

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
 Data File : BE090934.D
 Acq On : 22 Sep 2015 00:38
 Operator : UM/IZ
 Sample : G3746-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 22 01:11:55 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	25970	5.00	ng	0.00
7) Naphthalene-d8	10.31	136	109962	5.00	ng	0.00
13) Acenaphthene-d10	14.17	164	58222	5.00	ng	0.00
19) Phenanthrene-d10	16.91	188	145720	5.00	ng	0.00
26) Chrysene-d12	21.07	240	188717	5.00	ng	0.00
33) Perylene-d12	23.35	264	173622	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	17629	3.00	ng	0.00
5) Phenol-d6	6.77	99	13397	1.65	ng	0.01
8) Nitrobenzene-d5	8.71	82	30160	3.98	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	15056	7.33	ng	-0.02
15) 2-Fluorobiphenyl	12.80	172	70181	4.25	ng	0.00
28) Terphenyl-d14	19.53	244	131294	6.17	ng	0.00

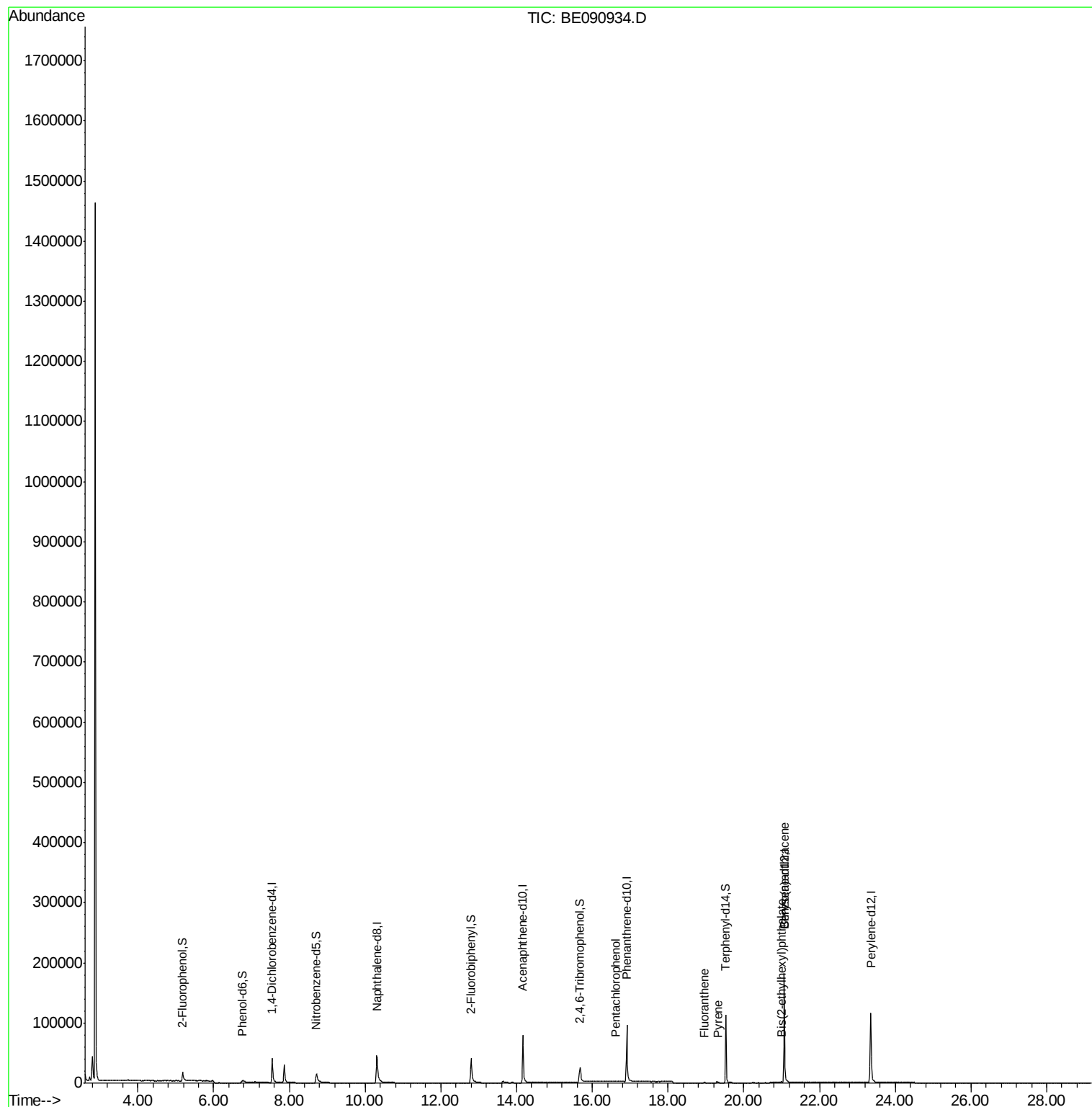
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	92	Below Cal	#	16
3) n-Nitrosodimethylamine	3.45	42	41	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.98	93	11	Below Cal	#	1
10) Naphthalene	10.35	128	108	Below Cal	#	1
11) Hexachlorobutadiene	10.63	225	4	Below Cal	#	18
18) Fluorene	15.24	166	214	Below Cal	#	71
21) Hexachlorobenzene	16.23	284	29	Below Cal	#	1
22) Pentachlorophenol	16.61	266	22	0.19 ng	#	59
23) Phenanthrene	16.94	178	961	Below Cal	#	85
25) Fluoranthene	18.96	202	913	0.02 ng	#	97
27) Pyrene	19.32	202	922	0.02 ng	#	96
29) Benzo(a)anthracene	21.06	228	1028	0.02 ng	#	78
30) Chrysene	21.10	228	555	Below Cal	#	68
31) Bis(2-ethylhexyl)phthalate	20.99	149	2105	0.27 ng	#	98

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

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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: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

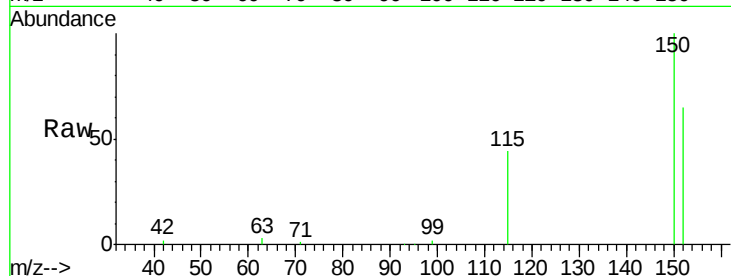
Tot Ion:152 Resp: 25970

Ion Ratio Lower Upper

152 100

150 155.0 122.2 183.4

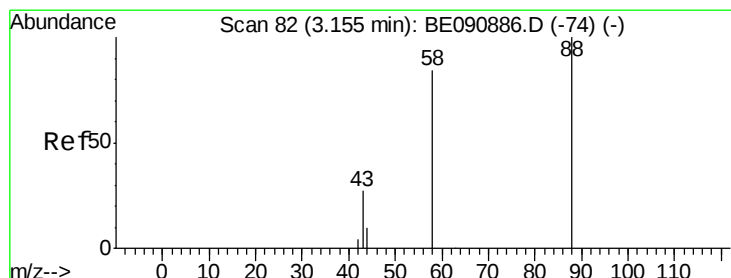
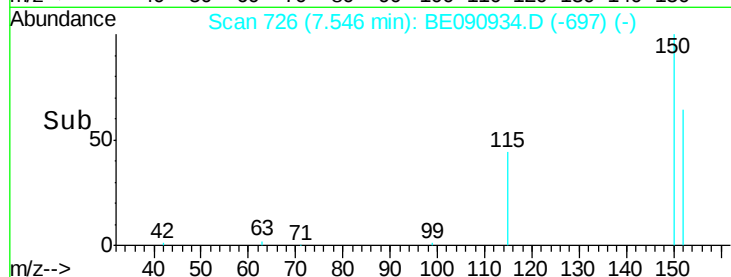
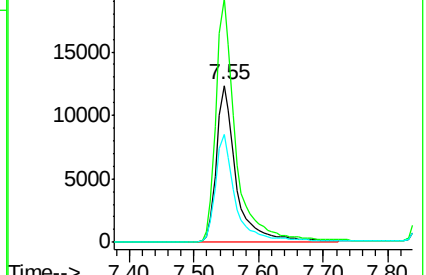
115 68.5 51.0 76.4



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: 3.09 min Scan# 73

Delta R.T. -0.06 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

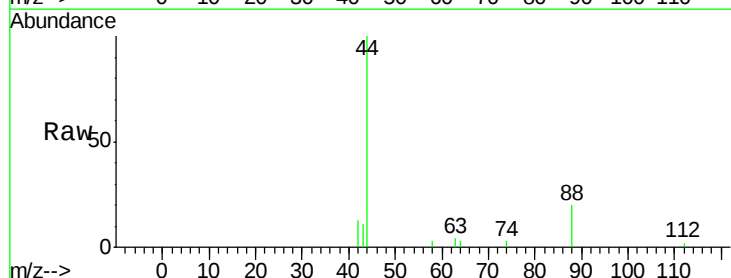
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

