

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090115\
 Data File : BE090692.D
 Acq On : 2 Sep 2015 6:49
 Operator : UM/IZ
 Sample : G3504-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 02 07:45:01 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 01:57:39 2015
 Response via : Initial Calibration

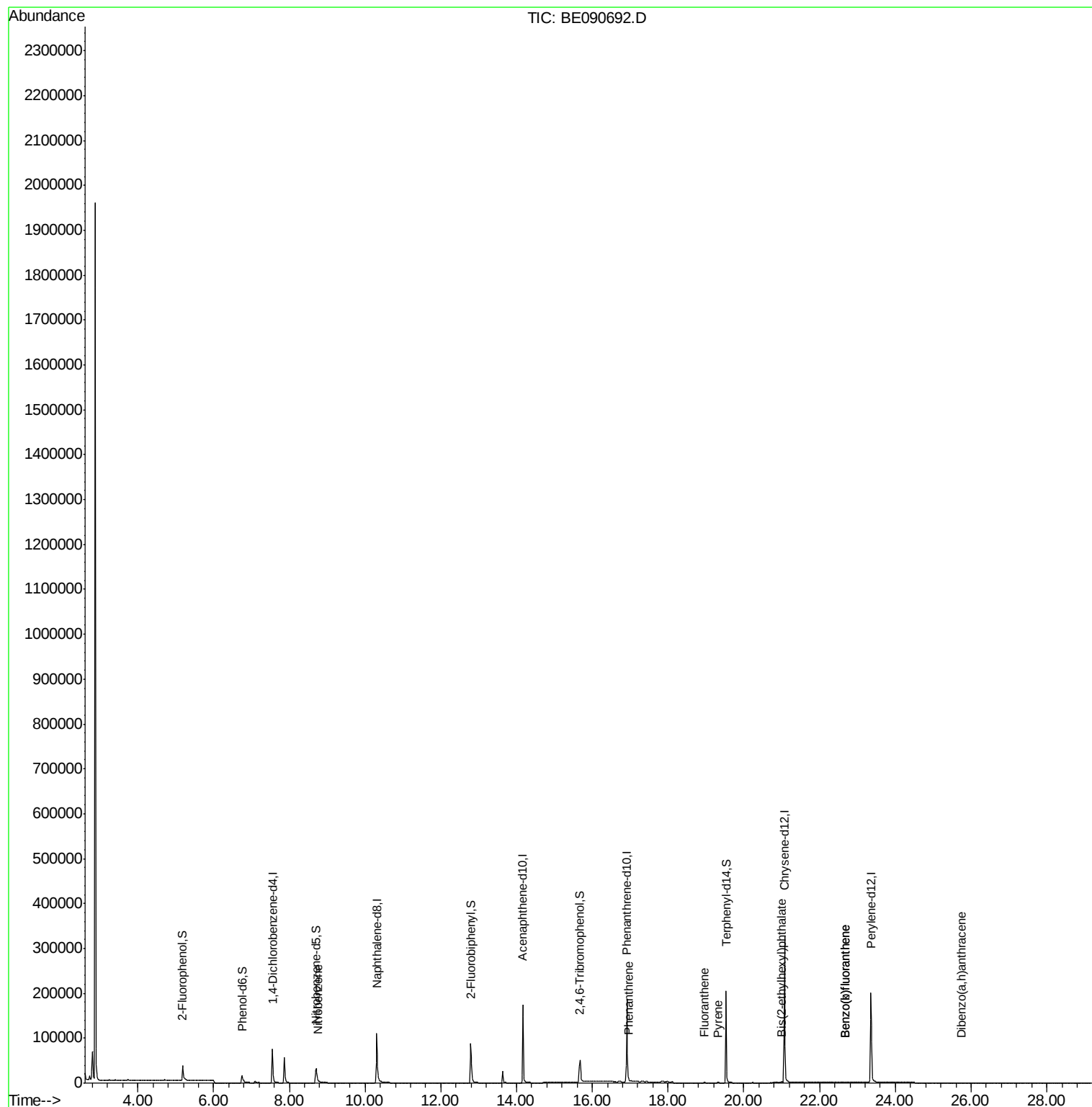
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	44260	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	193276	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	99925	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	246152	5.00	ng	0.00
25) Chrysene-d12	21.07	240	314307	5.00	ng	0.00
32) Perylene-d12	23.36	264	287879	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	34234	3.98	ng	0.00
5) Phenol-d6	6.75	99	32482	2.64	ng	0.00
7) Nitrobenzene-d5	8.71	82	55224	4.32	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	27896	9.48	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	119508	4.32	ng	0.00
27) Terphenyl-d14	19.53	244	231270	6.65	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.16	88	106	Below Cal	#	1
3) n-Nitrosodimethylamine	3.39	42	434	Below Cal	#	1
8) Nitrobenzene	8.75	77	9	0.11 ng	#	1
20) Hexachlorobenzene	16.23	284	129	Below Cal	#	9
21) Pentachlorophenol	16.61	266	25	Below Cal	#	60
22) Phenanthrene	16.96	178	1953	0.03 ng	#	81
24) Fluoranthene	18.96	202	2414	0.04 ng	#	98
26) Pyrene	19.32	202	2004	0.03 ng	#	93
29) Chrysene	21.11	228	1527	Below Cal	#	90
30) Bis(2-ethylhexyl)phthalate	21.00	149	3147	0.24 ng	#	96
33) Benzo(b)fluoranthene	22.67	252	1538	0.02 ng	#	48
34) Benzo(k)fluoranthene	22.67	252	1538	0.02 ng	#	48
36) Dibenzo(a,h)anthracene	25.75	278	417	0.15 ng	#	1

