

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090932.D
 Acq On : 21 Sep 2015 23:27
 Operator : UM/IZ
 Sample : G3746-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-U-S

Quant Time: Sep 22 00:44:19 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

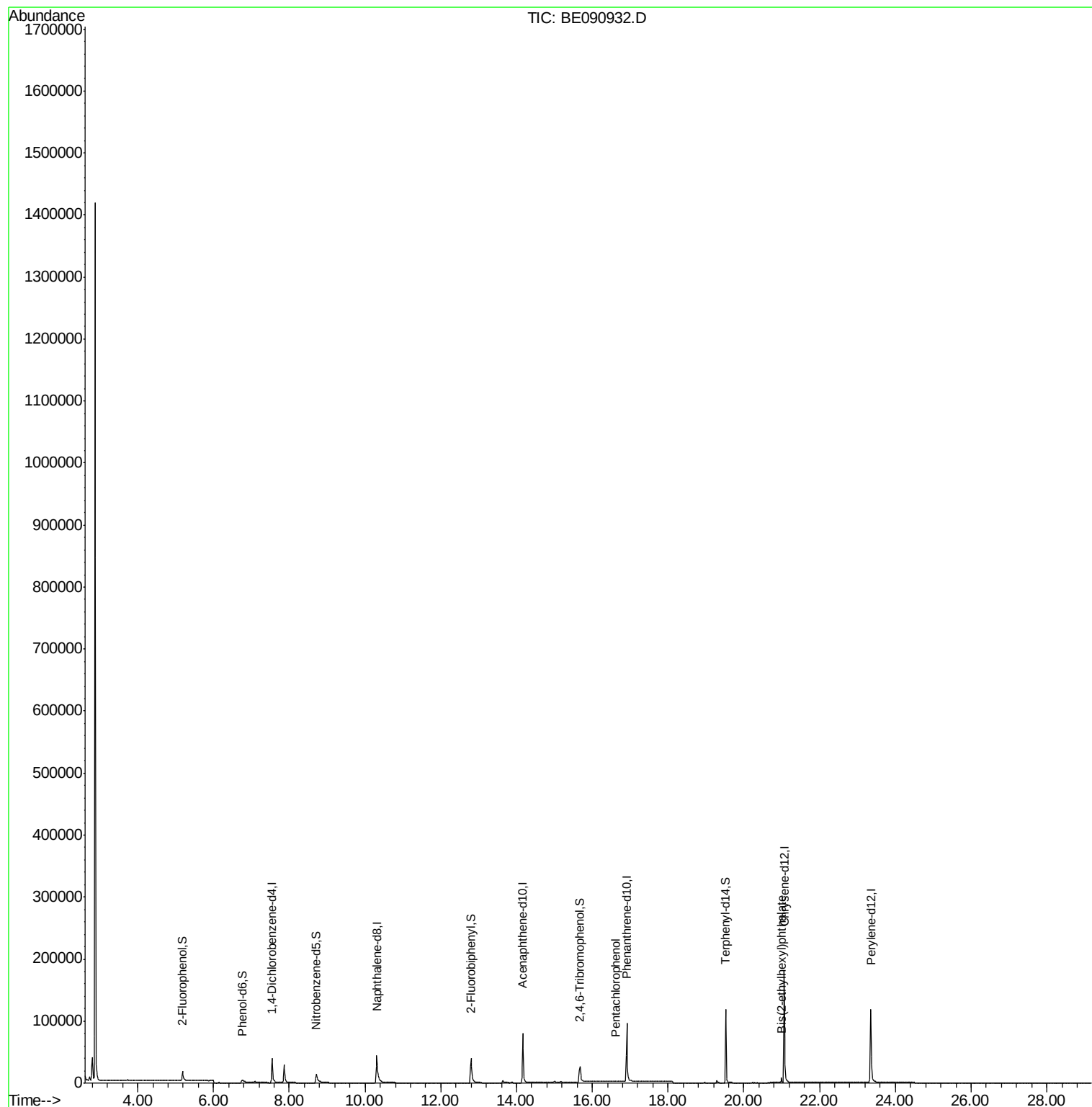
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	25043	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	105957	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	56977	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	144860	5.00	ng	0.00
26) Chrysene-d12	21.07	240	188598	5.00	ng	0.00
33) Perylene-d12	23.35	264	173755	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	18415	3.26	ng	0.00
5) Phenol-d6	6.76	99	13963	1.79	ng	0.00
8) Nitrobenzene-d5	8.72	82	29270	4.01	ng	0.01
14) 2,4,6-Tribromophenol	15.67	330	15151	7.53	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	70483	4.36	ng	0.00
28) Terphenyl-d14	19.52	244	133415	6.27	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.16	88	32	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	79	Below Cal	#	1
6) bis(2-Chloroethyl)ether	7.00	93	24	Below Cal	#	29
10) Naphthalene	10.35	128	154	Below Cal	#	1
11) Hexachlorobutadiene	10.63	225	6	Below Cal	#	1
18) Fluorene	15.22	166	127	Below Cal	#	65
21) Hexachlorobenzene	16.23	284	71	Below Cal	#	1
22) Pentachlorophenol	16.61	266	25	0.19 ng	#	63
23) Phenanthrene	16.94	178	943	Below Cal	#	77
30) Chrysene	21.11	228	537	Below Cal	#	76
31) Bis(2-ethylhexyl)phthalate	21.00	149	6830	0.48 ng	#	99

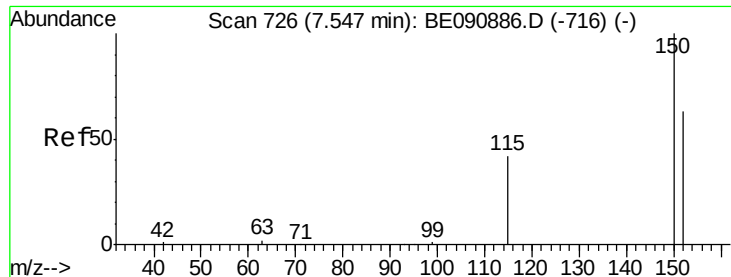
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 00:44:19 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
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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: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

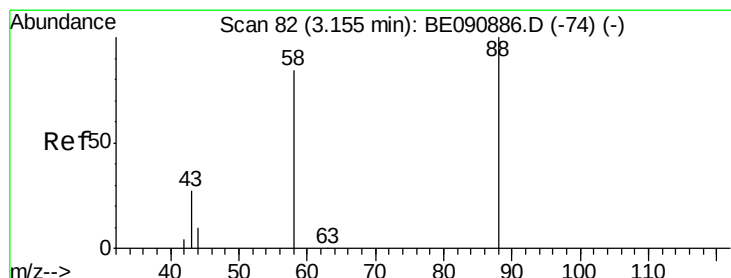
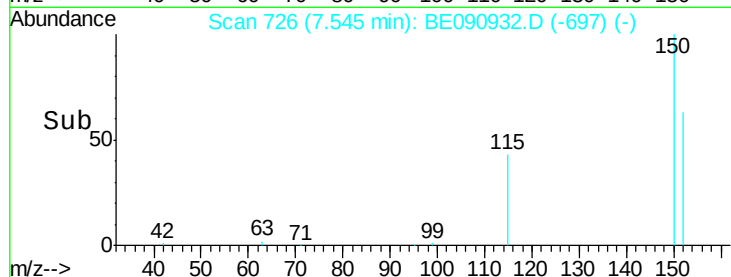
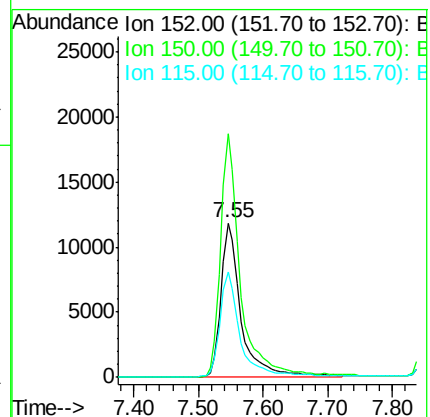
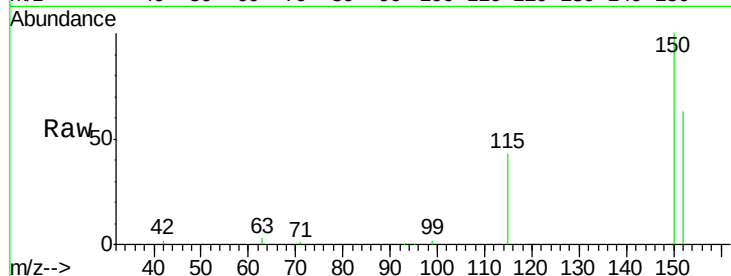
Tot Ion:152 Resp: 25043