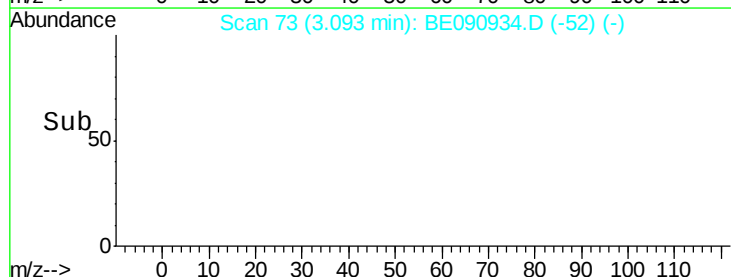
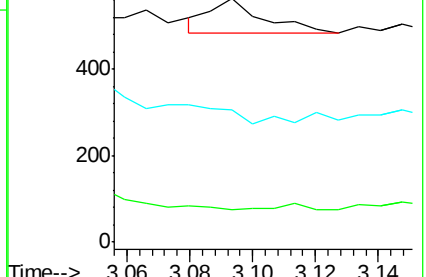
43 0.0 26.9 40.3#



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



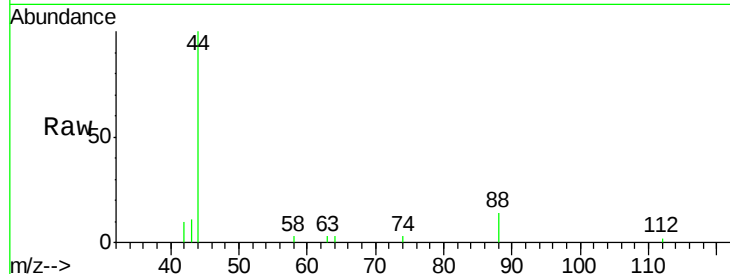


#3

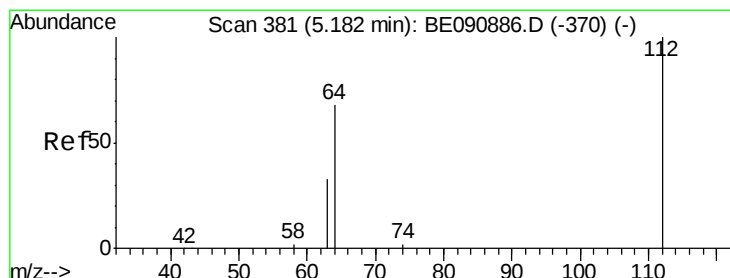
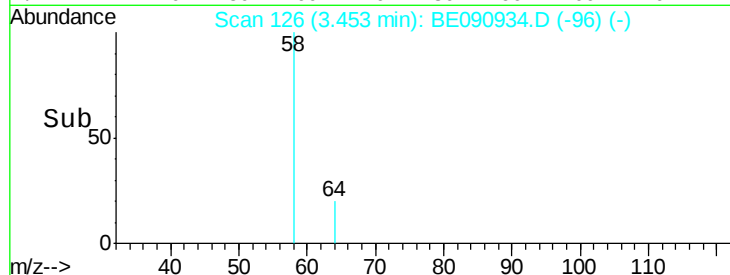
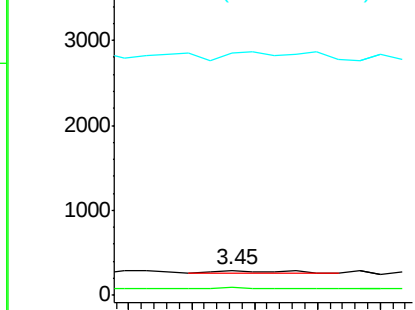
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090934.D
 Acq: 22 Sep 2015 00:38

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

Tot Ion: 42 Resp: 41
 Ion Ratio Lower Upper
 42 100
 74 31.7 83.7 125.5#
 44 468.3 10.0 15.0#



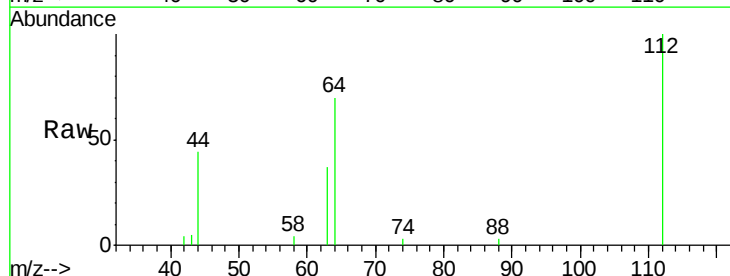
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



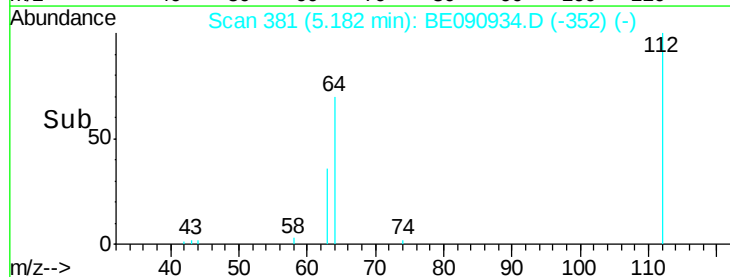
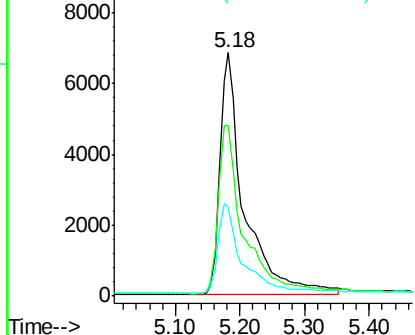
#4

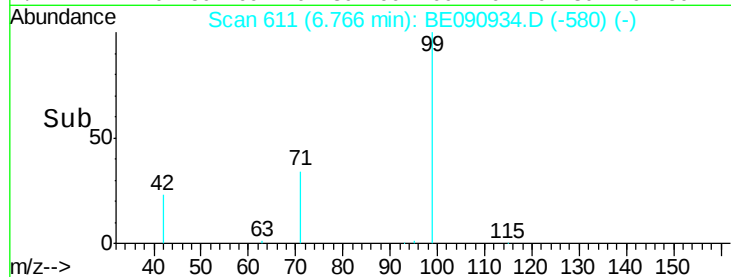
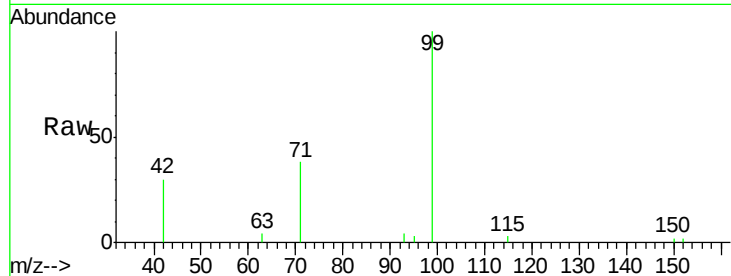
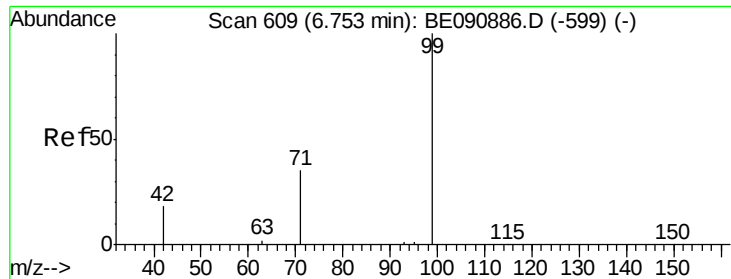
2-Fluorophenol
 Concen: 3.00 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090934.D
 Acq: 22 Sep 2015 00:38

Tgt Ion: 112 Resp: 17629
 Ion Ratio Lower Upper
 112 100
 64 72.9 57.3 85.9
 63 35.8 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: 1.65 ng

RT: 6.77 min Scan# 611

Delta R.T. 0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

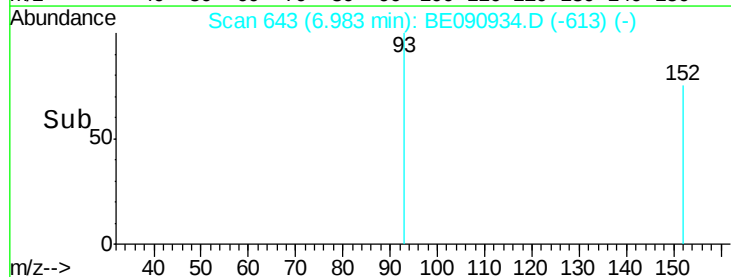
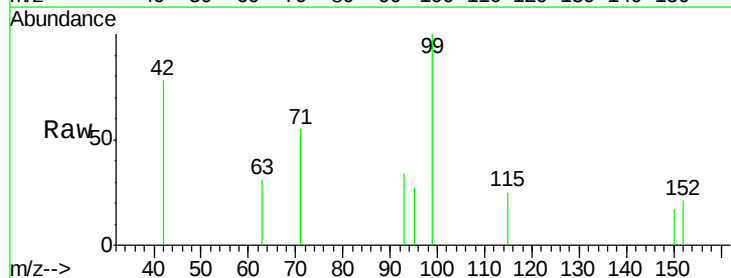
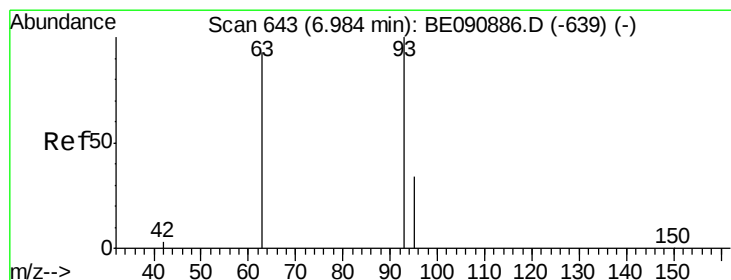
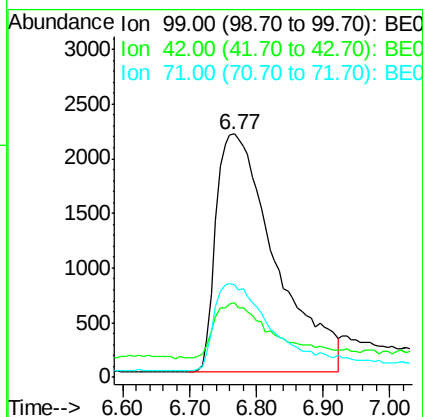
Tot Ion: 99 Resp: 13397

