

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090926.D
 Acq On : 21 Sep 2015 19:49
 Operator : UM/IZ
 Sample : G3745-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 22 00:43:04 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

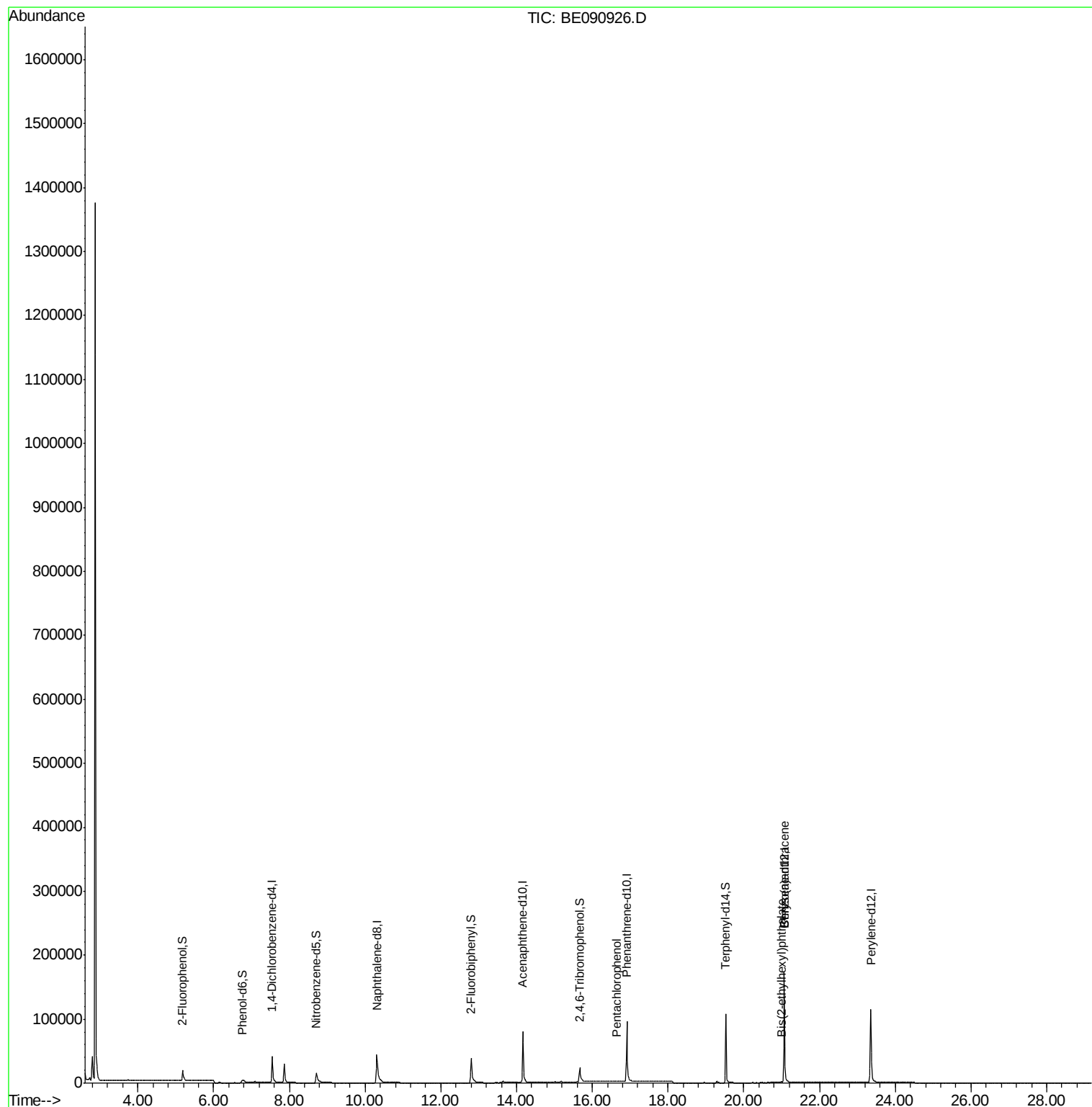
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	26042	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	109693	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	58432	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	146622	5.00	ng	0.00
26) Chrysene-d12	21.07	240	184460	5.00	ng	0.00
33) Perylene-d12	23.35	264	170451	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	19106	3.25	ng	0.00
5) Phenol-d6	6.76	99	14828	1.83	ng	0.00
8) Nitrobenzene-d5	8.71	82	29913	3.96	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	14660	7.11	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	69443	4.19	ng	0.00
28) Terphenyl-d14	19.53	244	128275	6.16	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.26	88	66	Below Cal	#	1
3) n-Nitrosodimethylamine	3.44	42	22	Below Cal	#	6
6) bis(2-Chloroethyl)ether	6.98	93	11	Below Cal	#	1
10) Naphthalene	10.36	128	93	Below Cal	#	1
11) Hexachlorobutadiene	10.64	225	1	Below Cal	#	1
18) Fluorene	15.24	166	213	Below Cal	#	54
21) Hexachlorobenzene	16.23	284	257	Below Cal	#	65
22) Pentachlorophenol	16.63	266	40	0.19 ng	#	59
23) Phenanthrene	16.94	178	817	Below Cal	#	82
29) Benzo(a)anthracene	21.06	228	1060	0.02 ng	#	86
30) Chrysene	21.10	228	758	Below Cal	#	76
31) Bis(2-ethylhexyl)phthalate	20.99	149	1948	0.26 ng		100

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

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Quant Time: Sep 22 00:43:04 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

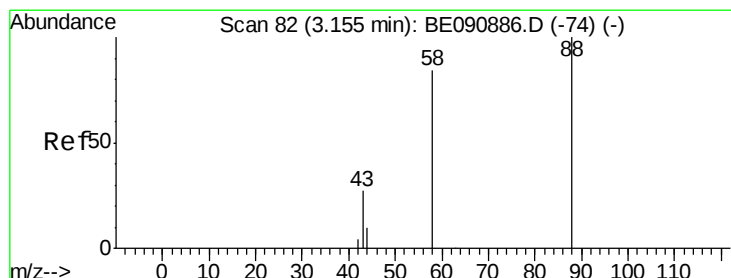
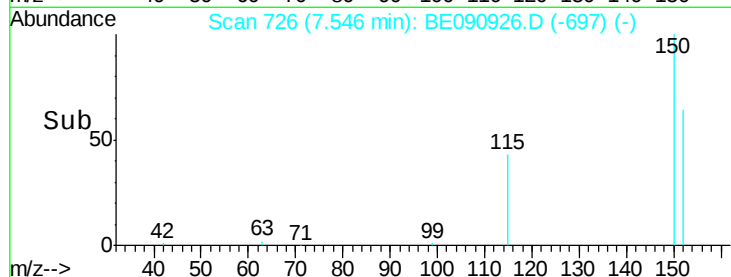
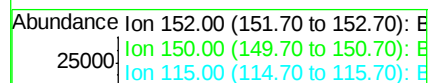
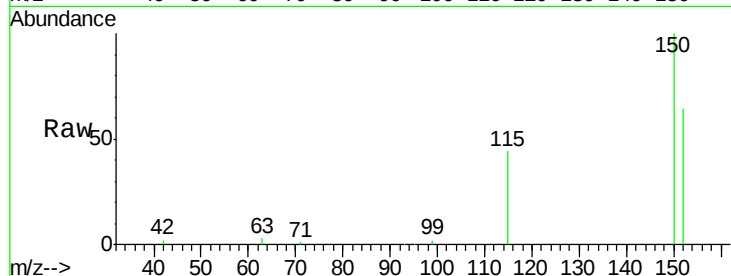
Tot Ion:152 Resp: 26042

Ion Ratio Lower Upper

152 100

150 156.1 122.2 183.4

115 68.2 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.26 min Scan# 97

Delta R.T. 0.10 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

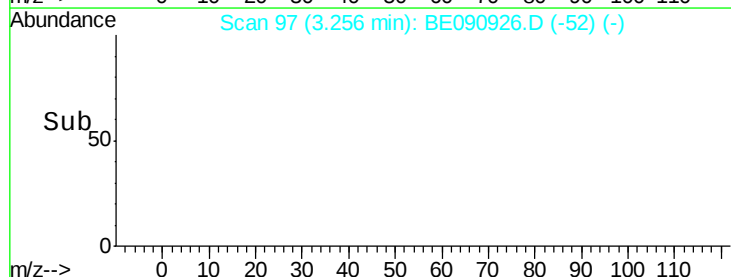
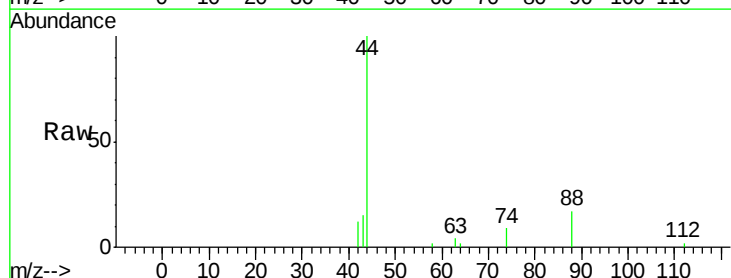
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