Ion Ratio Lower Upper

152 100

150 157.7 122.2 183.4

115 68.5 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.16 min Scan# 82

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

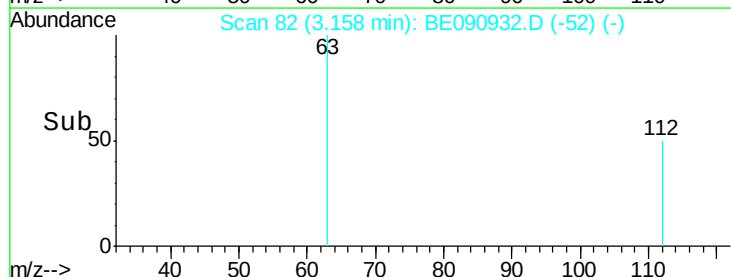
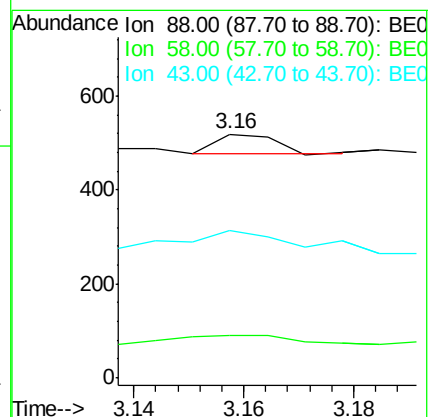
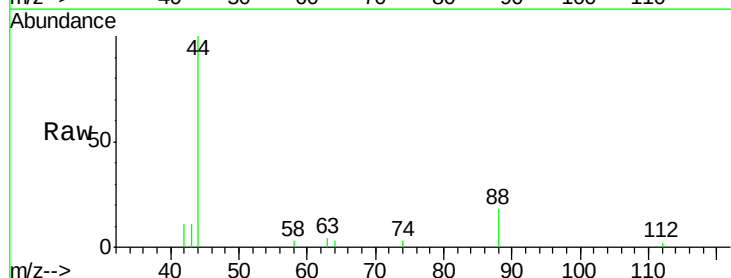
Tgt Ion: 88 Resp: 32

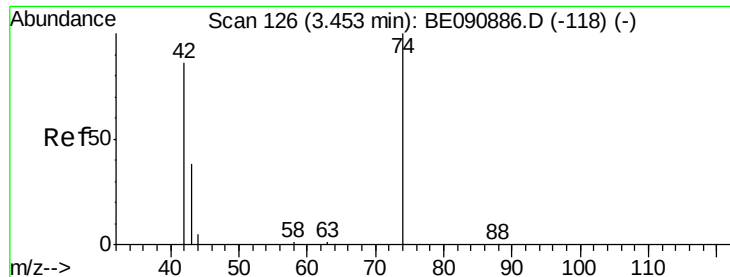
Ion Ratio Lower Upper

88 100

58 96.9 68.4 102.6

43 418.8 26.9 40.3#



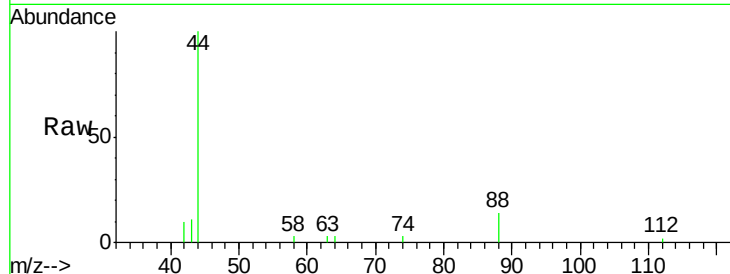


#3

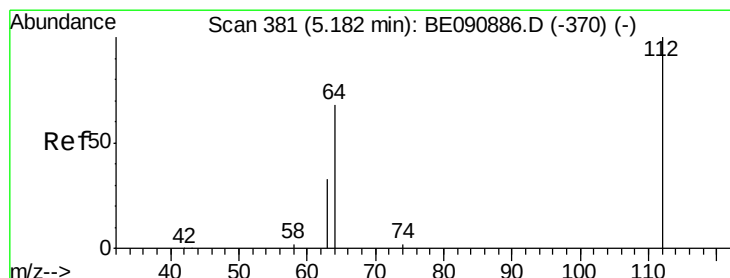
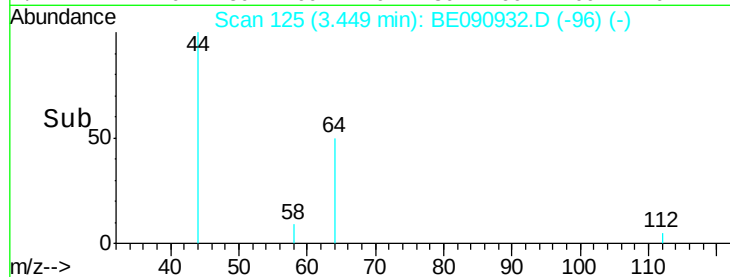
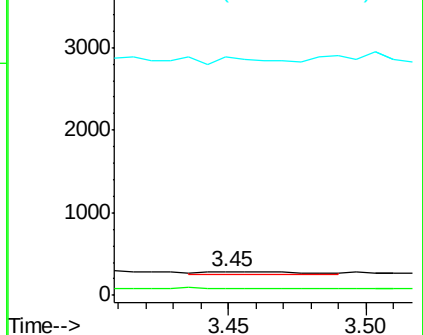
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 125
 Delta R.T. -0.00 min
 Lab File: BE090932.D
 Acq: 21 Sep 2015 23:27

Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-U-S

Tot Ion: 42 Resp: 79
 Ion Ratio Lower Upper
 42 100
 74 12.7 83.7 125.5#
 44 124.1 10.0 15.0#



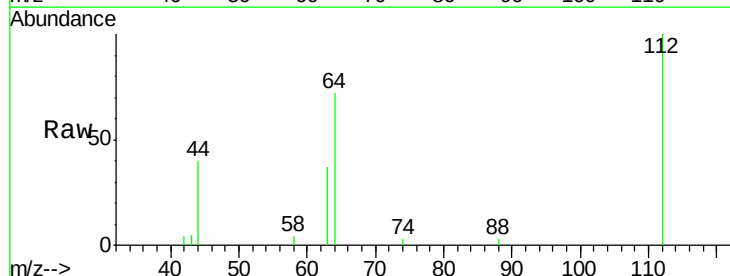
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



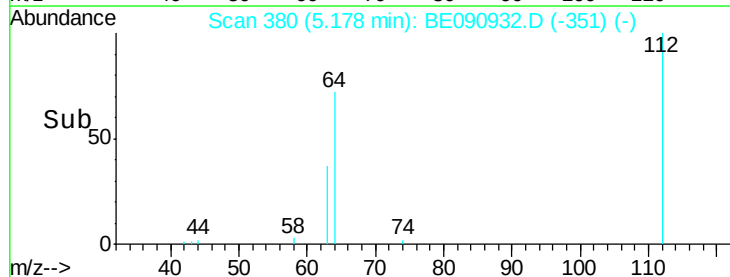
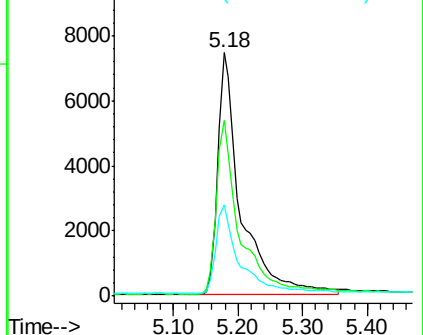
#4

