

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090929.D
 Acq On : 21 Sep 2015 21:39
 Operator : UM/IZ
 Sample : G3745-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-U-M

Quant Time: Sep 22 00:43:41 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	7.55	152	25397	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	107376	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	57486	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	145997	5.00	ng	0.00
26) Chrysene-d12	21.07	240	182966	5.00	ng	0.00
33) Perylene-d12	23.35	264	164804	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	16506	2.87	ng	0.00
5) Phenol-d6	6.77	99	12834	1.62	ng	0.01
8) Nitrobenzene-d5	8.72	82	28058	3.79	ng	0.01
14) 2,4,6-Tribromophenol	15.68	330	14857	7.32	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	69557	4.27	ng	0.00
28) Terphenyl-d14	19.52	244	134627	6.53	ng	-0.01

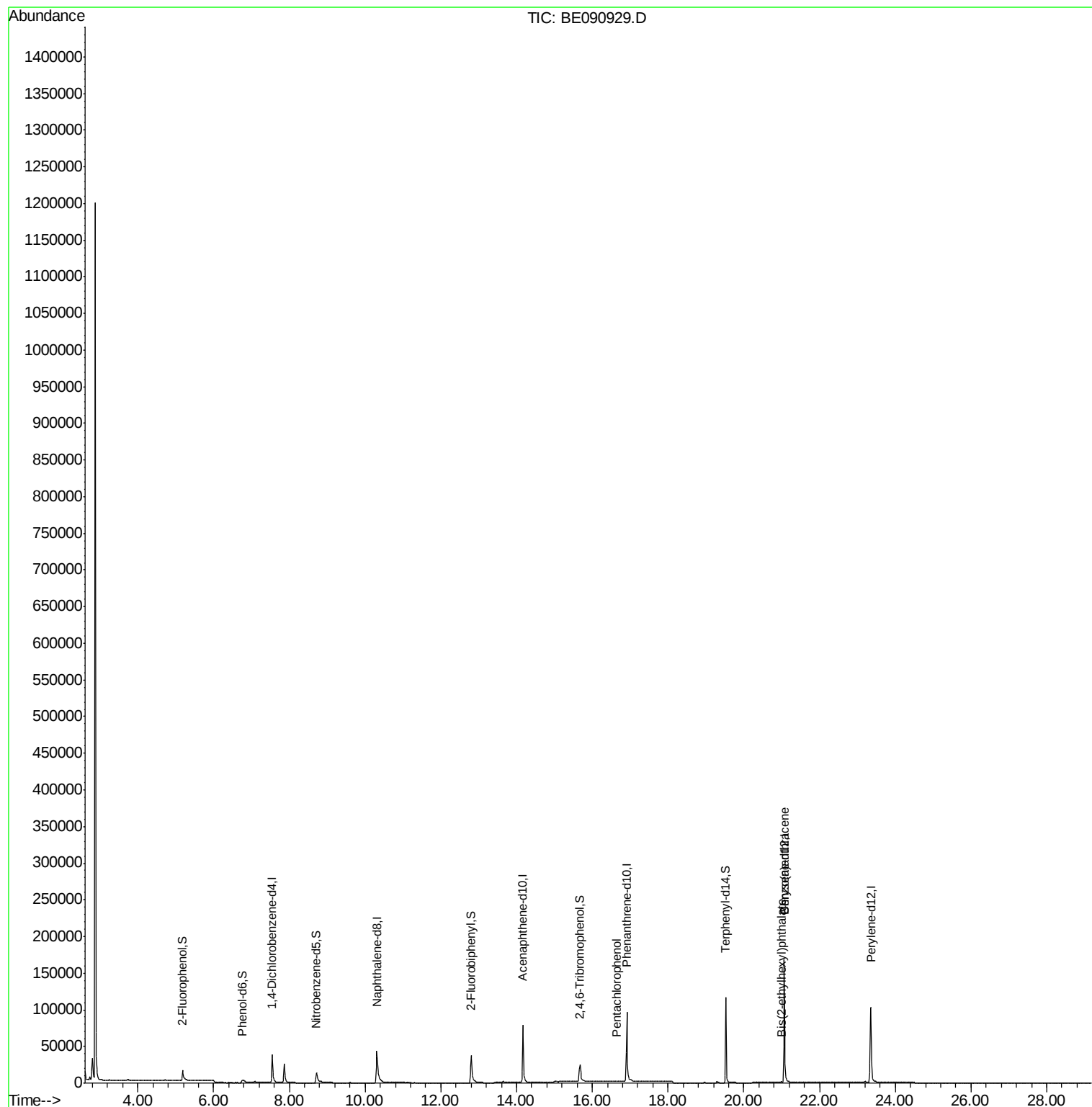
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	30	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	15	Below Cal	#	19
6) bis(2-Chloroethyl)ether	6.99	93	5	Below Cal	#	1
10) Naphthalene	10.36	128	133	Below Cal	#	1
11) Hexachlorobutadiene	10.65	225	11	Below Cal	#	41
18) Fluorene	15.22	166	133	Below Cal	#	73
21) Hexachlorobenzene	16.23	284	138	Below Cal	#	1
22) Pentachlorophenol	16.63	266	24	0.19 ng	#	62
23) Phenanthrene	16.95	178	779	Below Cal	#	73
29) Benzo(a)anthracene	21.06	228	908	0.02 ng	#	75
30) Chrysene	21.10	228	515	Below Cal	#	69
31) Bis(2-ethylhexyl)phthalate	20.99	149	1723	0.25 ng		96

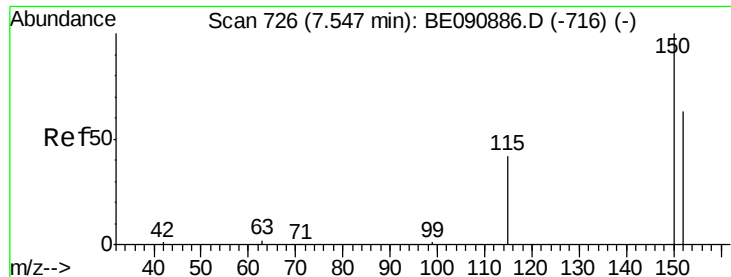
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE090929.D

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Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

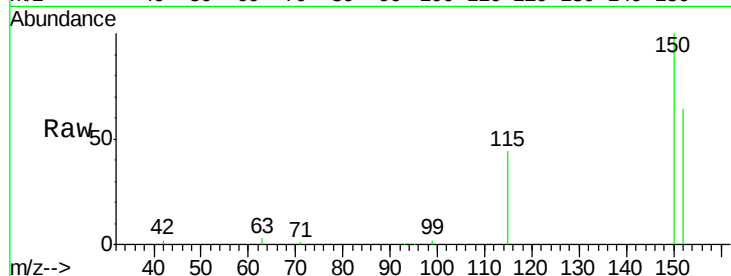
Tot Ion:152 Resp: 25397

Ion Ratio Lower Upper

152 100

150 155.1 122.2 183.4

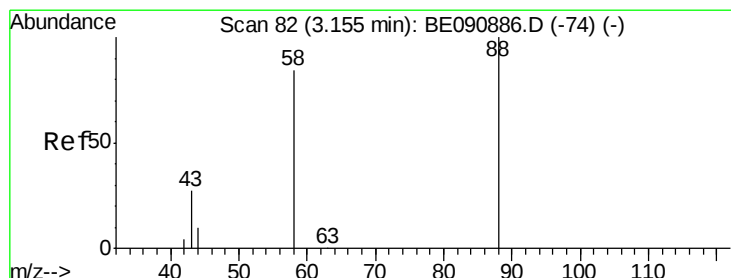
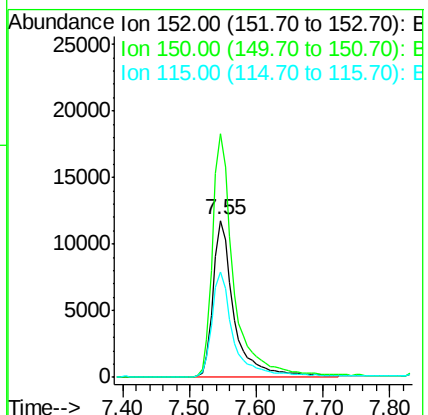
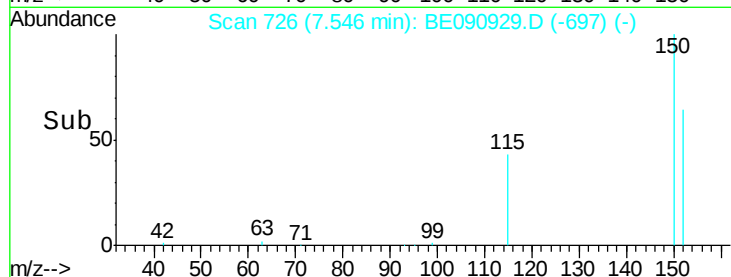
115 67.5 51.0 76.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.24 min Scan# 94

