

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090925.D
 Acq On : 21 Sep 2015 19:13
 Operator : UM/IZ
 Sample : G3745-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Sep 22 00:42:49 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

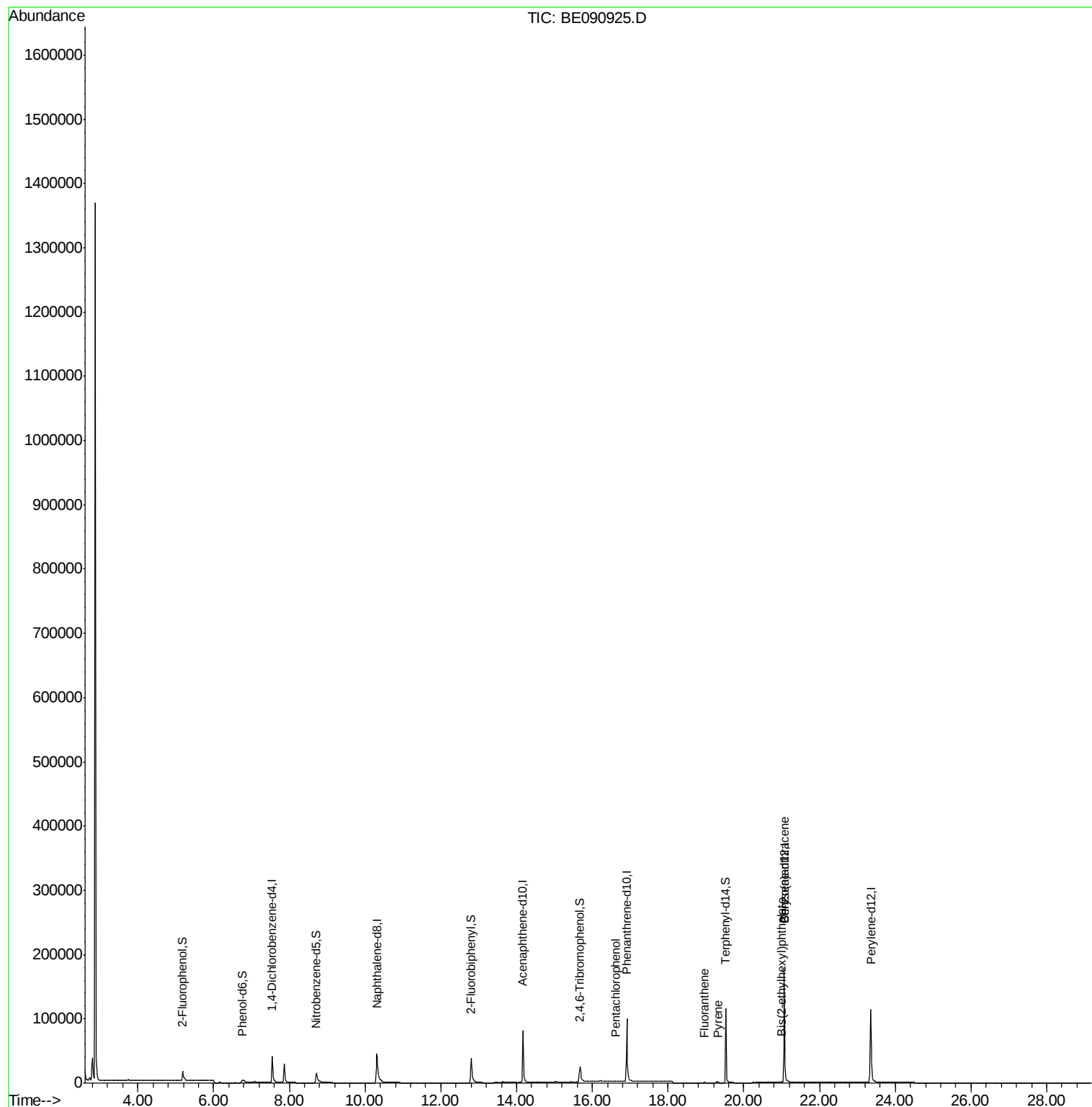
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	26935	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	111666	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	59405	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	146439	5.00	ng	0.00
26) Chrysene-d12	21.07	240	188187	5.00	ng	0.00
33) Perylene-d12	23.35	264	173974	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	18855	3.10	ng	0.00
5) Phenol-d6	6.77	99	14646	1.74	ng	0.01
8) Nitrobenzene-d5	8.71	82	30526	3.97	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	14586	6.96	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	68814	4.09	ng	0.00
28) Terphenyl-d14	19.52	244	132321	6.23	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.11	88	79	Below Cal	#	16
3) n-Nitrosodimethylamine	3.44	42	39	Below Cal	#	1
6) bis(2-Chloroethyl)ether	7.01	93	19	Below Cal	#	16
10) Naphthalene	10.35	128	159	Below Cal	#	1
11) Hexachlorobutadiene	10.64	225	4	Below Cal	#	1
18) Fluorene	15.24	166	176	Below Cal	#	72
21) Hexachlorobenzene	16.23	284	168	Below Cal	#	1
22) Pentachlorophenol	16.61	266	55	0.20 ng	#	56
23) Phenanthrene	16.94	178	1045	Below Cal	#	84
25) Fluoranthene	18.96	202	1006	0.02 ng		97
27) Pyrene	19.32	202	1098	0.03 ng	#	96
29) Benzo(a)anthracene	21.06	228	1149	0.02 ng	#	82
30) Chrysene	21.10	228	911	Below Cal	#	82
31) Bis(2-ethylhexyl)phthalate	20.99	149	2578	0.29 ng		100

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 22 00:42:49 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: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

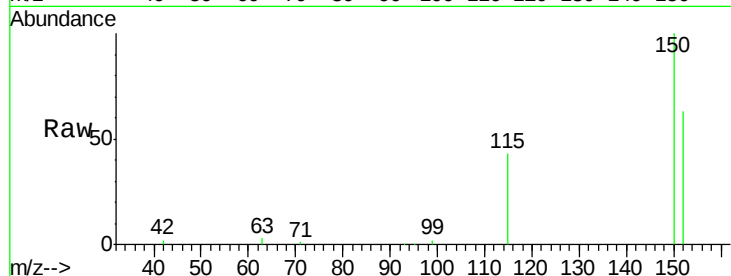
Tot Ion:152 Resp: 26935

Ion Ratio Lower Upper

152 100

150 158.3 122.2 183.4

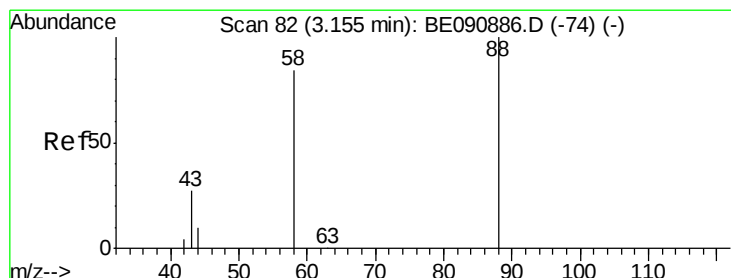
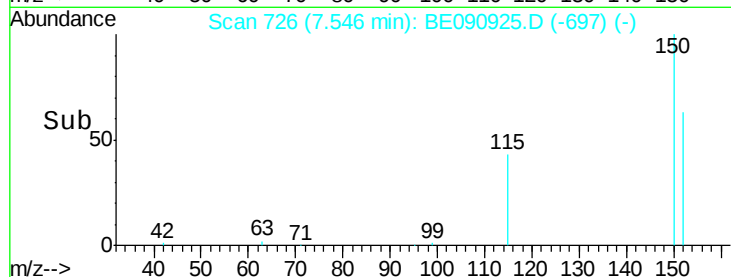
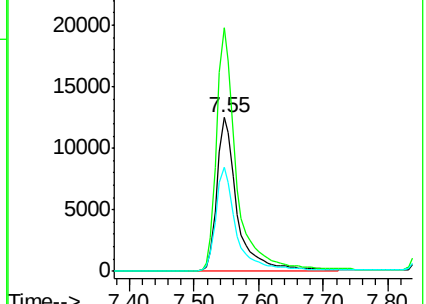
115 68.1 51.0 76.4



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: 3.11 min Scan# 76

Delta R.T. -0.04 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

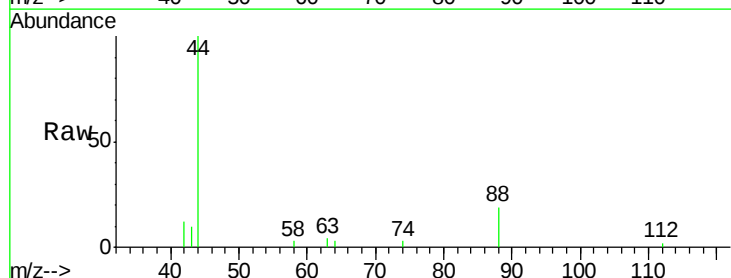
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