58 9.1 68.4 102.6#

43 586.4 26.9 40.3#



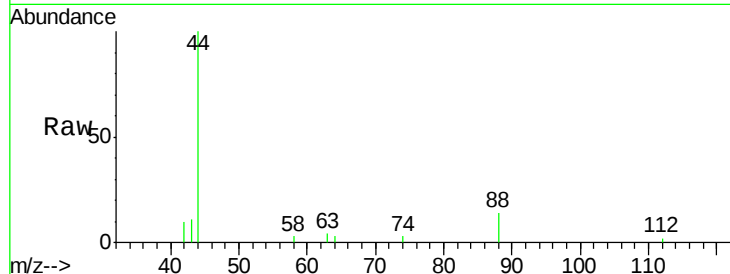


#3

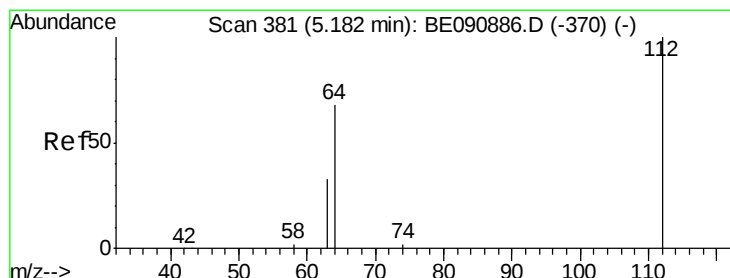
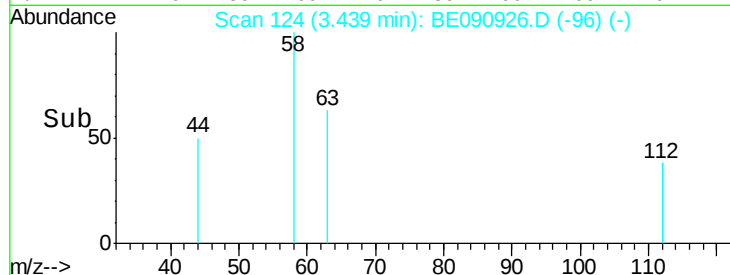
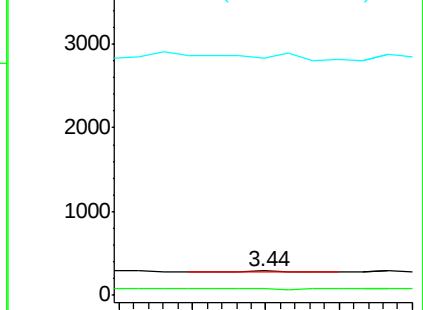
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090926.D
 Acq: 21 Sep 2015 19:49

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

Tot Ion: 42 Resp: 22
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 0.0 10.0 15.0#



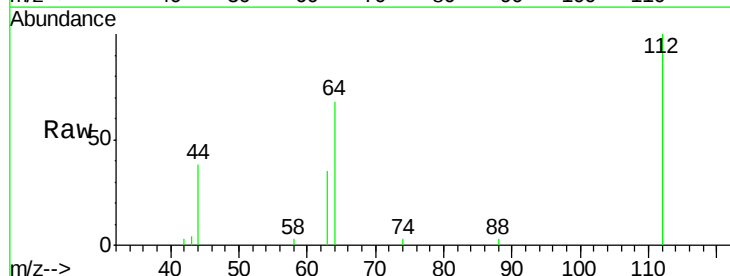
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



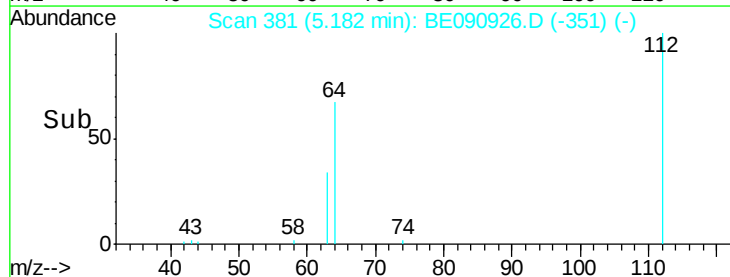
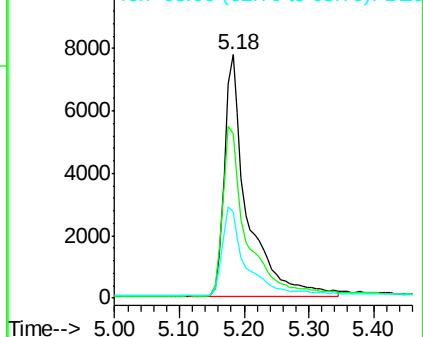
#4

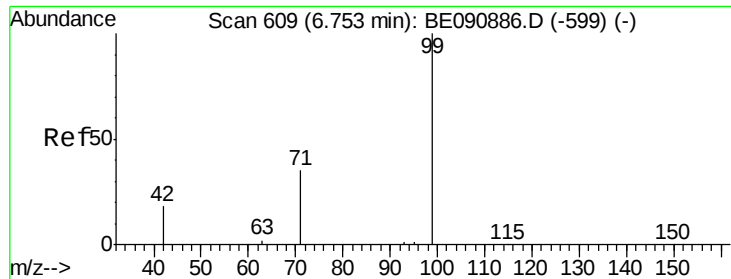
2-Fluorophenol
 Concen: 3.25 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090926.D
 Acq: 21 Sep 2015 19:49

Tgt Ion: 112 Resp: 19106
 Ion Ratio Lower Upper
 112 100
 64 73.1 57.3 85.9
 63 38.1 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: 1.83 ng

RT: 6.76 min Scan# 610

Delta R.T. 0.01 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

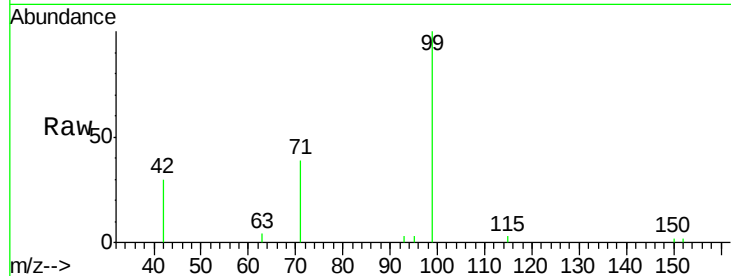
Tot Ion: 99 Resp: 14828

Ion Ratio Lower Upper

99 100

42 23.4 16.8 25.2

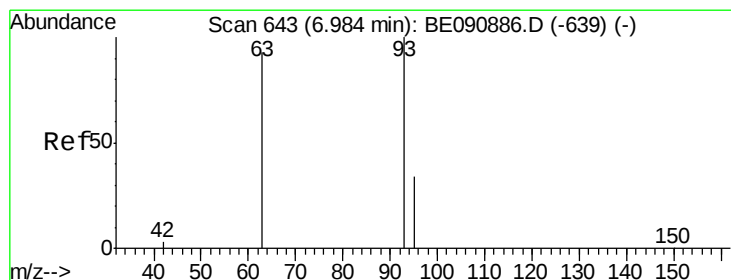
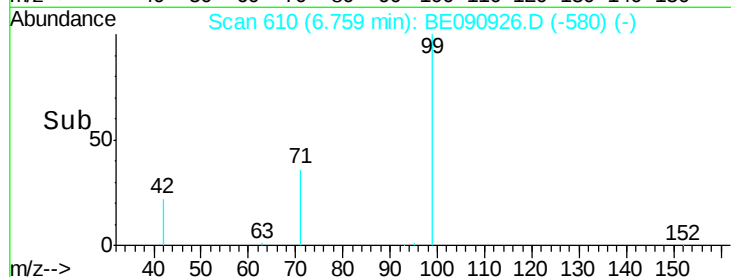
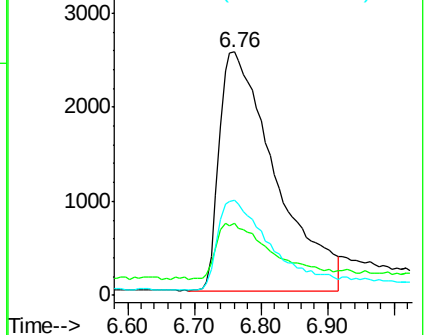
71 36.6 28.3 42.5