Delta R.T. 0.08 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

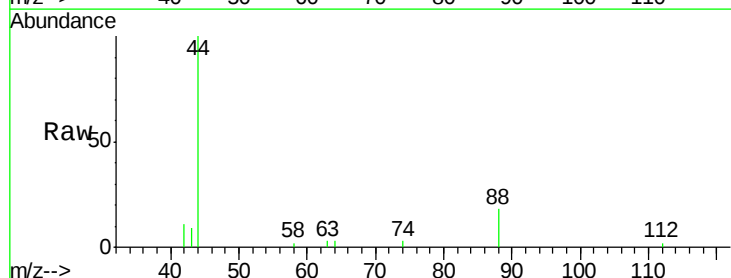
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

58 43.3 68.4 102.6#

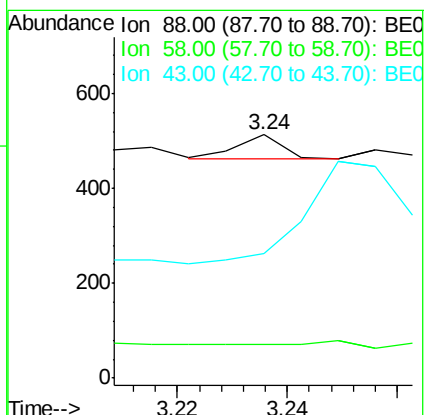
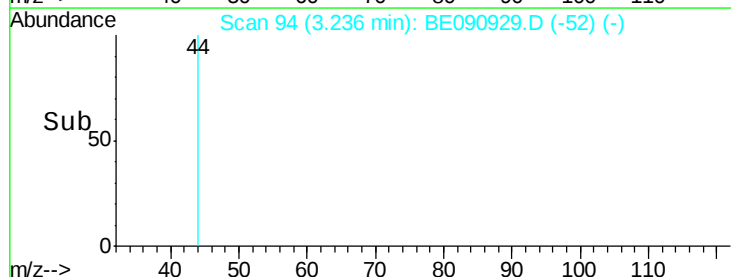
43 1143.3 26.9 40.3#

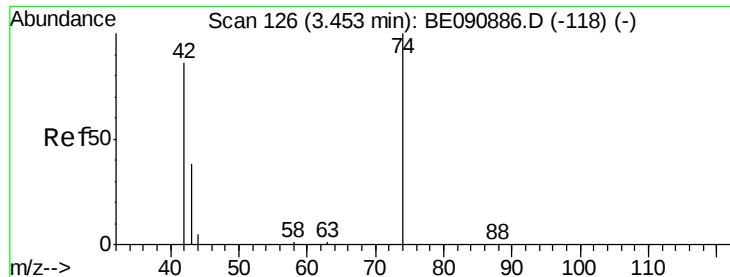


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



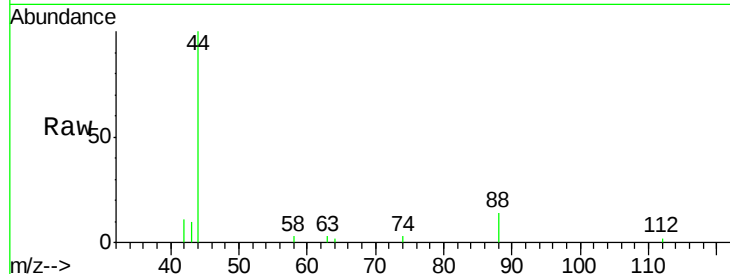


#3

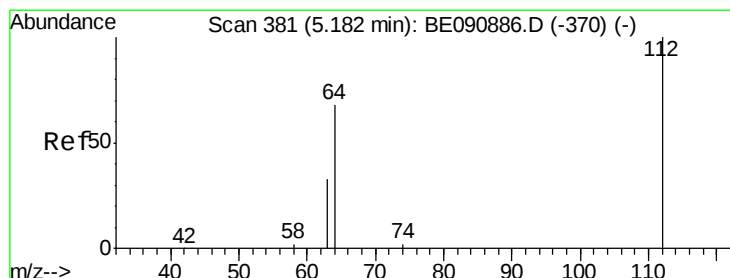
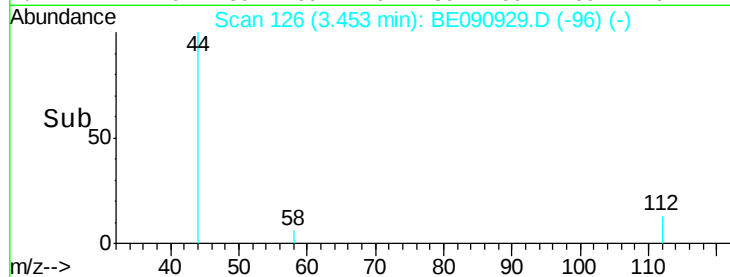
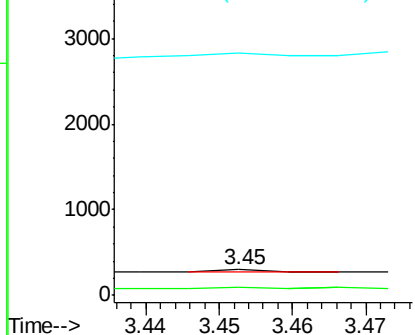
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-U-M

Tot Ion: 42 Resp: 15
 Ion Ratio Lower Upper
 42 100
 74 53.3 83.7 125.5#
 44 146.7 10.0 15.0#



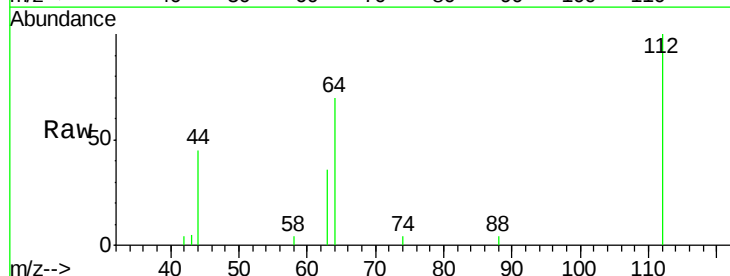
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



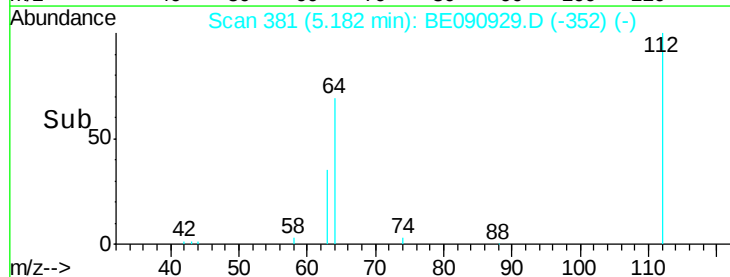
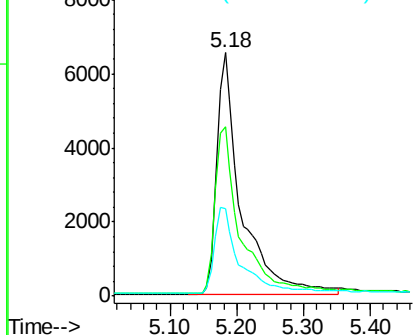
#4

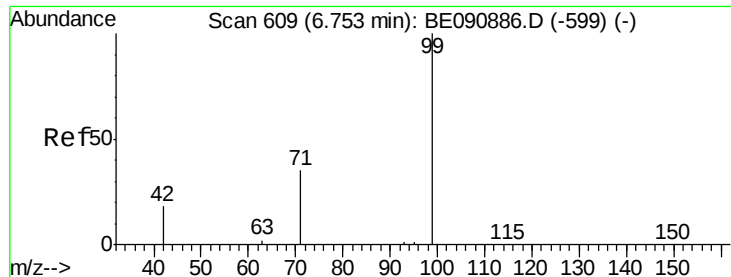
2-Fluorophenol
 Concen: 2.87 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

Tgt Ion: 112 Resp: 16506
 Ion Ratio Lower Upper
 112 100
 64 72.0 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: 1.62 ng