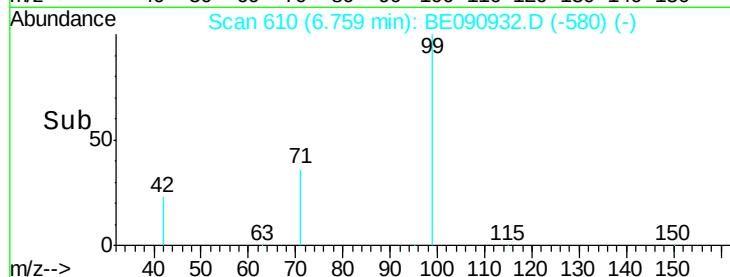
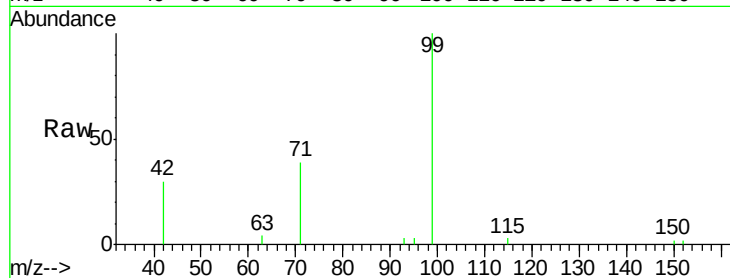
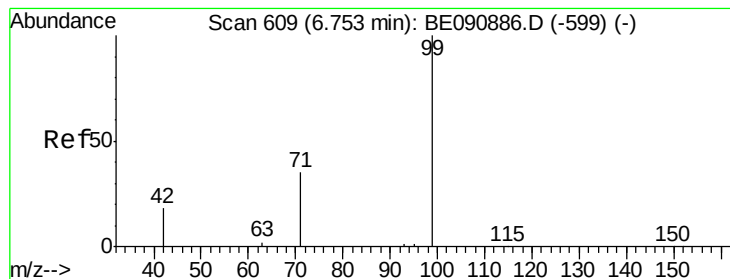
2-Fluorophenol
 Concen: 3.26 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: BE090932.D
 Acq: 21 Sep 2015 23:27

Tgt Ion: 112 Resp: 18415
 Ion Ratio Lower Upper
 112 100
 64 72.5 57.3 85.9
 63 37.6 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: 1.79 ng

RT: 6.76 min Scan# 610

Delta R.T. 0.01 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

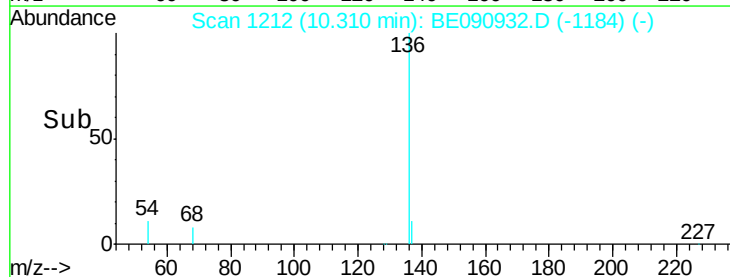
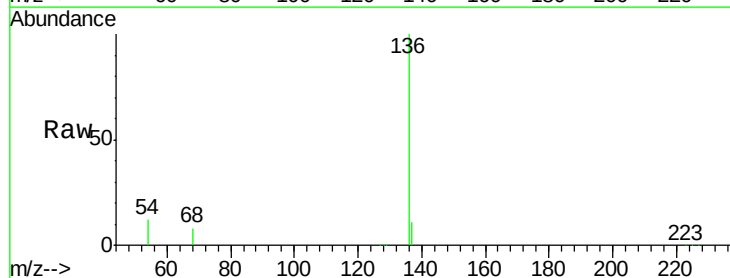
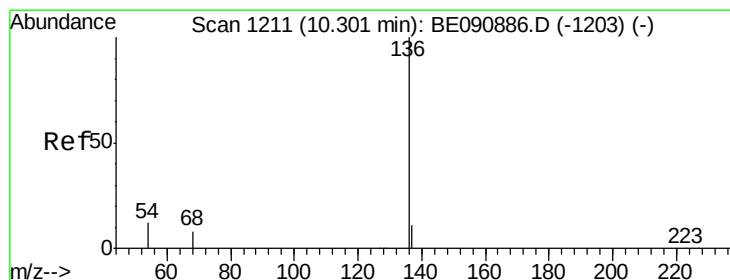
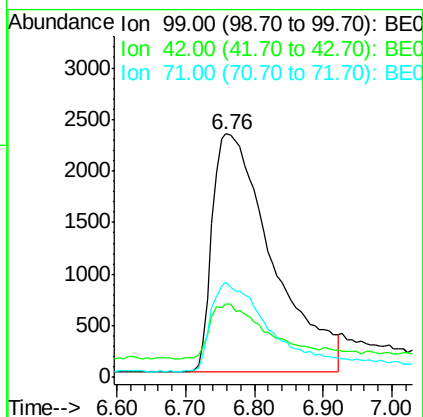
Tot Ion: 99 Resp: 13963