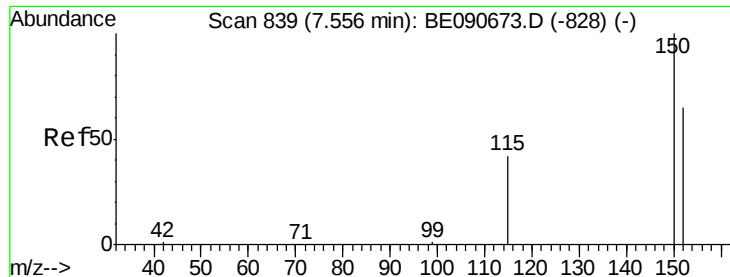
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.56 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampled :

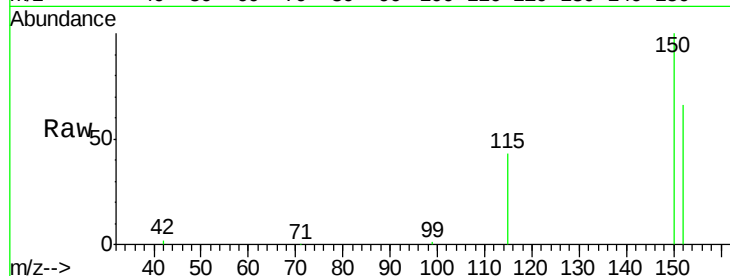
Tot Ion:152 Resp: 44260

Ion Ratio Lower Upper

152 100

150 151.7 122.2 183.4

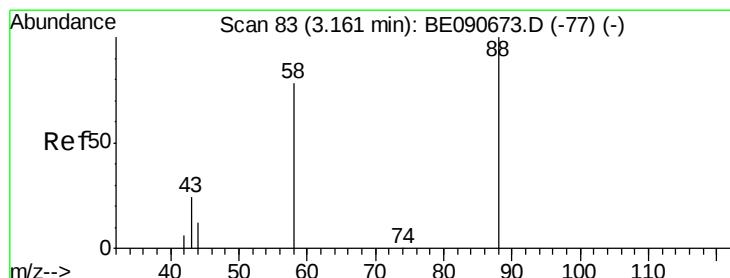
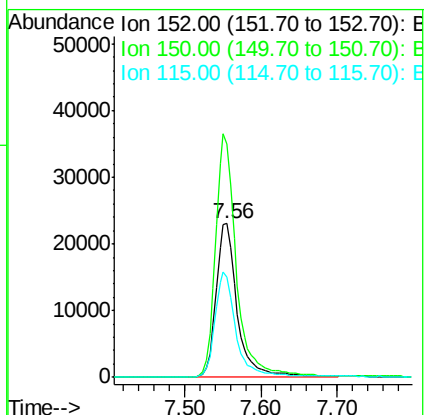
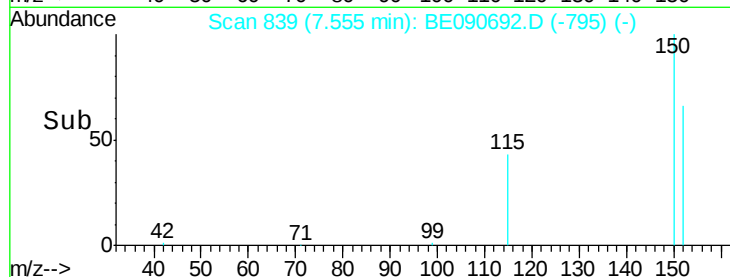
115 65.6 51.0 76.4



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: 3.16 min Scan# 82

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

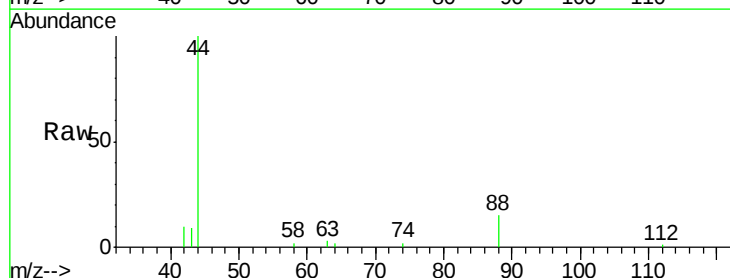
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

58 64.2 68.4 102.6#

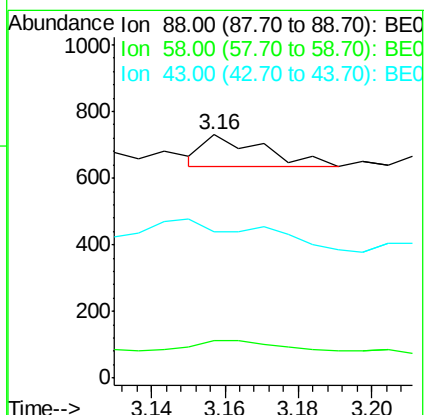
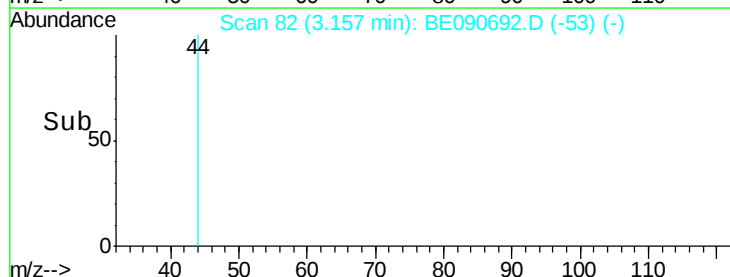
43 221.7 26.9 40.3#