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: 6.98 min Scan# 642

Delta R.T. -0.01 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

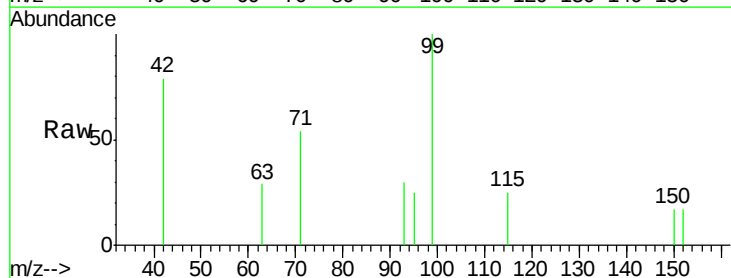
Tgt Ion: 93 Resp: 11

Ion Ratio Lower Upper

93 100

63 218.2 68.5 102.7#

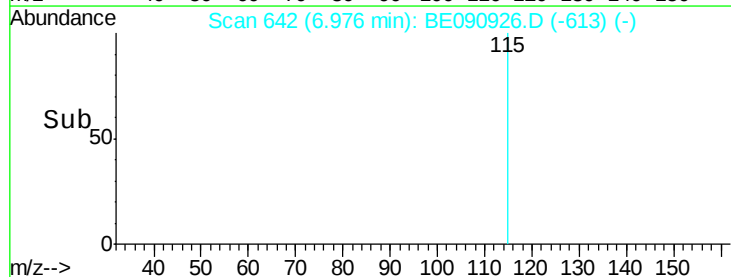
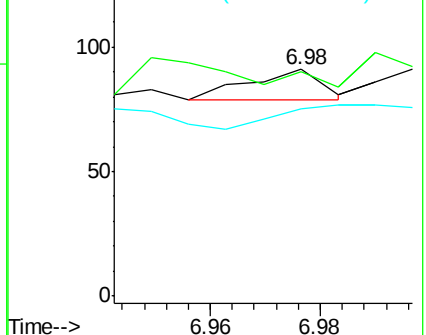
95 309.1 26.9 40.3#

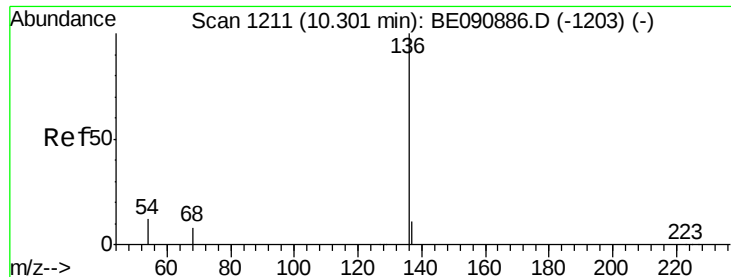


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

Tot Ion:136 Resp: 109693

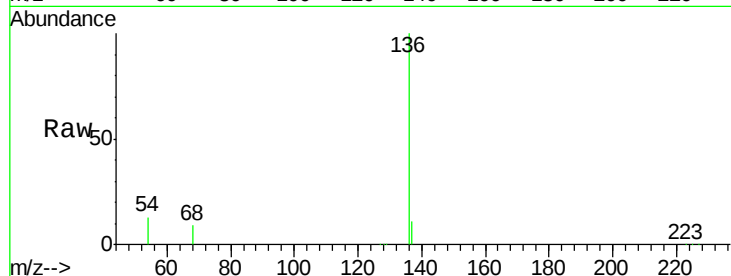
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 12.5 9.0 13.6

68 8.8 6.3 9.5

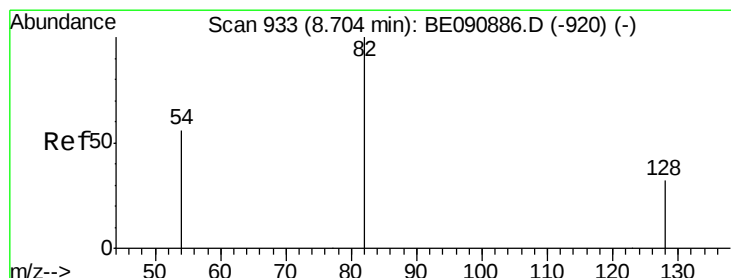
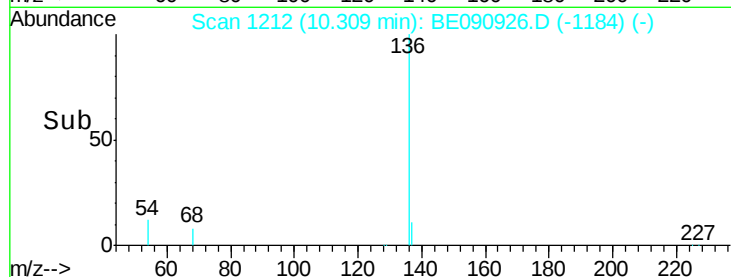
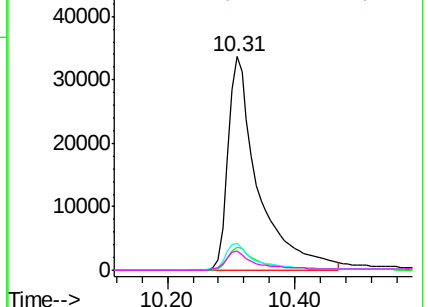


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.96 ng

RT: 8.71 min Scan# 935

Delta R.T. 0.01 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

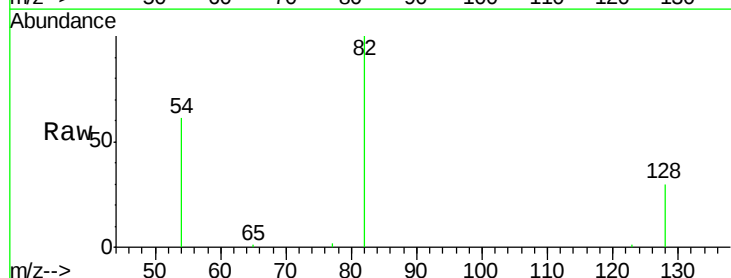
Tgt Ion: 82 Resp: 29913

Ion Ratio Lower Upper

82 100

128 29.8 25.0 37.4

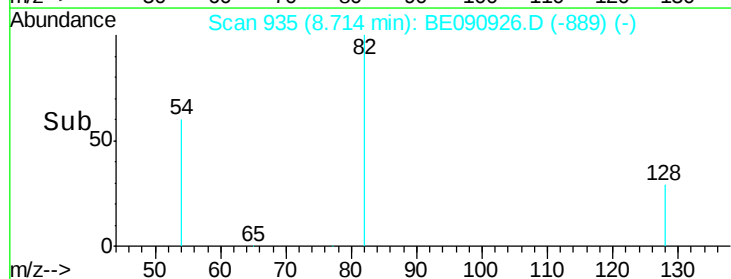
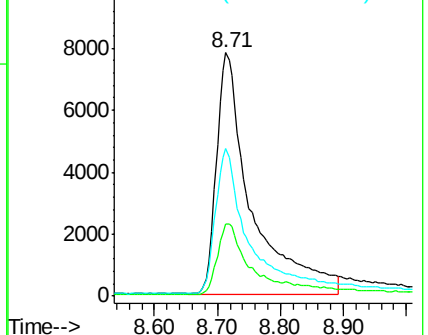
54 60.7 46.3 69.5