RT: 6.77 min Scan# 611

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

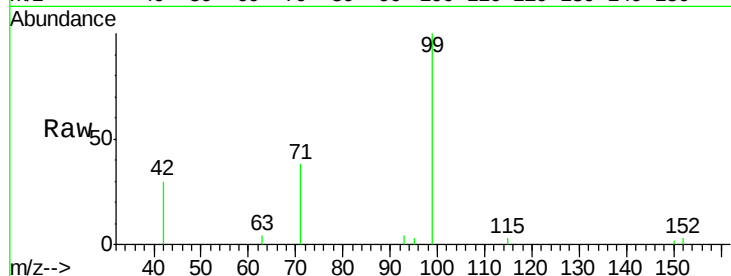
Tot Ion: 99 Resp: 12834

Ion Ratio Lower Upper

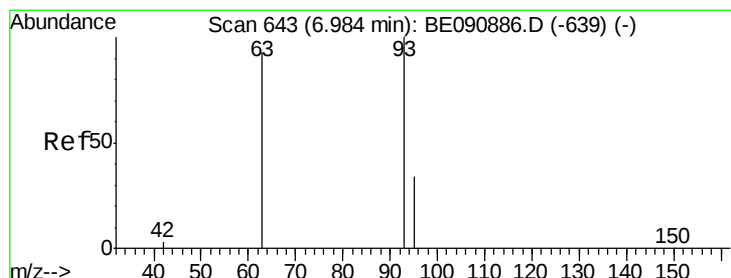
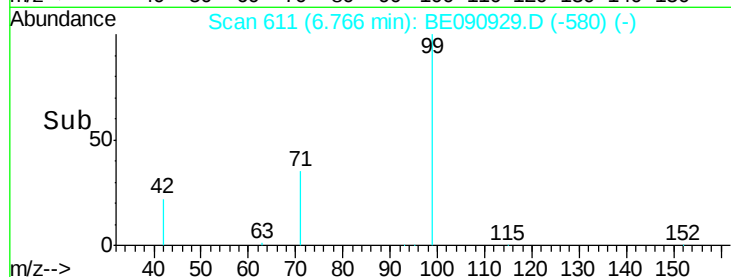
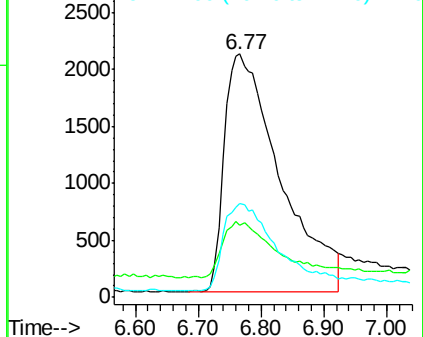
99 100

42 22.9 16.8 25.2

71 37.1 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: 6.99 min Scan# 644

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

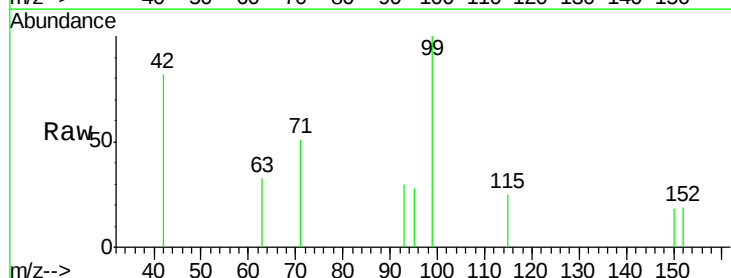
Tgt Ion: 93 Resp: 5

Ion Ratio Lower Upper

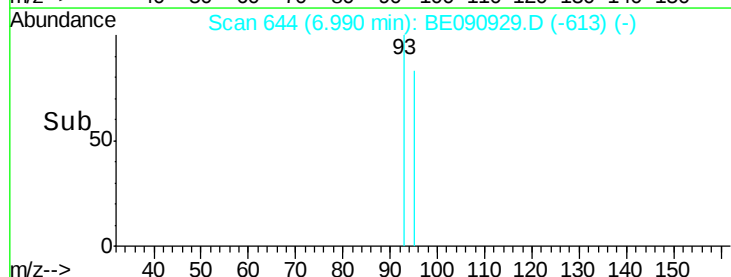
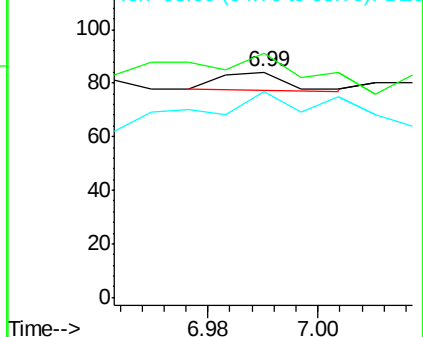
93 100

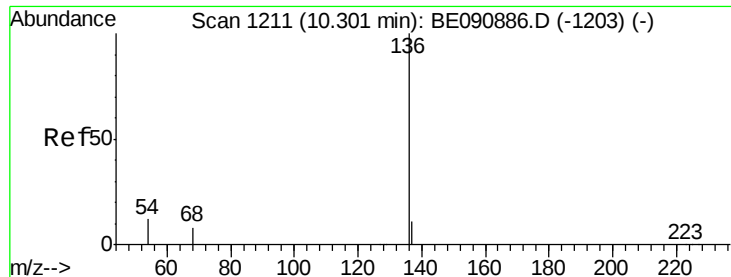
63 620.0 68.5 102.7#

95 420.0 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: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

Tot Ion:136 Resp: 107376

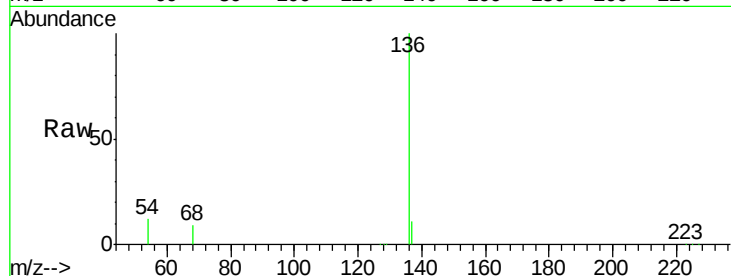
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 12.1 9.0 13.6

68 8.5 6.3 9.5

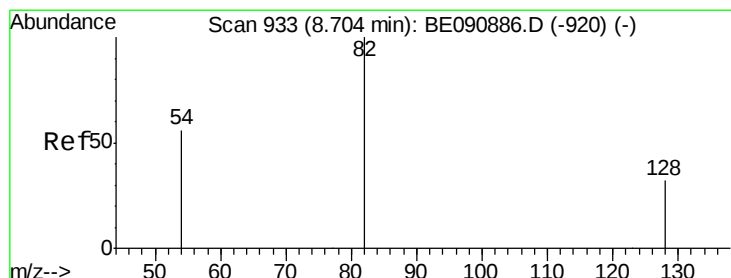
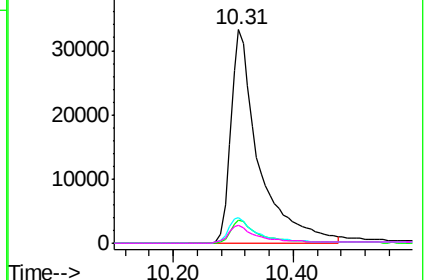
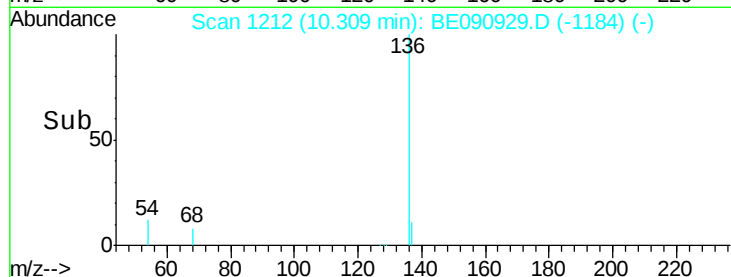


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.79 ng

RT: 8.72 min Scan# 936

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

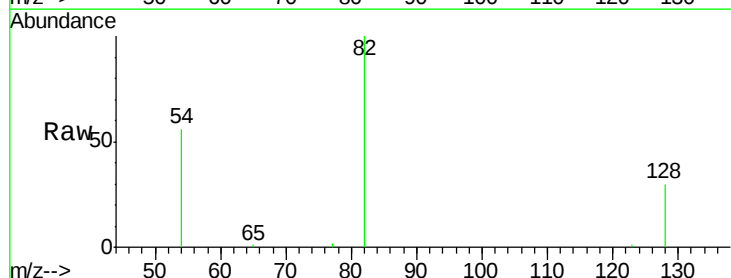
Tgt Ion: 82 Resp: 28058

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.4

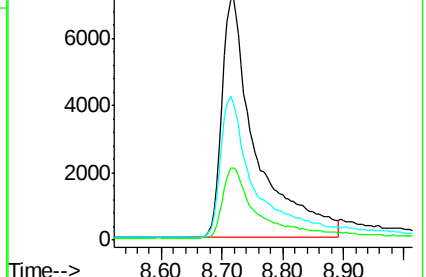
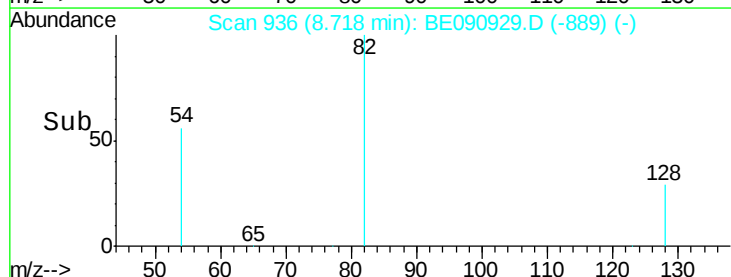
54 56.5 46.3 69.5