Ion Ratio Lower Upper

99 100

42 22.7 16.8 25.2

71 34.6 28.3 42.5



#6

bis(2-Chloroethyl)ether

Concen: Below Cal

RT: 6.98 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

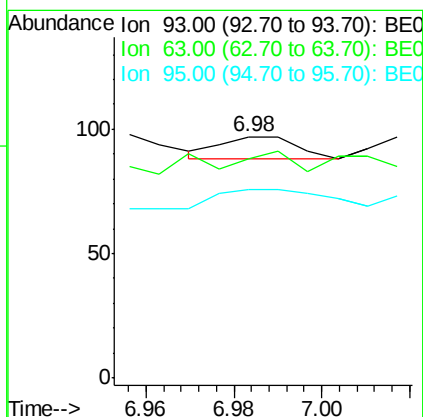
Tgt Ion: 93 Resp: 11

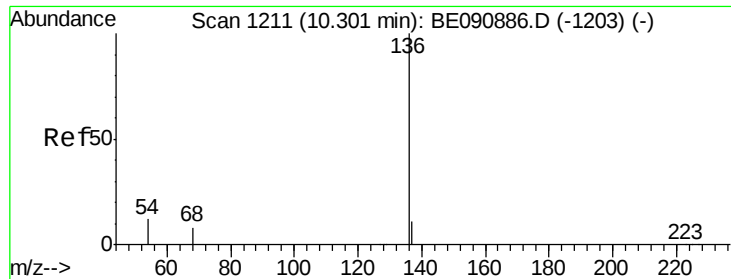
Ion Ratio Lower Upper

93 100

63 0.0 68.5 102.7#

95 536.4 26.9 40.3#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

Tot Ion:136 Resp: 109962

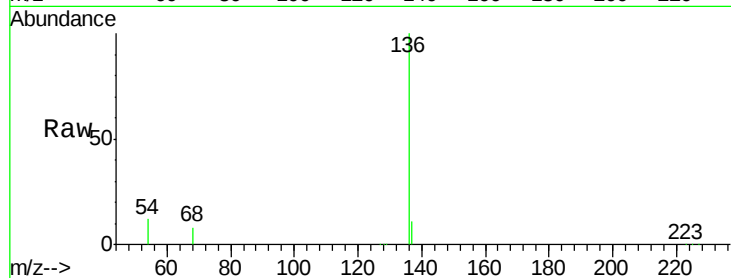
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.8 9.0 13.6

68 8.3 6.3 9.5

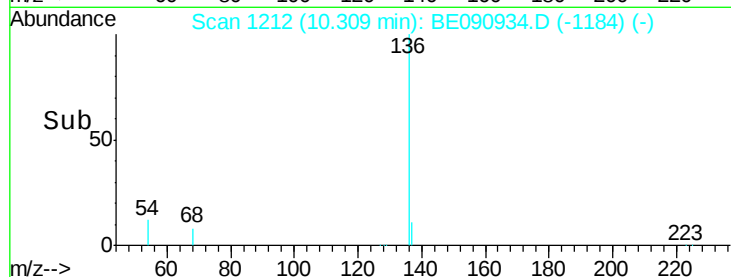


Abundance Ion 136.00 (135.70 to 136.70): E

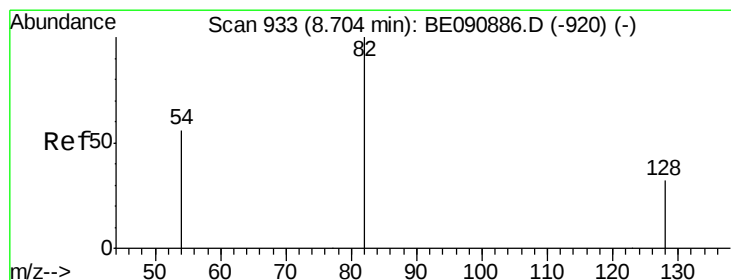
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 3.98 ng

RT: 8.71 min Scan# 935

Delta R.T. 0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

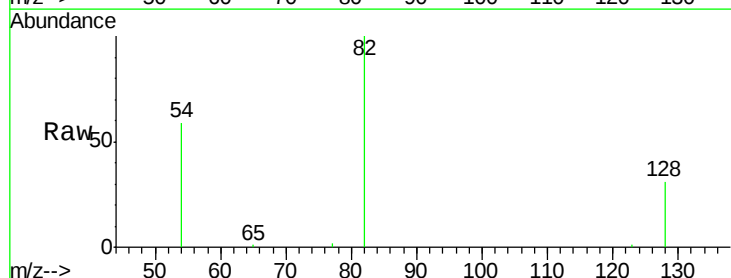
Tgt Ion: 82 Resp: 30160

Ion Ratio Lower Upper

82 100

128 30.6 25.0 37.4

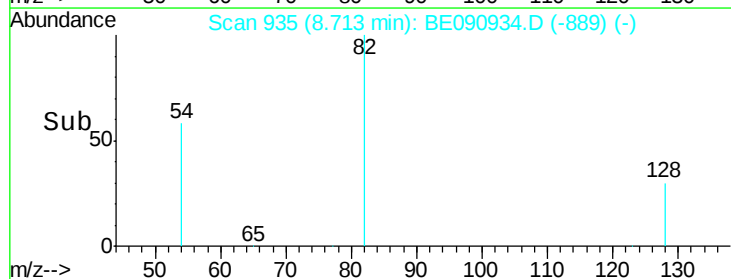
54 58.9 46.3 69.5



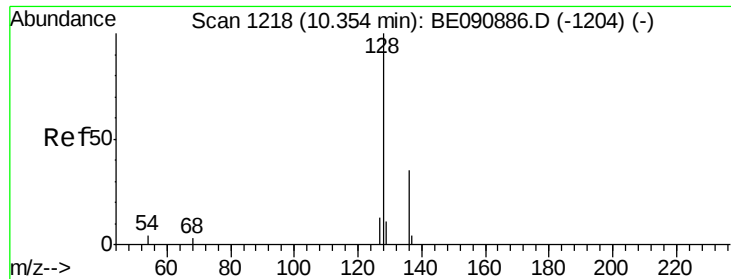
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#10

Naphthalene

Concen: Below Cal

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

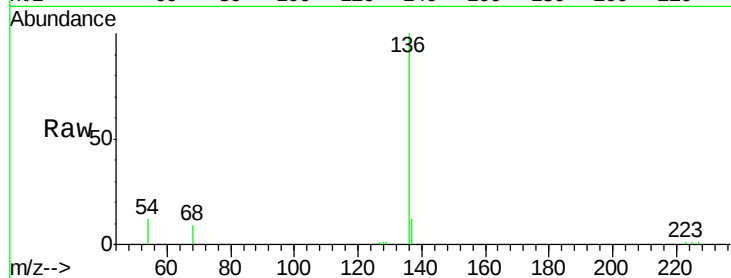
Tot Ion:128 Resp: 108

Ion Ratio Lower Upper

128 100

129 65.0 8.4 12.6#

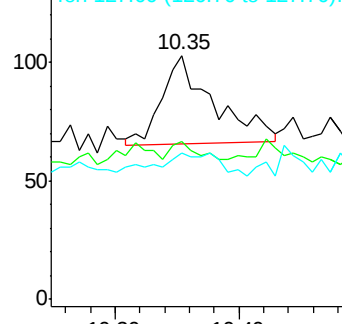
127 60.2 9.9 14.9#



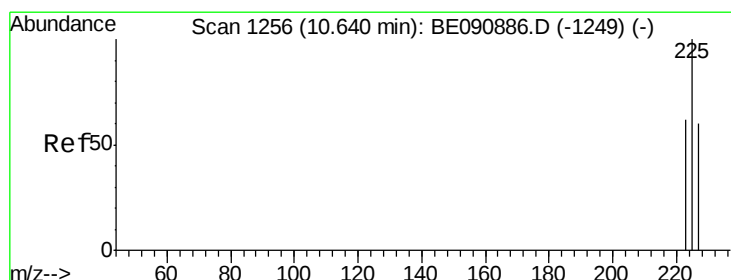
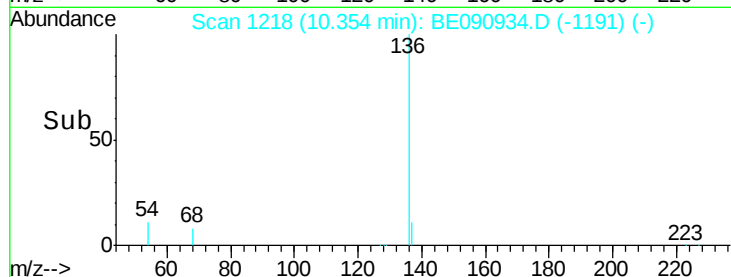
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#11

