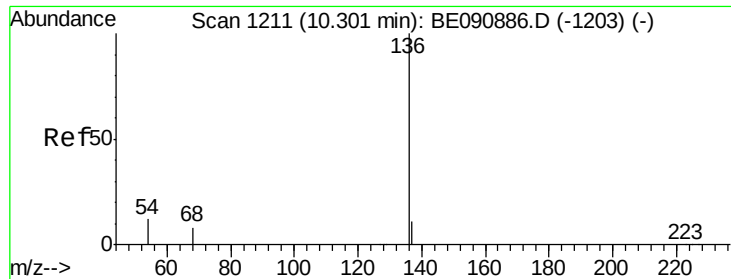


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.29 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

Tot Ion:136 Resp: 126219

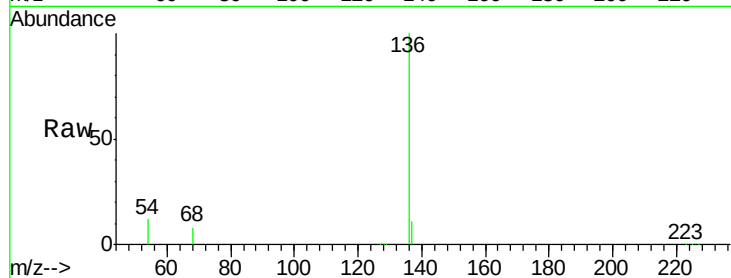
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 12.0 9.0 13.6

68 8.4 6.3 9.5

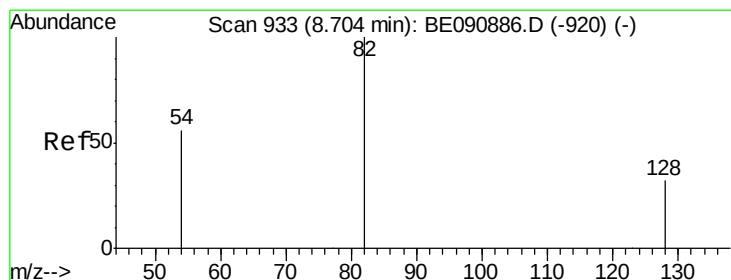
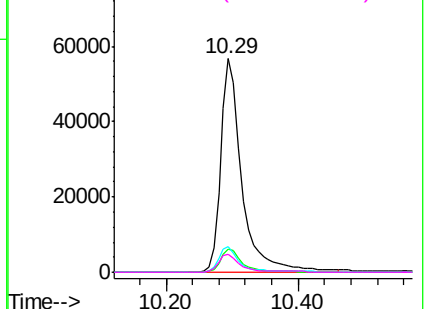
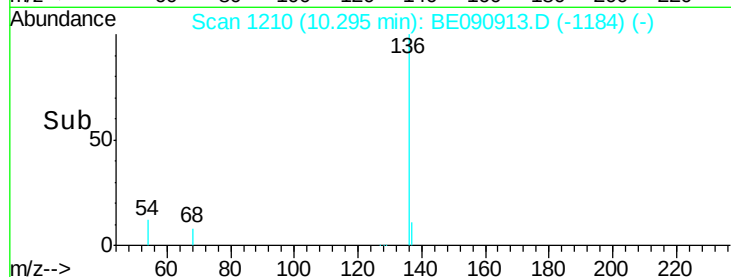


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.93 ng

RT: 8.69 min Scan# 930

Delta R.T. -0.01 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

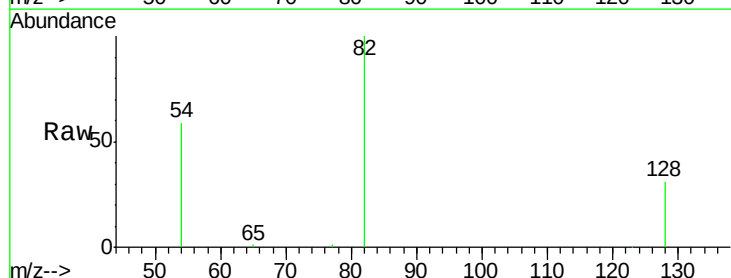
Tgt Ion: 82 Resp: 34201

Ion Ratio Lower Upper

82 100

128 30.9 25.0 37.4

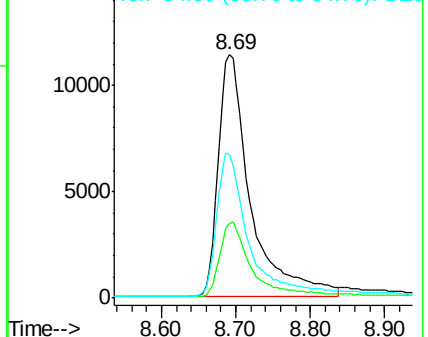
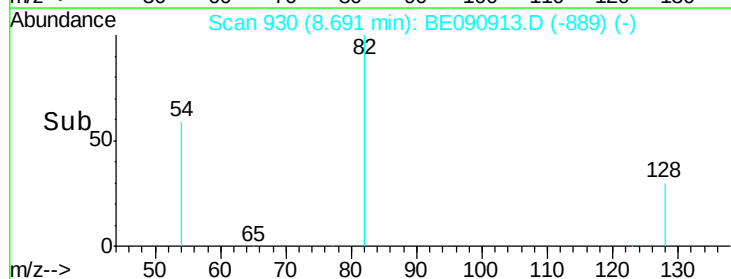
54 58.9 46.3 69.5

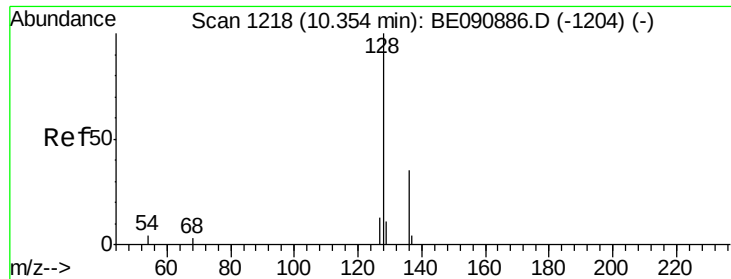


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: Below Cal

RT: 10.39 min Scan# 1223

Delta R.T. 0.04 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampled :