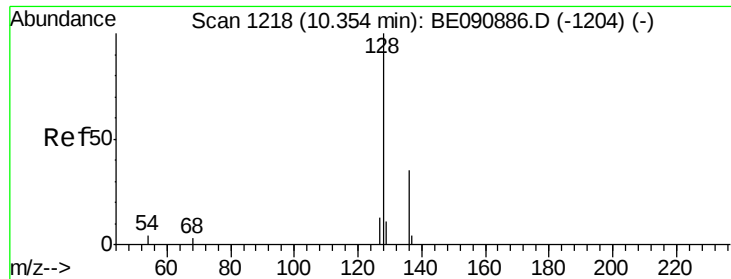


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: Below Cal

RT: 10.36 min Scan# 1219

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

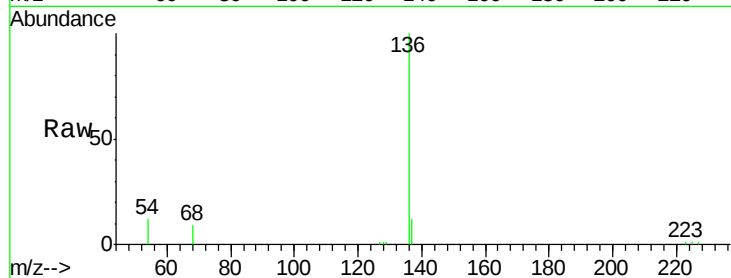
Tot Ion:128 Resp: 133

Ion Ratio Lower Upper

128 100

129 62.7 8.4 12.6#

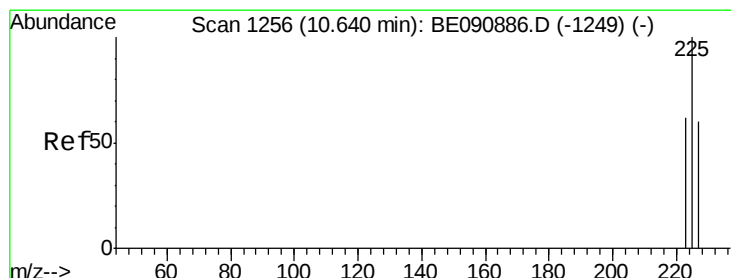
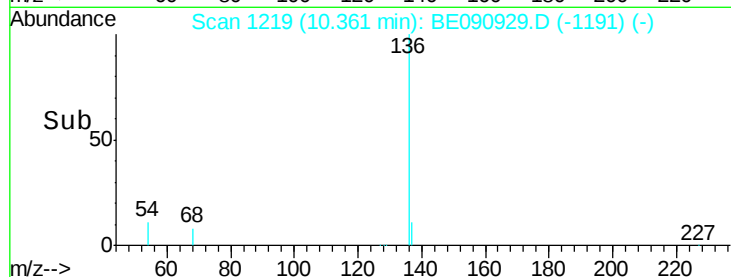
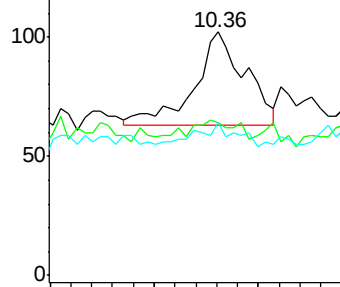
127 62.7 9.9 14.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.65 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

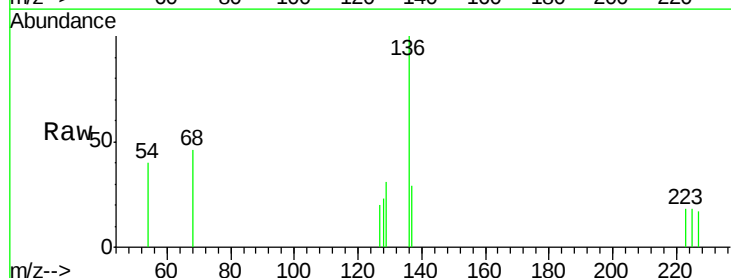
Tgt Ion:225 Resp: 11

Ion Ratio Lower Upper

225 100

223 90.9 50.6 76.0#

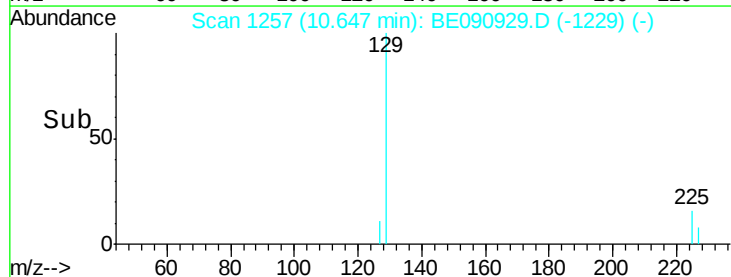
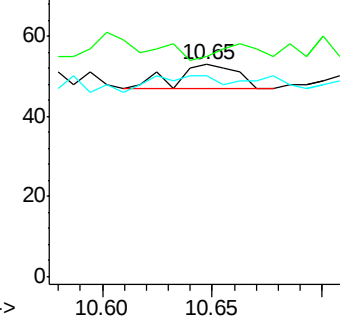
227 0.0 51.0 76.6#

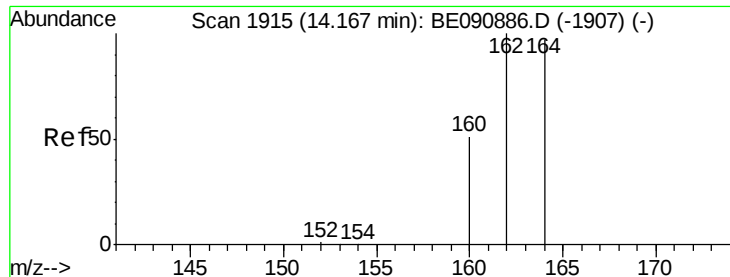


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

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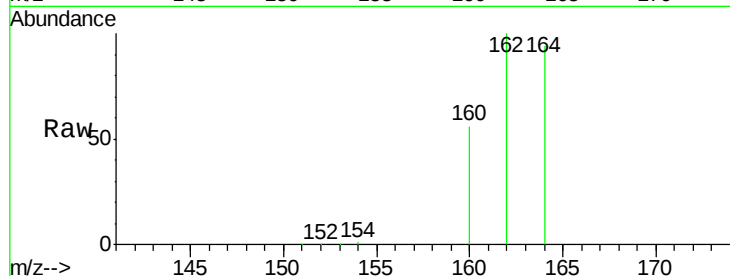
Tot Ion:164 Resp: 57486

Ion Ratio Lower Upper

164 100

162 106.3 86.8 130.2

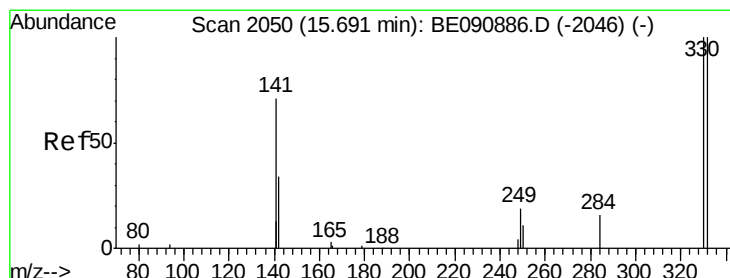
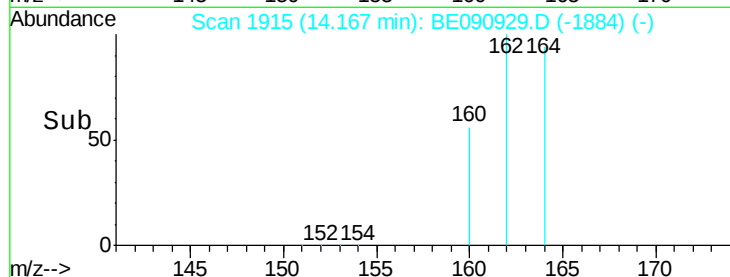
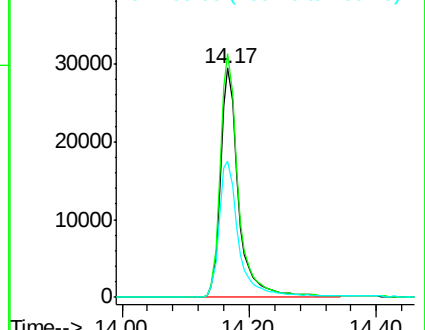
160 59.5 53.9 80.9