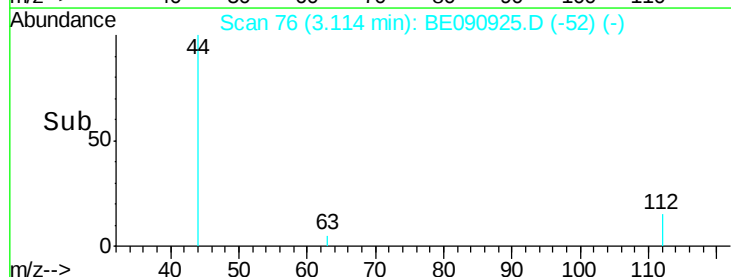
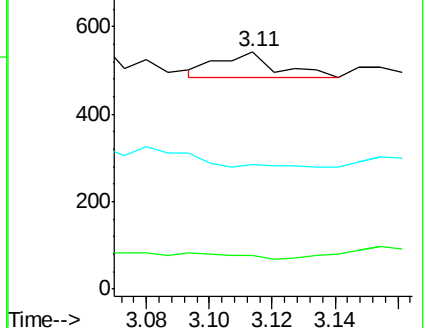
43 0.0 26.9 40.3#



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



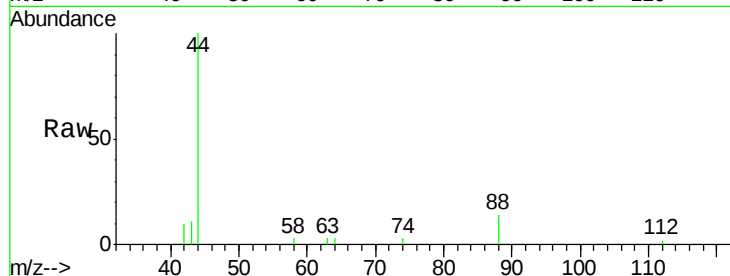


#3

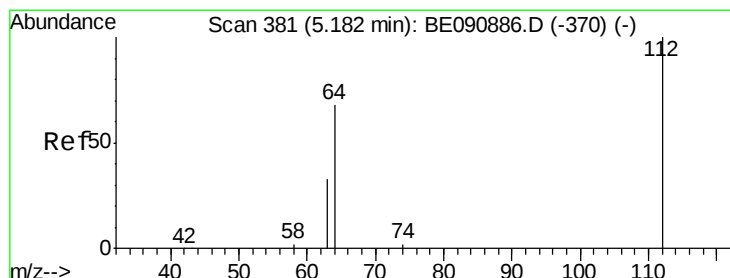
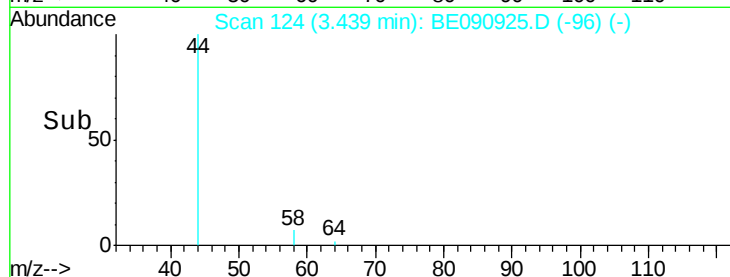
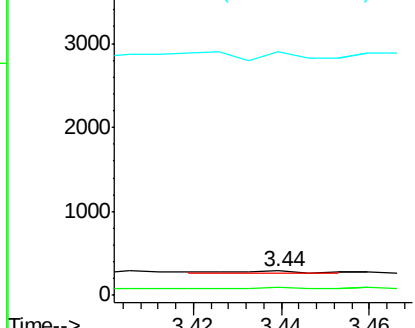
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090925.D
 Acq: 21 Sep 2015 19:13

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

Tot Ion: 42 Resp: 39
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 484.6 10.0 15.0#



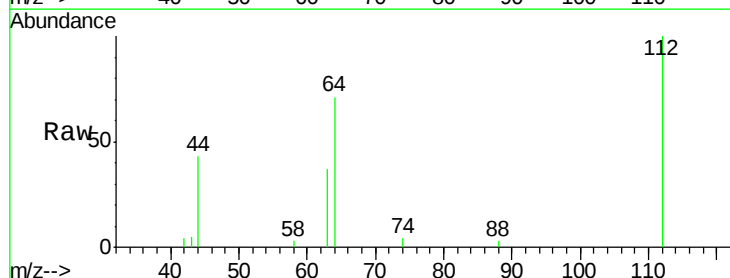
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



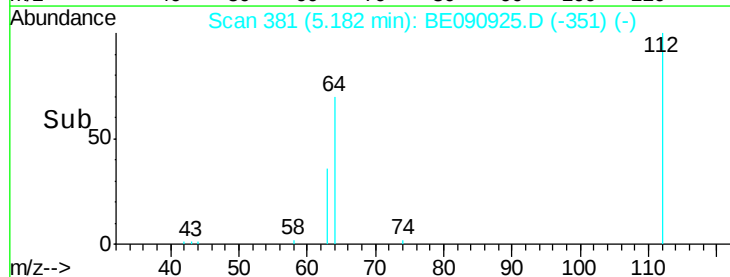
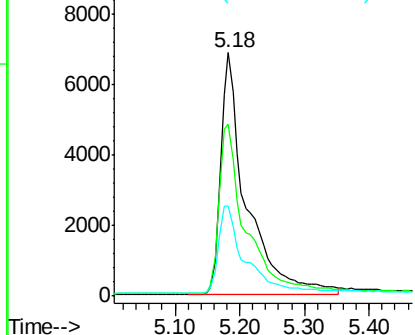
#4

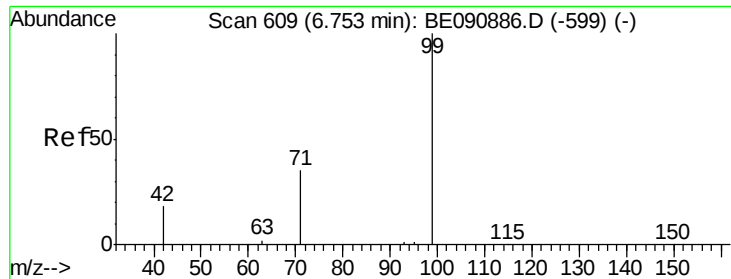
2-Fluorophenol
 Concen: 3.10 ng
 RT: 5.18 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: BE090925.D
 Acq: 21 Sep 2015 19:13

Tgt Ion: 112 Resp: 18855
 Ion Ratio Lower Upper
 112 100
 64 73.1 57.3 85.9
 63 37.8 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: 1.74 ng

RT: 6.77 min Scan# 611

Delta R.T. 0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

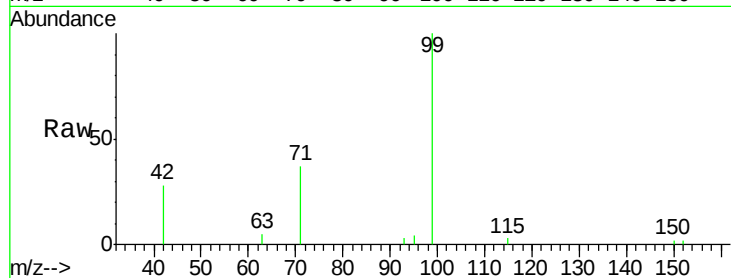
Tot Ion: 99 Resp: 14646

Ion Ratio Lower Upper

99 100

42 21.5 16.8 25.2

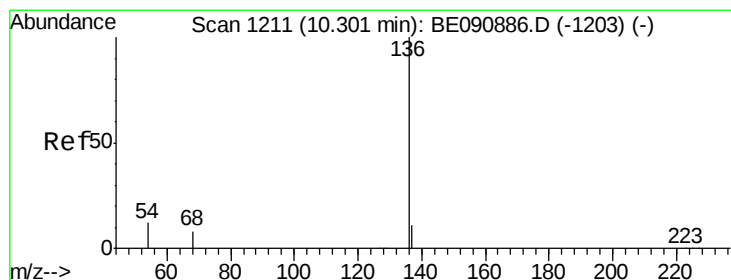
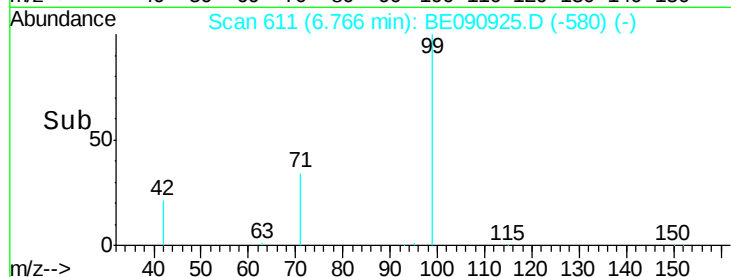
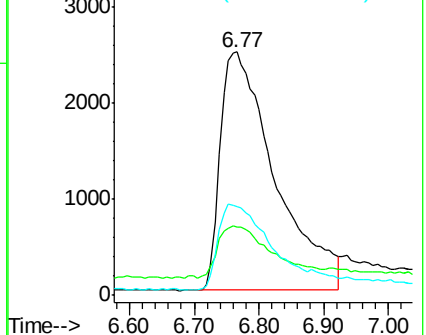
71 36.9 28.3 42.5