PB85619BL

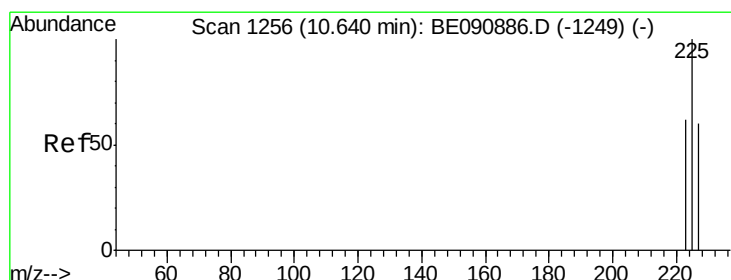
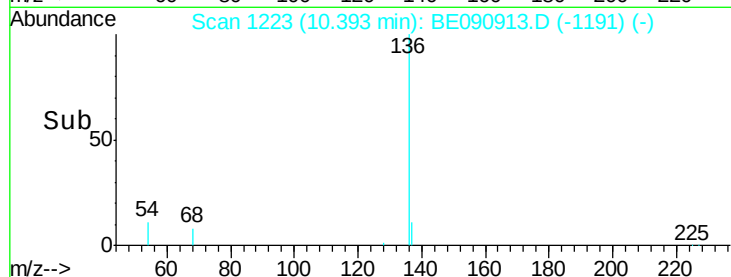
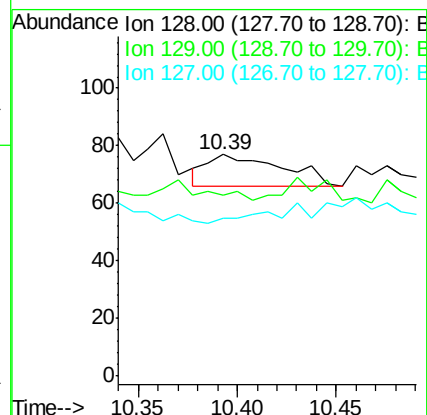
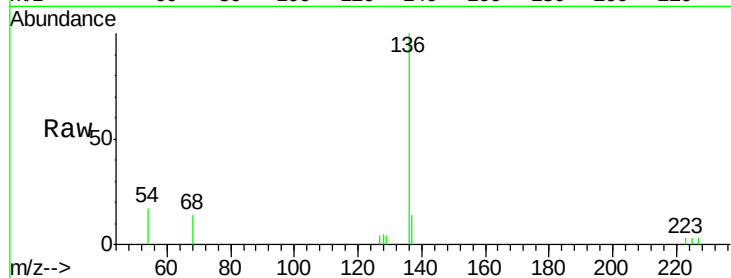
Tot Ion:128 Resp: 29

Ion Ratio Lower Upper

128 100

129 81.8 8.4 12.6#

127 71.4 9.9 14.9#



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.61 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

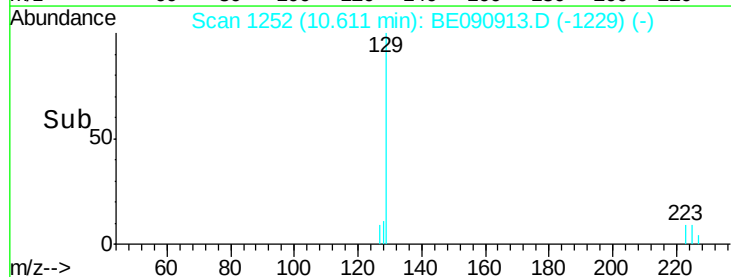
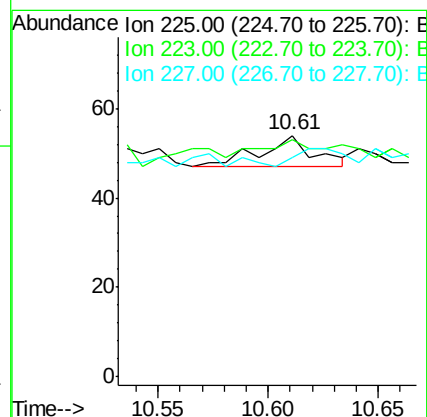
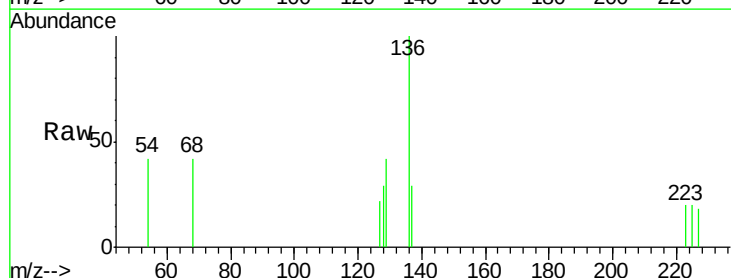
Tgt Ion:225 Resp: 12