Hexachlorobutadiene

Concen: Below Cal

RT: 10.63 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

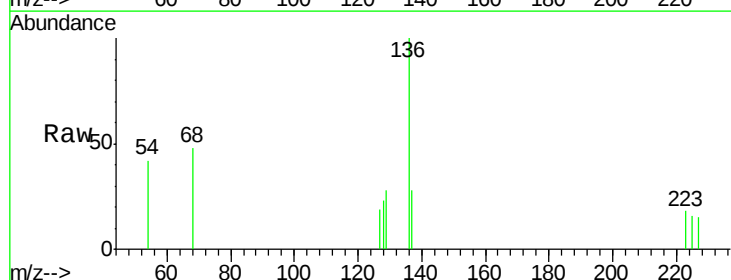
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

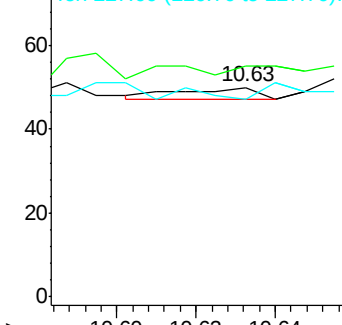
227 0.0 51.0 76.6#



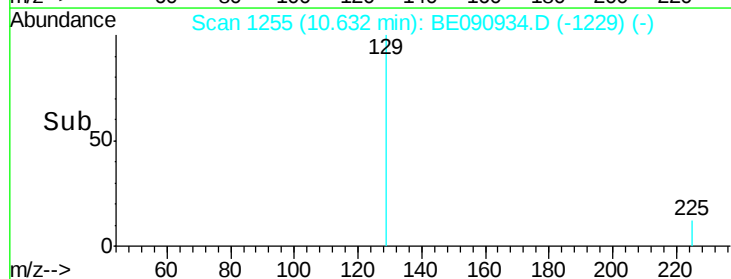
Abundance Ion 225.00 (224.70 to 225.70): E

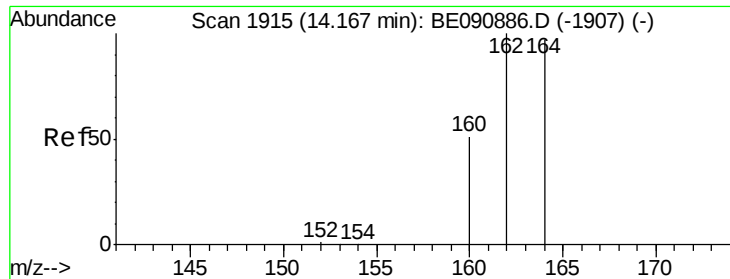
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

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ClientSampleId :

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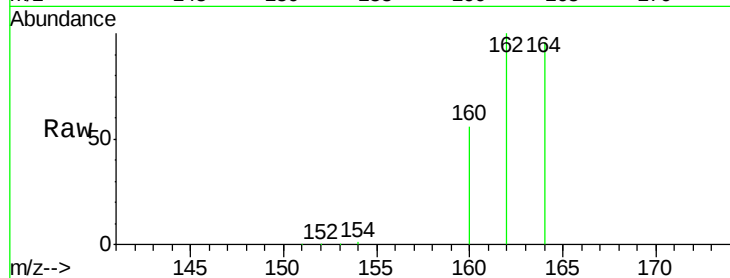
Tot Ion:164 Resp: 58222

Ion Ratio Lower Upper

164 100

162 104.2 86.8 130.2

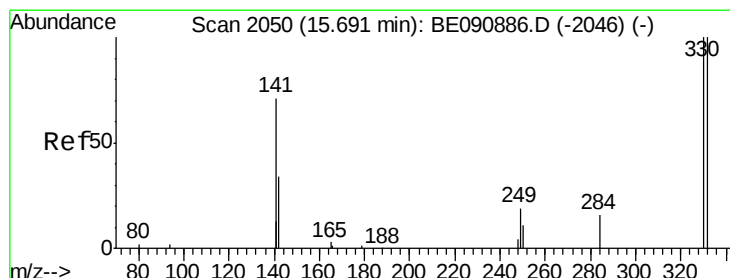
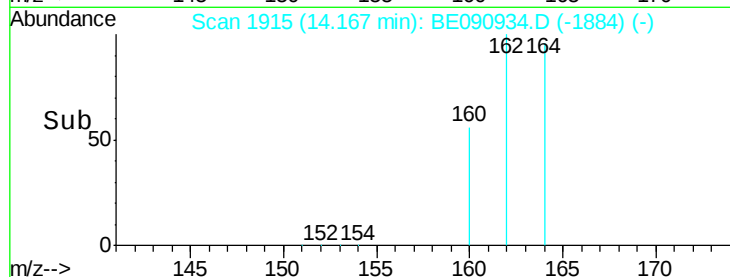
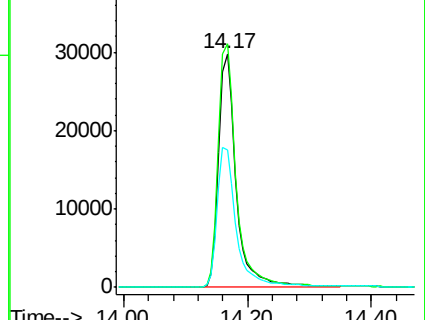
160 58.6 53.9 80.9



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: 7.33 ng

RT: 15.67 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

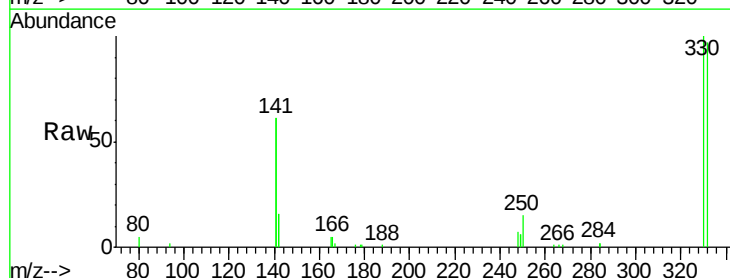
Tgt Ion:330 Resp: 15056

Ion Ratio Lower Upper

330 100

332 97.1 74.9 112.3

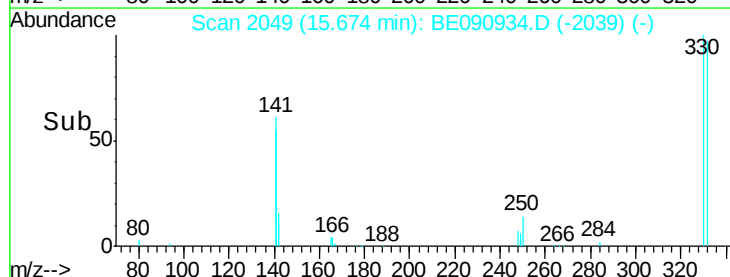
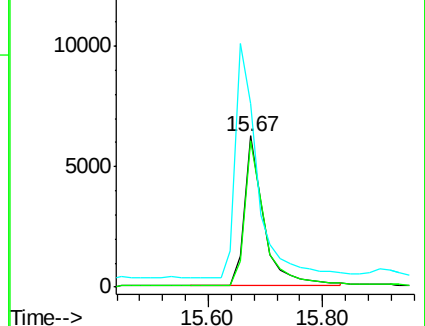
141 175.4 145.2 217.8