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



#14

2,4,6-Tribromophenol

Concen: 7.32 ng

RT: 15.68 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

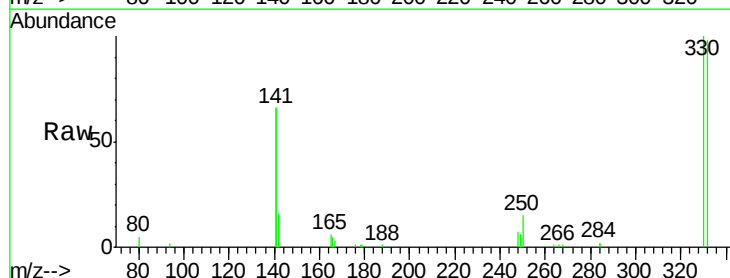
Tgt Ion:330 Resp: 14857

Ion Ratio Lower Upper

330 100

332 98.0 74.9 112.3

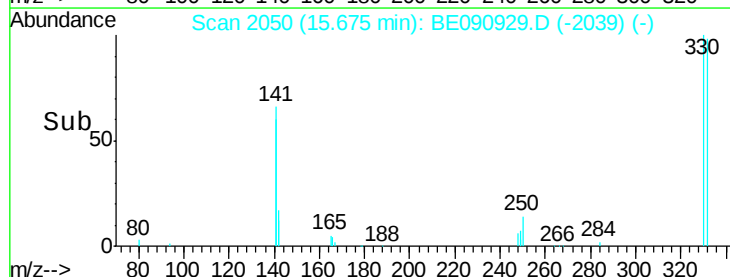
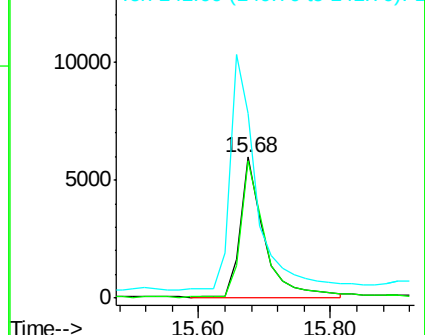
141 184.6 145.2 217.8

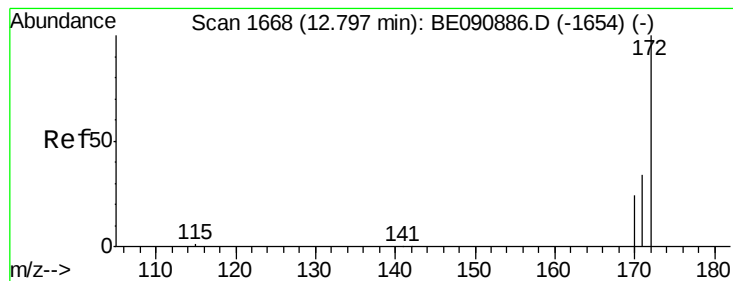


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

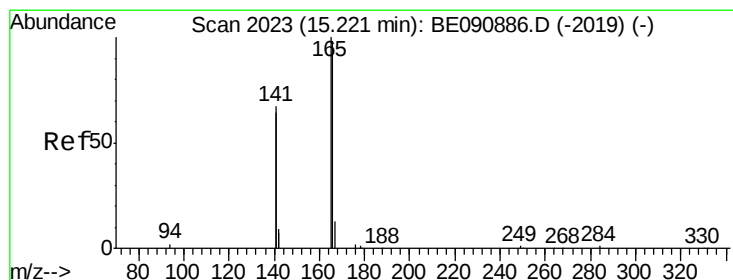
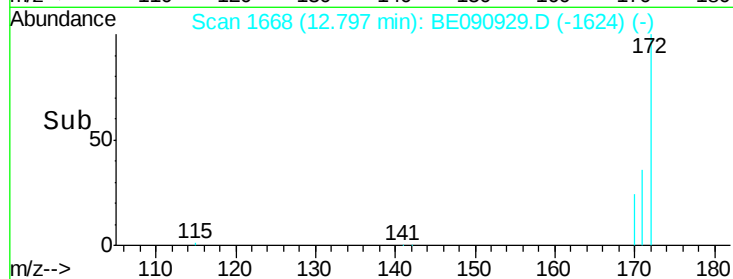
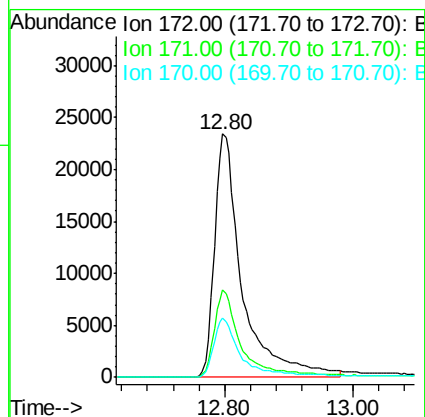
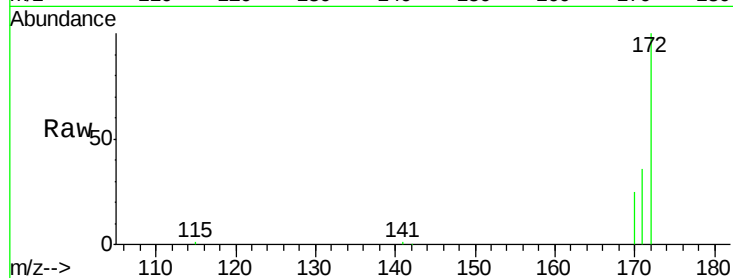




#15
2-Fluorobiphenyl
Concen: 4.27 ng
RT: 12.80 min Scan# 1668
Delta R.T. 0.00 min
Lab File: BE090929.D
Acq: 21 Sep 2015 21:39

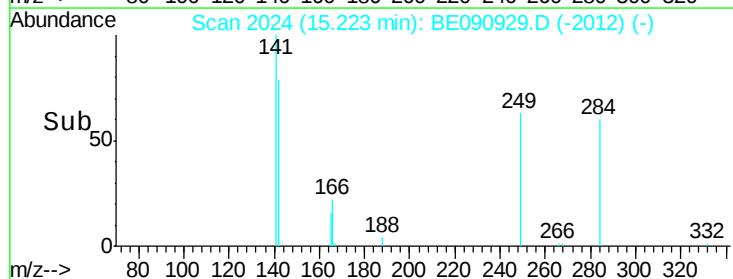
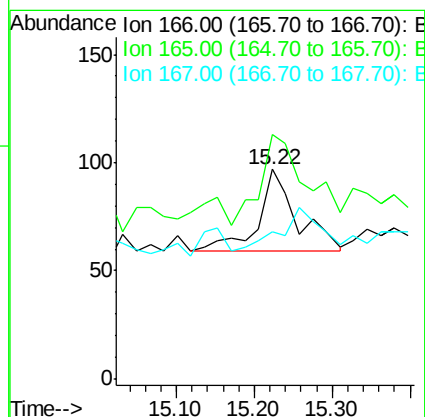
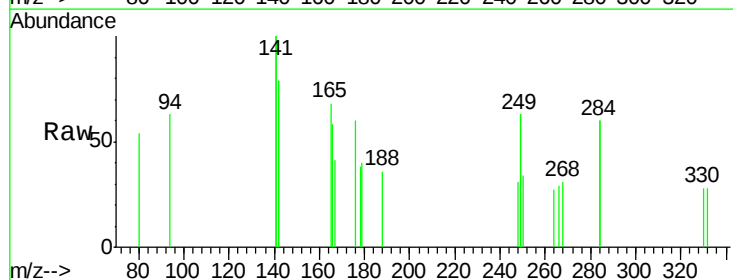
Instrument :
BNA_E
ClientSampleId :
091715-D534-F-U-M