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

Tgt Ion: 136 Resp: 111666

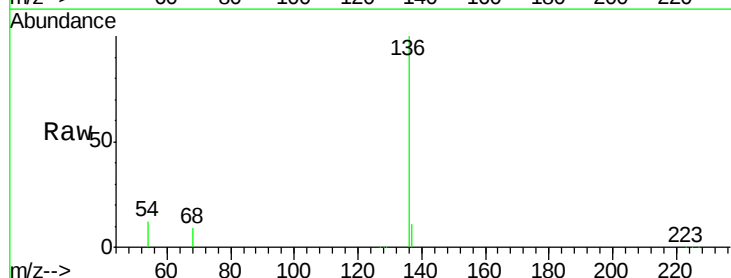
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 12.0 9.0 13.6

68 8.6 6.3 9.5

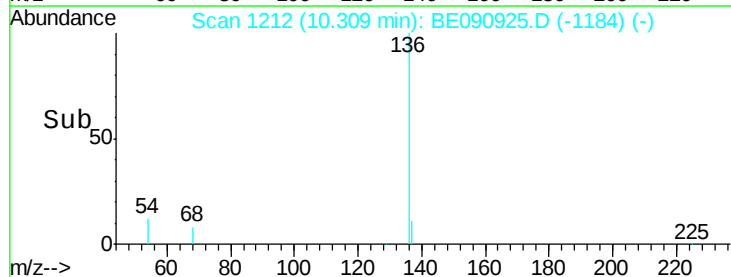
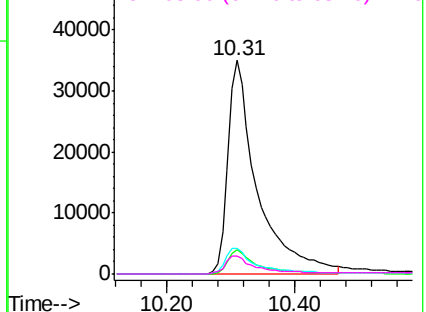


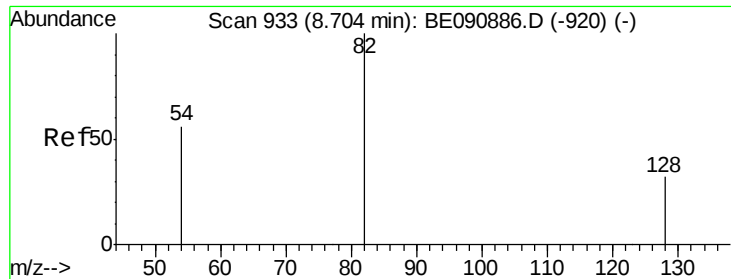
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.97 na

RT: 8.71 min Scan# 935

Delta R.T. 0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

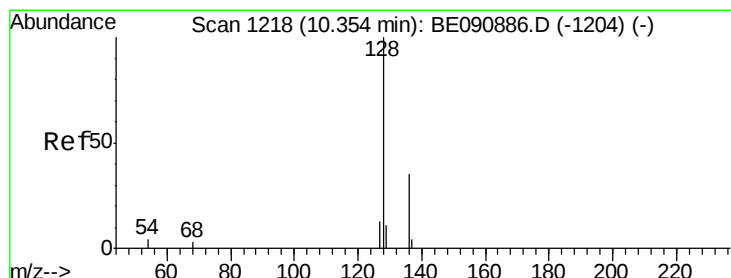
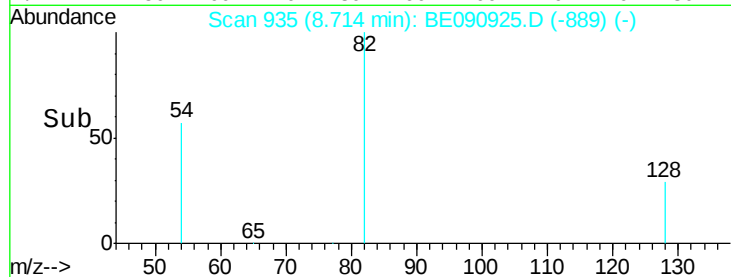
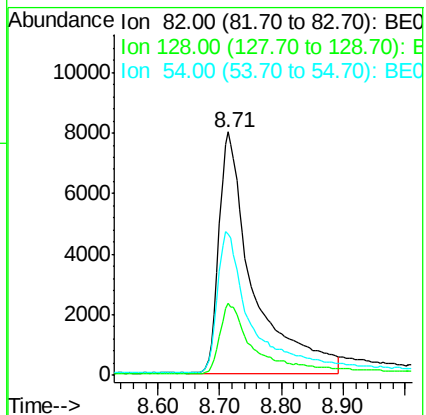
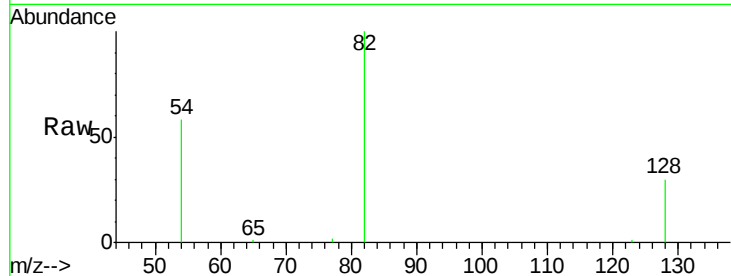
Tot Ion: 82 Resp: 30526

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.4

54 57.9 46.3 69.5



#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

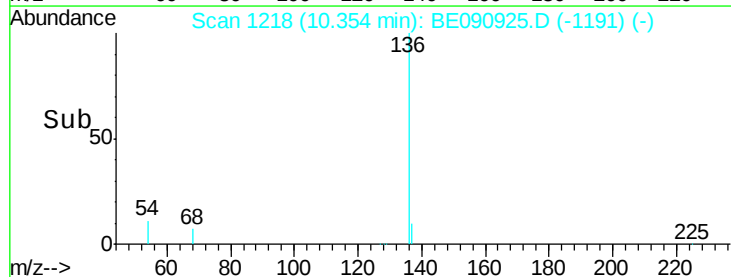
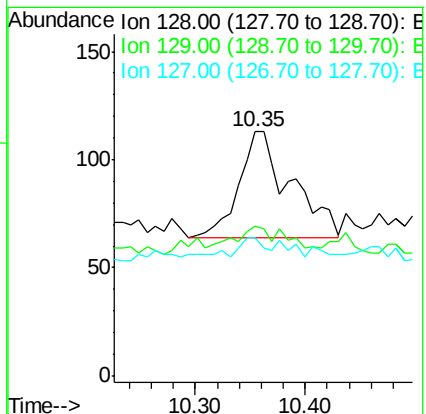
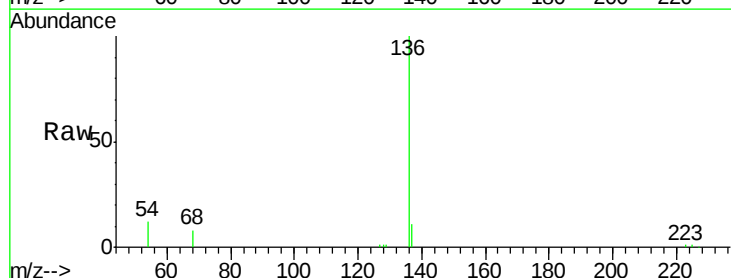
Tgt Ion: 128 Resp: 159