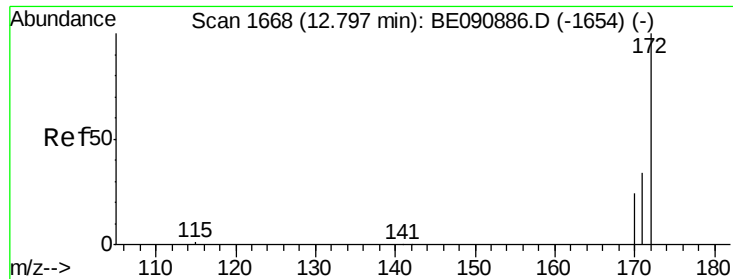


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

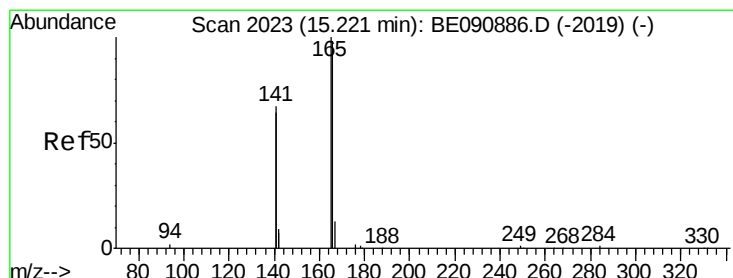
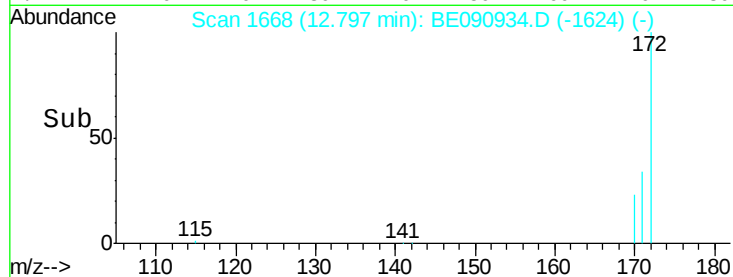
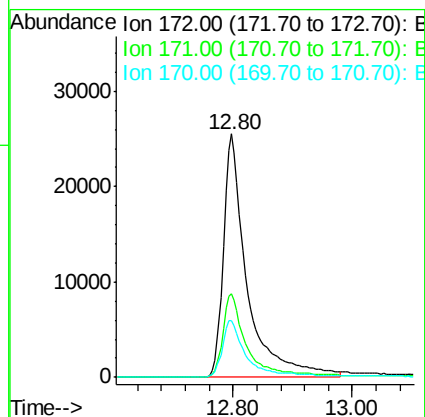
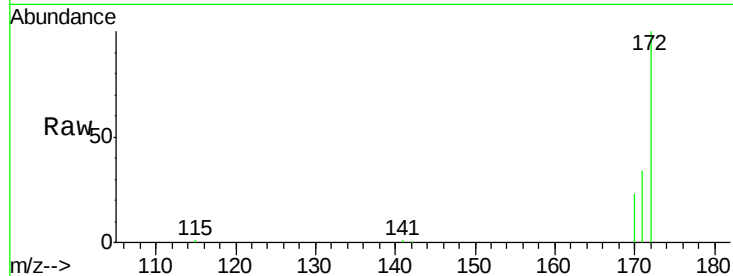




#15
2-Fluorobiphenyl
Concen: 4.25 ng
RT: 12.80 min Scan# 1668
Delta R.T. 0.00 min
Lab File: BE090934.D
Acq: 22 Sep 2015 00:38

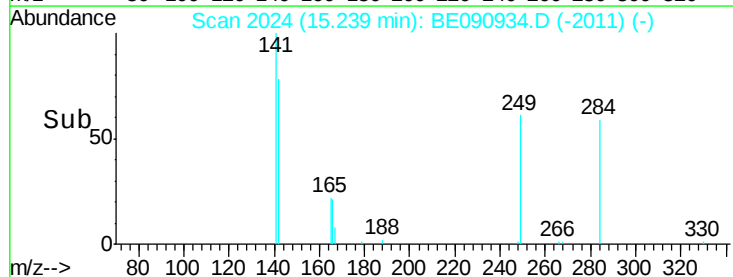
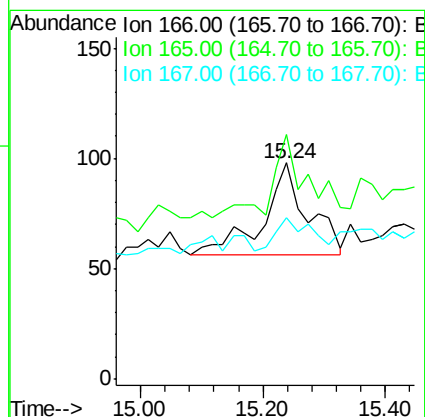
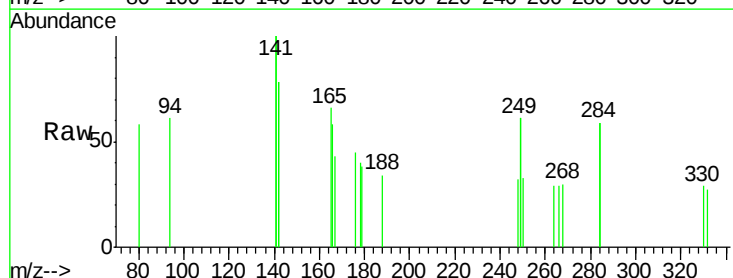
Instrument :
BNA_E
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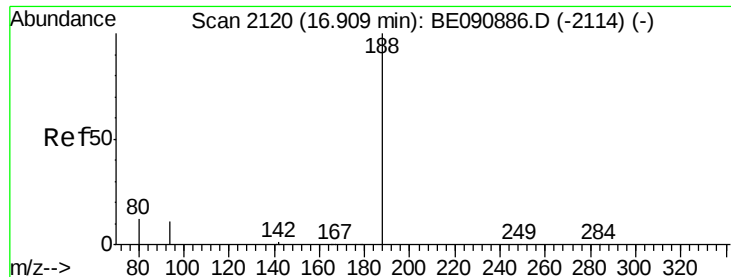
Tot Ion:172 Resp: 70181
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.8
170 23.2 19.8 29.6



#18
Fluorene
Concen: Below Cal
RT: 15.24 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BE090934.D
Acq: 22 Sep 2015 00:38

Tgt Ion:166 Resp: 214
Ion Ratio Lower Upper
166 100
165 75.2 82.7 124.1#
167 27.6 10.7 16.1#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

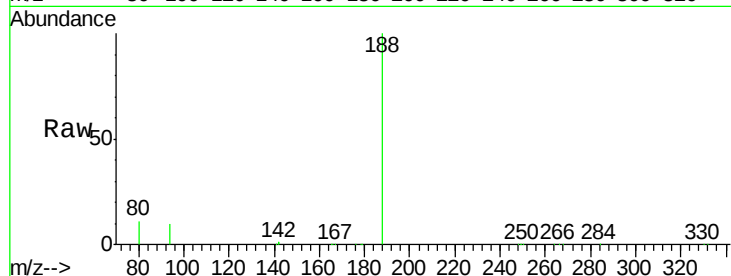
Tot Ion:188 Resp: 145720

Ion Ratio Lower Upper

188 100

94 10.1 10.3 15.5#

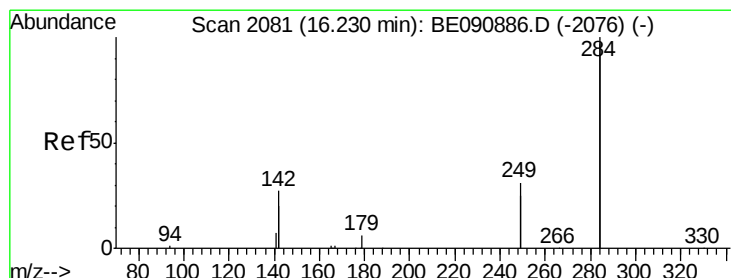
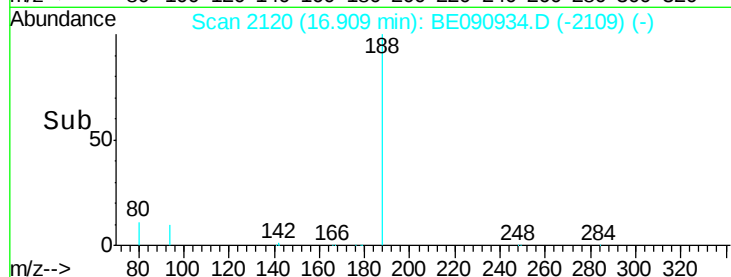
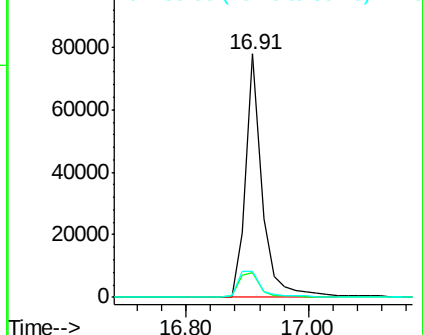
80 10.8 11.0 16.6#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

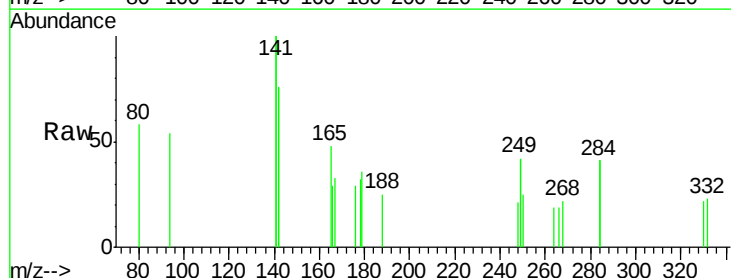
Tgt Ion:284 Resp: 29

Ion Ratio Lower Upper

284 100

142 458.6 35.0 52.4#

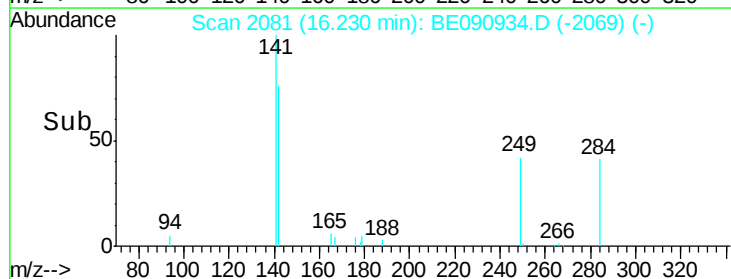
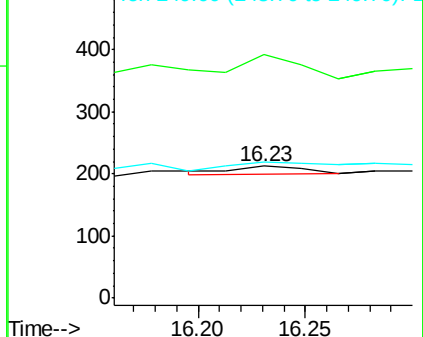
249 165.5 25.5 38.3#