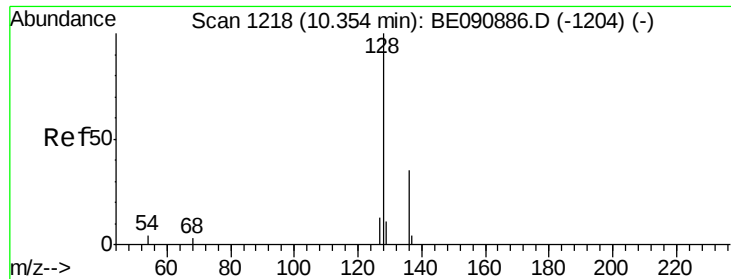


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

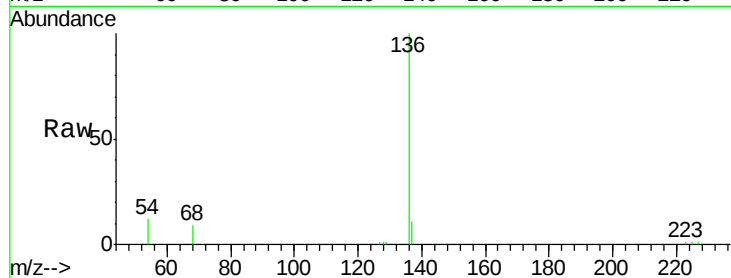
Tot Ion:128 Resp: 93

Ion Ratio Lower Upper

128 100

129 67.7 8.4 12.6#

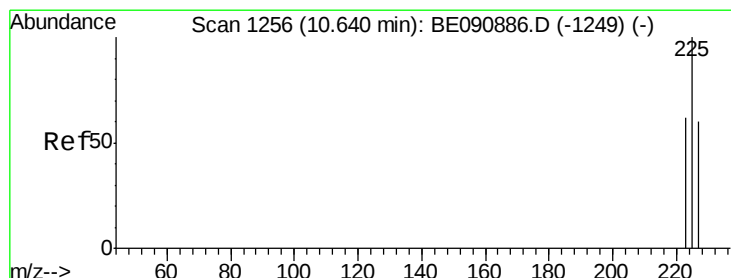
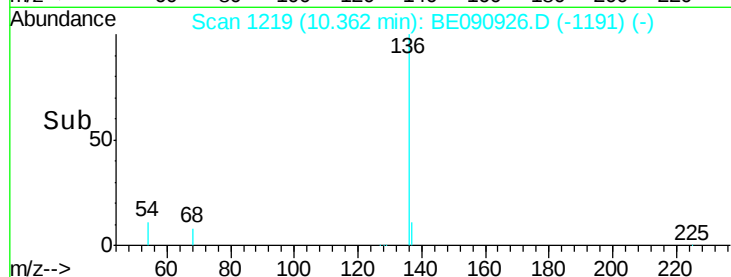
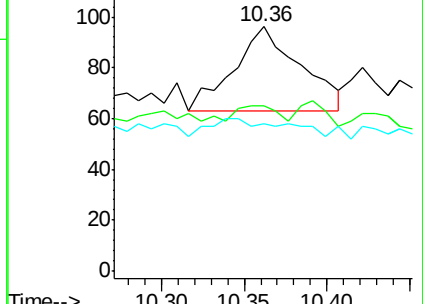
127 60.4 9.9 14.9#



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: 10.64 min Scan# 1256

Delta R.T. 0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

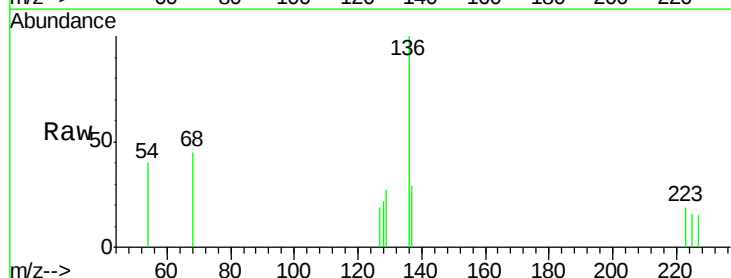
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 500.0 50.6 76.0#

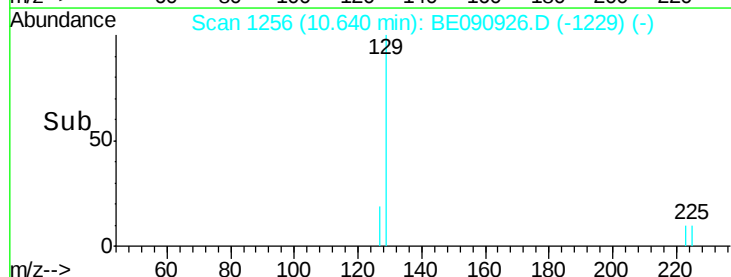
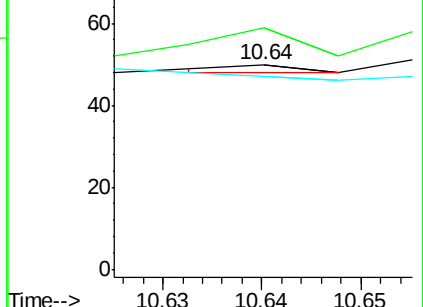
227 0.0 51.0 76.6#

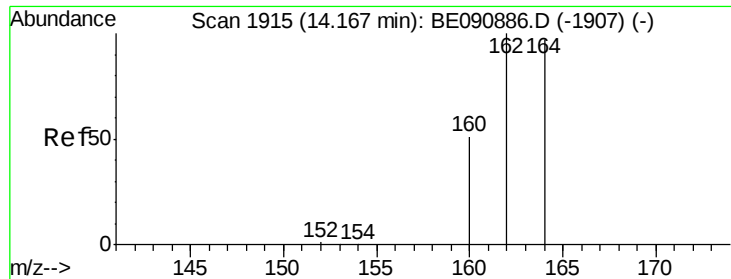


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

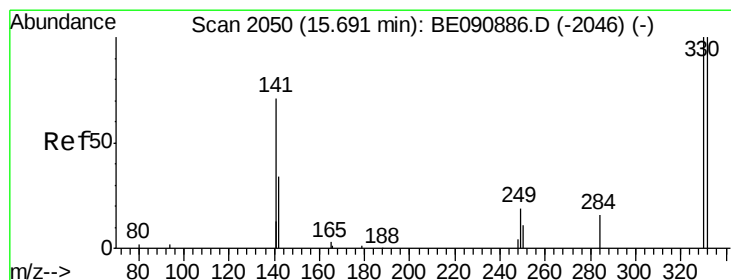
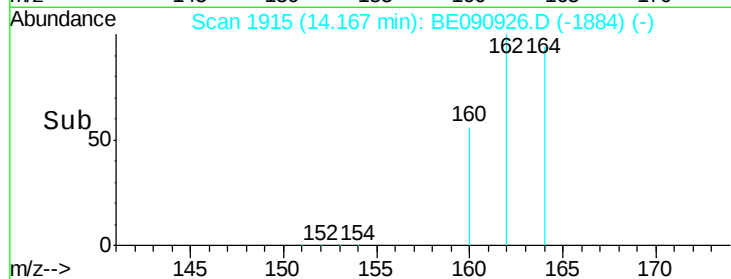
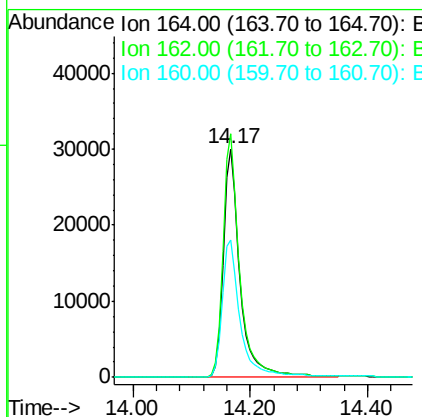
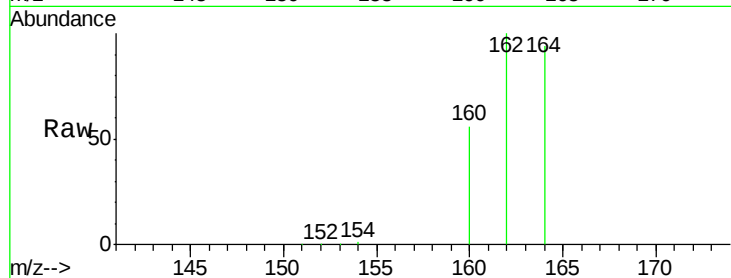




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1915
Delta R.T. 0.00 min
Lab File: BE090926.D
Acq: 21 Sep 2015 19:49