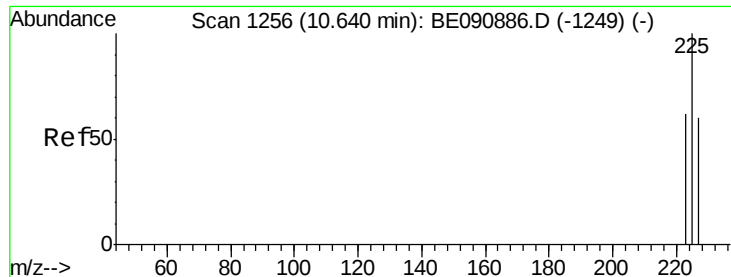
Ion Ratio Lower Upper

128 100

129 61.1 8.4 12.6#

127 56.6 9.9 14.9#

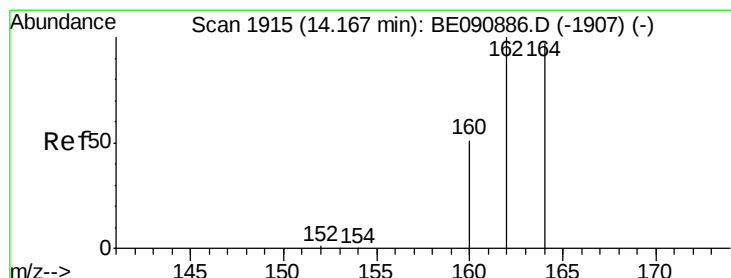
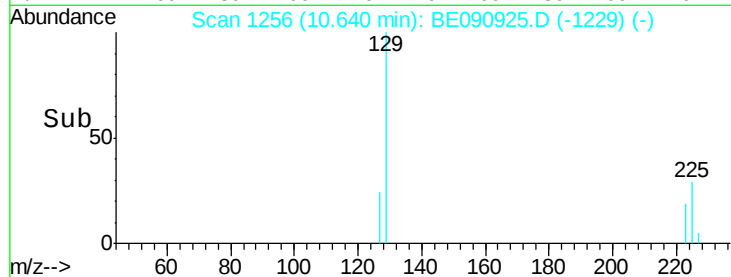
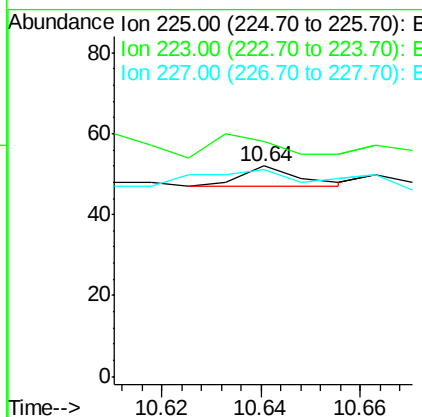
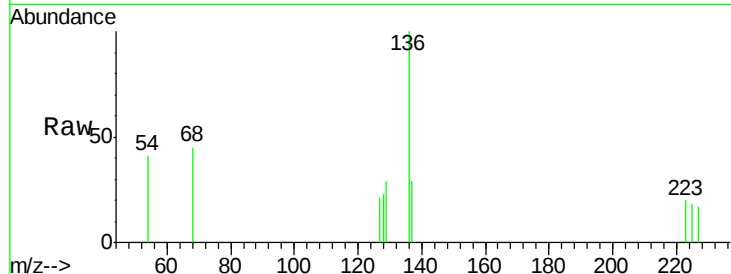




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.64 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE090925.D
Acq: 21 Sep 2015 19:13

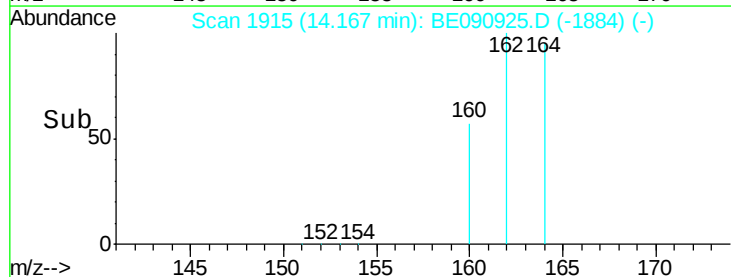
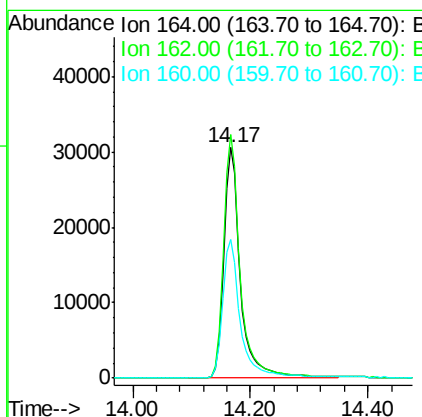
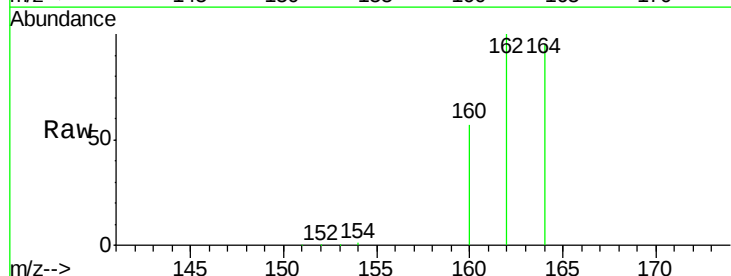
Instrument :
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091715-D534-F-D-B

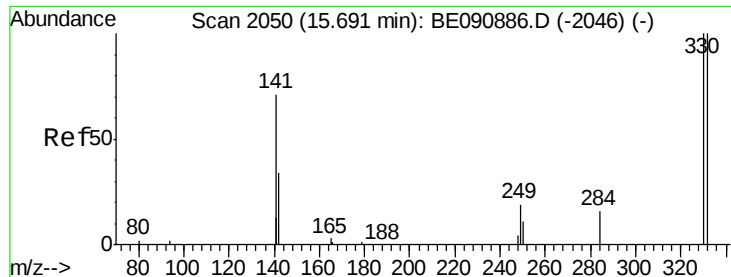
Tot Ion:225 Resp: 4
Ion Ratio Lower Upper
225 100
223 125.0 50.6 76.0#
227 225.0 51.0 76.6#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1915
Delta R.T. -0.00 min
Lab File: BE090925.D
Acq: 21 Sep 2015 19:13

Tgt Ion:164 Resp: 59405
Ion Ratio Lower Upper
164 100
162 105.6 86.8 130.2
160 60.2 53.9 80.9

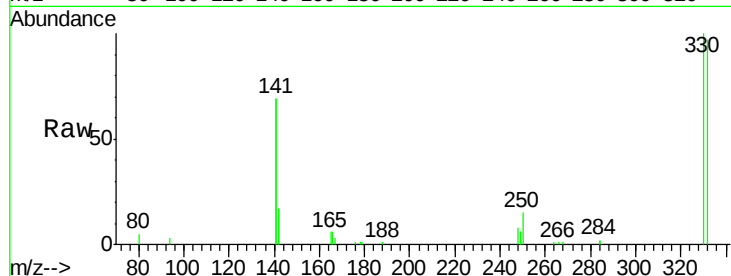




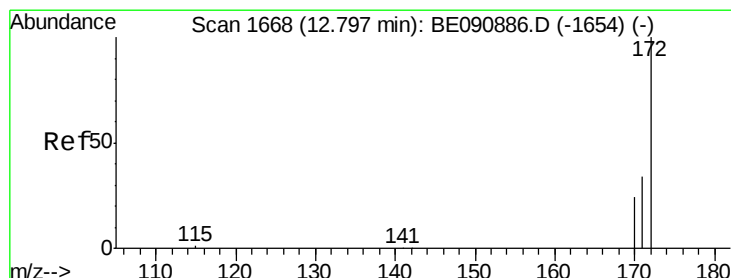
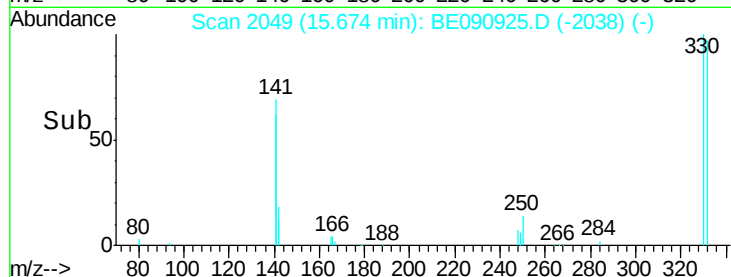
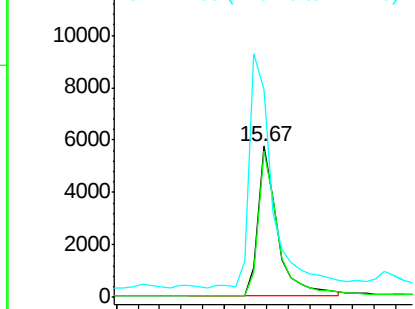
#14
 2,4,6-Tribromophenol
 Concen: 6.96 ng
 RT: 15.67 min Scan# 2049
 Delta R.T. -0.02 min
 Lab File: BE090925.D
 Acq: 21 Sep 2015 19:13

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

Tot Ion:330 Resp: 14586
 Ion Ratio Lower Upper
 330 100
 332 97.5 74.9 112.3
 141 180.8 145.2 217.8