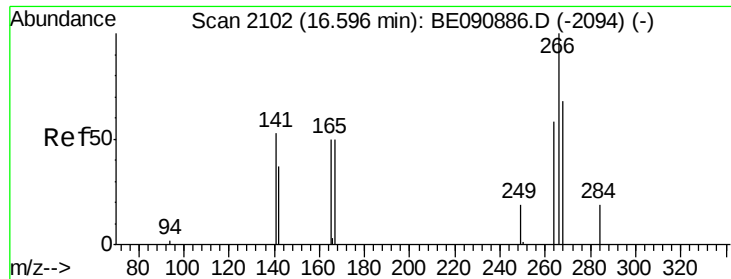


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

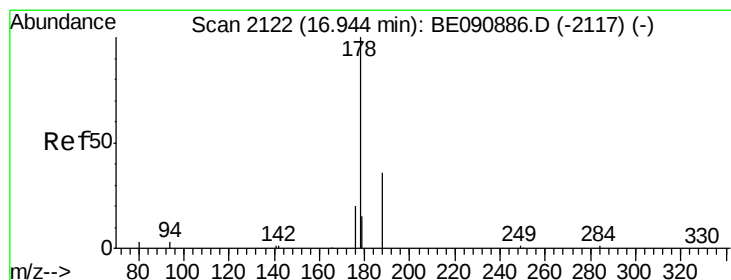
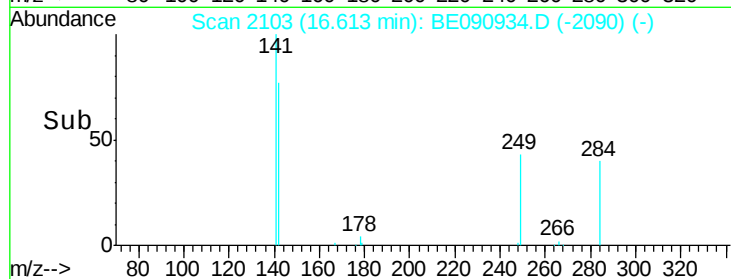
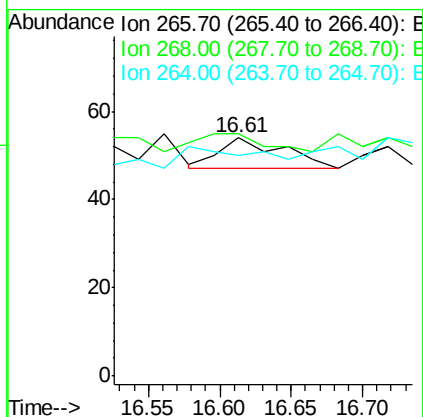
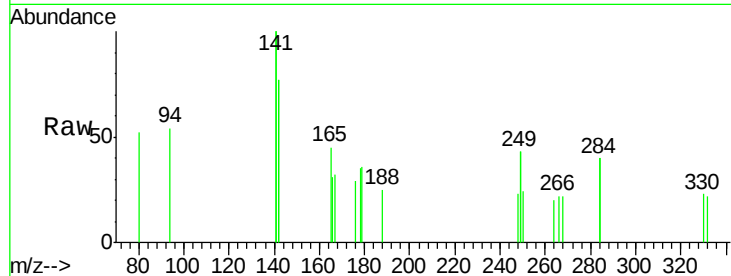




#22
 Pentachlorophenol
 Concen: 0.19 ng
 RT: 16.61 min Scan# 2103
 Delta R.T. 0.02 min
 Lab File: BE090934.D
 Acq: 22 Sep 2015 00:38

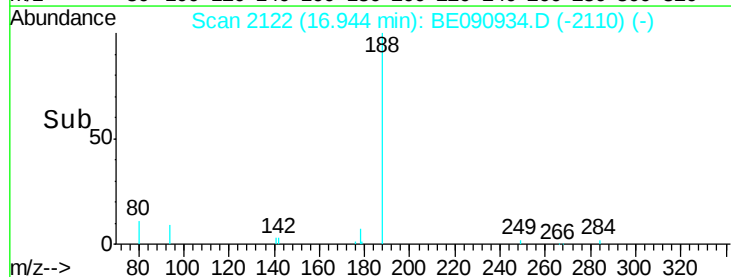
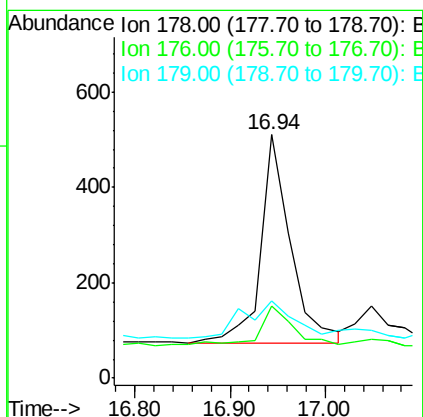
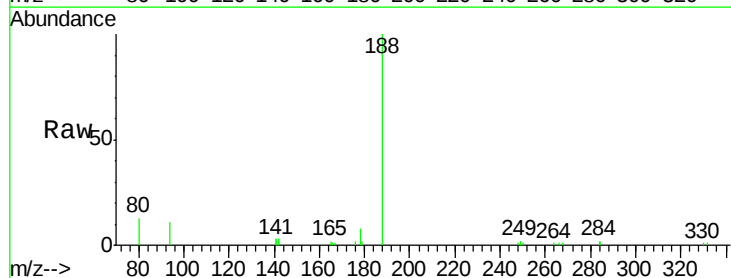
Instrument :
 BNA_E
 ClientSampleId :
 091715-D549-F-D-S

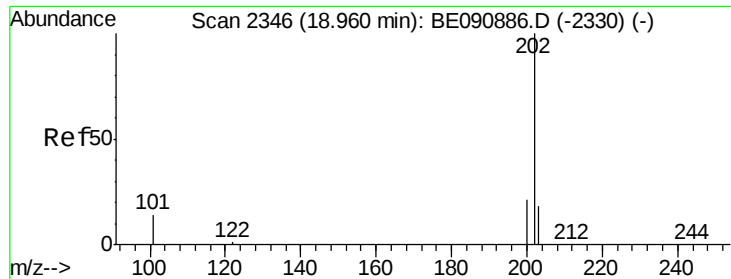
Tot Ion:266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 268 101.9 49.6 74.4#
 264 92.6 53.9 80.9#



#23
 Phenanthrene
 Concen: Below Cal
 RT: 16.94 min Scan# 2122
 Delta R.T. 0.00 min
 Lab File: BE090934.D
 Acq: 22 Sep 2015 00:38

Tgt Ion:178 Resp: 961
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.6 23.4
 179 29.4 12.8 19.2#





#25

Fluoranthene

Concen: 0.02 ng

RT: 18.96 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

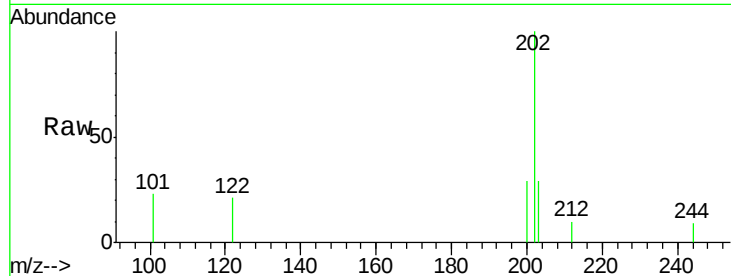
Tot Ion:202 Resp: 913

Ion Ratio Lower Upper

202 100

101 15.8 11.0 16.6

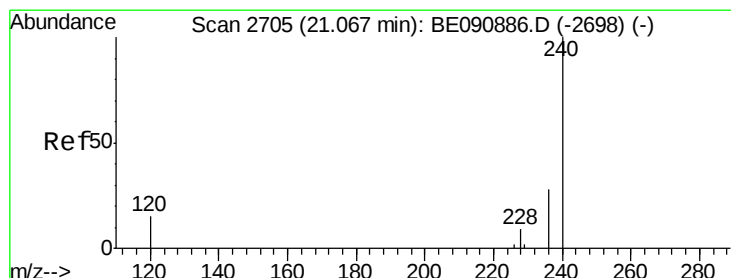
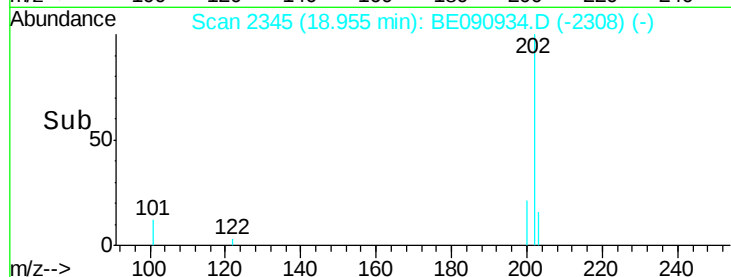
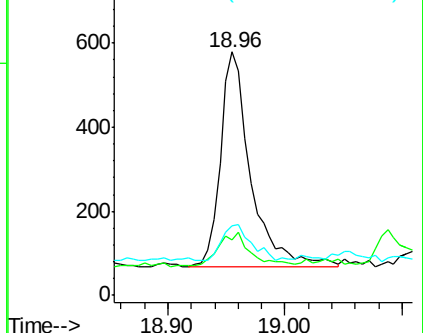
203 17.1 13.9 20.9