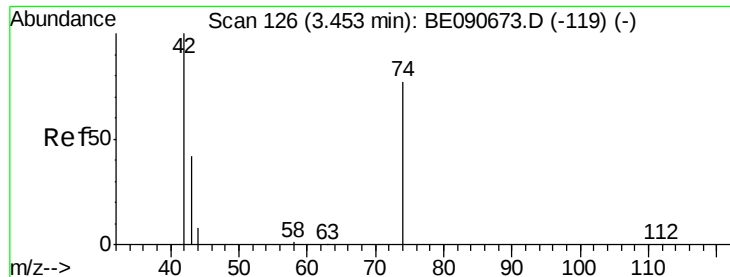


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



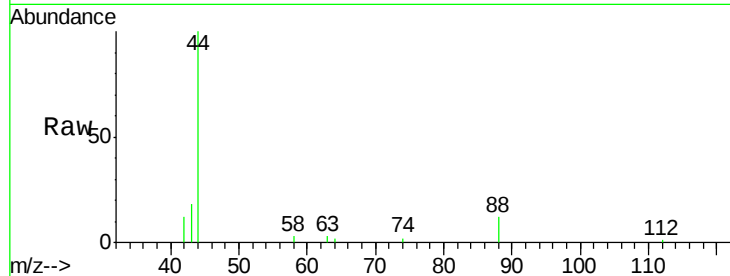


#3

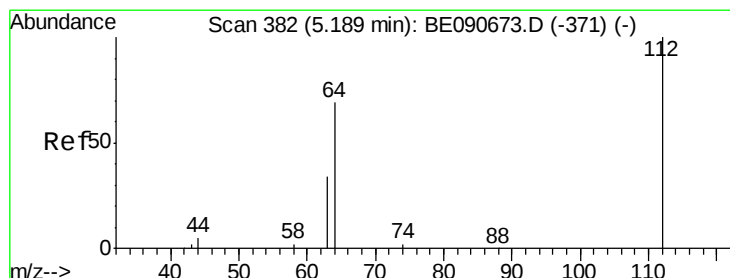
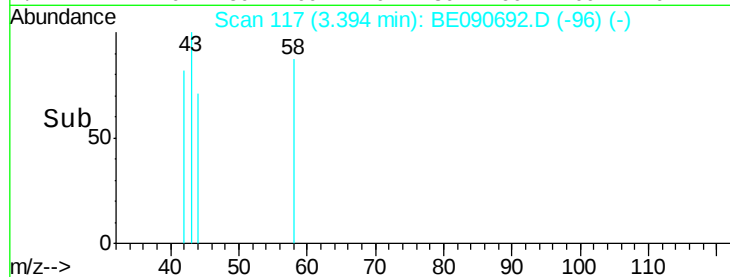
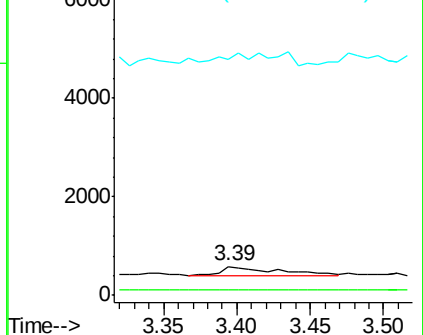
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.39 min Scan# 117
 Delta R.T. -0.06 min
 Lab File: BE090692.D
 Acq: 2 Sep 2015 6:49

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 434
 Ion Ratio Lower Upper
 42 100
 74 6.2 83.7 125.5#
 44 68.0 10.0 15.0#



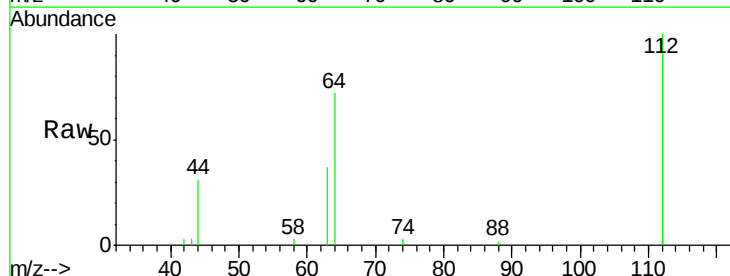
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



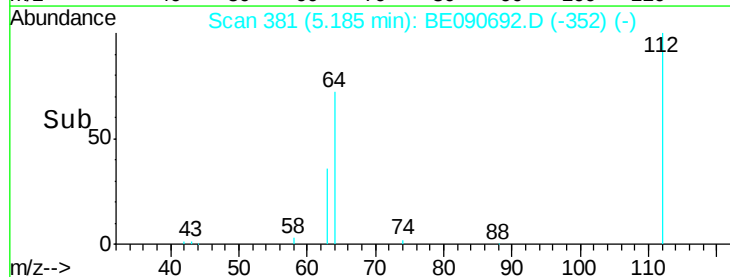
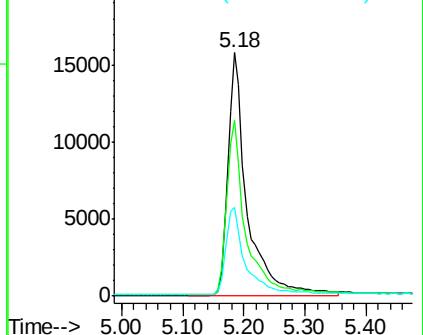
#4