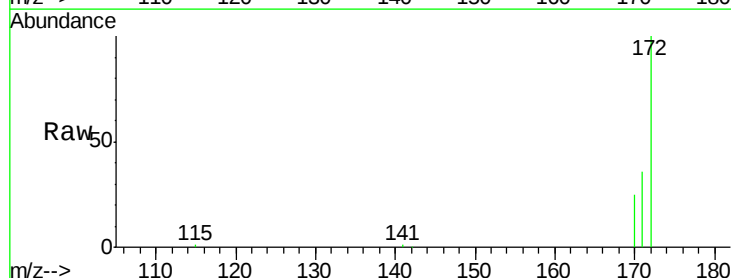


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

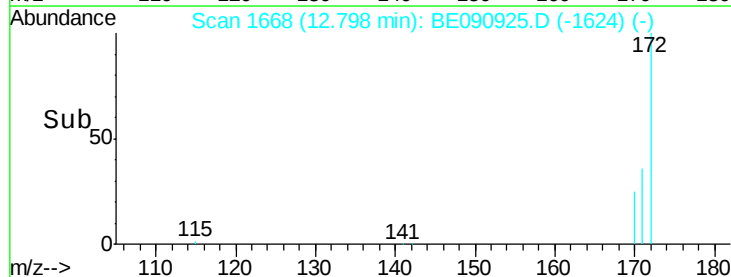
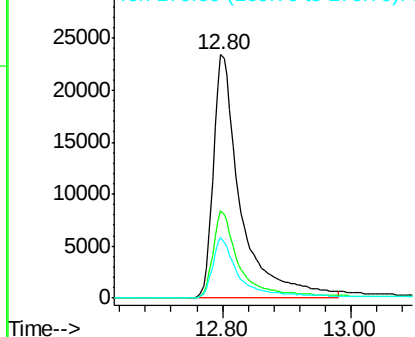


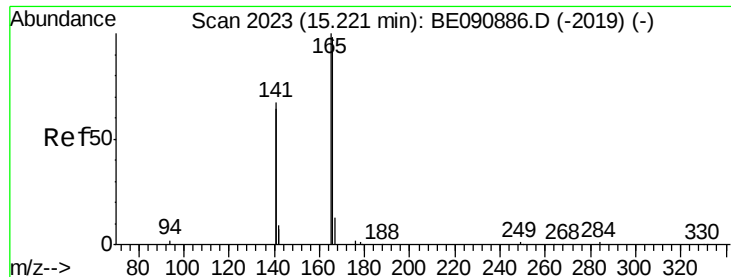
#15
 2-Fluorobiphenyl
 Concen: 4.09 ng
 RT: 12.80 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: BE090925.D
 Acq: 21 Sep 2015 19:13

Tgt Ion:172 Resp: 68814
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.8 41.8
 170 25.0 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: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

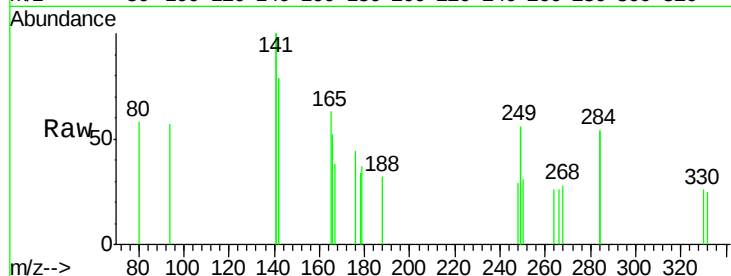
Tot Ion:166 Resp: 176

Ion Ratio Lower Upper

166 100

165 75.6 82.7 124.1#

167 0.0 10.7 16.1#



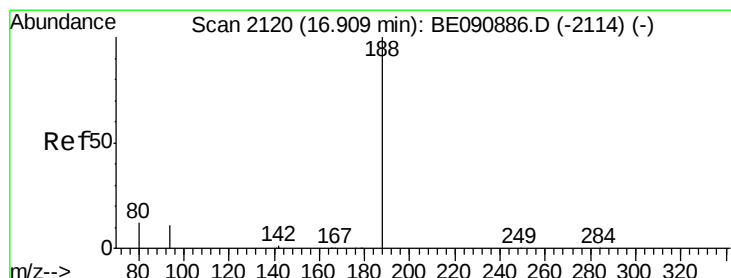
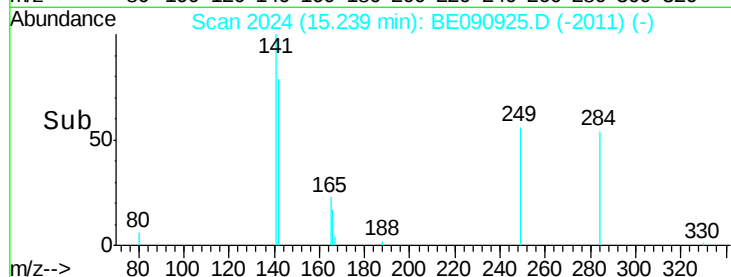
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.24

Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

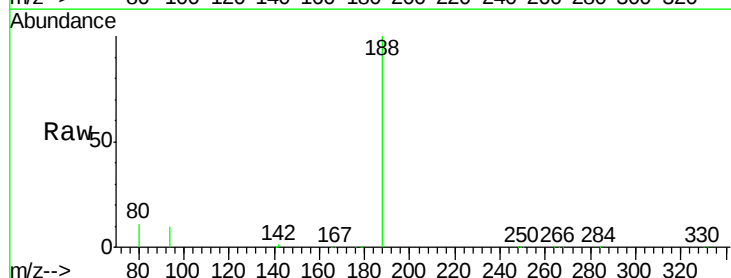
Tgt Ion:188 Resp: 146439

Ion Ratio Lower Upper

188 100

94 10.0 10.3 15.5#

80 10.8 11.0 16.6#



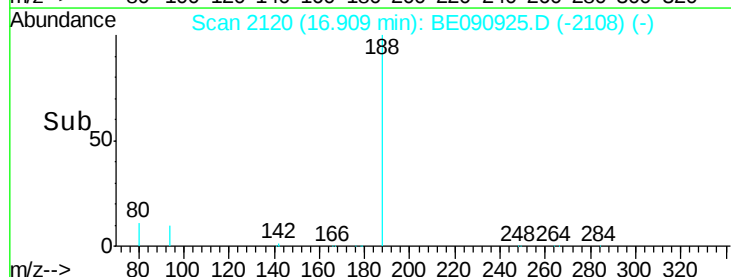
Abundance Ion 188.00 (187.70 to 188.70): E

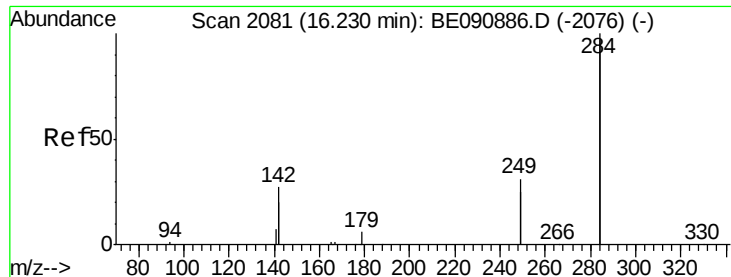
Ion 94.00 (93.70 to 94.70): BE0

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: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

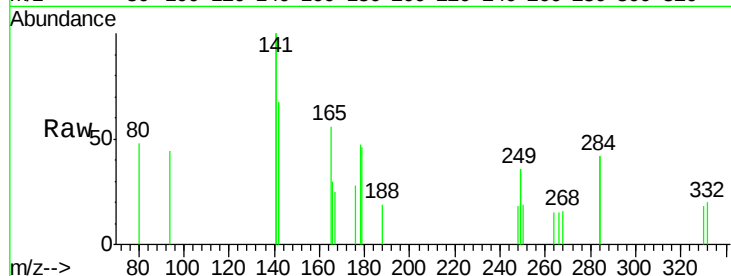
Tot Ion:284 Resp: 168

Ion Ratio Lower Upper

284 100

142 396.4 35.0 52.4#

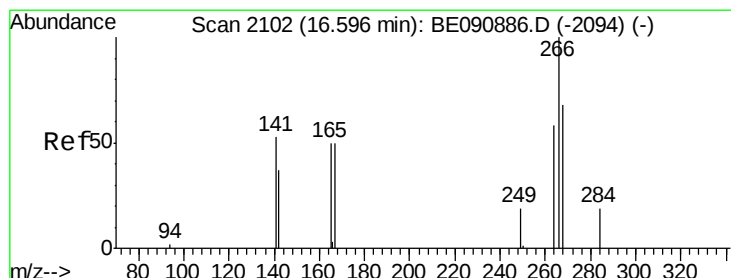
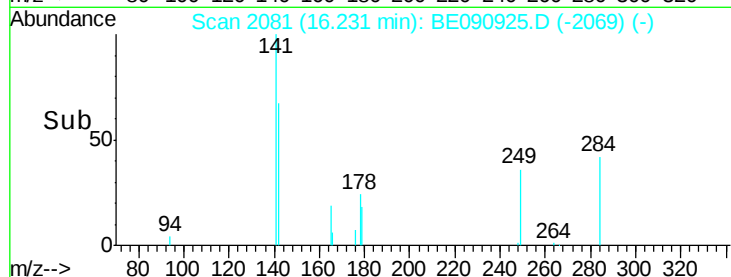
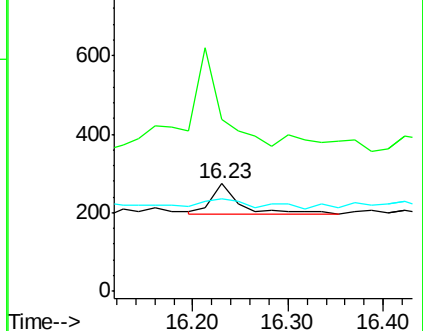
249 63.1 25.5 38.3#