Ion Ratio Lower Upper

99 100

42 21.6 16.8 25.2

71 37.2 28.3 42.5



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Tgt Ion: 136 Resp: 105957

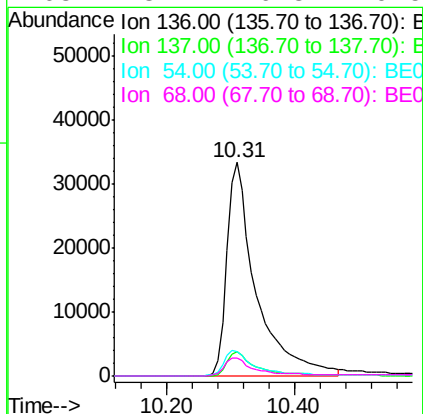
Ion Ratio Lower Upper

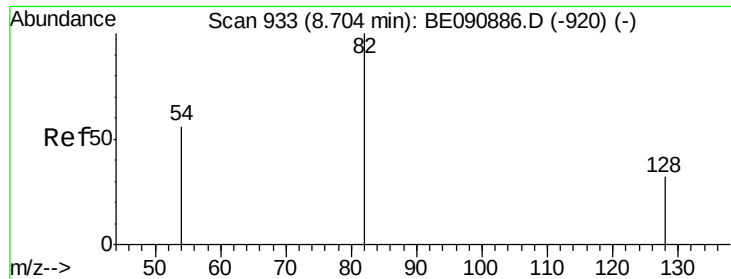
136 100

137 11.1 8.7 13.1

54 11.6 9.0 13.6

68 8.4 6.3 9.5





#8

Nitrobenzene-d5

Concen: 4.01 na

RT: 8.72 min Scan# 936

Delta R.T. 0.01 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

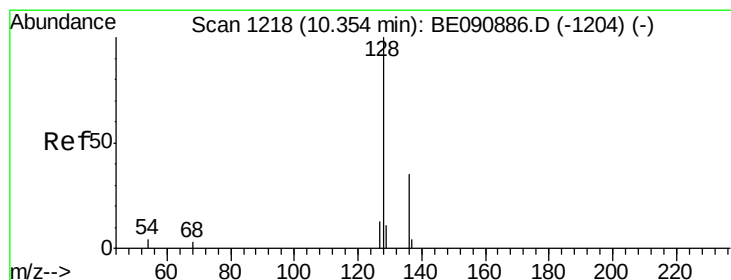
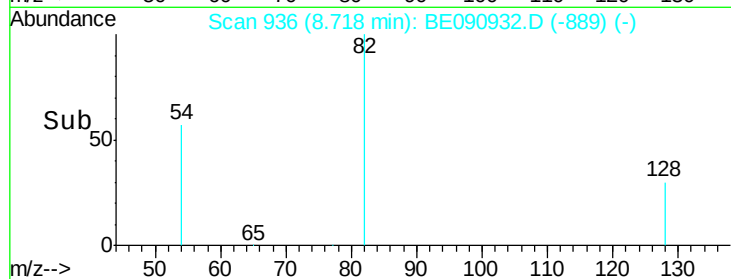
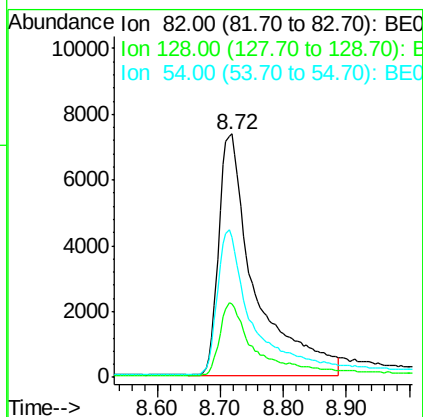
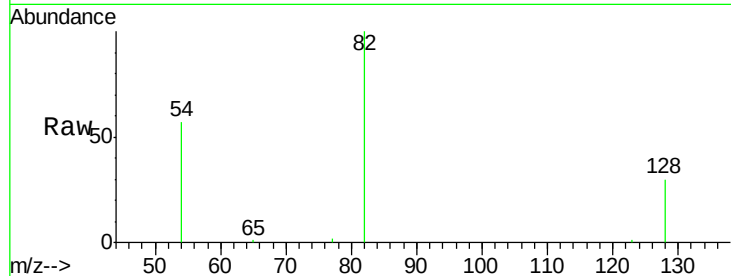
Tot Ion: 82 Resp: 29270

Ion Ratio Lower Upper

82 100

128 30.3 25.0 37.4

54 57.3 46.3 69.5



#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

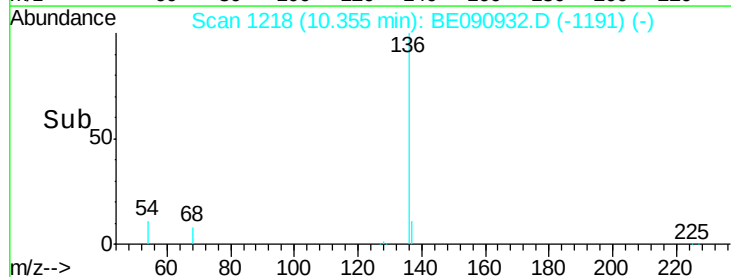
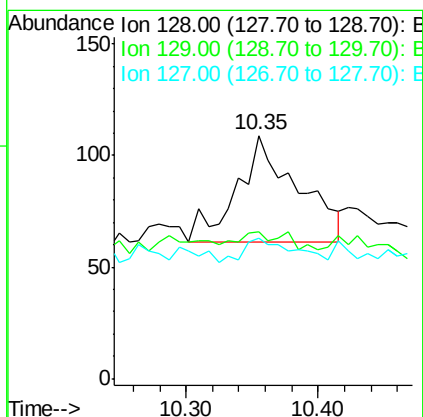
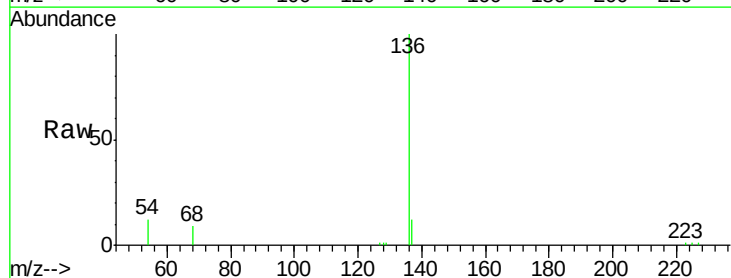
Tgt Ion: 128 Resp: 154

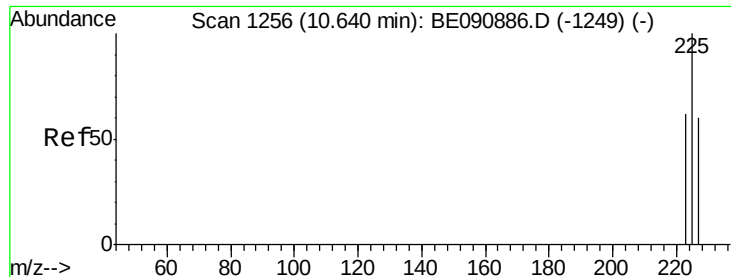
Ion Ratio Lower Upper

128 100

129 60.6 8.4 12.6#

127 57.8 9.9 14.9#

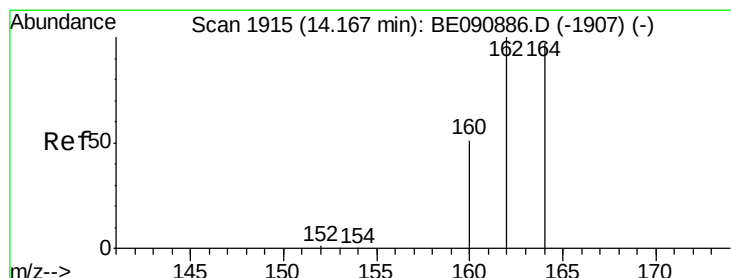
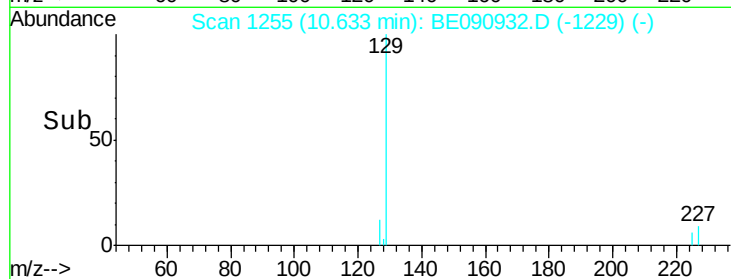
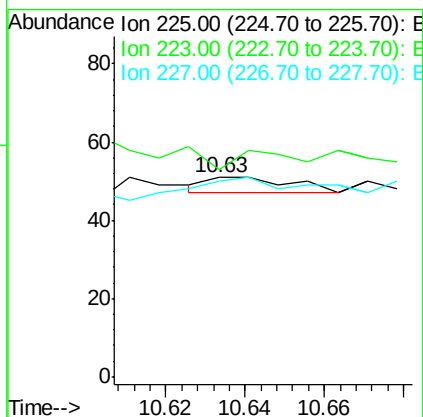
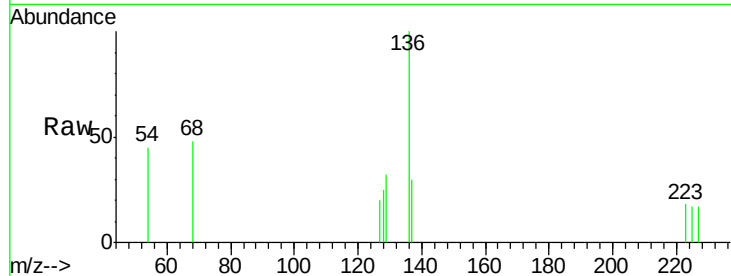




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.63 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BE090932.D
Acq: 21 Sep 2015 23:27