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: BE090934.D

Acq: 22 Sep 2015 00:38

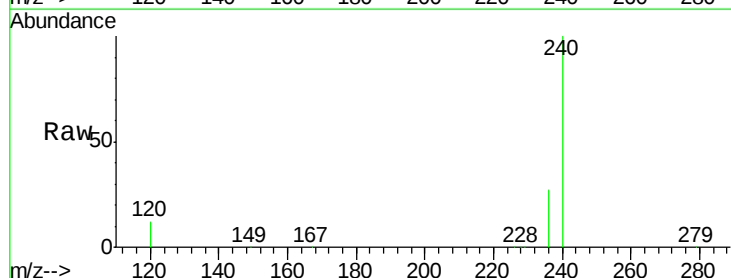
Tgt Ion:240 Resp: 188717

Ion Ratio Lower Upper

240 100

120 12.4 10.1 15.1

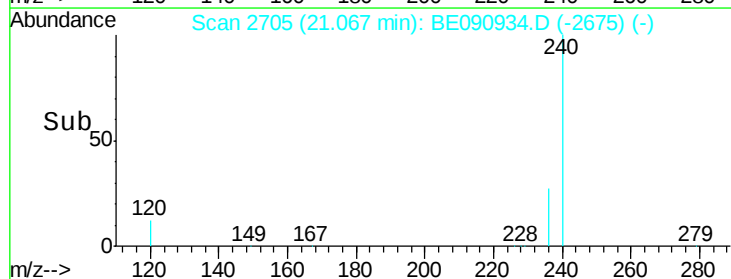
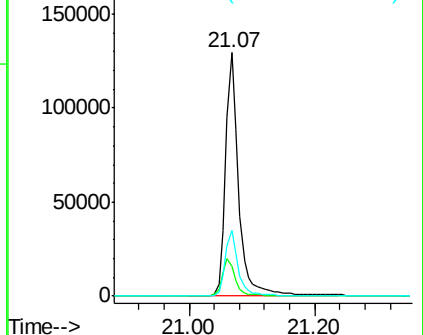
236 27.2 21.9 32.9

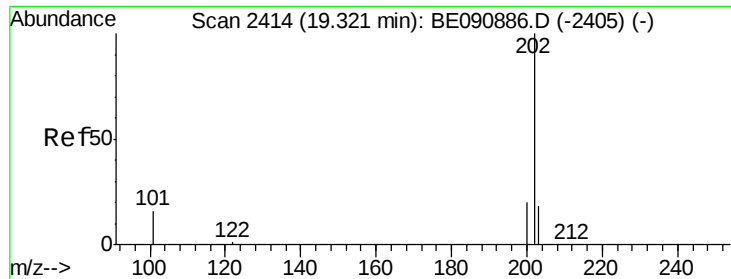


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.02 ng

RT: 19.32 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

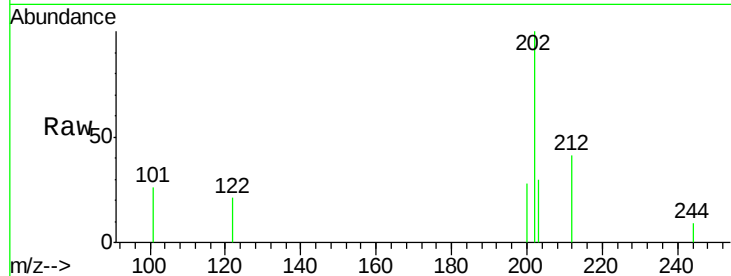
Tot Ion:202 Resp: 922

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

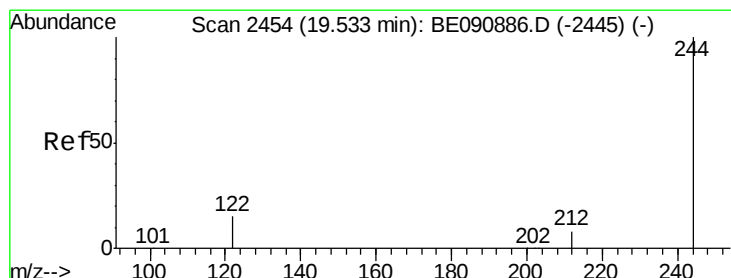
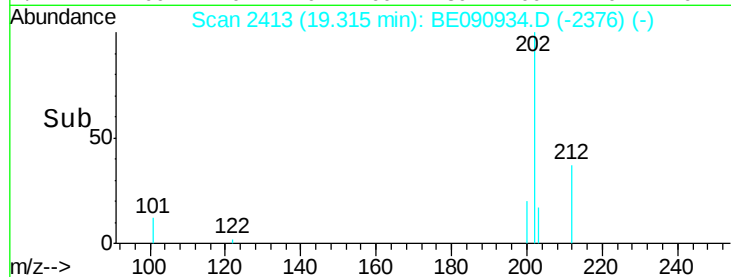
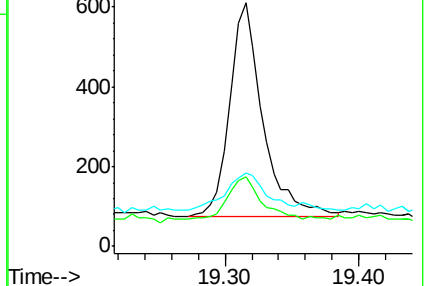
203 20.7 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#28

Terphenyl-d14

Concen: 6.17 ng

RT: 19.53 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

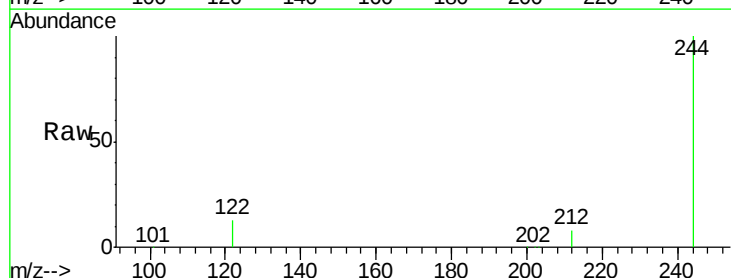
Tgt Ion:244 Resp: 131294

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

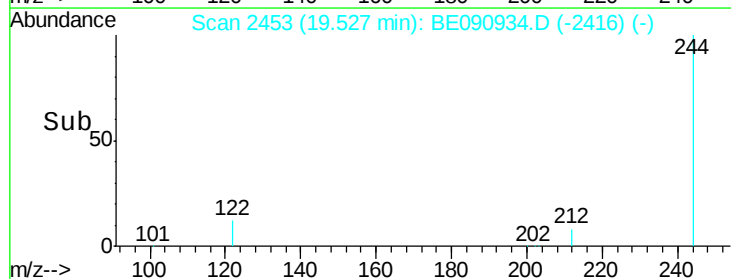
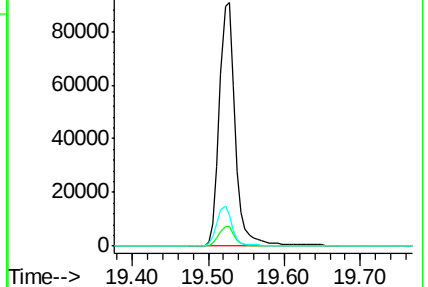
122 12.6 12.9 19.3#