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: 0.20 ng

RT: 16.61 min Scan# 2103

Delta R.T. 0.02 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

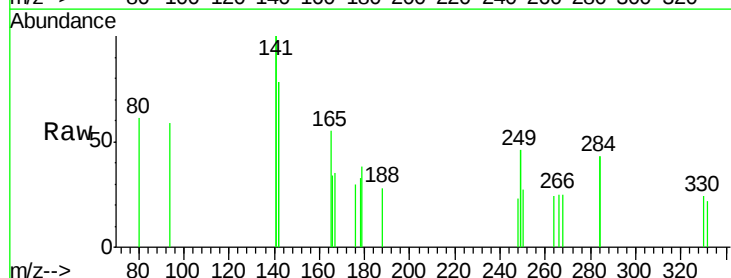
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

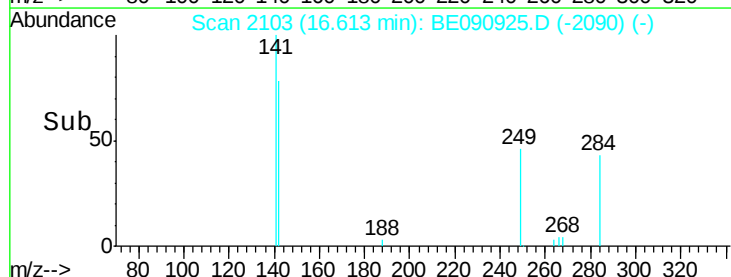
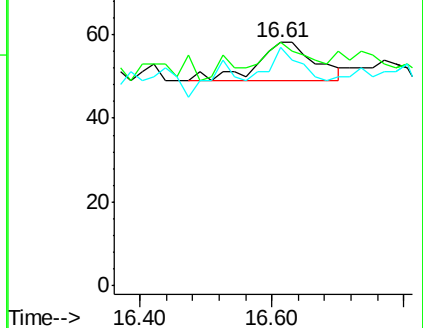
264 98.3 53.9 80.9#

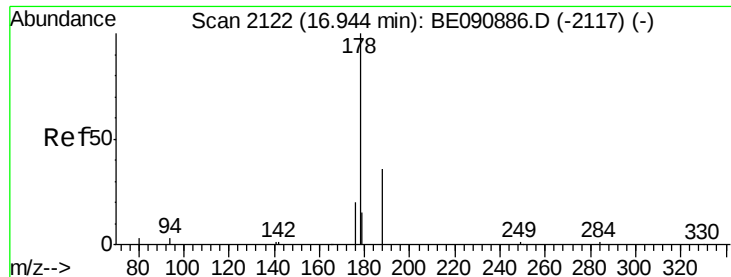


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

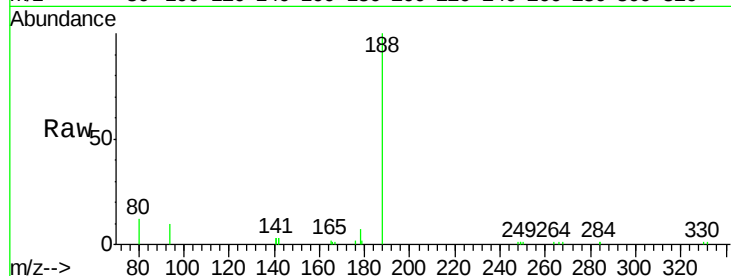
Tot Ion:178 Resp: 1045

Ion Ratio Lower Upper

178 100

176 23.3 15.6 23.4

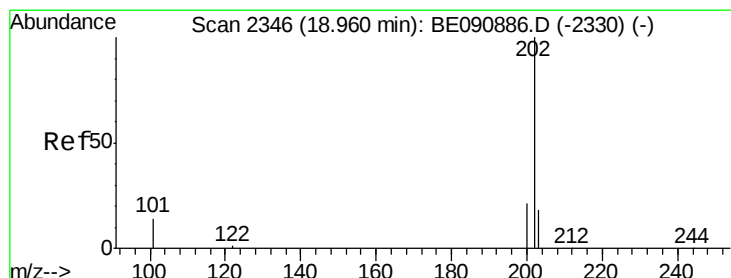
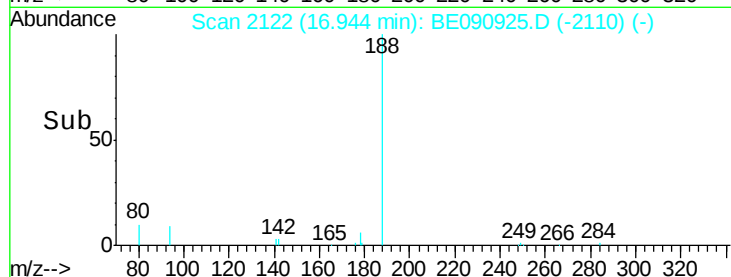
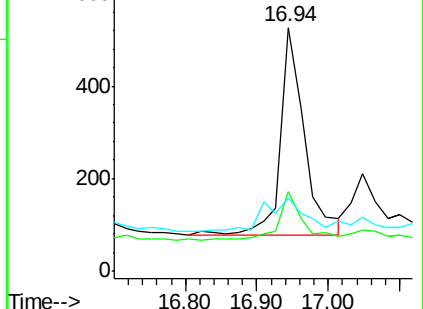
179 26.8 12.8 19.2#



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



#25

Fluoranthene

Concen: 0.02 ng

RT: 18.96 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

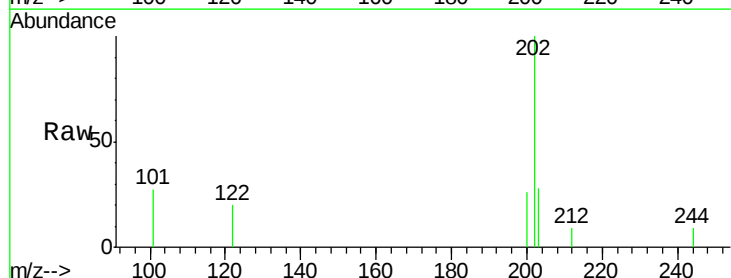
Tgt Ion:202 Resp: 1006

Ion Ratio Lower Upper

202 100

101 16.5 11.0 16.6

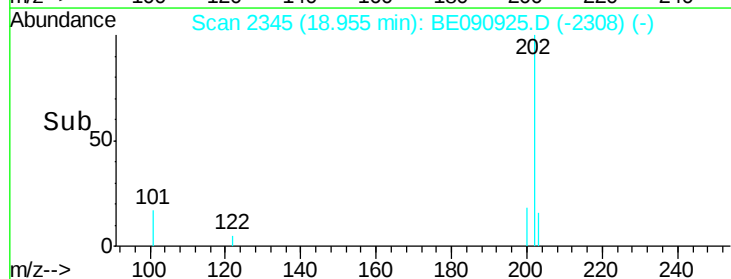
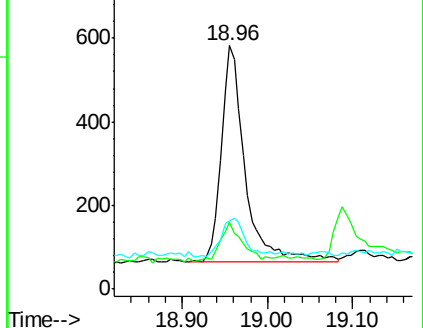
203 17.5 13.9 20.9