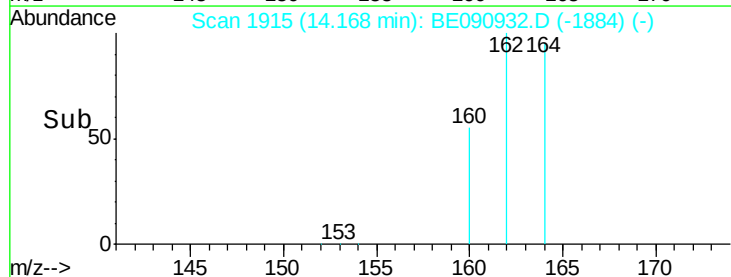
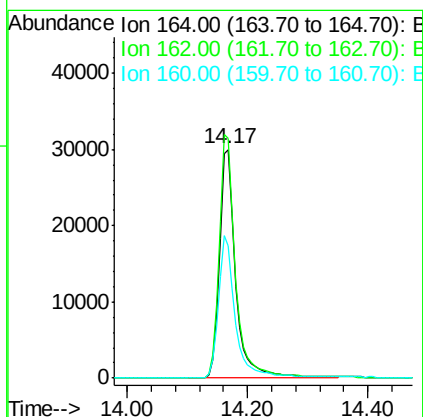
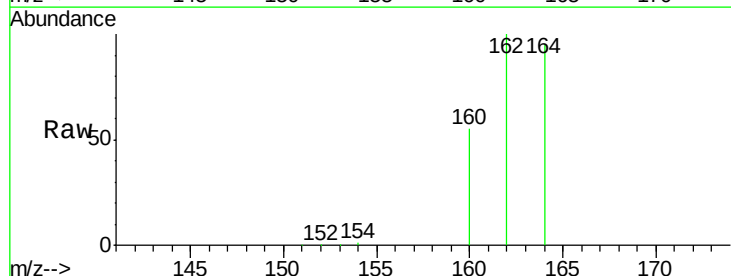
Instrument :
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ClientSampleId :
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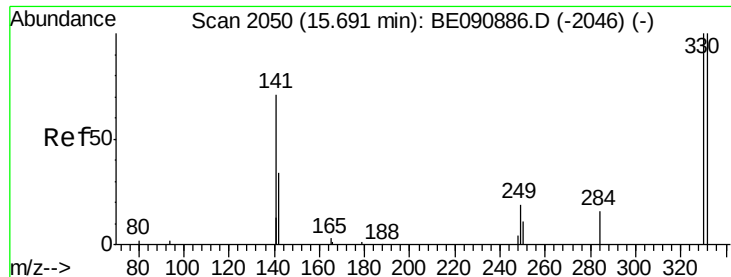
Tot Ion:225 Resp: 6
Ion Ratio Lower Upper
225 100
223 83.3 50.6 76.0#
227 216.7 51.0 76.6#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BE090932.D
Acq: 21 Sep 2015 23:27

Tgt Ion:164 Resp: 56977
Ion Ratio Lower Upper
164 100
162 104.8 86.8 130.2
160 57.6 53.9 80.9





#14

2,4,6-Tribromophenol

Concen: 7.53 ng

RT: 15.67 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

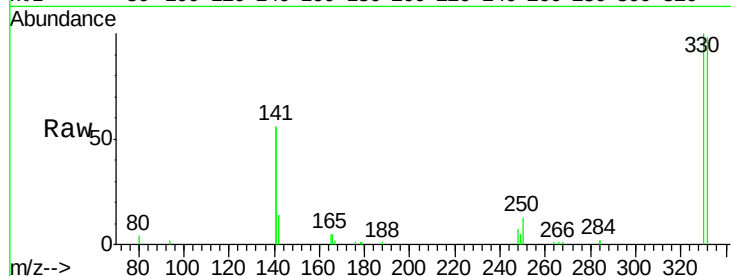
Tot Ion:330 Resp: 15151

Ion Ratio Lower Upper

330 100

332 97.5 74.9 112.3

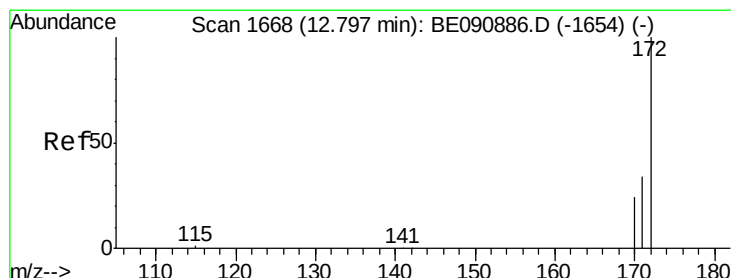
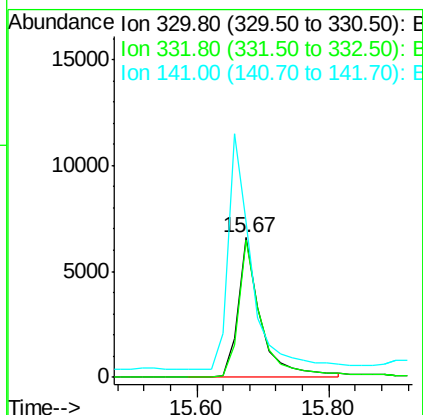
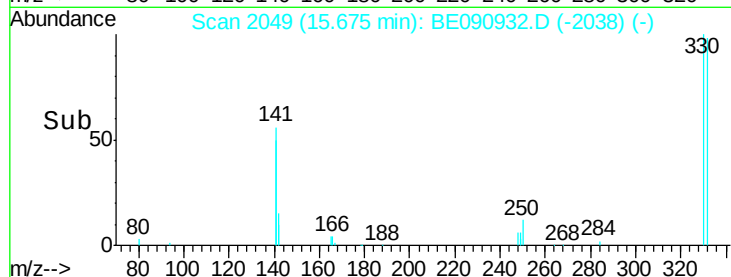
141 179.4 145.2 217.8



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: 4.36 ng

RT: 12.80 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

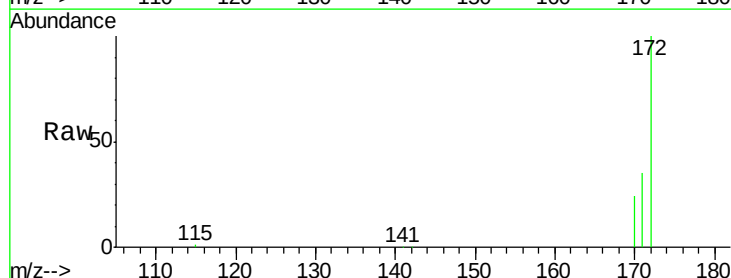
Tgt Ion:172 Resp: 70483

Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.8

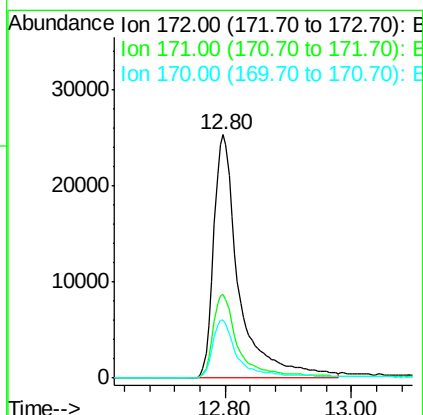
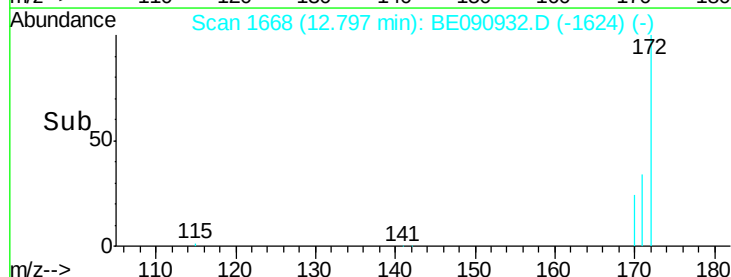
170 23.7 19.8 29.6

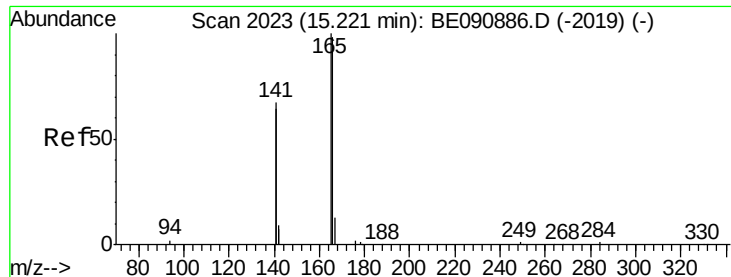


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#18

Fluorene

Concen: Below Cal

RT: 15.22 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

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ClientSampleId :