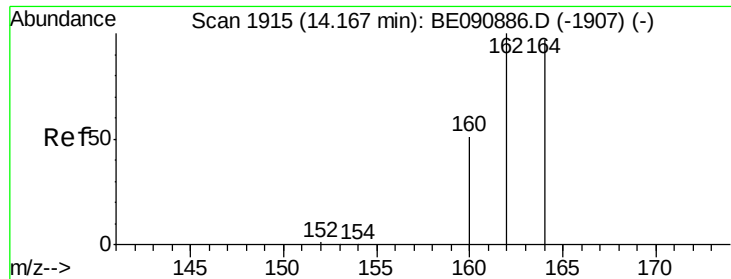
Ion Ratio Lower Upper

225 100

223 158.3 50.6 76.0#

227 50.0 51.0 76.6#

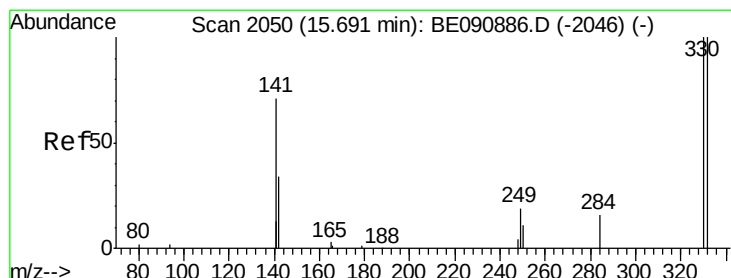
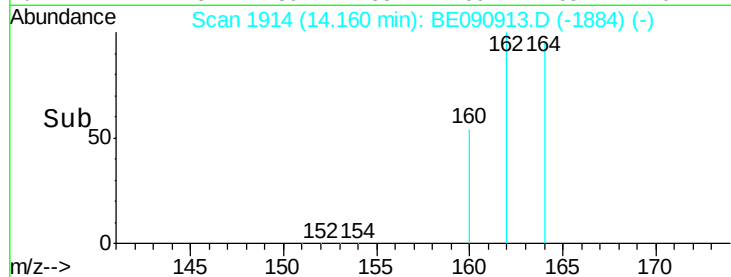
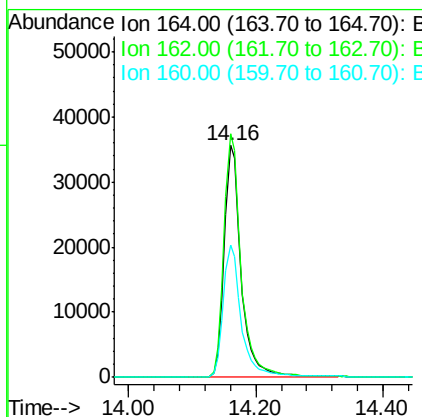
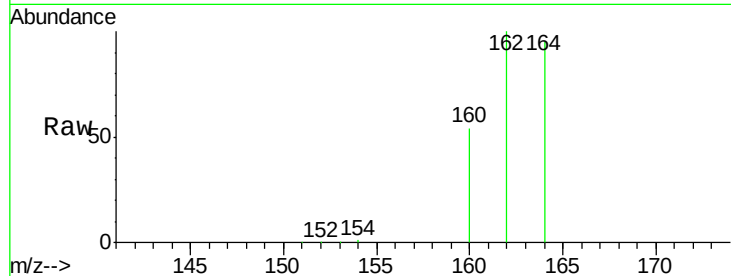




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

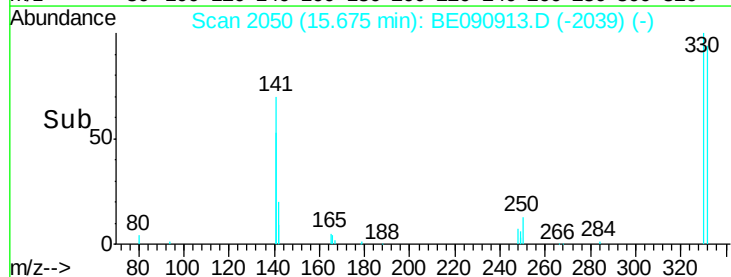
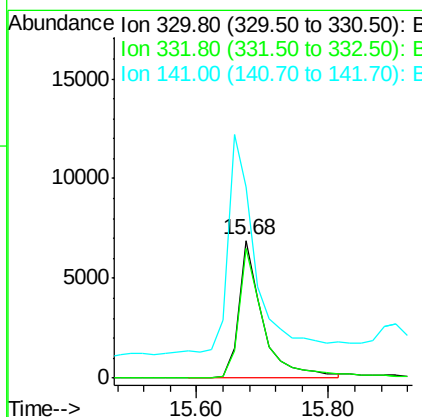
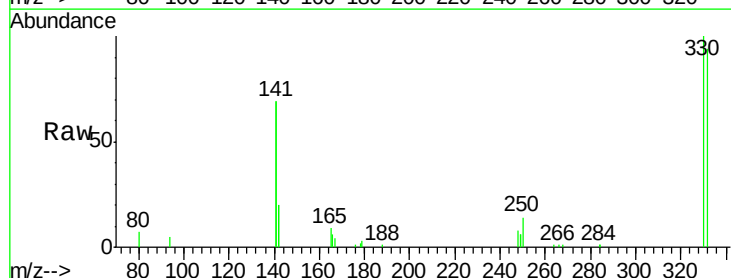
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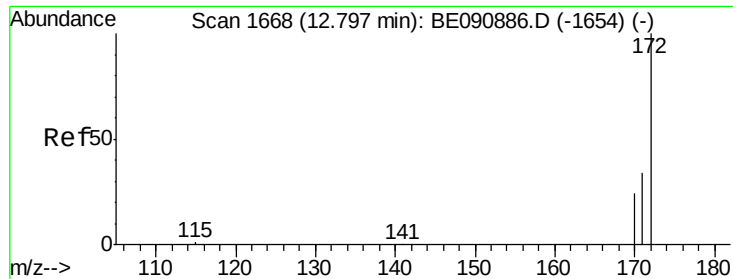
Tot Ion:164 Resp: 65800
Ion Ratio Lower Upper
164 100
162 105.1 86.8 130.2
160 57.0 53.9 80.9



#14
2,4,6-Tribromophenol
Concen: 7.25 ng
RT: 15.68 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

Tgt Ion:330 Resp: 16844
Ion Ratio Lower Upper
330 100
332 96.6 74.9 112.3
141 194.5 145.2 217.8

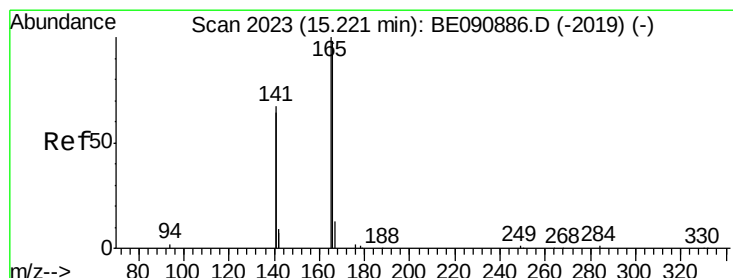
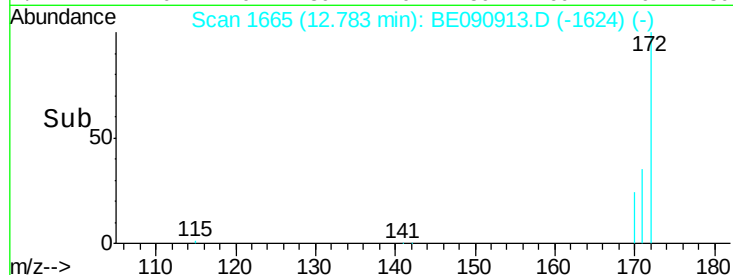
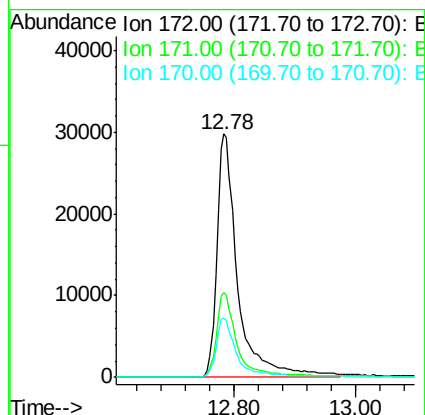
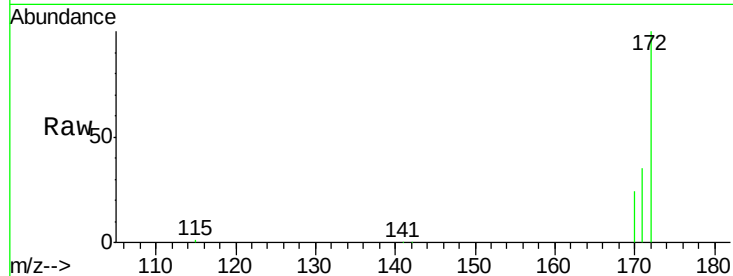