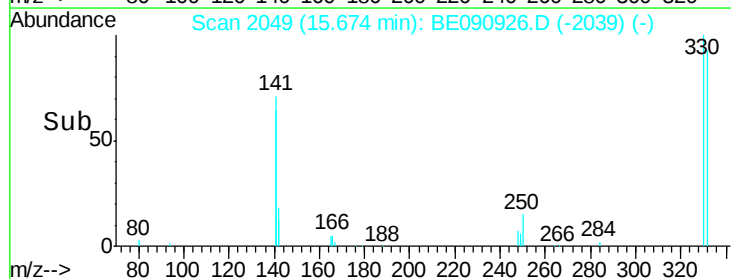
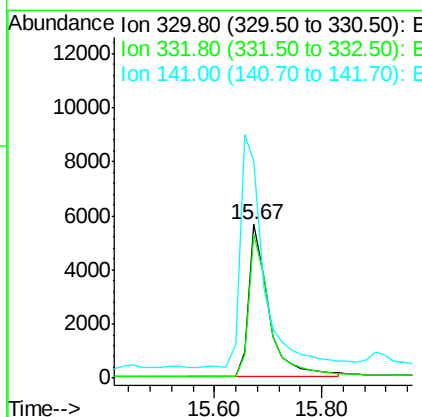
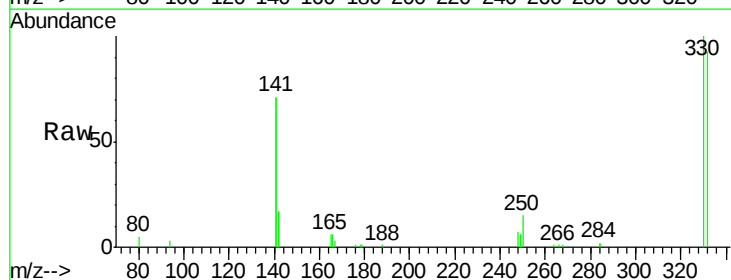
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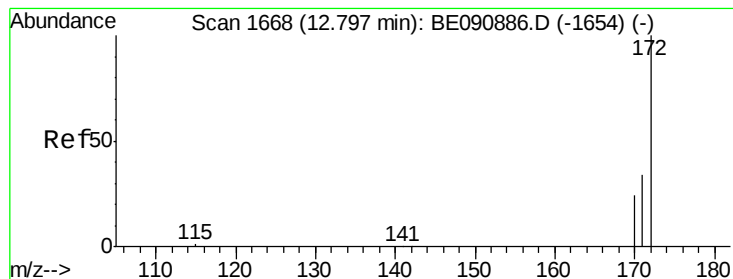
Tot Ion:164 Resp: 58432
Ion Ratio Lower Upper
164 100
162 106.6 86.8 130.2
160 59.9 53.9 80.9



#14
2,4,6-Tribromophenol
Concen: 7.11 ng
RT: 15.67 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BE090926.D
Acq: 21 Sep 2015 19:49

Tgt Ion:330 Resp: 14660
Ion Ratio Lower Upper
330 100
332 96.7 74.9 112.3
141 178.5 145.2 217.8





#15

2-Fluorobiphenyl

Concen: 4.19 ng

RT: 12.80 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

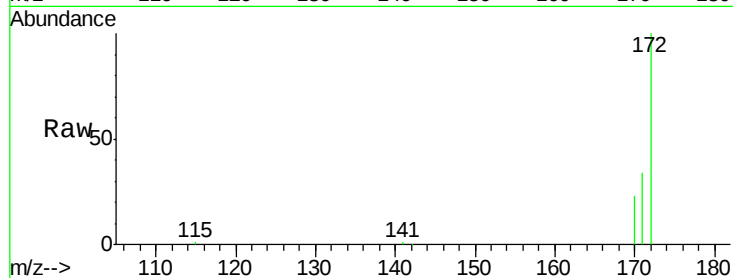
Tot Ion:172 Resp: 69443

Ion Ratio Lower Upper

172 100

171 34.0 27.8 41.8

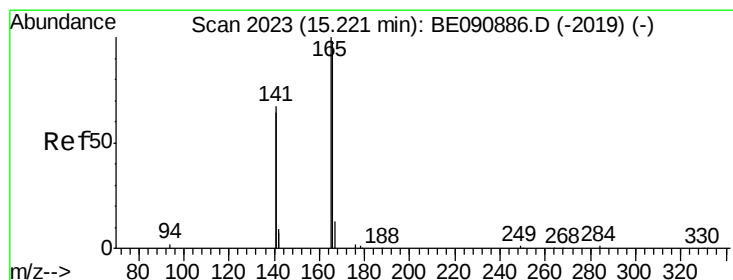
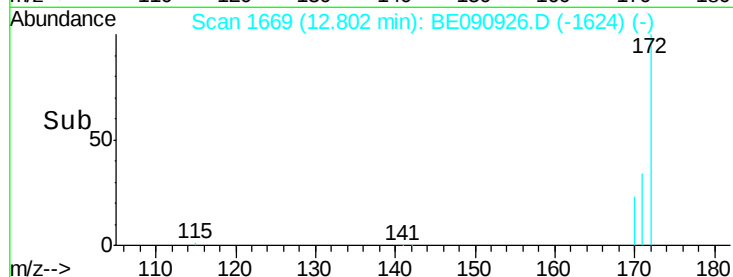
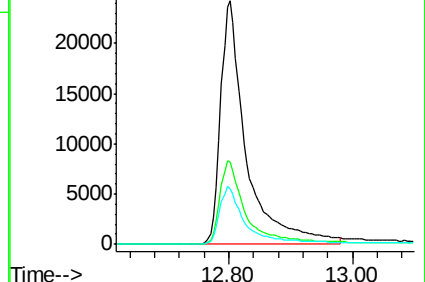
170 23.0 19.8 29.6



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: 15.24 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

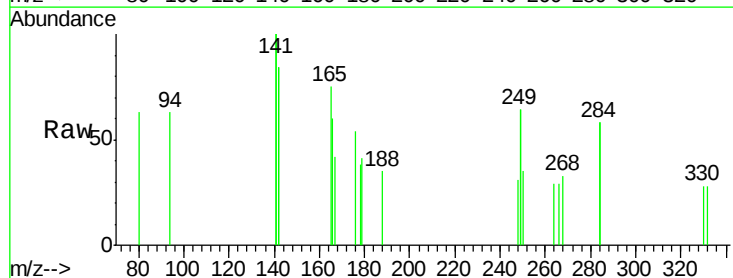
Tgt Ion:166 Resp: 213

Ion Ratio Lower Upper

166 100

165 152.1 82.7 124.1#

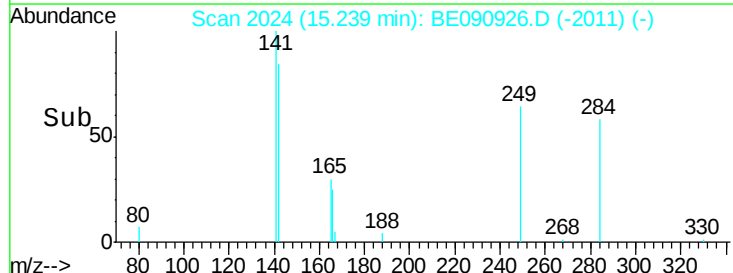
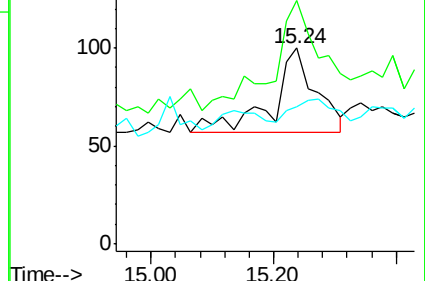
167 0.0 10.7 16.1#