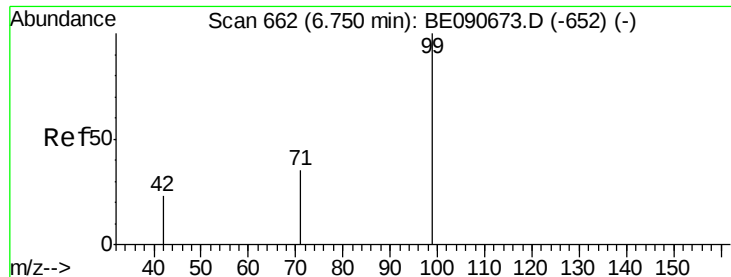
2-Fluorophenol
 Concen: 3.98 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090692.D
 Acq: 2 Sep 2015 6:49

Tgt Ion: 112 Resp: 34234
 Ion Ratio Lower Upper
 112 100
 64 72.4 57.3 85.9
 63 36.8 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: 2.64 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

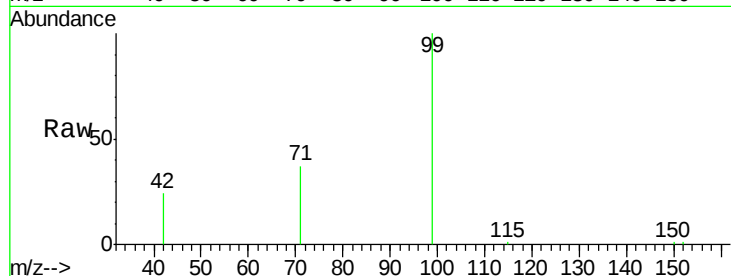
Tot Ion: 99 Resp: 32482

Ion Ratio Lower Upper

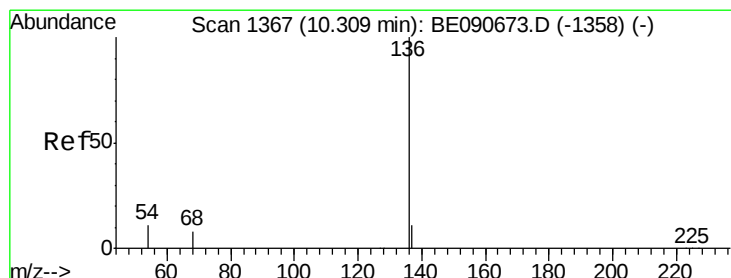
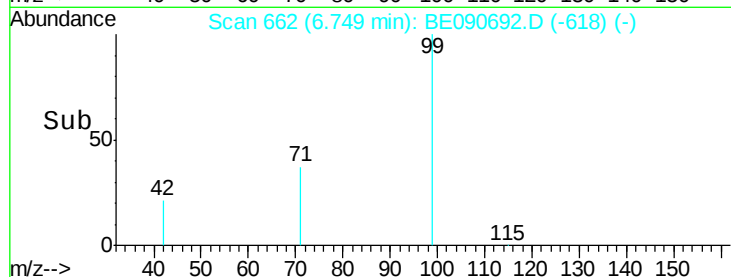
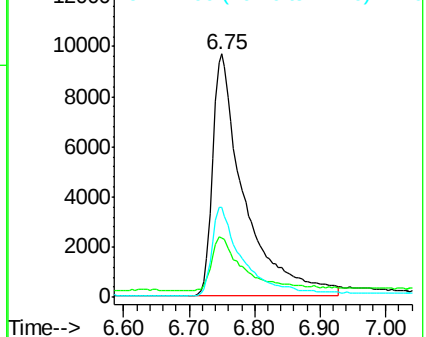
99 100

42 23.5 16.8 25.2

71 36.4 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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Tgt Ion: 136 Resp: 193276

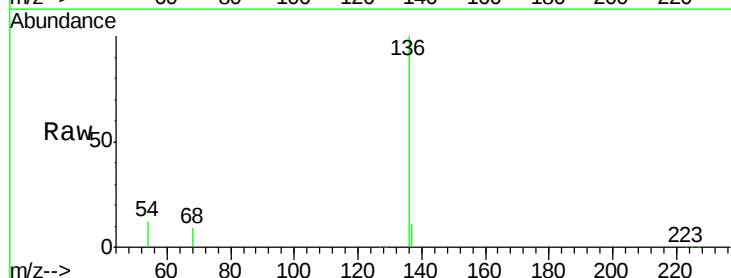
Ion Ratio Lower Upper

136 100

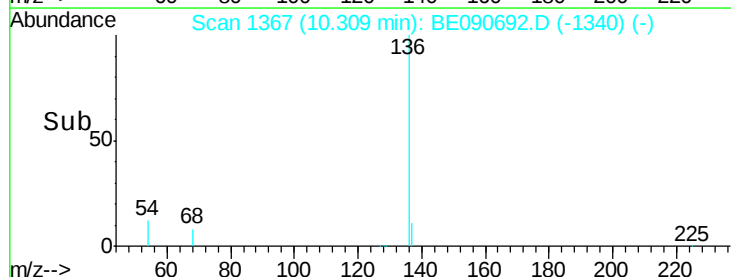
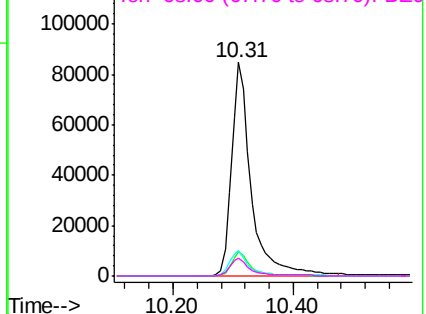
137 11.2 8.7 13.1