#15
2-Fluorobiphenyl
Concen: 3.80 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

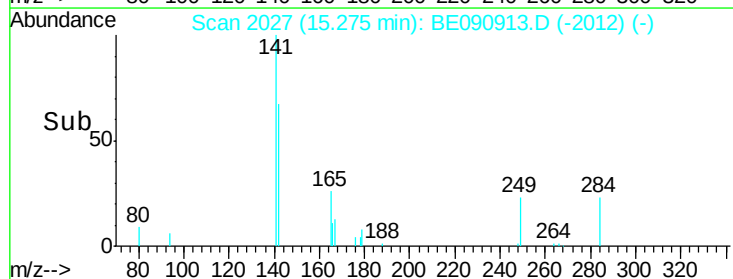
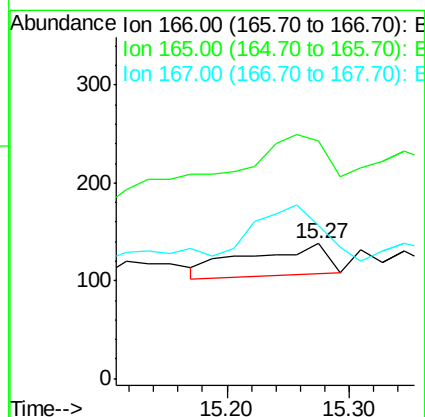
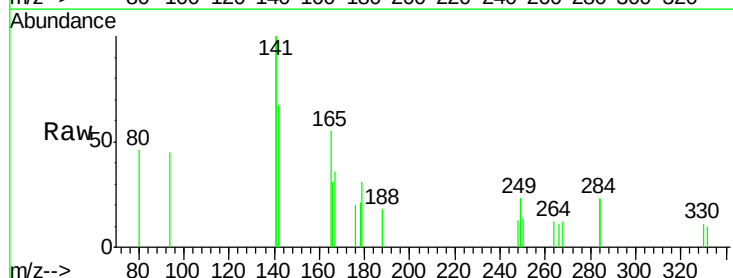
Instrument :
BNA_E
ClientSampleId :
PB85619BL

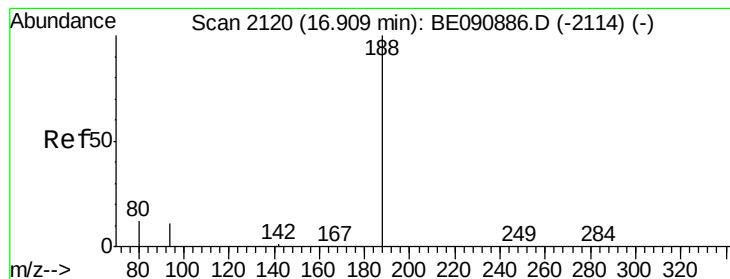
Tot Ion:172 Resp: 70924
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 24.2 19.8 29.6



#18
Fluorene
Concen: Below Cal
RT: 15.27 min Scan# 2027
Delta R.T. 0.05 min
Lab File: BE090913.D
Acq: 21 Sep 2015 10:10

Tgt Ion:166 Resp: 142
Ion Ratio Lower Upper
166 100
165 709.9 82.7 124.1#
167 180.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

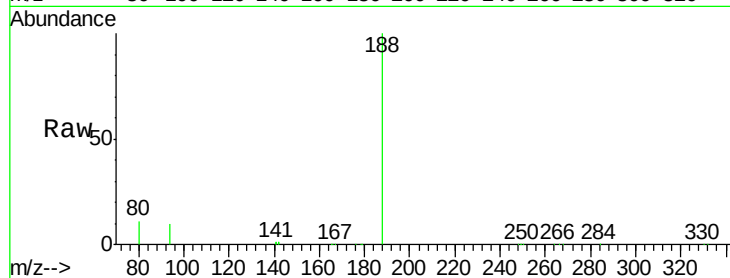
Tot Ion:188 Resp: 164626

Ion Ratio Lower Upper

188 100

94 10.1 10.3 15.5#

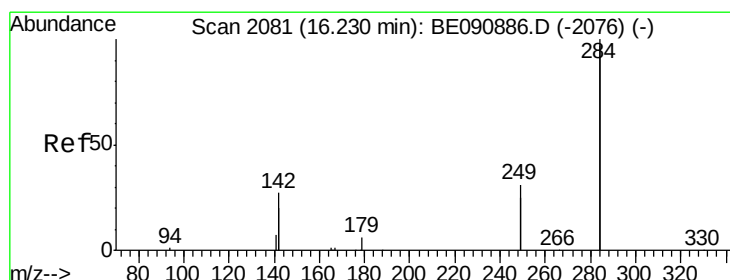
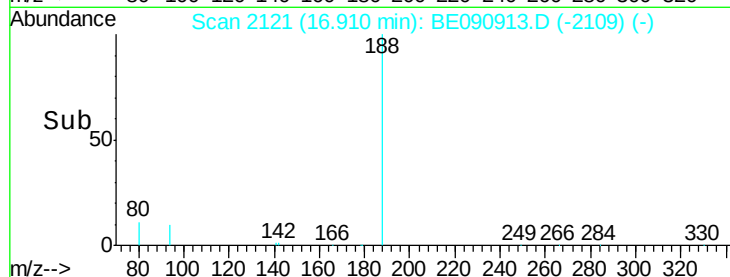
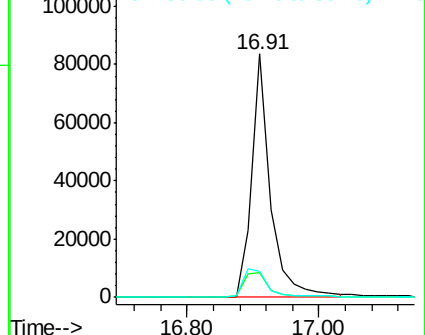
80 10.9 11.0 16.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2084