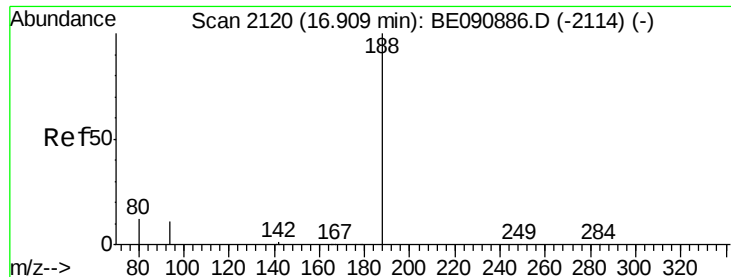


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

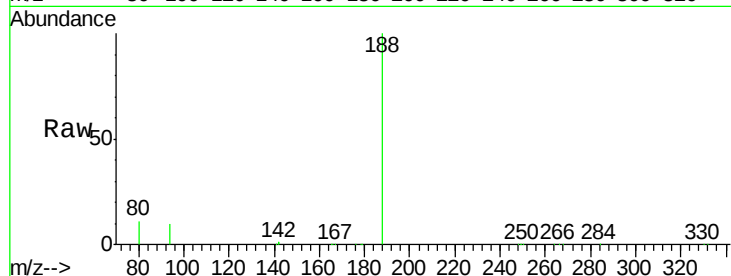
Tot Ion:188 Resp: 146622

Ion Ratio Lower Upper

188 100

94 10.3 10.3 15.5#

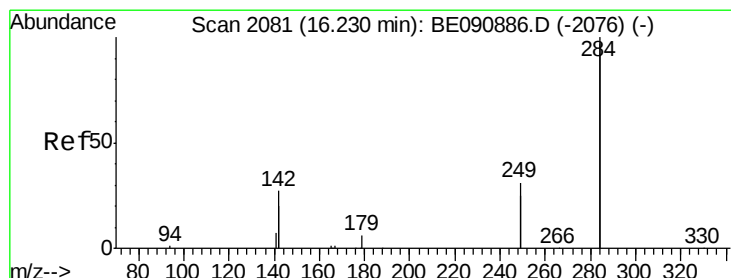
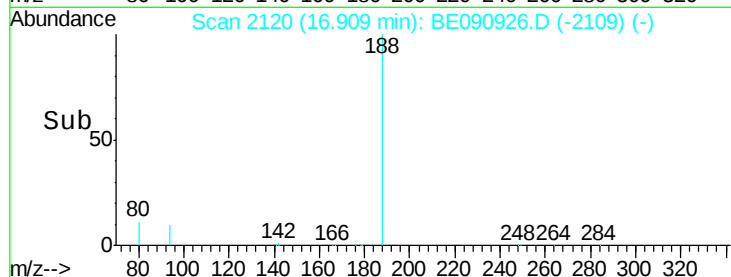
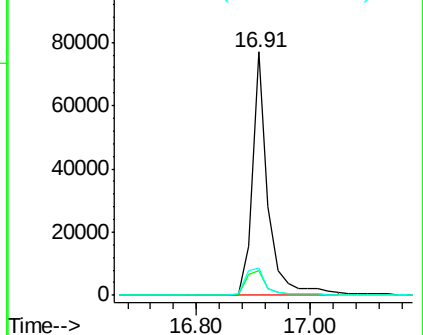
80 11.4 11.0 16.6



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# 2081

Delta R.T. 0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

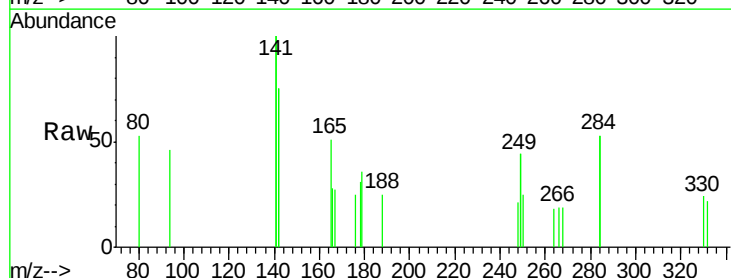
Tgt Ion:284 Resp: 257

Ion Ratio Lower Upper

284 100

142 78.6 35.0 52.4#

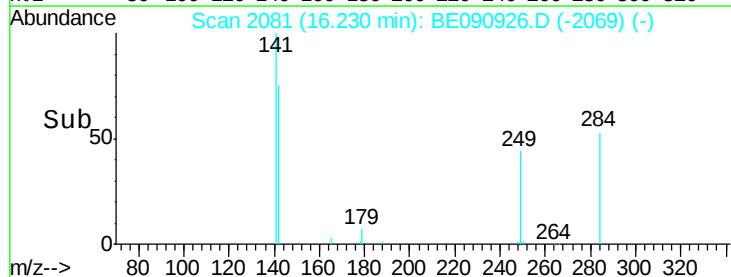
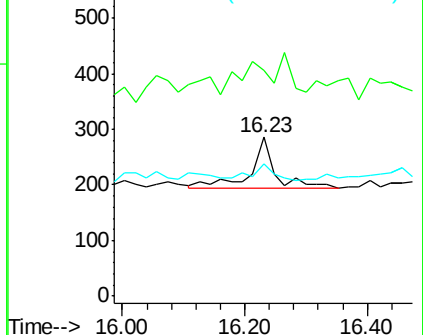
249 26.8 25.5 38.3

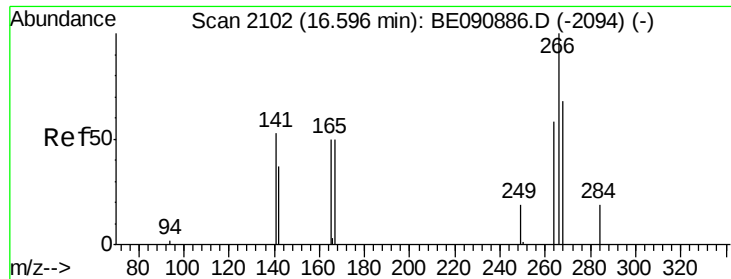


Abundance Ion 283.80 (283.50 to 284.50): E

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# 2104

Delta R.T. 0.04 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

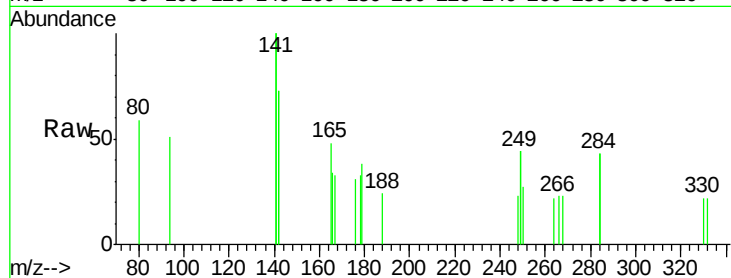
Tot Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

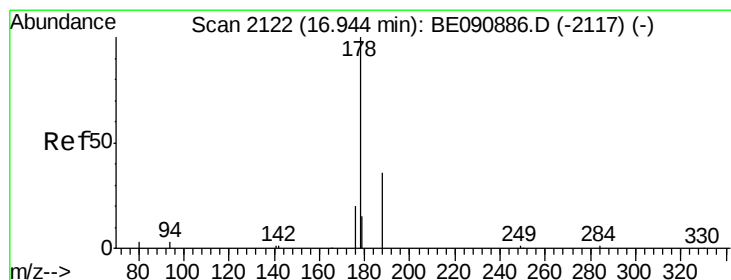
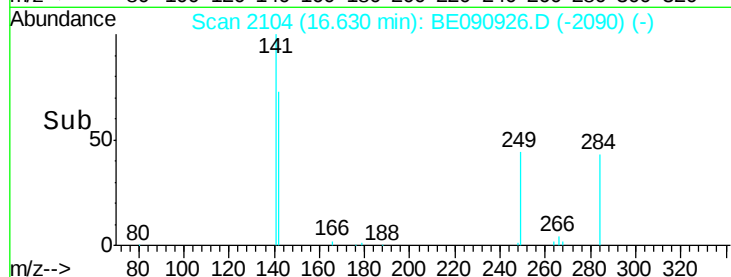
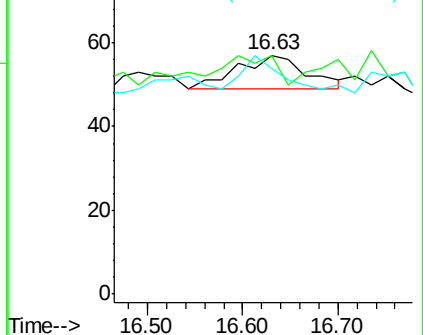
264 94.7 53.9 80.9#