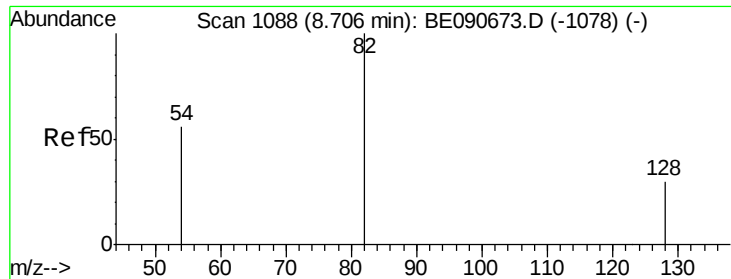
54 11.9 9.0 13.6

68 8.5 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.32 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

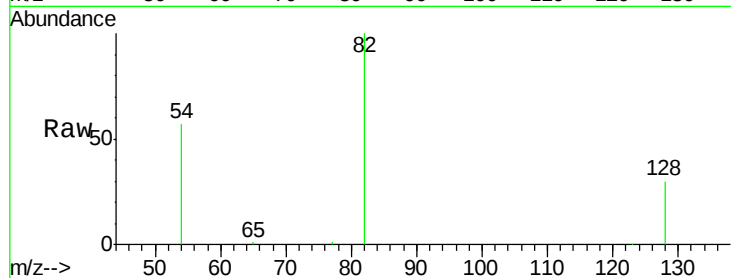
Tot Ion: 82 Resp: 55224

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

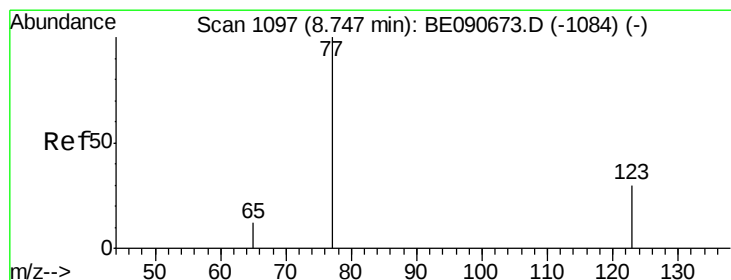
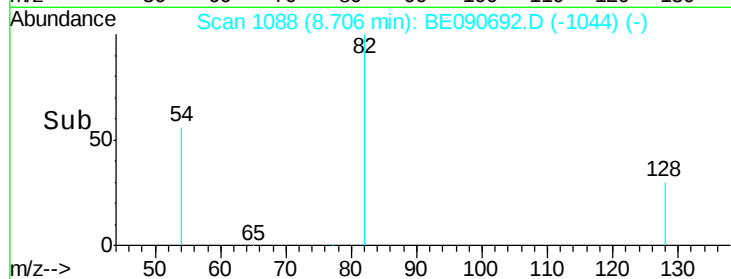
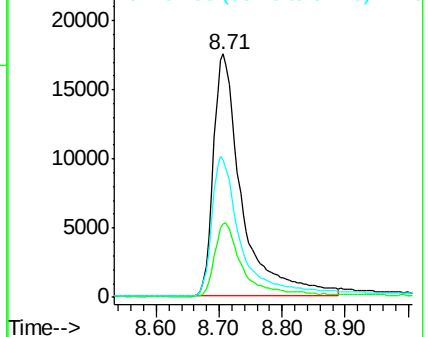
54 56.5 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE090692.D (-1044) (-)

Ion 128.00 (127.70 to 128.70): BE090692.D (-1044) (-)

Ion 54.00 (53.70 to 54.70): BE090692.D (-1044) (-)



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.75 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

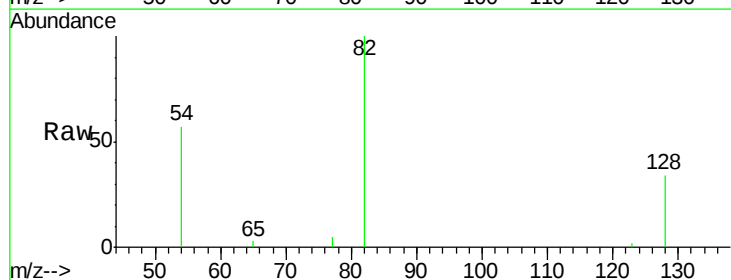
Tgt Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 111.1 25.1 37.7#

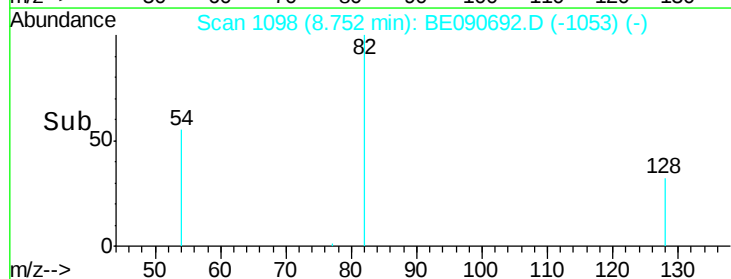
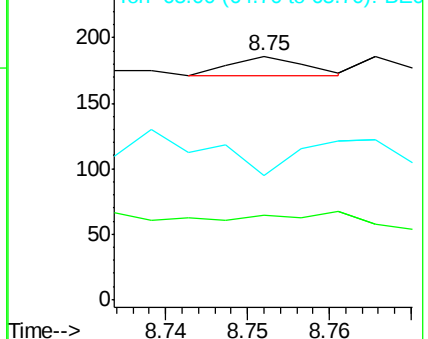
65 255.6 9.9 14.9#