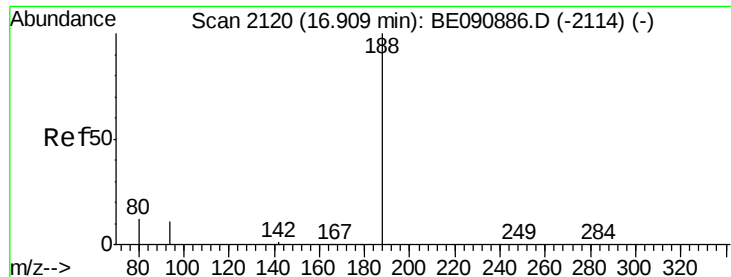
Tot Ion:172 Resp: 69557
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.8
170 24.5 19.8 29.6



#18
Fluorene
Concen: Below Cal
RT: 15.22 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BE090929.D
Acq: 21 Sep 2015 21:39

Tgt Ion:166 Resp: 133
Ion Ratio Lower Upper
166 100
165 130.1 82.7 124.1#
167 0.0 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: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

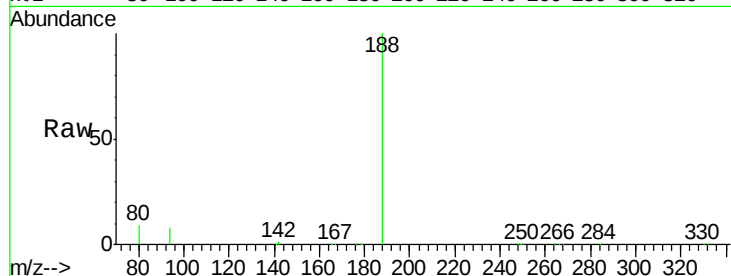
Tot Ion:188 Resp: 145997

Ion Ratio Lower Upper

188 100

94 8.4 10.3 15.5#

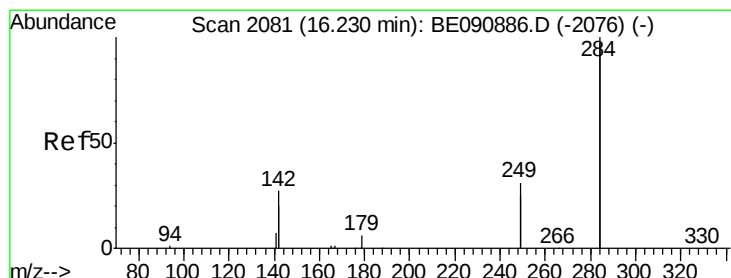
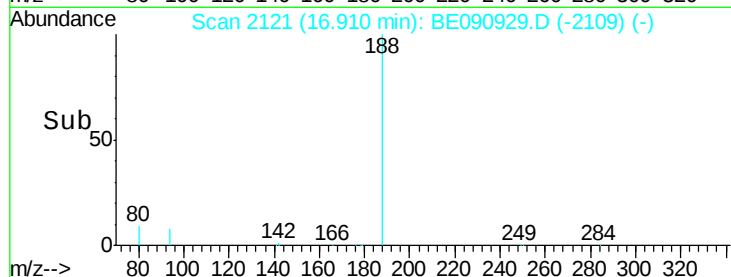
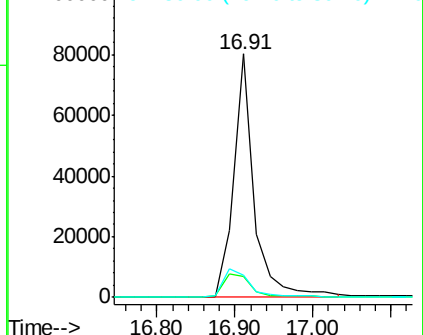
80 9.0 11.0 16.6#



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: 16.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

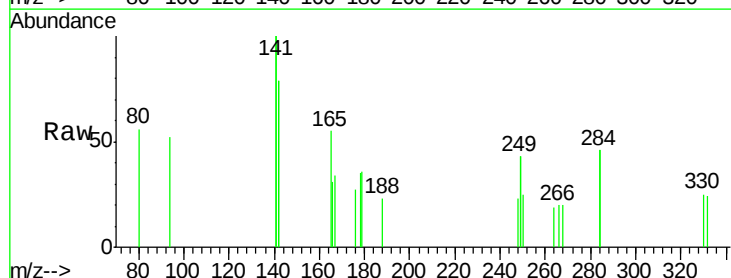
Tgt Ion:284 Resp: 138

Ion Ratio Lower Upper

284 100

142 193.5 35.0 52.4#

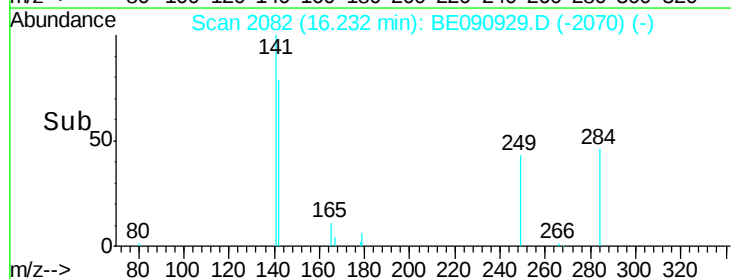
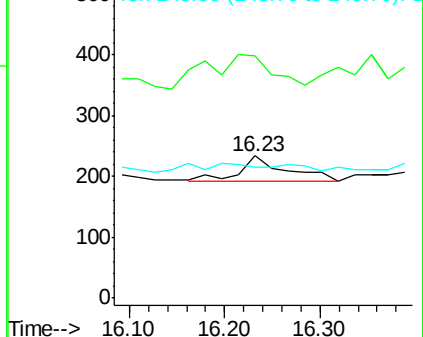
249 0.0 25.5 38.3#

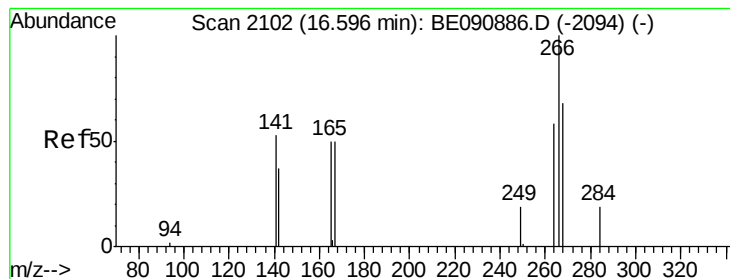


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.19 na

RT: 16.63 min Scan# 2105

Delta R.T. 0.04 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

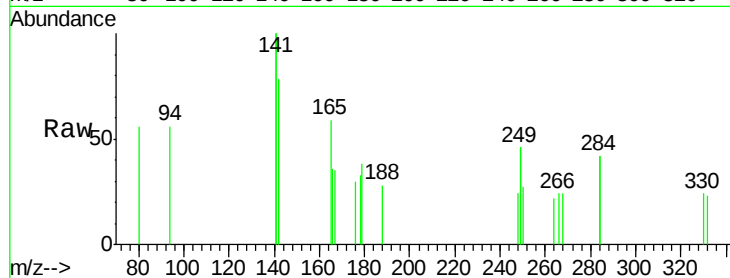
Tot Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

268 98.2 49.6 74.4#

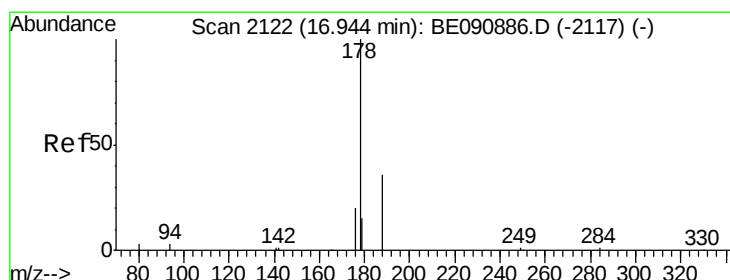
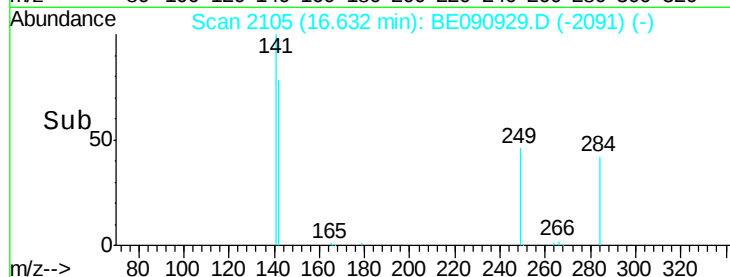
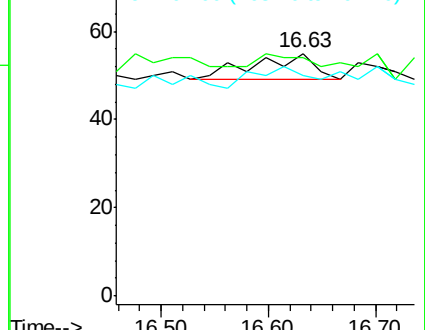
264 90.9 53.9 80.9#