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: BE090926.D

Acq: 21 Sep 2015 19:49

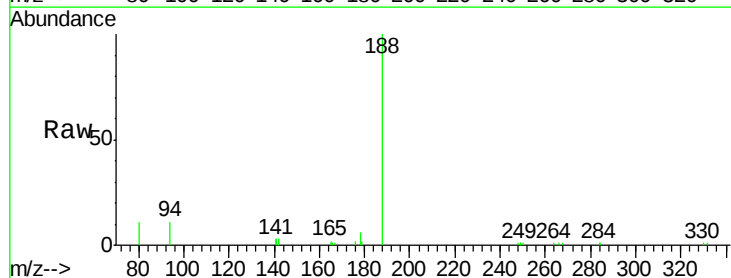
Tgt Ion:178 Resp: 817

Ion Ratio Lower Upper

178 100

176 17.0 15.6 23.4

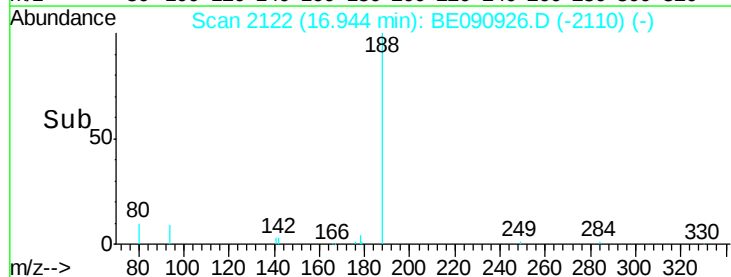
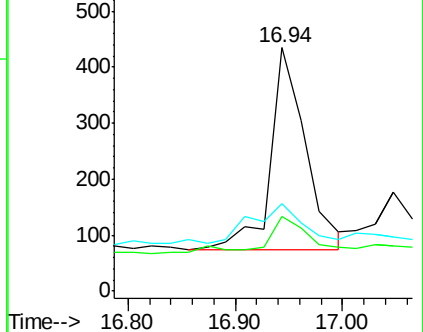
179 29.9 12.8 19.2#

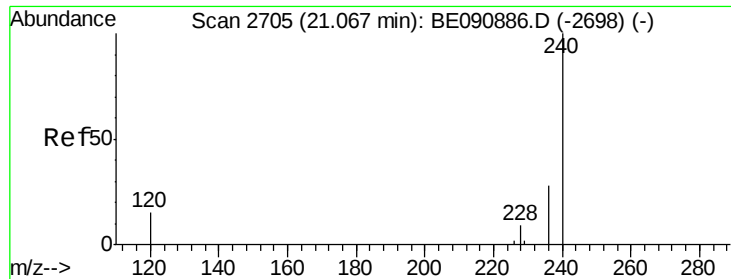


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

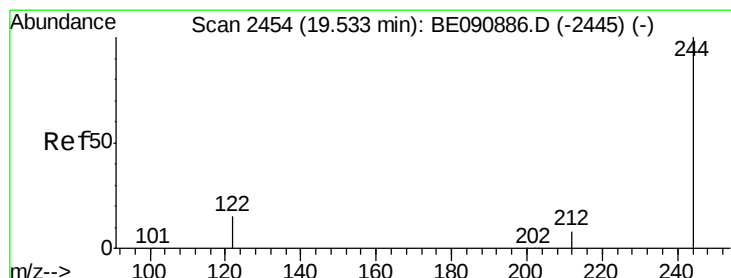
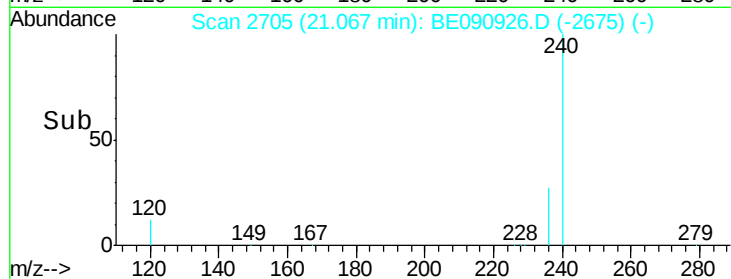
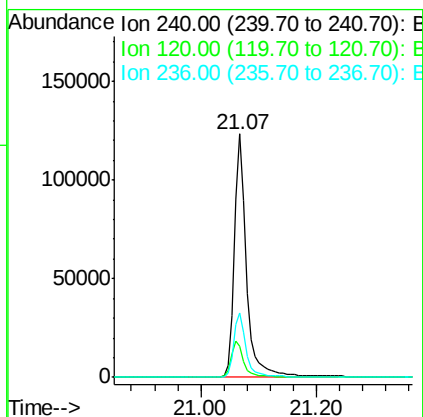
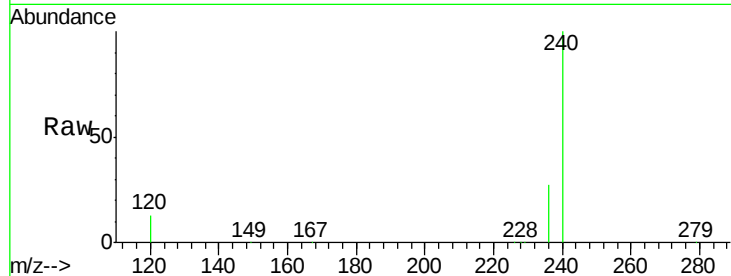




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2705
Delta R.T. 0.00 min
Lab File: BE090926.D
Acq: 21 Sep 2015 19:49

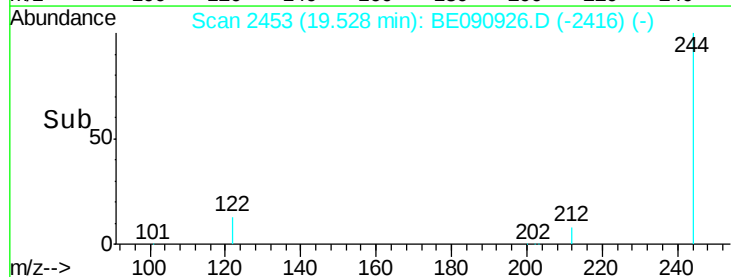
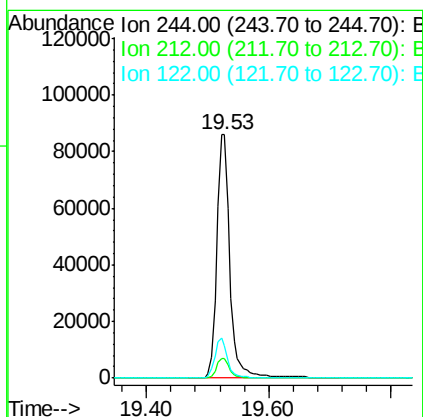
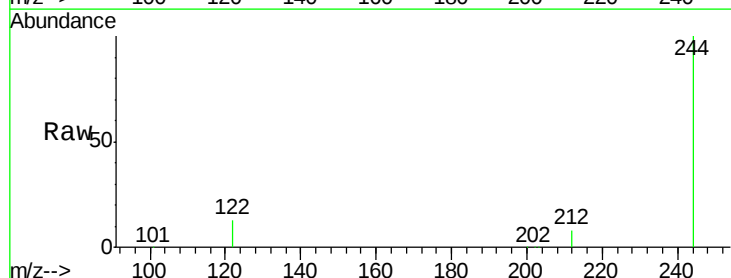
Instrument :
BNA_E
ClientSampleId :
091715-D534-F-D-M

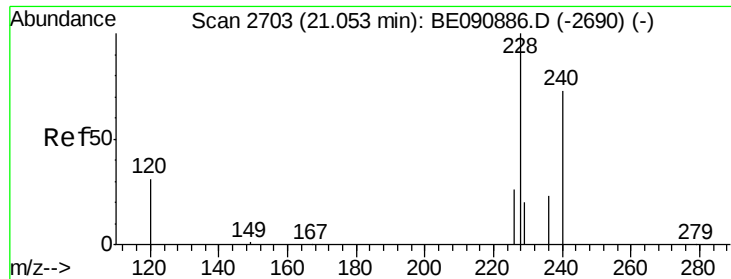
Tot Ion:240 Resp: 184460
Ion Ratio Lower Upper
240 100
120 12.6 10.1 15.1
236 26.7 21.9 32.9



#28
Terphenyl-d14
Concen: 6.16 ng
RT: 19.53 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BE090926.D
Acq: 21 Sep 2015 19:49

Tgt Ion:244 Resp: 128275
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 13.1 12.9 19.3