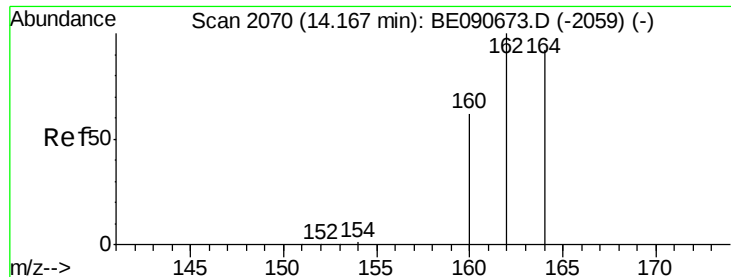


Abundance Ion 77.00 (76.70 to 77.70): BE090692.D (-1053) (-)

Ion 123.00 (122.70 to 123.70): BE090692.D (-1053) (-)

Ion 65.00 (64.70 to 65.70): BE090692.D (-1053) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampled :

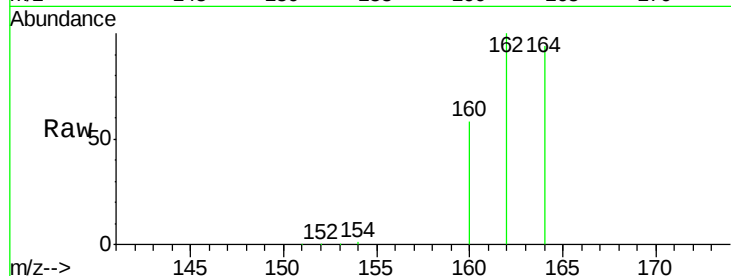
Tot Ion:164 Resp: 99925

Ion Ratio Lower Upper

164 100

162 106.4 86.8 130.2

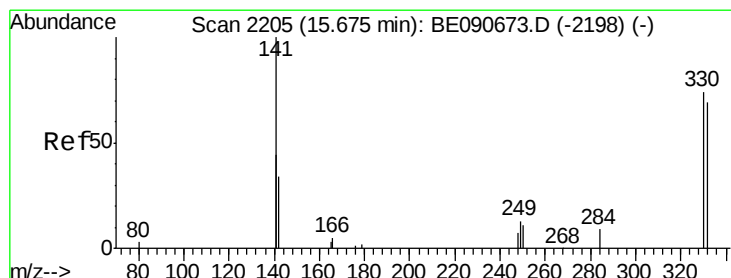
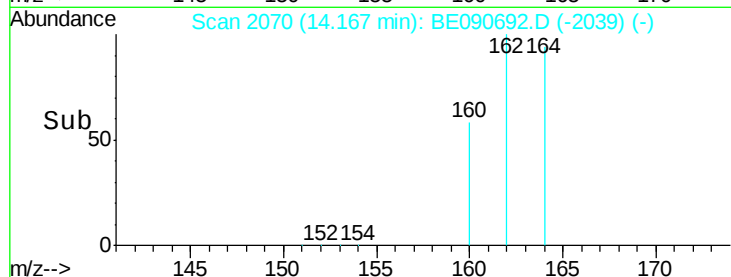
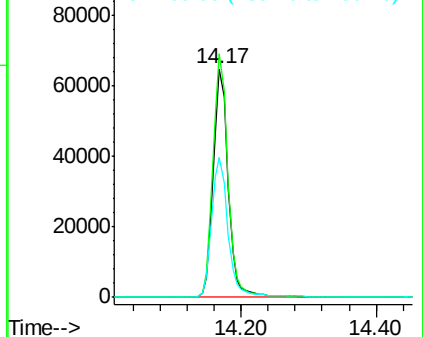
160 61.3 53.9 80.9



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



#13

2,4,6-Tribromophenol

Concen: 9.48 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

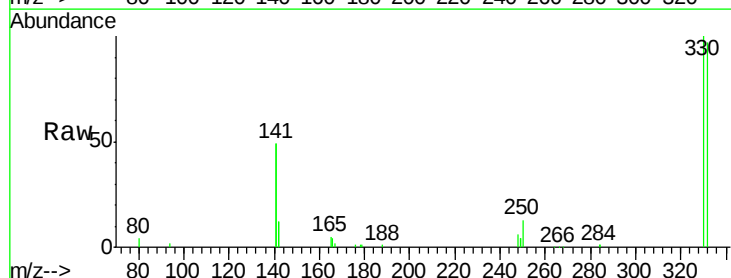
Tgt Ion:330 Resp: 27896

Ion Ratio Lower Upper

330 100

332 96.6 74.9 112.3

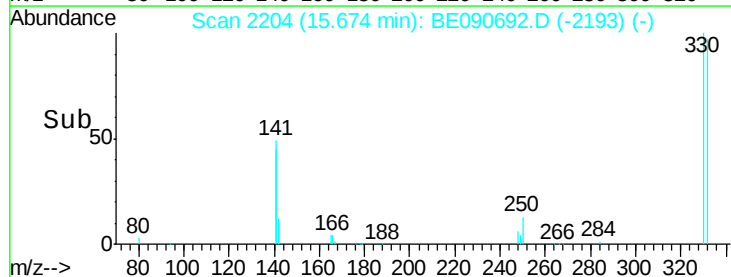
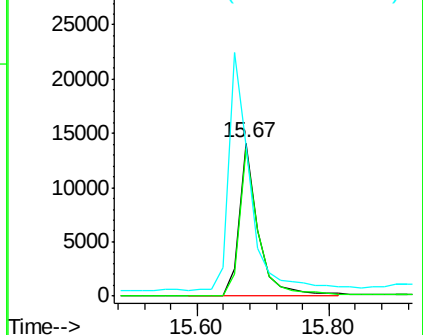
141 173.7 145.2 217.8