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: 16.95 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

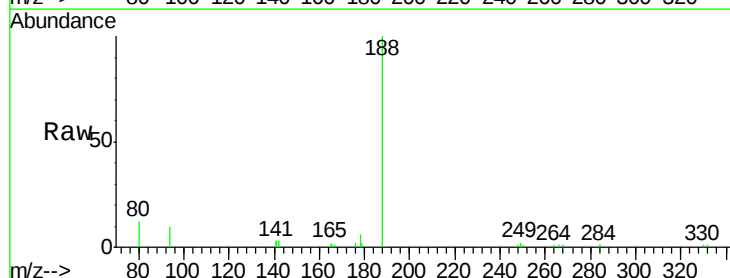
Tgt Ion:178 Resp: 779

Ion Ratio Lower Upper

178 100

176 23.4 15.6 23.4

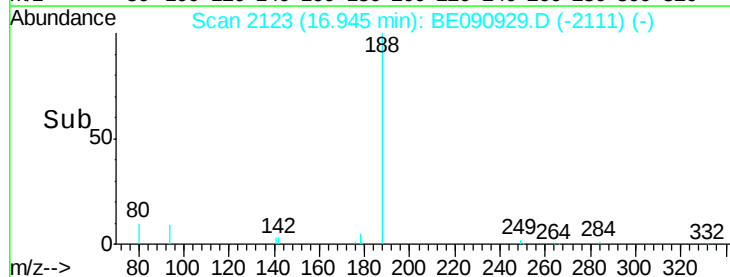
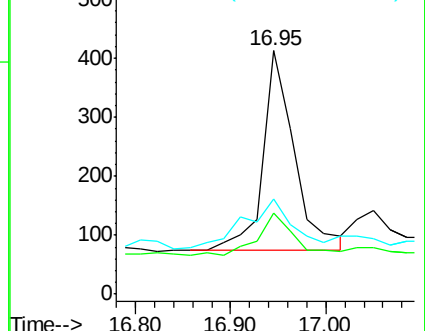
179 37.5 12.8 19.2#

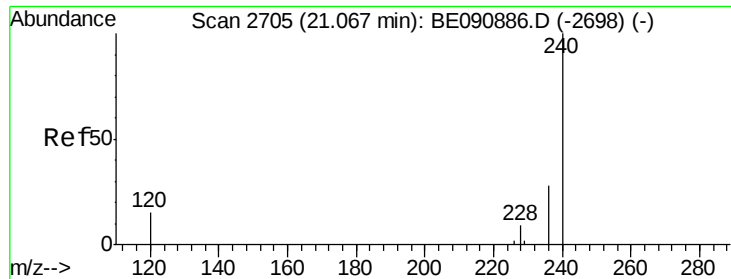


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

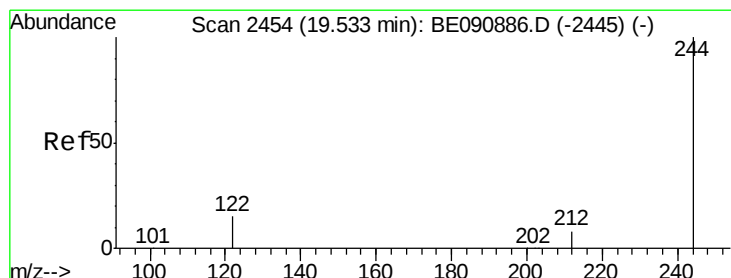
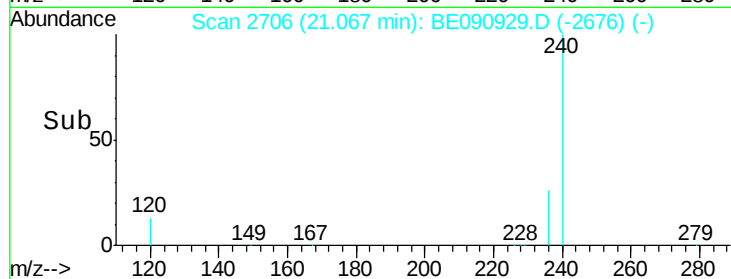
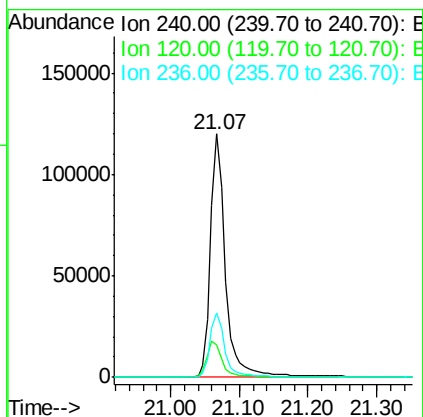
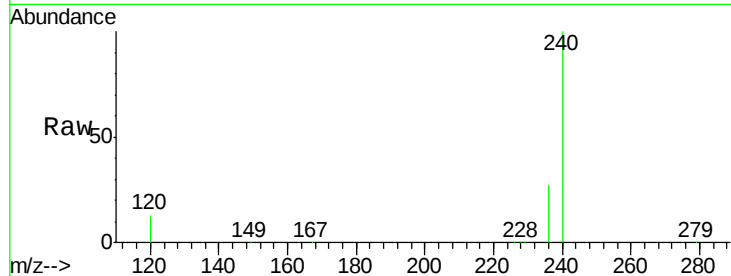




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2706
 Delta R.T. 0.00 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

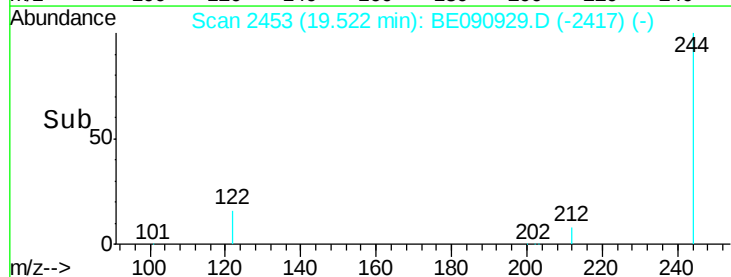
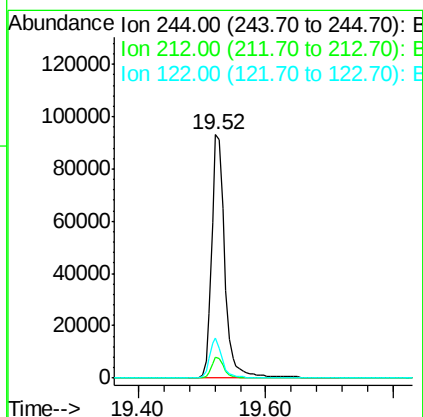
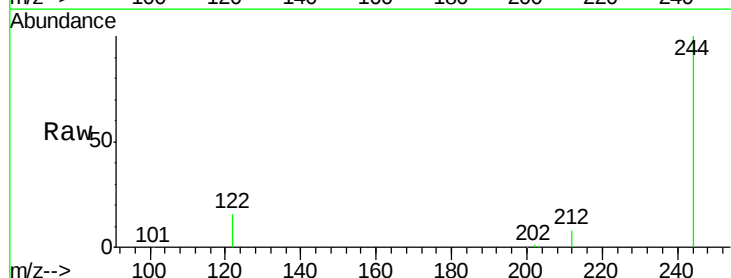
Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-U-M

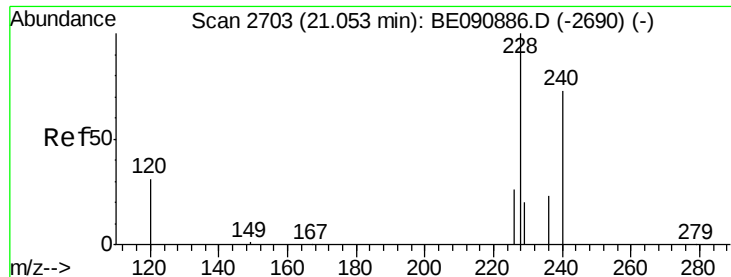
Tot Ion:240 Resp: 182966
 Ion Ratio Lower Upper
 240 100
 120 13.2 10.1 15.1
 236 26.5 21.9 32.9



#28
 Terphenyl-d14
 Concen: 6.53 ng
 RT: 19.52 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

Tgt Ion:244 Resp: 134627
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 16.3 12.9 19.3