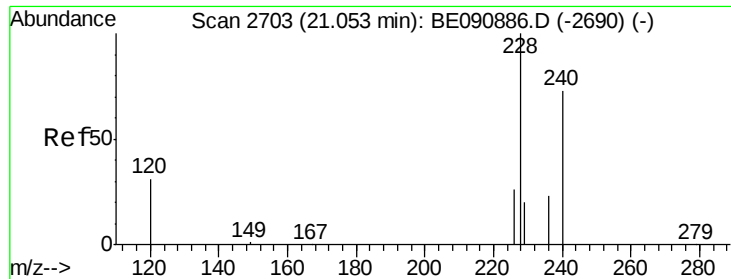


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

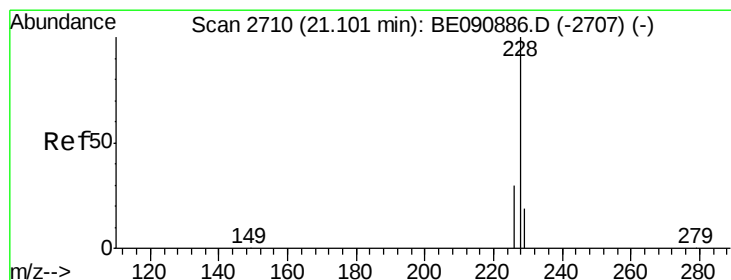
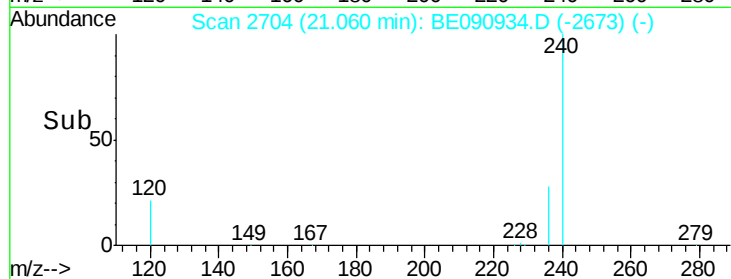
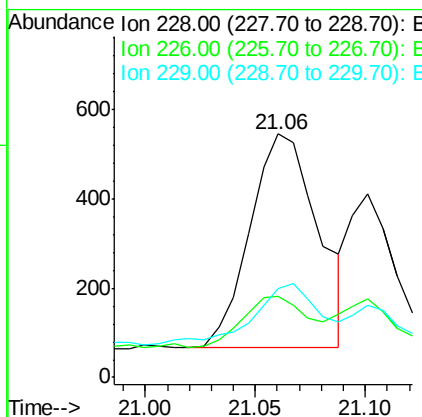
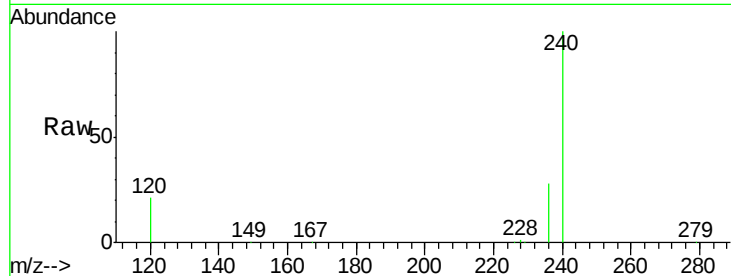




#29
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.06 min Scan# 2704
Delta R.T. 0.01 min
Lab File: BE090934.D
Acq: 22 Sep 2015 00:38

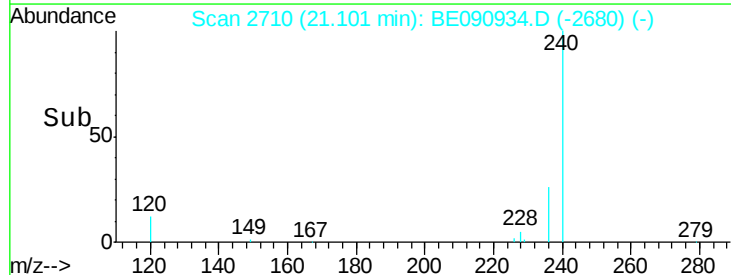
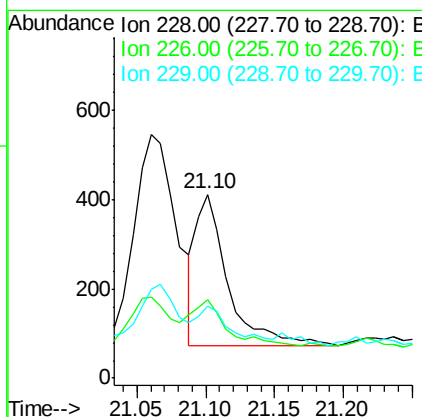
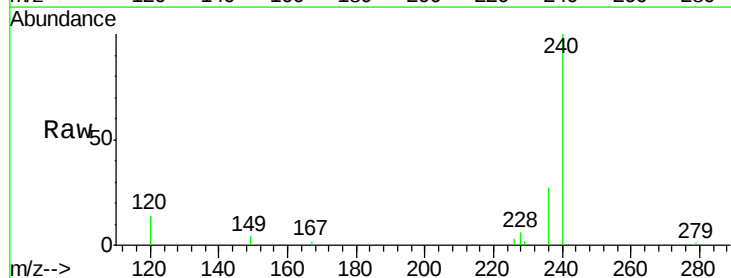
Instrument :
BNA_E
ClientSampleId :
091715-D549-F-D-S

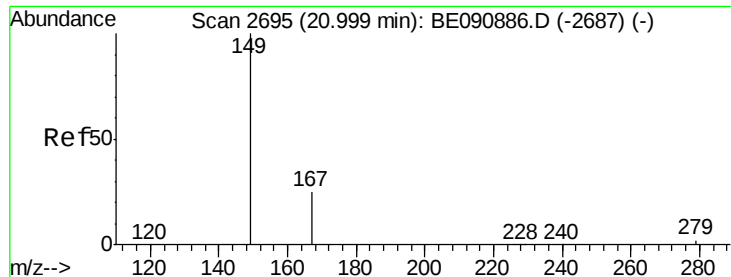
Tot Ion:228 Resp: 1028
Ion Ratio Lower Upper
228 100
226 33.5 21.6 32.4#
229 36.3 15.9 23.9#



#30
Chrysene
Concen: Below Cal
RT: 21.10 min Scan# 2710
Delta R.T. 0.00 min
Lab File: BE090934.D
Acq: 22 Sep 2015 00:38

Tgt Ion:228 Resp: 555
Ion Ratio Lower Upper
228 100
226 42.7 24.2 36.4#
229 39.6 15.3 22.9#





#31

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 20.99 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BE090934.D

Acq: 22 Sep 2015 00:38

Instrument :

BNA_E

ClientSampleId :

091715-D549-F-D-S

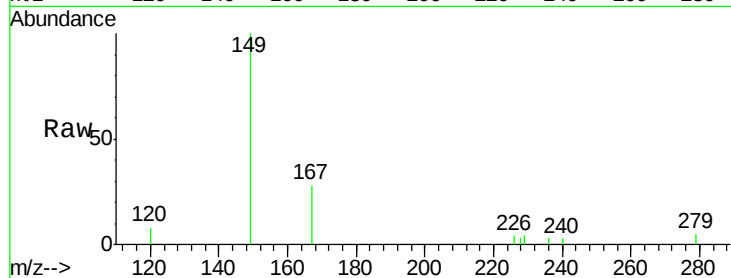
Tot Ion:149 Resp: 2105

Ion Ratio Lower Upper

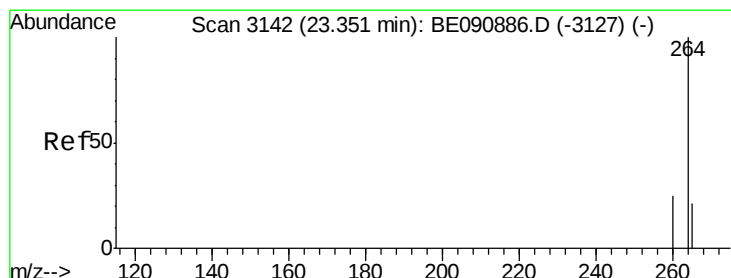
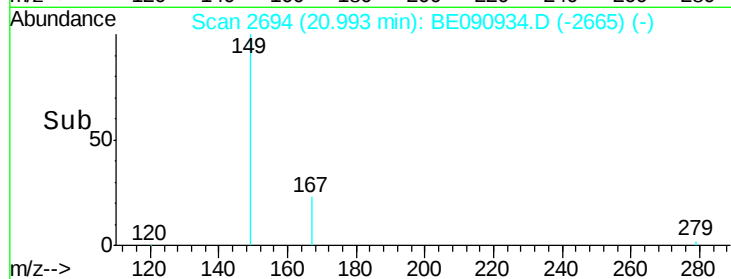
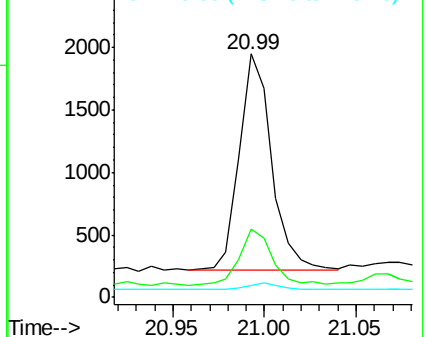
149 100

167 26.1 20.1 30.1

279 3.9 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: BE090934.D

Acq: 22 Sep 2015 00:38

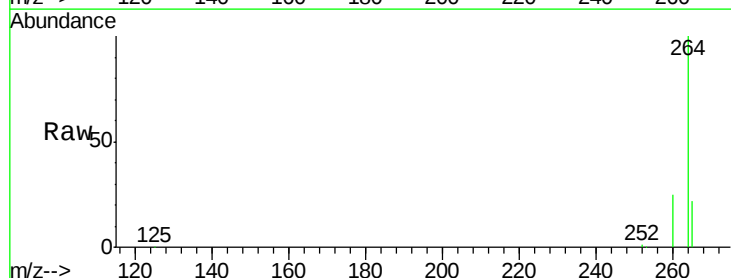
Tgt Ion:264 Resp: 173622

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 21.8 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