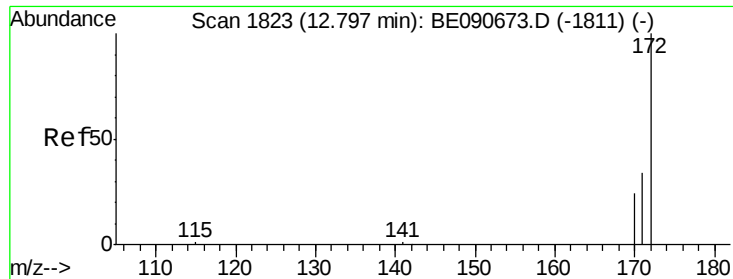


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

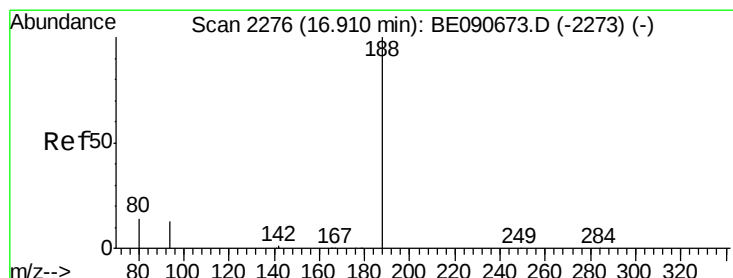
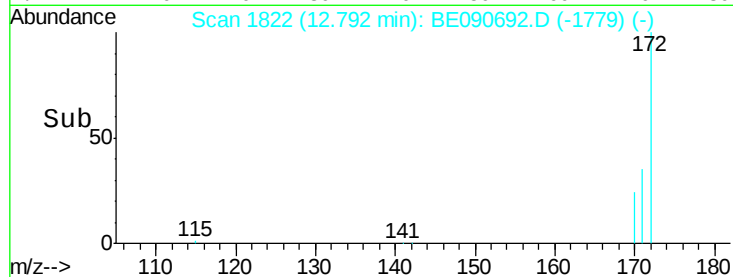
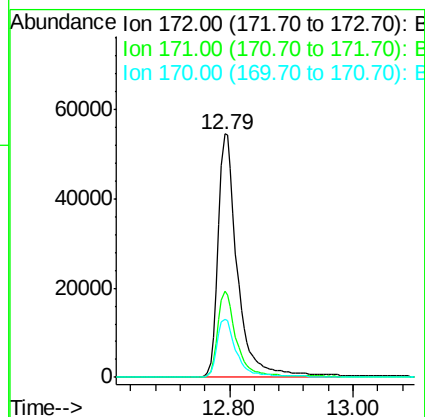
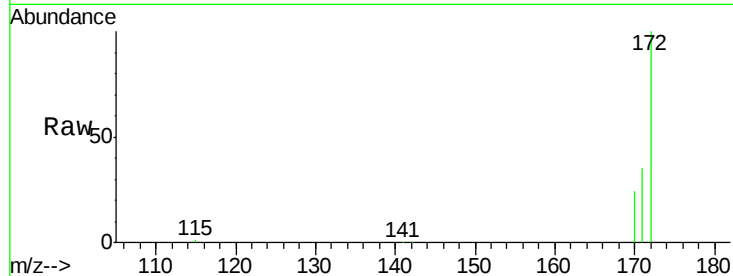




#14
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090692.D
Acq: 2 Sep 2015 6:49

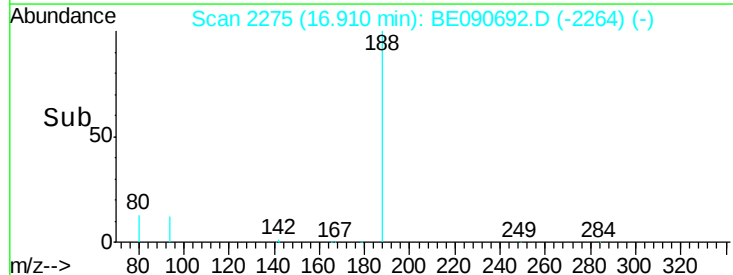
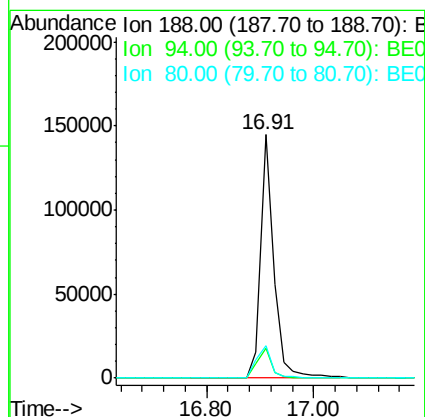
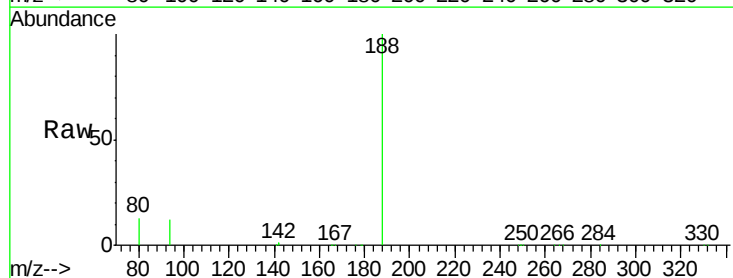
Instrument :
BNA_E
ClientSampleId :