#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.06 min Scan# 2705

Delta R.T. 0.01 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-U-M

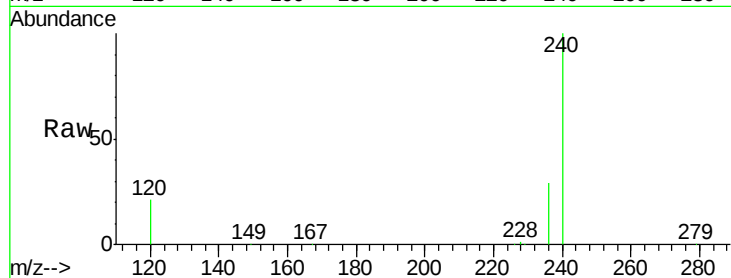
Tot Ion:228 Resp: 908

Ion Ratio Lower Upper

228 100

226 32.7 21.6 32.4#

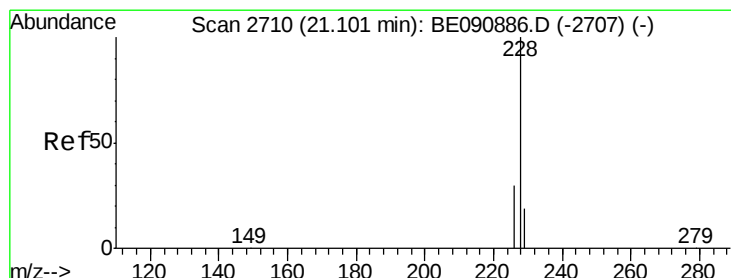
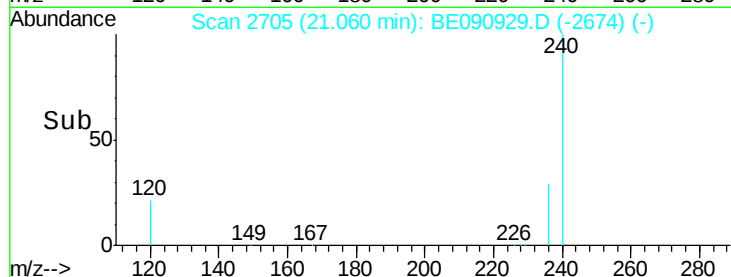
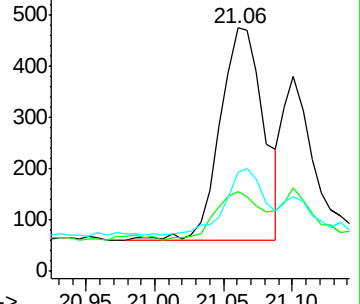
229 40.5 15.9 23.9#



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# 2711

Delta R.T. 0.00 min

Lab File: BE090929.D

Acq: 21 Sep 2015 21:39

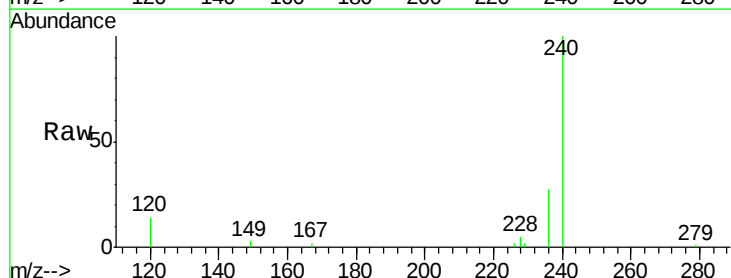
Tgt Ion:228 Resp: 515

Ion Ratio Lower Upper

228 100

226 43.2 24.2 36.4#

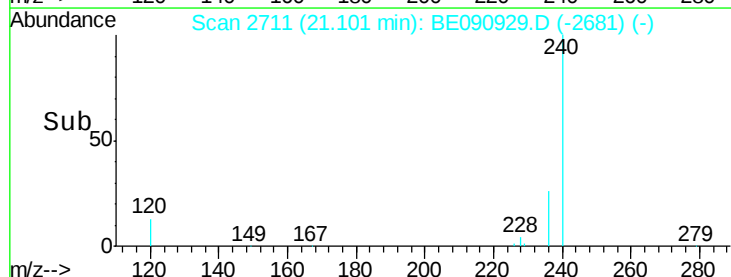
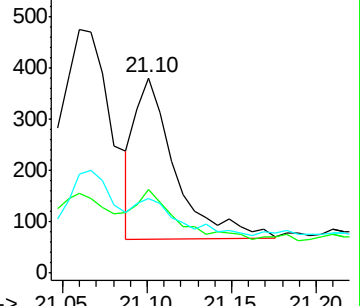
229 38.2 15.3 22.9#

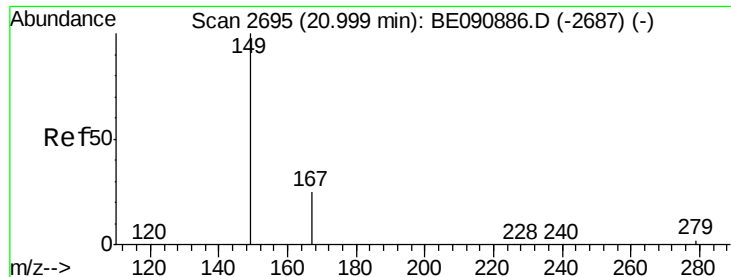


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

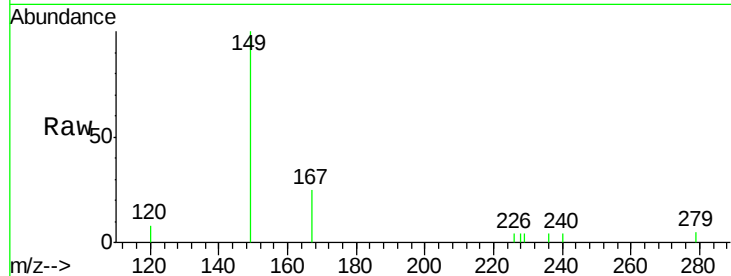




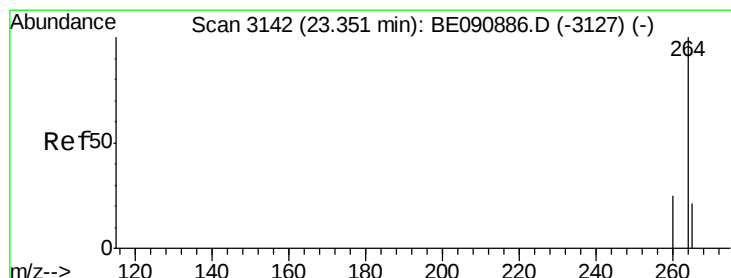
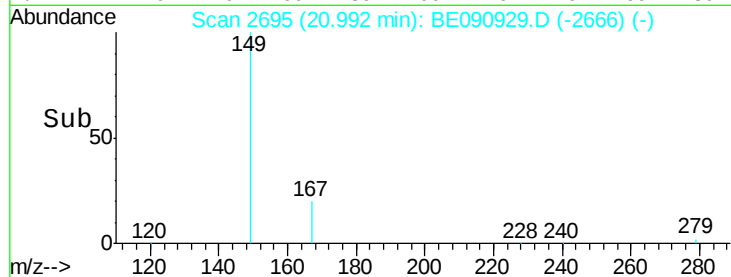
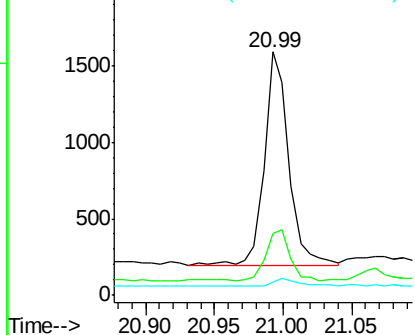
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 20.99 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

Instrument :
 BNA_E
 ClientSampleId :
 091715-D534-F-U-M

Tot Ion	Ratio	Lower	Upper
149	100		
167	22.9	20.1	30.1
279	3.3	2.3	3.5

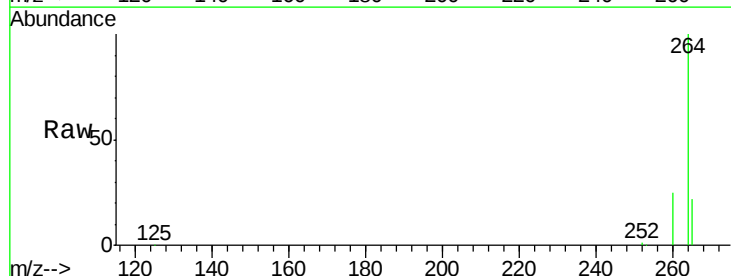


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BE090929.D
 Acq: 21 Sep 2015 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	22.0	17.5	26.3



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