Delta R.T. 0.04 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

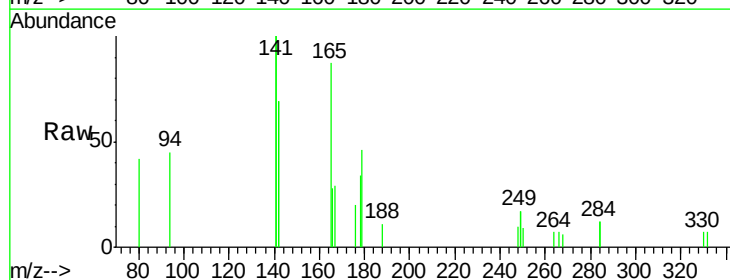
Tgt Ion:284 Resp: 25

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

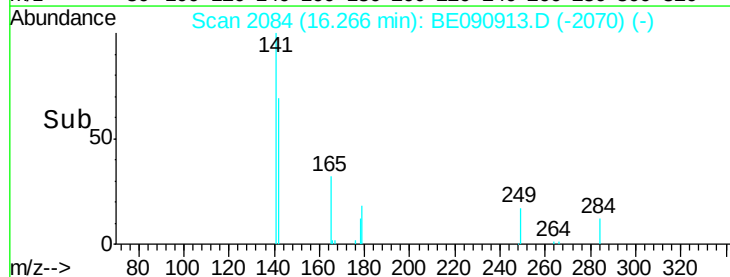
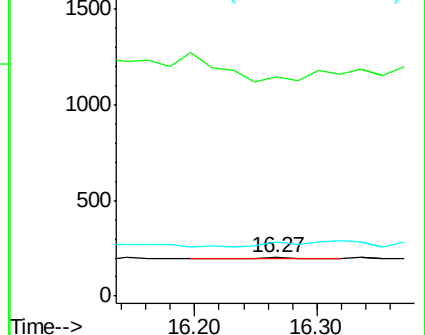
249 0.0 25.5 38.3#

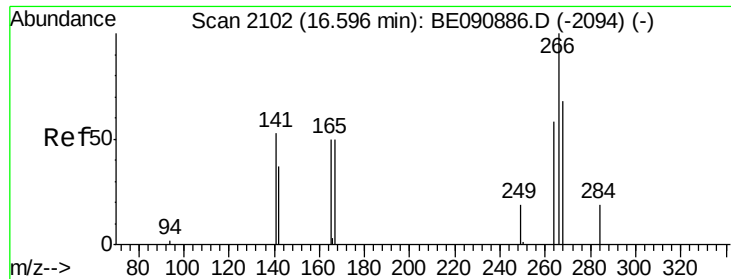


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.18 na

RT: 16.61 min Scan# 2104

Delta R.T. 0.02 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

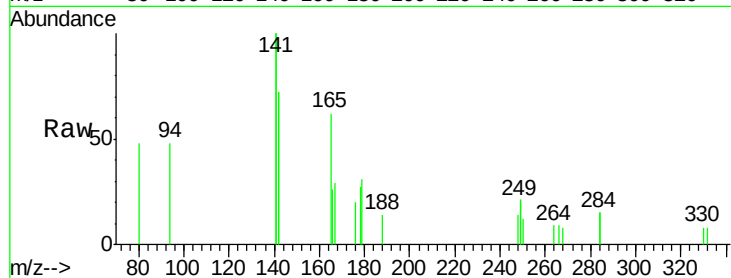
Tot Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 96.4 49.6 74.4#

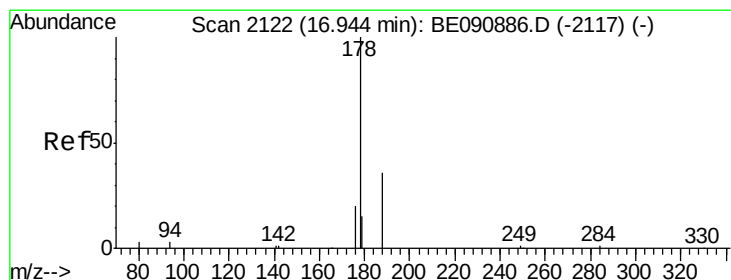
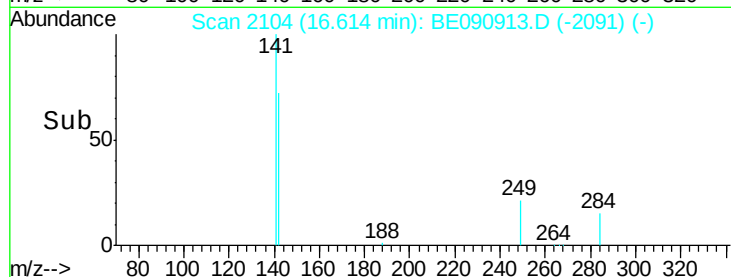
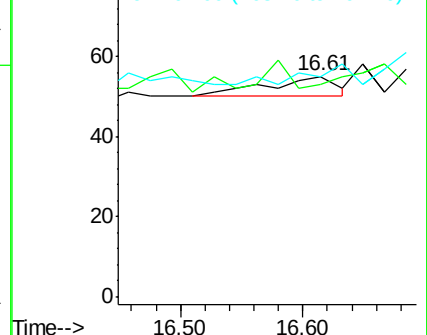
264 100.0 53.9 80.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#23

Phenanthrene

Concen: Below Cal

RT: 16.94 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

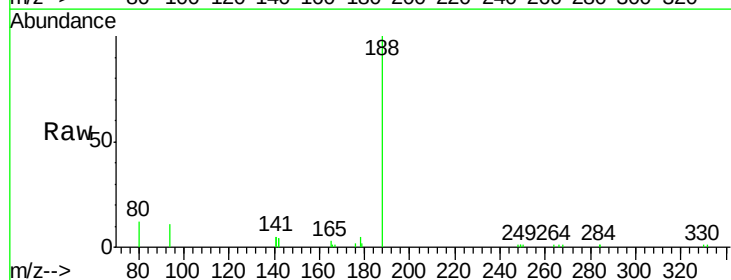
Tgt Ion:178 Resp: 813

Ion Ratio Lower Upper

178 100

176 22.3 15.6 23.4

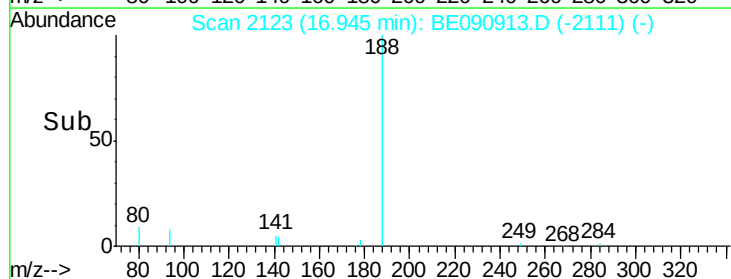
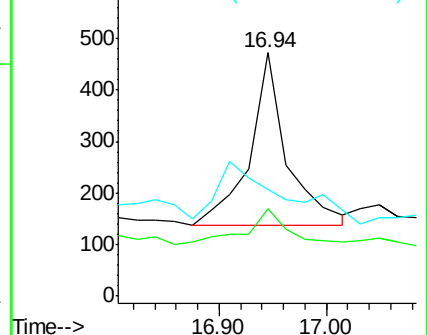
179 0.0 12.8 19.2#