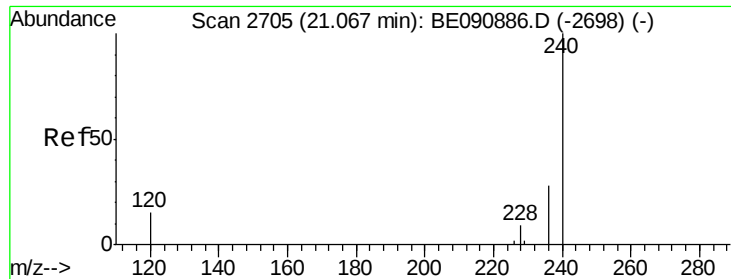


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

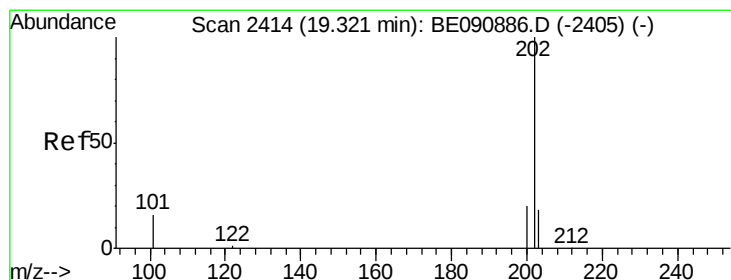
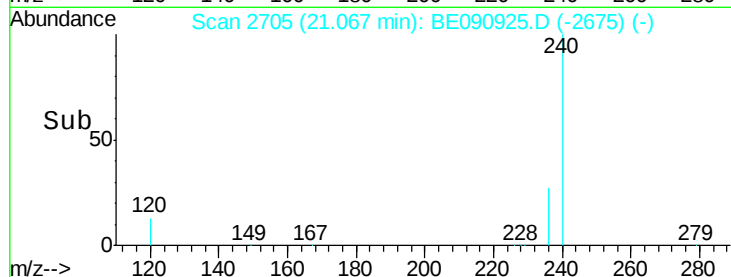
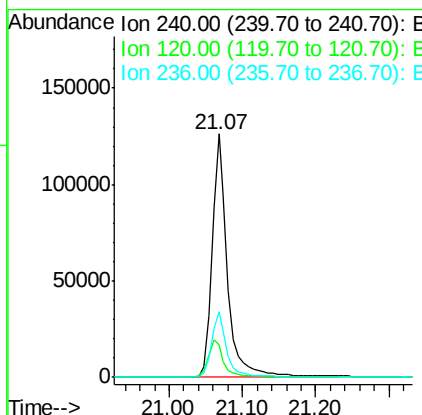
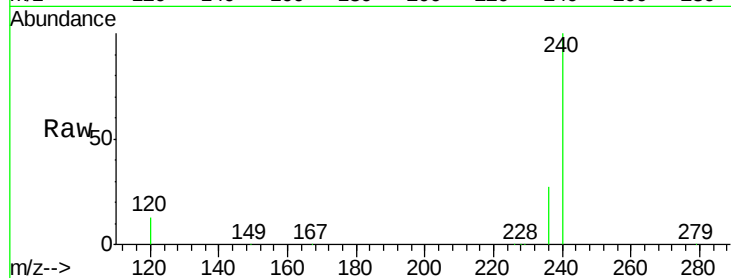




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2705
Delta R.T. 0.00 min
Lab File: BE090925.D
Acq: 21 Sep 2015 19:13

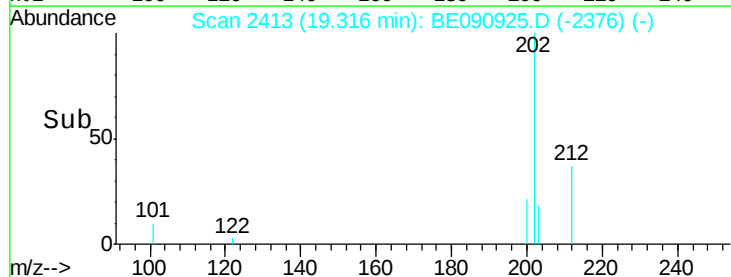
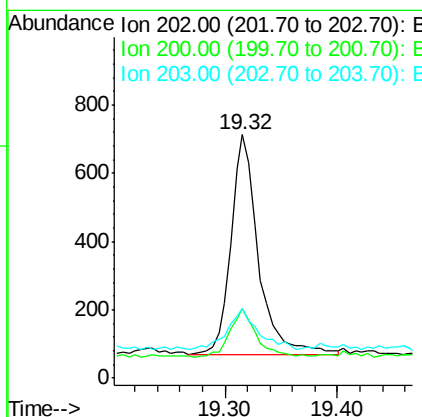
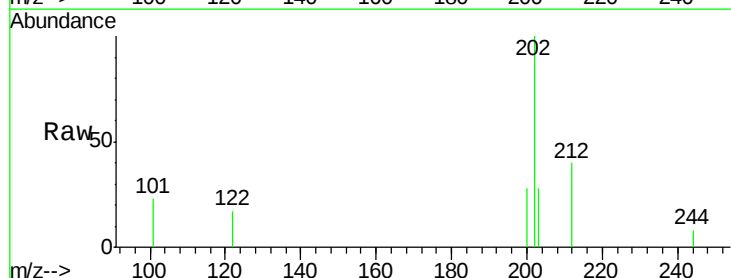
Instrument :
BNA_E
ClientSampleId :
091715-D534-F-D-B

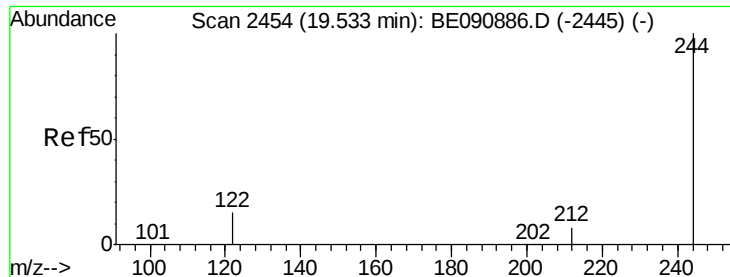
Tot Ion:240 Resp: 188187
Ion Ratio Lower Upper
240 100
120 13.1 10.1 15.1
236 27.2 21.9 32.9



#27
Pyrene
Concen: 0.03 ng
RT: 19.32 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BE090925.D
Acq: 21 Sep 2015 19:13

Tgt Ion:202 Resp: 1098
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 20.8 13.8 20.6#





#28

Terphenyl-d14

Concen: 6.23 ng

RT: 19.52 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

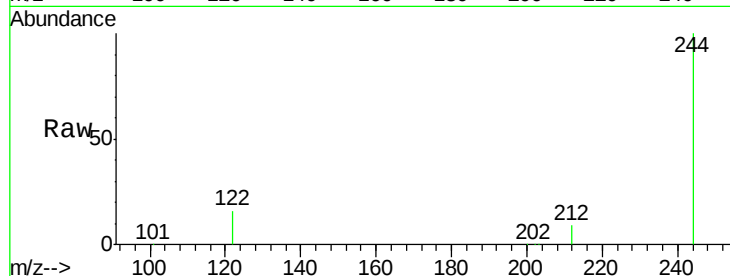
Tot Ion:244 Resp: 132321

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

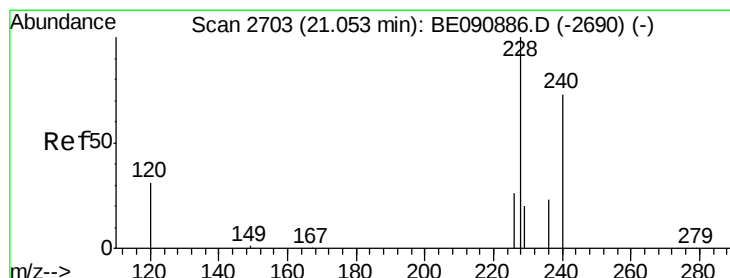
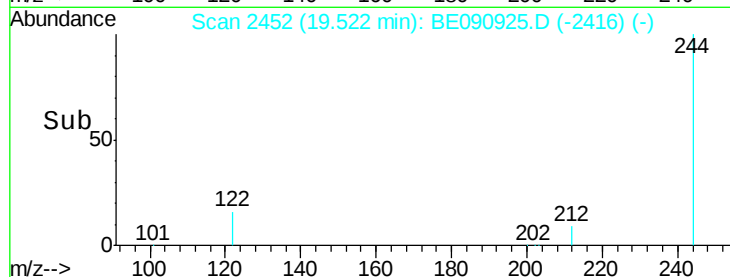
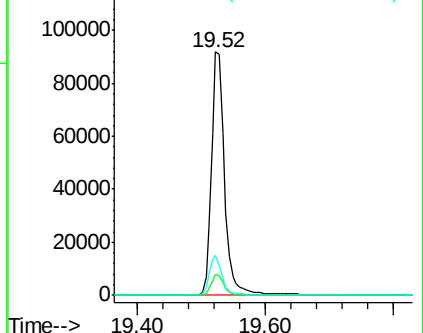
122 16.5 12.9 19.3