#29

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.06 min Scan# 2704

Delta R.T. 0.01 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

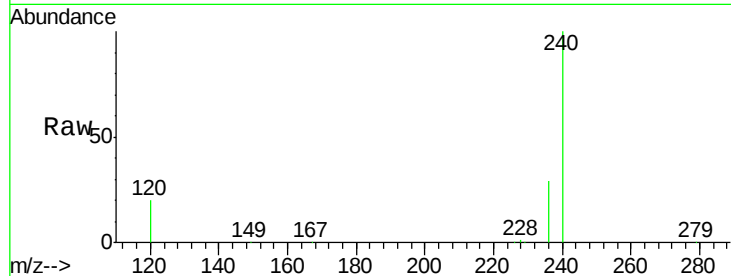
Tot Ion:228 Resp: 1060

Ion Ratio Lower Upper

228 100

226 26.6 21.6 32.4

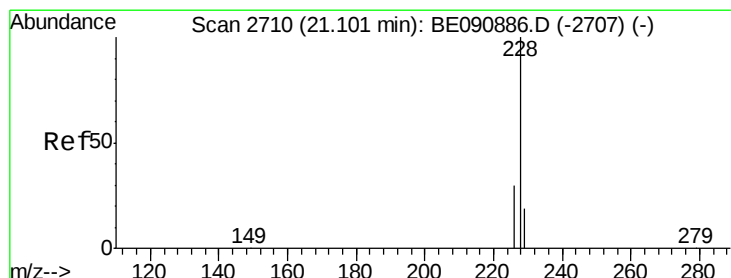
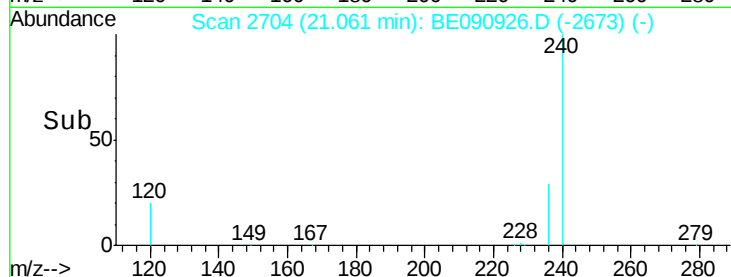
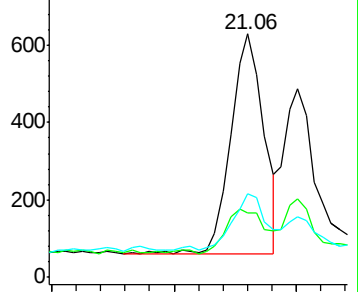
229 34.2 15.9 23.9#



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: BE090926.D

Acq: 21 Sep 2015 19:49

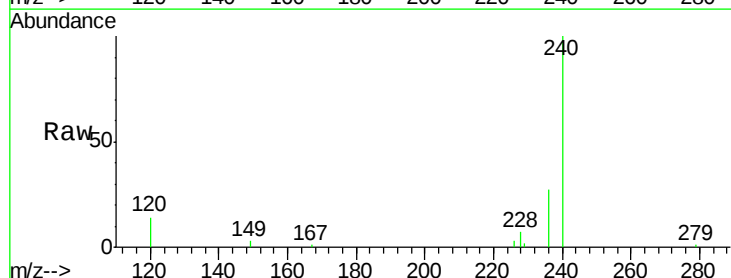
Tgt Ion:228 Resp: 758

Ion Ratio Lower Upper

228 100

226 41.5 24.2 36.4#

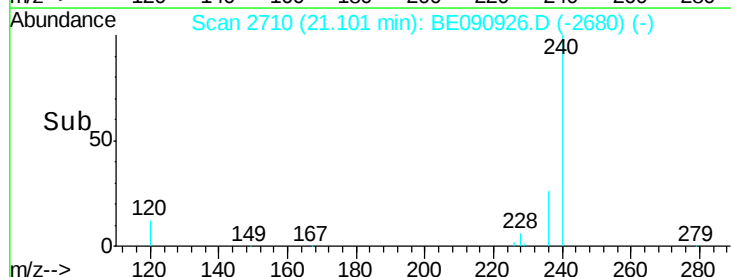
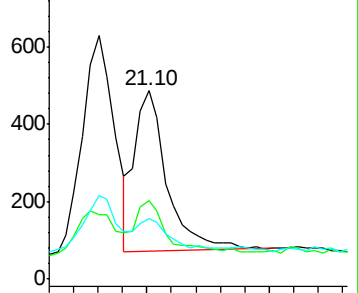
229 32.2 15.3 22.9#

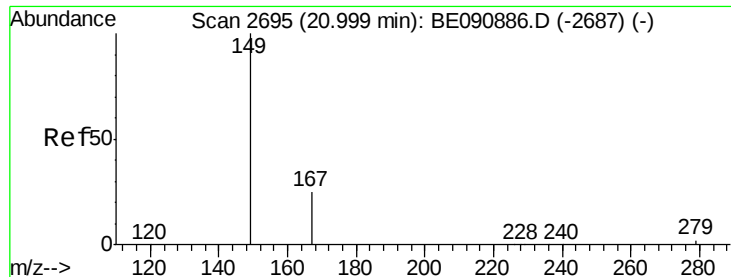


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 20.99 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-M

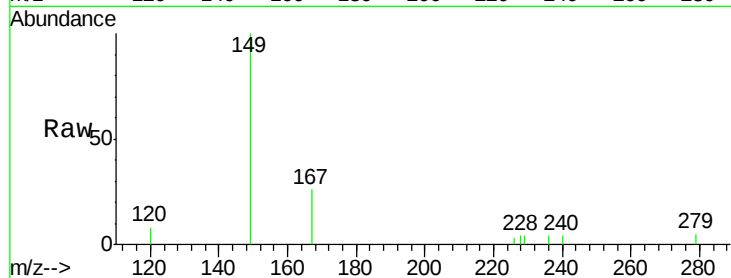
Tot Ion:149 Resp: 1948

Ion Ratio Lower Upper

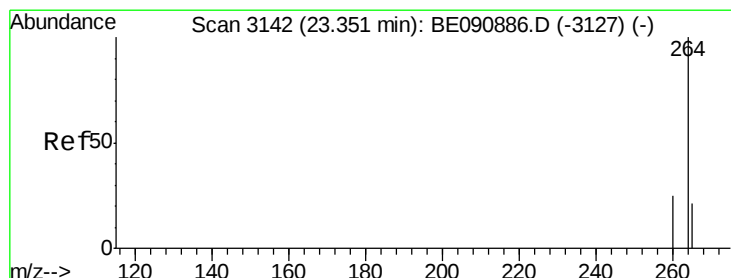
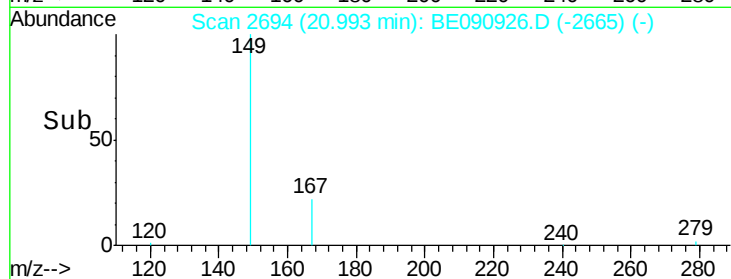
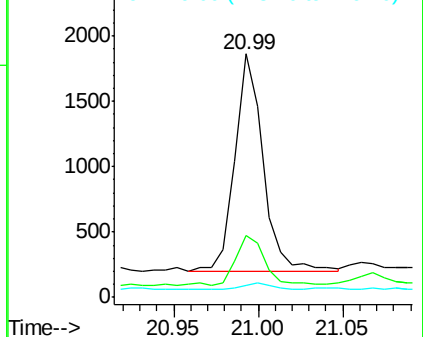
149 100

167 25.4 20.1 30.1

279 2.8 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# 3142

Delta R.T. 0.00 min

Lab File: BE090926.D

Acq: 21 Sep 2015 19:49

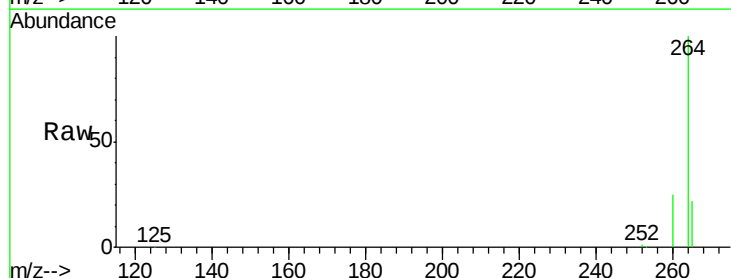
Tgt Ion:264 Resp: 170451

Ion Ratio Lower Upper

264 100

260 24.8 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