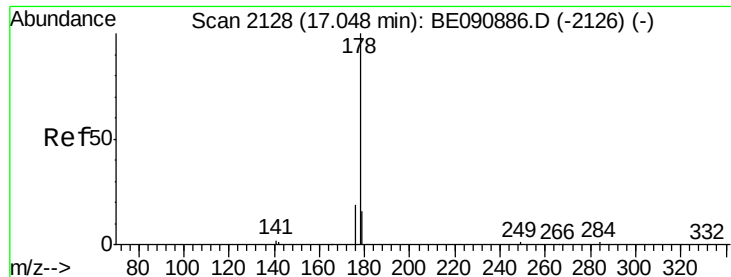


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

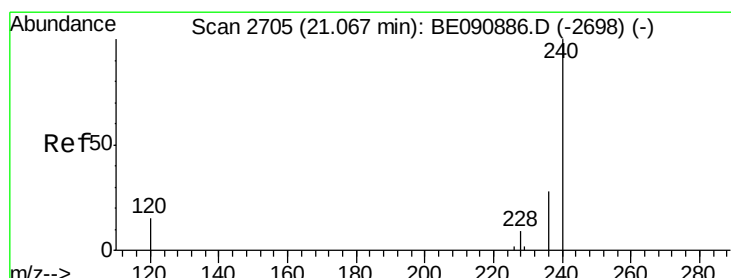
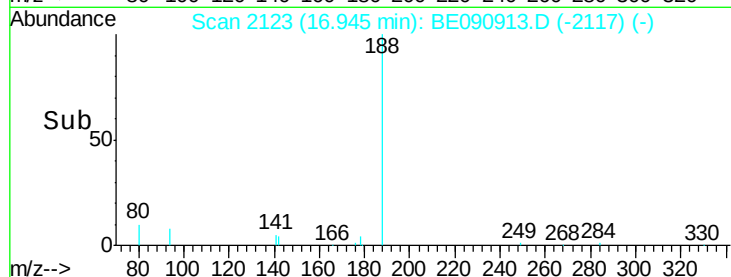
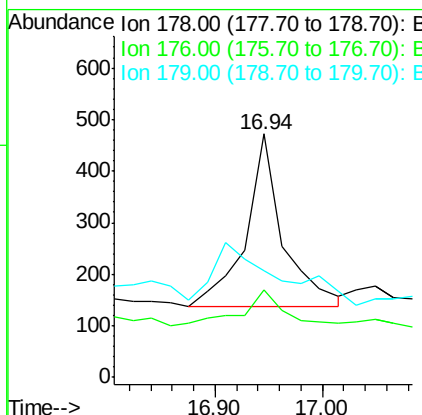
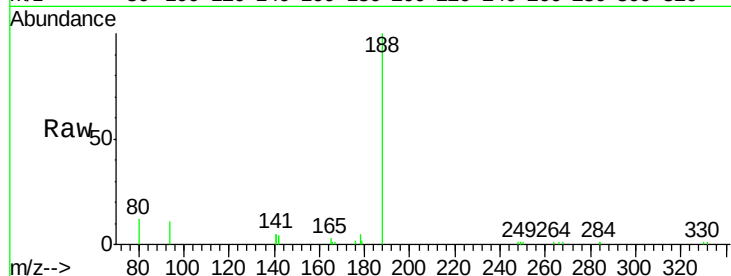




#24
 Anthracene
 Concen: 0.02 ng
 RT: 16.94 min Scan# 2123
 Delta R.T. -0.10 min
 Lab File: BE090913.D
 Acq: 21 Sep 2015 10:10

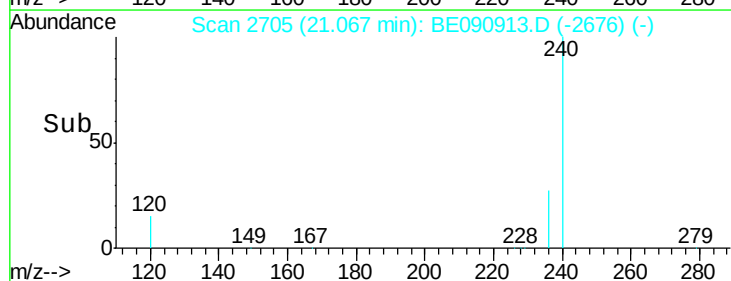
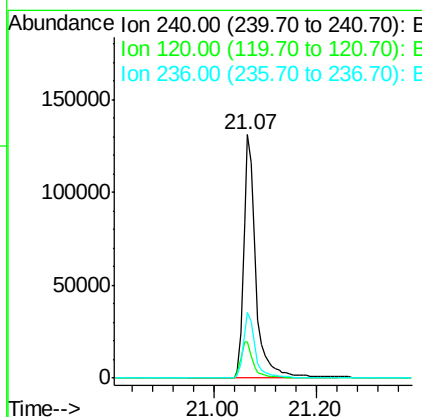
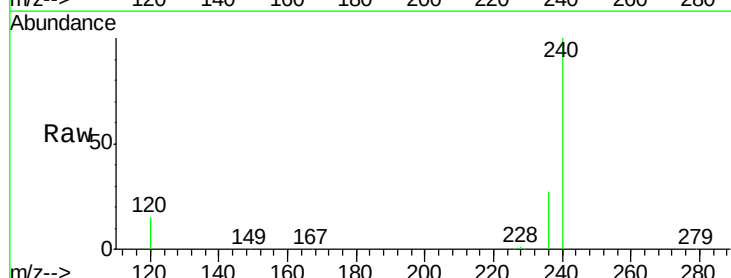
Instrument :
 BNA_E
 ClientSampleId :
 PB85619BL