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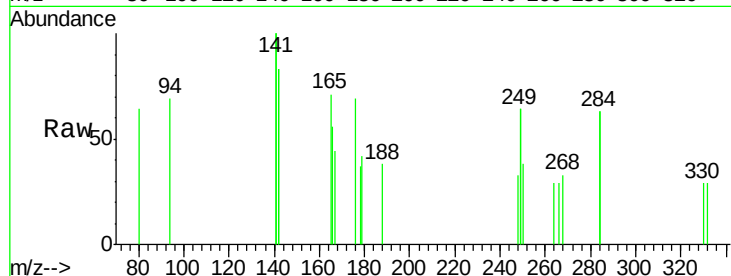
Tot Ion:166 Resp: 127

Ion Ratio Lower Upper

166 100

165 139.4 82.7 124.1#

167 0.0 10.7 16.1#



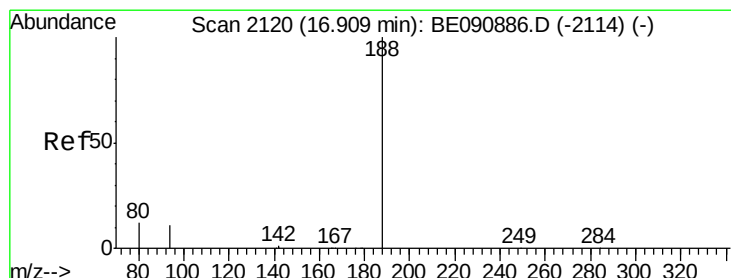
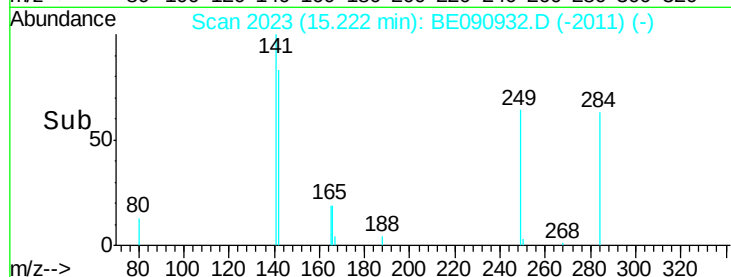
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.22

Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

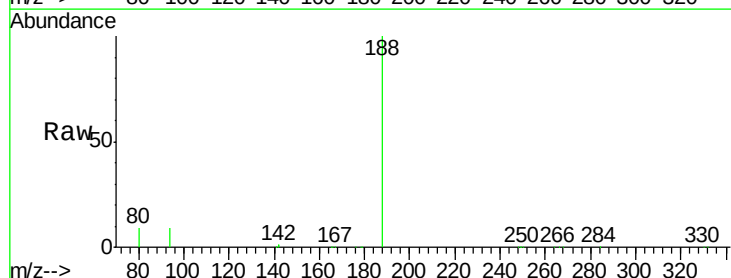
Tgt Ion:188 Resp: 144860

Ion Ratio Lower Upper

188 100

94 8.7 10.3 15.5#

80 9.2 11.0 16.6#



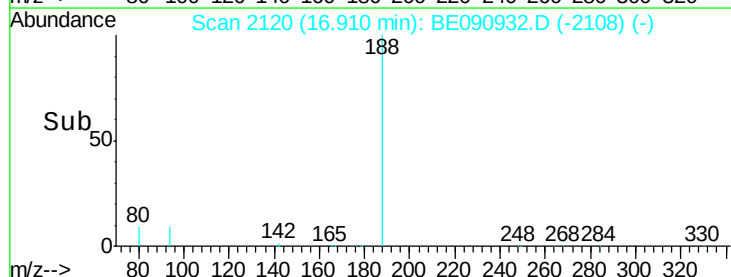
Abundance Ion 188.00 (187.70 to 188.70): E

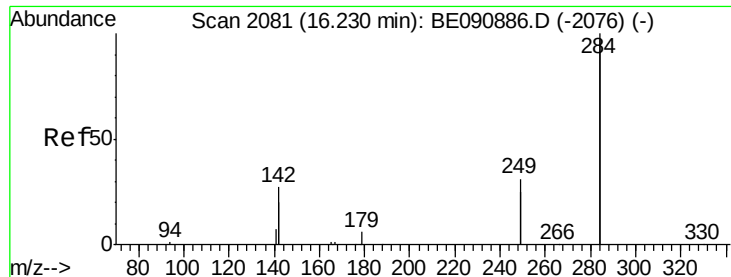
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

16.91

Time-->





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

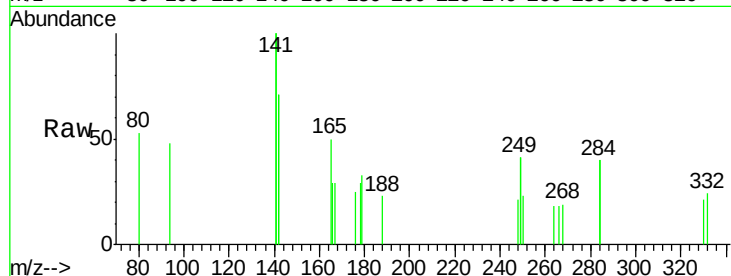
Tot Ion:284 Resp: 71

Ion Ratio Lower Upper

284 100

142 160.6 35.0 52.4#

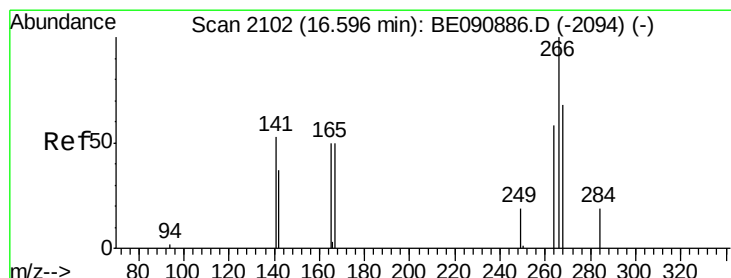
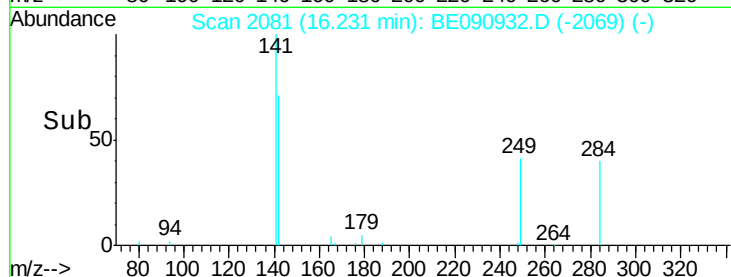
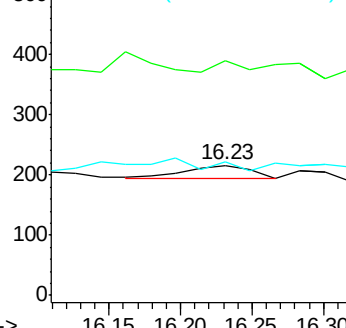
249 0.0 25.5 38.3#



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 ng

RT: 16.61 min Scan# 2103

Delta R.T. 0.02 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

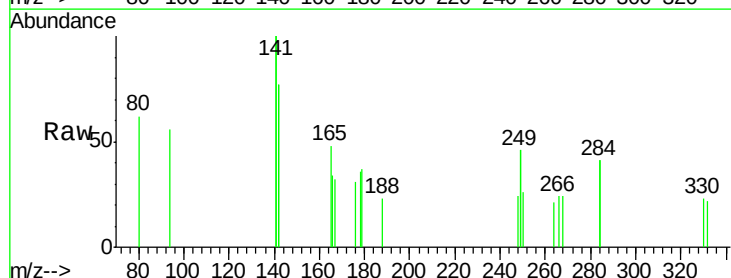
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