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: BE090925.D

Acq: 21 Sep 2015 19:13

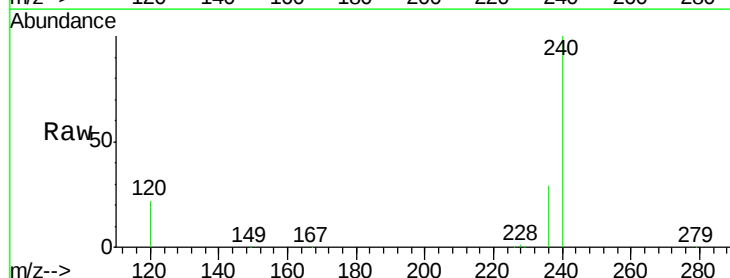
Tgt Ion:228 Resp: 1149

Ion Ratio Lower Upper

228 100

226 32.7 21.6 32.4#

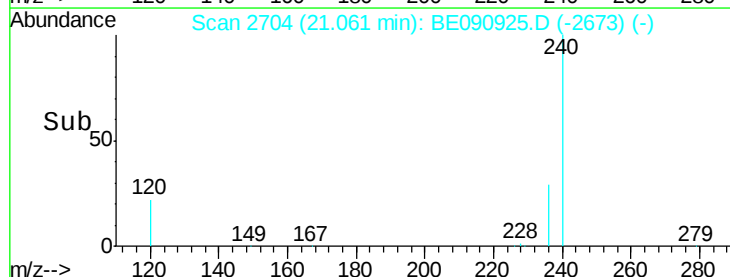
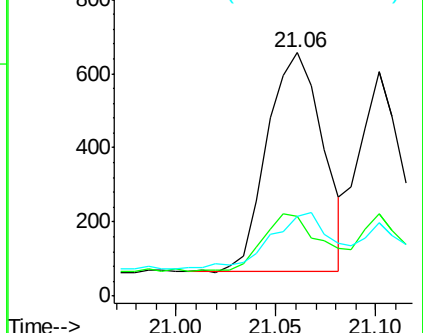
229 32.9 15.9 23.9#

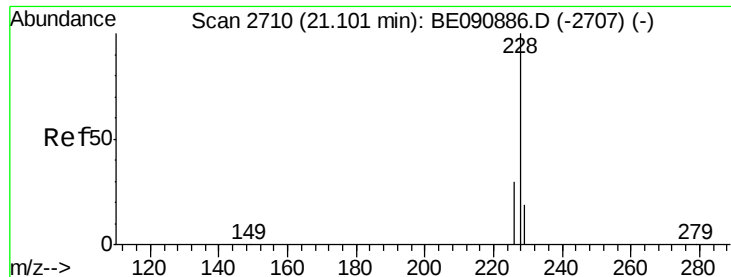


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE090925.D

Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B

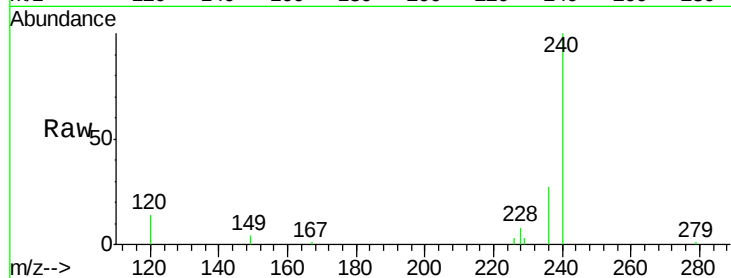
Tot Ion:228 Resp: 911

Ion Ratio Lower Upper

228 100

226 36.4 24.2 36.4#

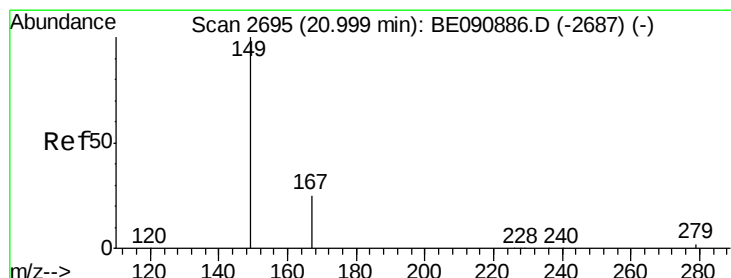
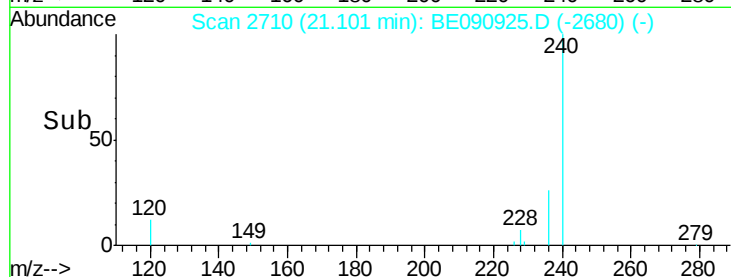
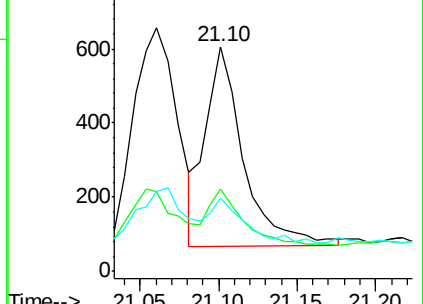
229 32.6 15.3 22.9#



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: 0.29 ng

RT: 20.99 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BE090925.D

Acq: 21 Sep 2015 19:13

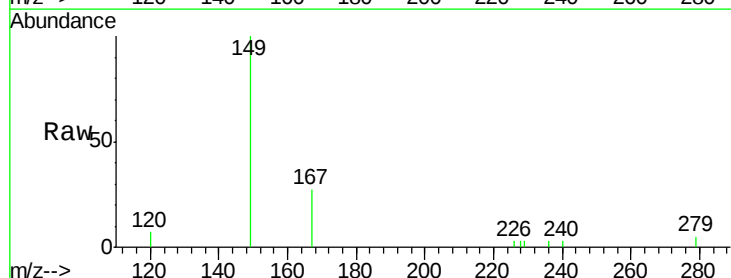
Tgt Ion:149 Resp: 2578

Ion Ratio Lower Upper

149 100

167 25.2 20.1 30.1

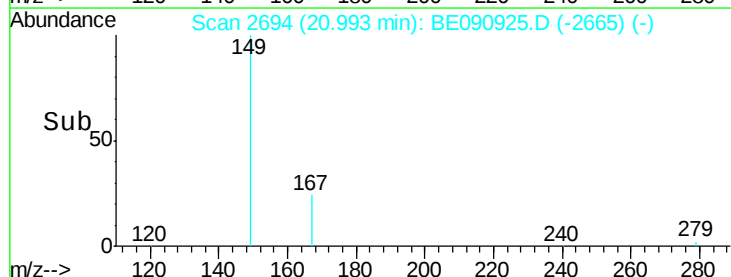
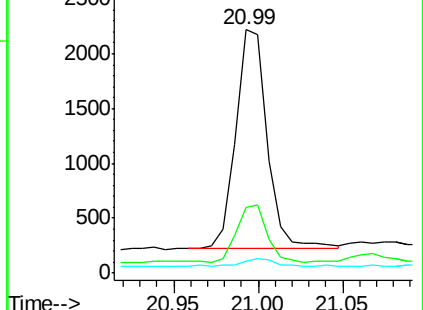
279 3.5 2.3 3.5

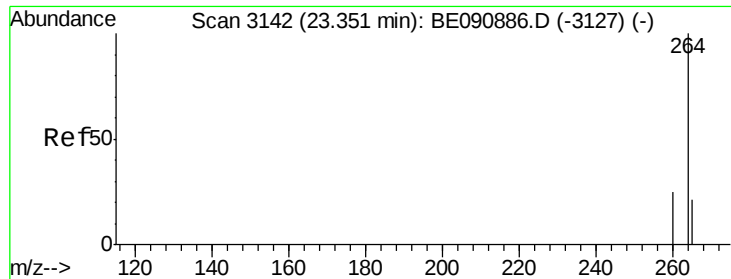


Abundance Ion 149.00 (148.70 to 149.70): E

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# 3142

Delta R.T. 0.00 min

Lab File: BE090925.D

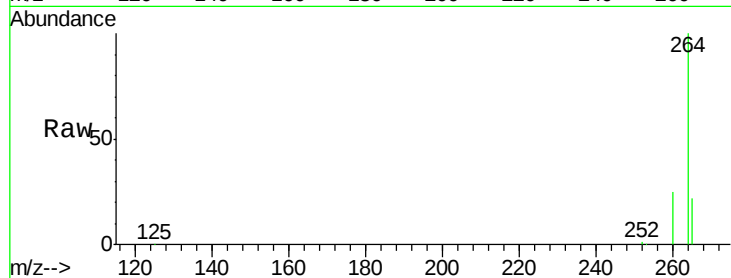
Acq: 21 Sep 2015 19:13

Instrument :

BNA_E

ClientSampleId :

091715-D534-F-D-B



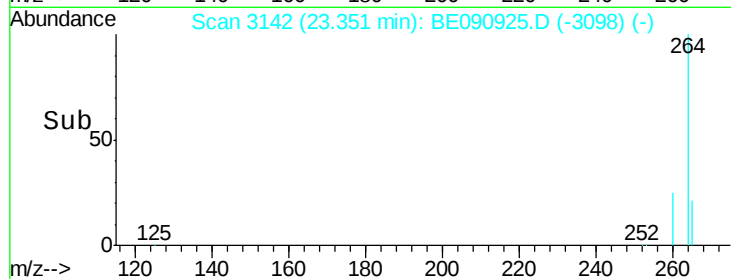
Tot Ion:264 Resp: 173974

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

265 21.7 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