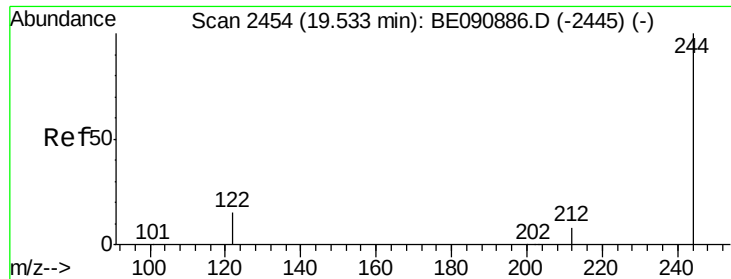
Tot Ion:178 Resp: 813
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.6
 179 0.0 12.3 18.5#



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2705
 Delta R.T. -0.00 min
 Lab File: BE090913.D
 Acq: 21 Sep 2015 10:10

Tgt Ion:240 Resp: 217381
 Ion Ratio Lower Upper
 240 100
 120 14.7 10.1 15.1
 236 27.1 21.9 32.9





#28

Terphenyl-d14

Concen: 4.74 ng

RT: 19.53 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

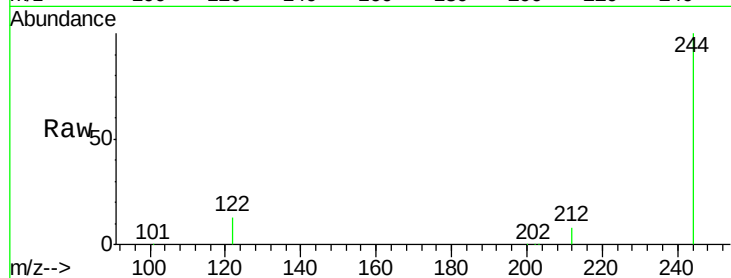
Tot Ion:244 Resp: 116637

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

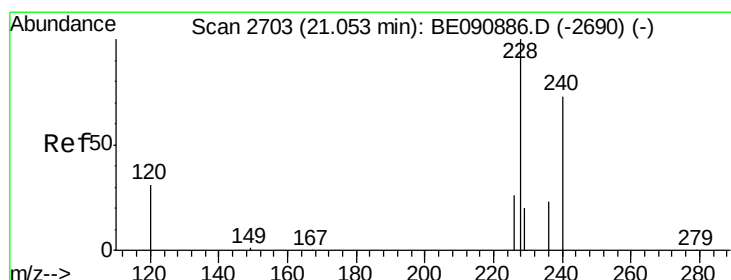
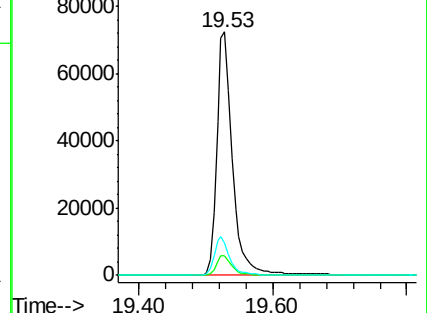
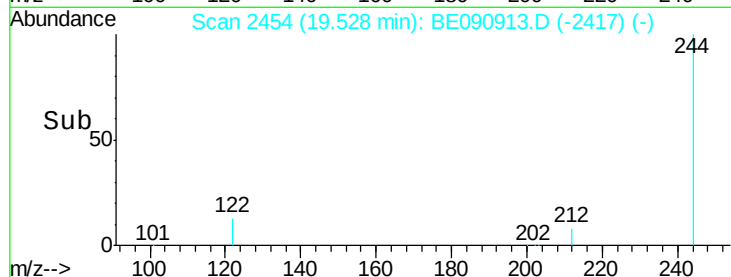
122 13.2 12.9 19.3



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



#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.06 min Scan# 2704

Delta R.T. 0.01 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

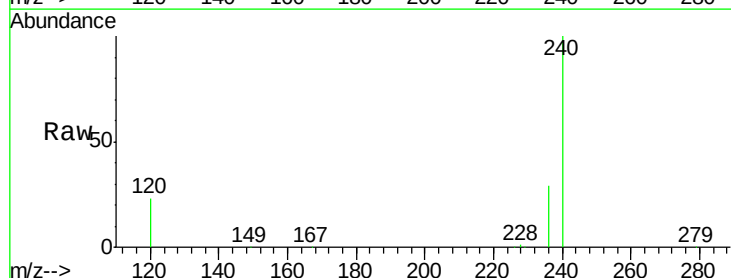
Tgt Ion:228 Resp: 1320

Ion Ratio Lower Upper

228 100

226 25.2 21.6 32.4

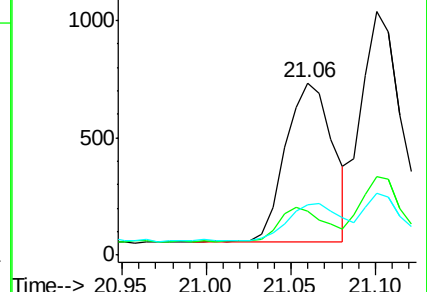
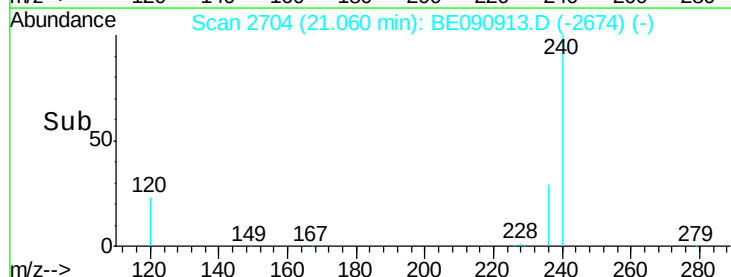
229 29.5 15.9 23.9#

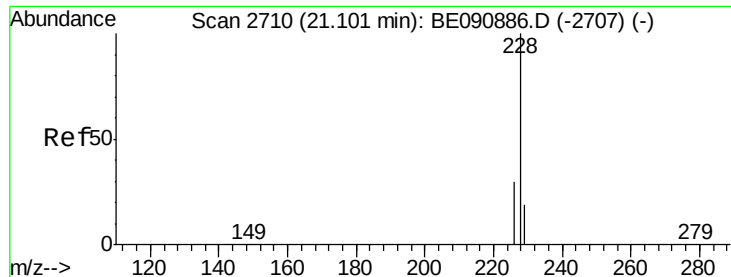


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampled :

PB85619BL

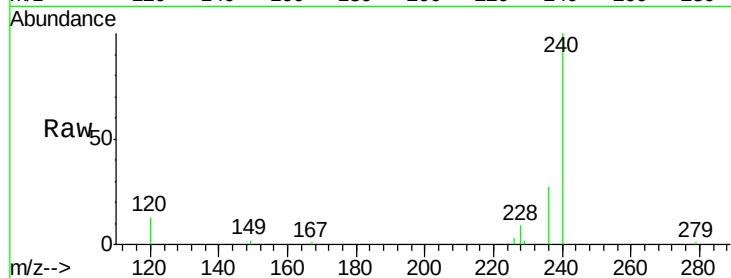
Tot Ion:228 Resp: 1738

Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.4

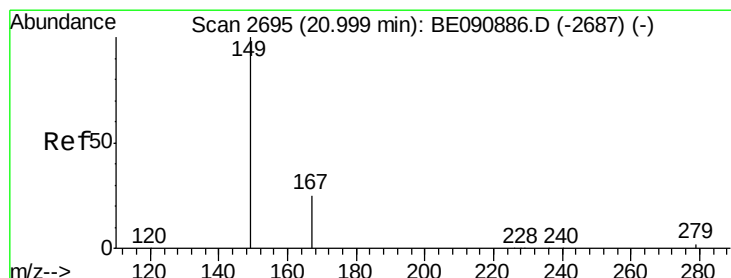
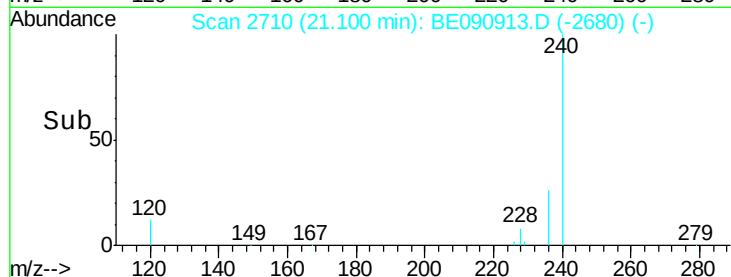
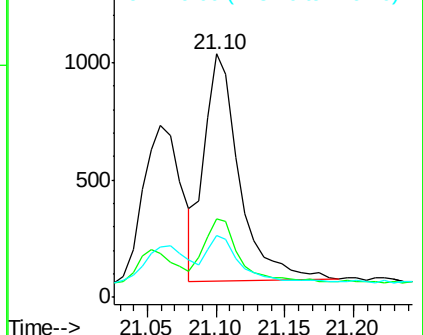
229 25.3 15.3 22.9#



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



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.00 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

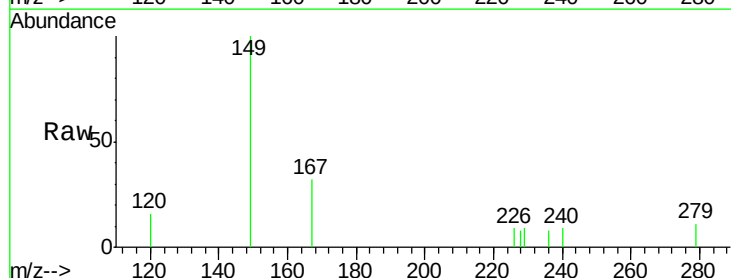
Tgt Ion:149 Resp: 639

Ion Ratio Lower Upper

149 100

167 26.1 20.1 30.1

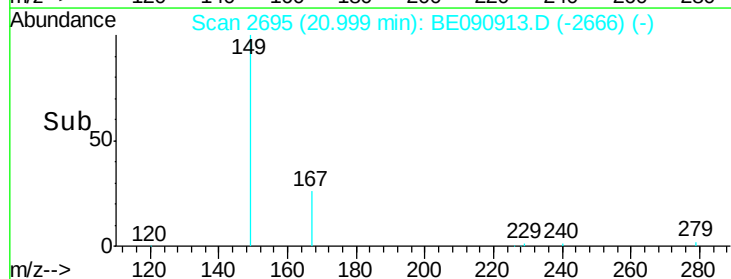
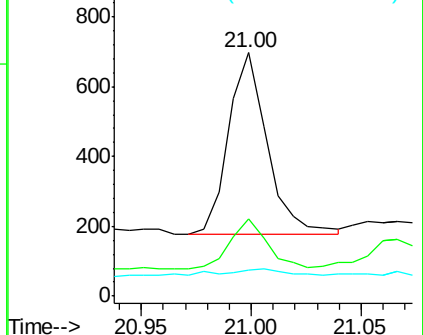
279 5.6 2.3 3.5#

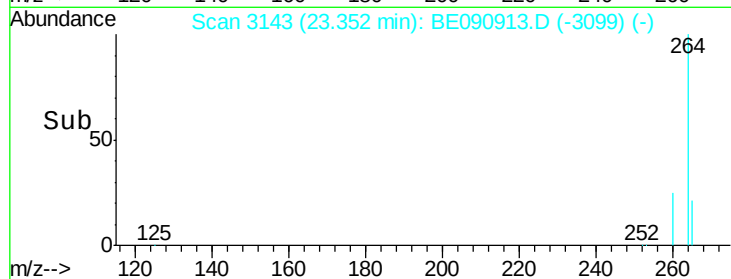
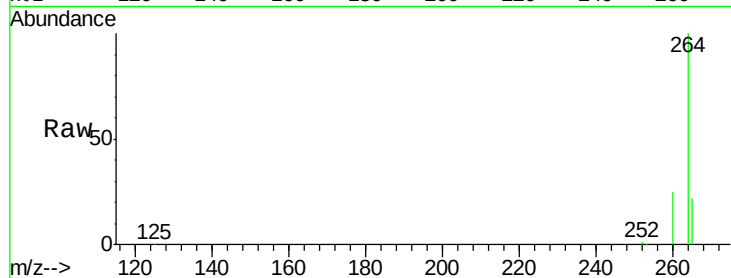
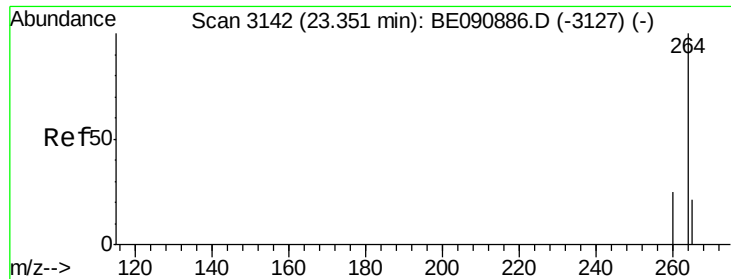


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Pervlene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BE090913.D

Acq: 21 Sep 2015 10:10

Instrument :

BNA_E

ClientSampleId :

PB85619BL

Tot Ion:264 Resp: 202089

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 21.9 17.5 26.3