268 98.2 49.6 74.4#

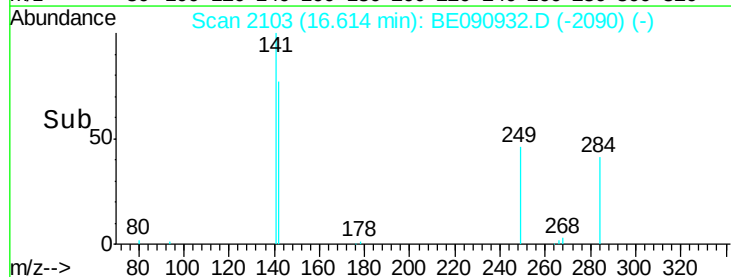
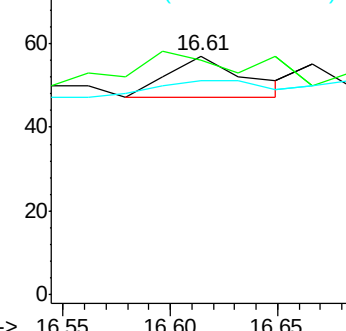
264 89.5 53.9 80.9#

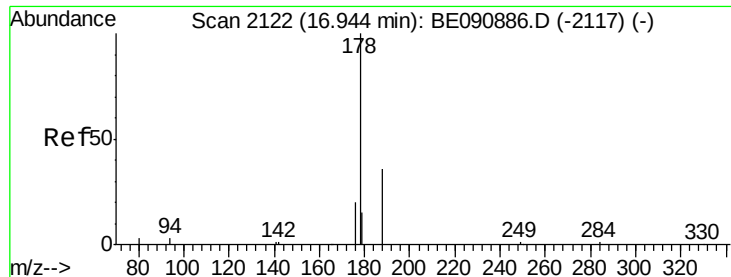


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2122

Delta R.T. 0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

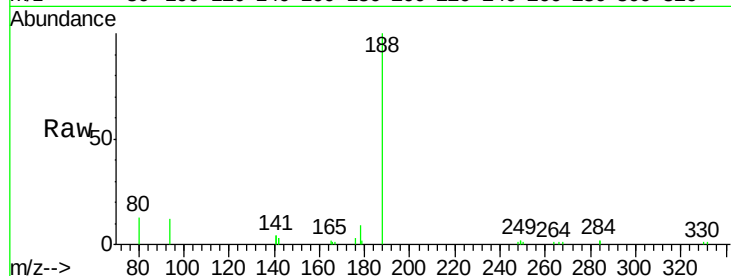
Tot Ion:178 Resp: 943

Ion Ratio Lower Upper

178 100

176 23.4 15.6 23.4#

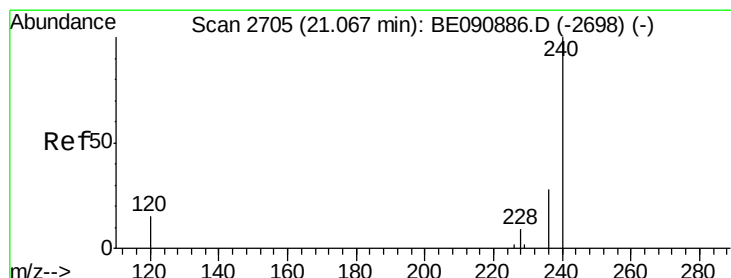
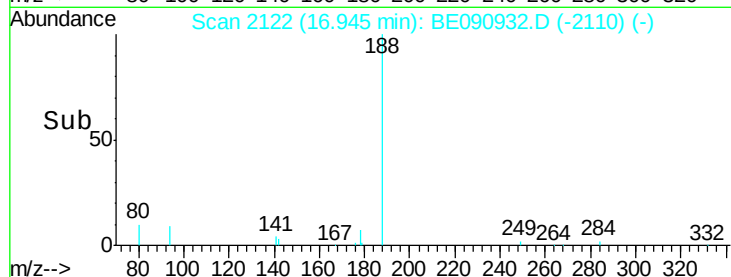
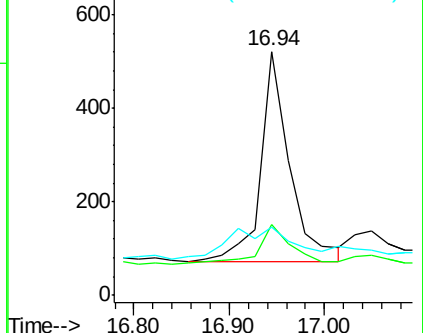
179 32.9 12.8 19.2#



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# 2704

Delta R.T. -0.00 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

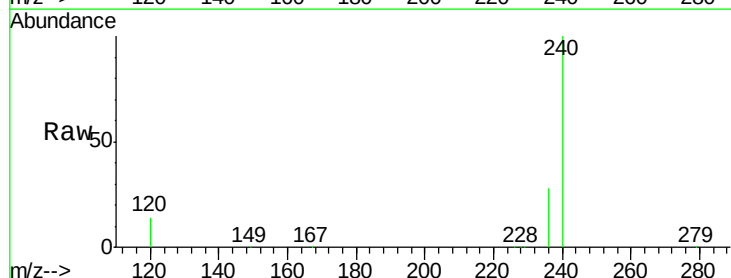
Tgt Ion:240 Resp: 188598

Ion Ratio Lower Upper

240 100

120 14.3 10.1 15.1

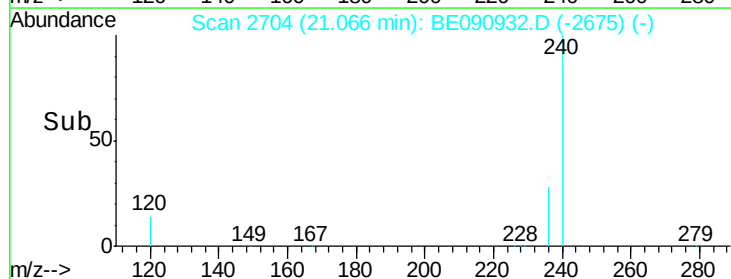
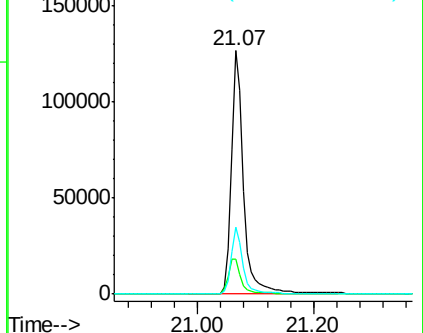
236 27.6 21.9 32.9

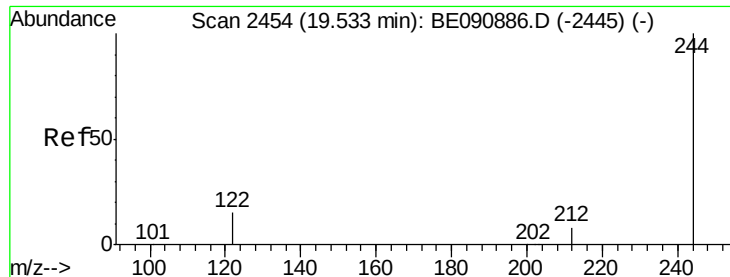


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 6.27 ng

RT: 19.52 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-U-S

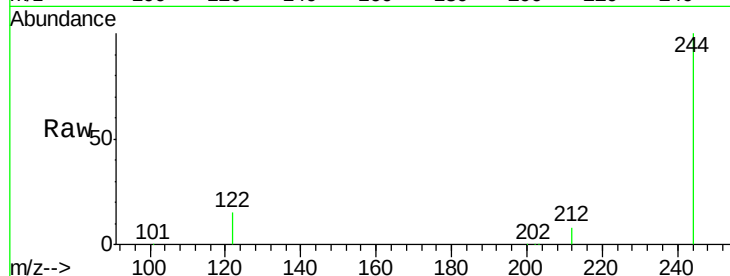
Tot Ion:244 Resp: 133415

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

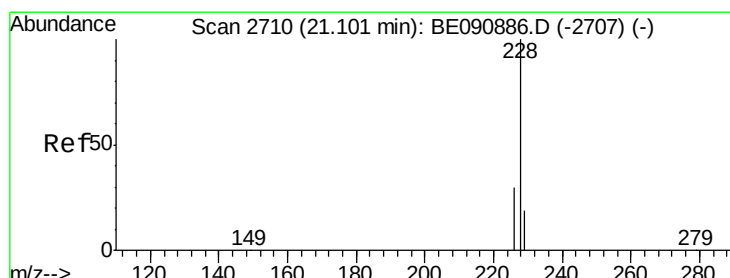
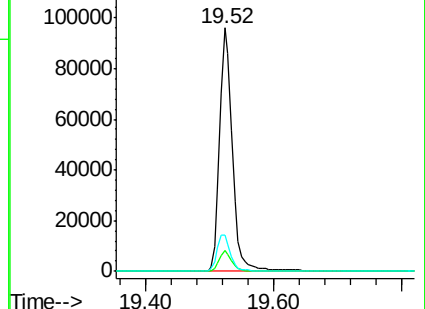
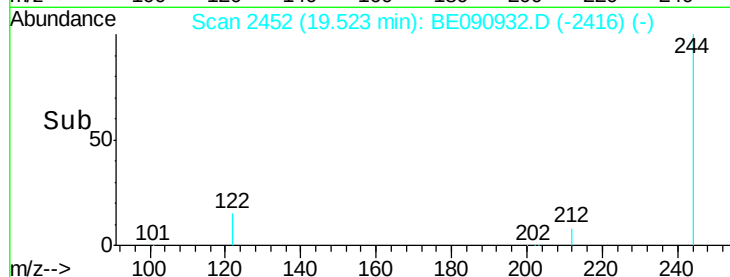
122 15.0 12.9 19.3



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



#30

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2710

Delta R.T. 0.01 min

Lab File: BE090932.D

Acq: 21 Sep 2015 23:27

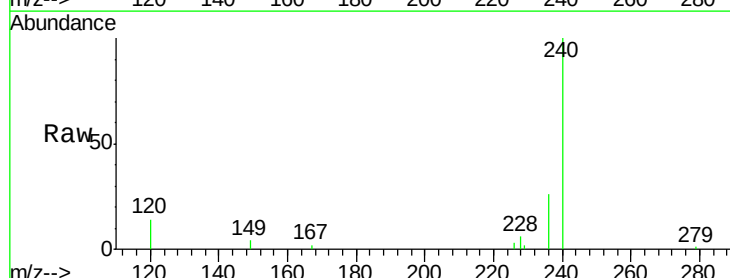
Tgt Ion:228 Resp: 537

Ion Ratio Lower Upper

228 100

226 39.4 24.2 36.4#

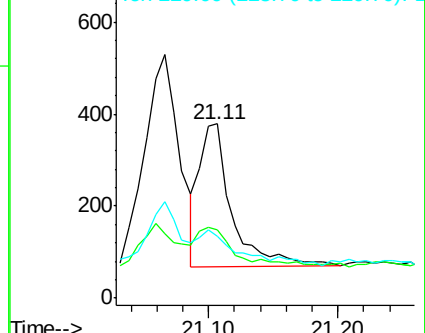
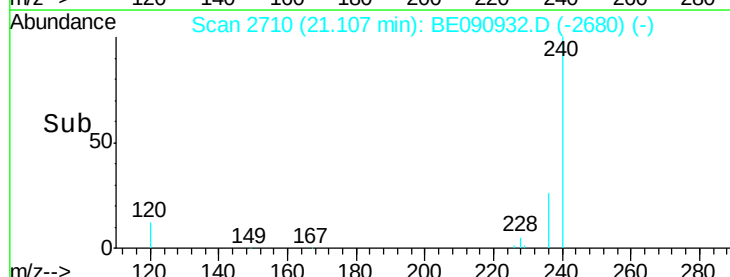
229 35.7 15.3 22.9#

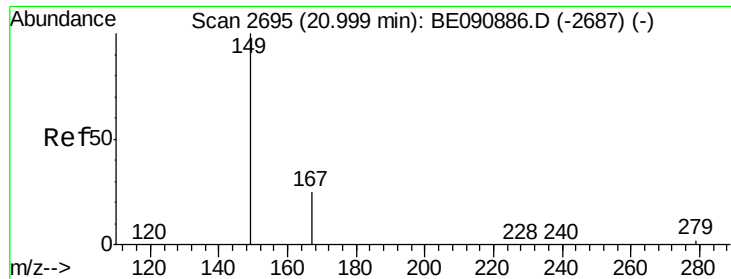


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

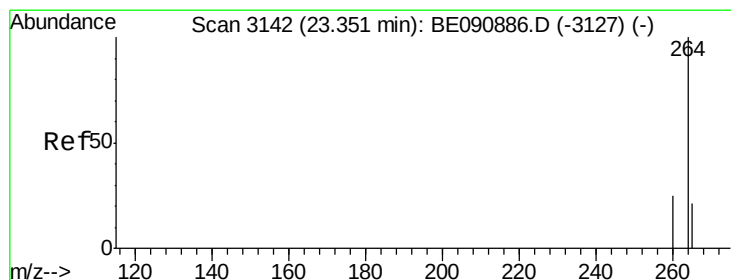
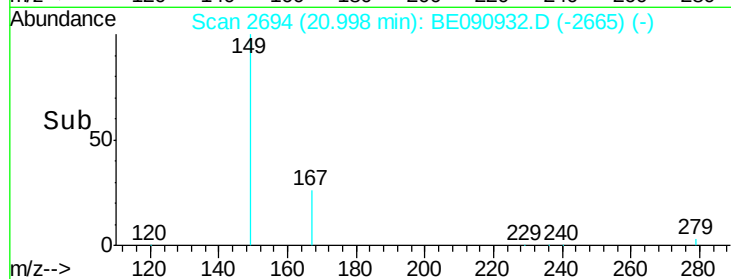
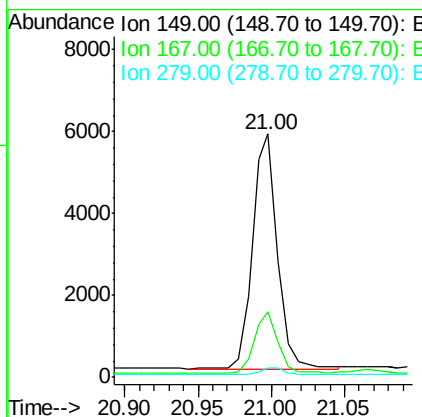
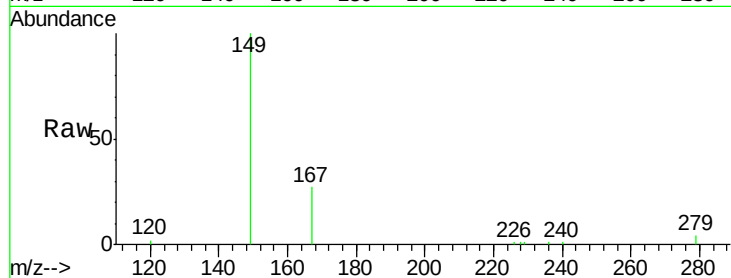




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.48 ng
 RT: 21.00 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: BE090932.D
 Acq: 21 Sep 2015 23:27

Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-U-S

Tot Ion:149 Resp: 6830
 Ion Ratio Lower Upper
 149 100
 167 24.4 20.1 30.1
 279 3.2 2.3 3.5



#33
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BE090932.D
 Acq: 21 Sep 2015 23:27

Tgt Ion:264 Resp: 173755
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.9 17.5 26.3