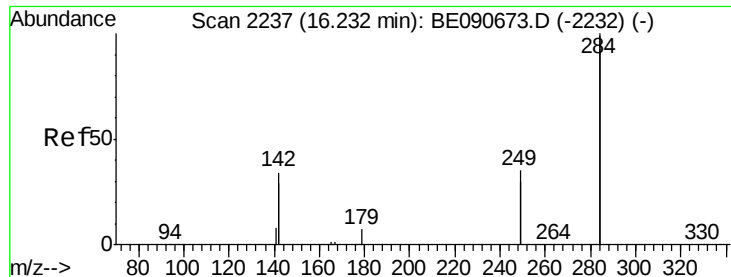
Tot Ion:172 Resp: 119508
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 24.0 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090692.D
Acq: 2 Sep 2015 6:49

Tgt Ion:188 Resp: 246152
Ion Ratio Lower Upper
188 100
94 12.2 10.3 15.5
80 13.4 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

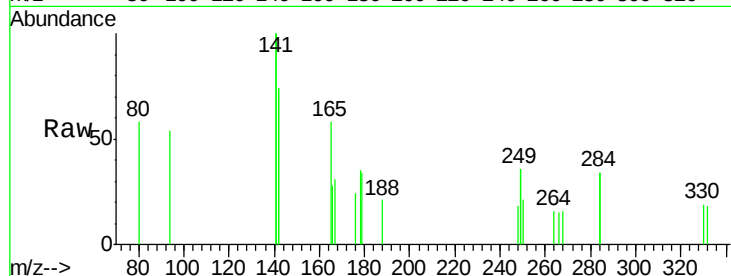
Tot Ion:284 Resp: 129

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

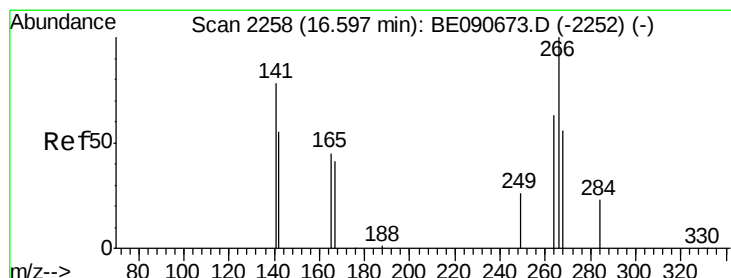
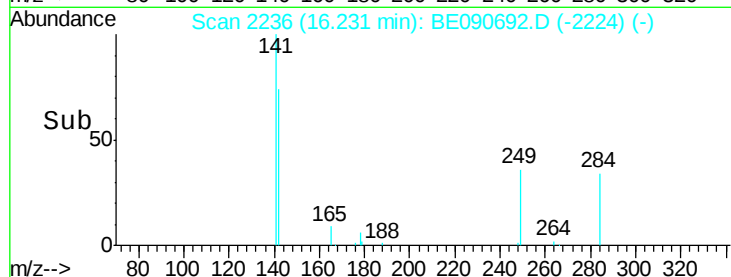
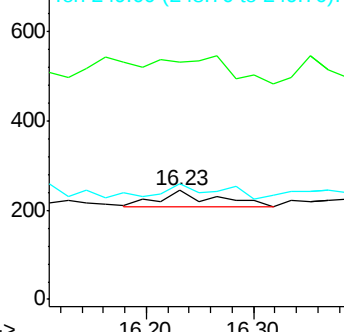
249 100.8 25.5 38.3#



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



#21

Pentachlorophenol

Concen: Below Cal

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

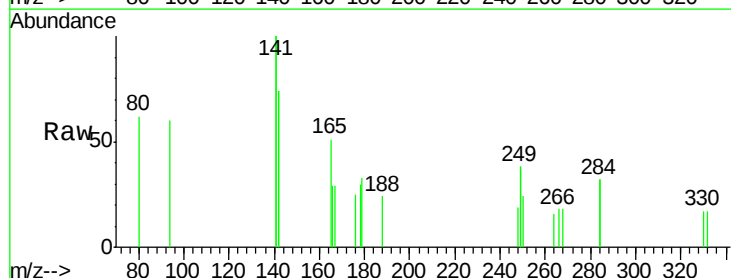
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

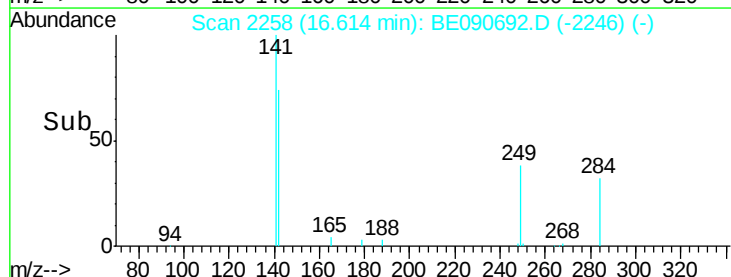
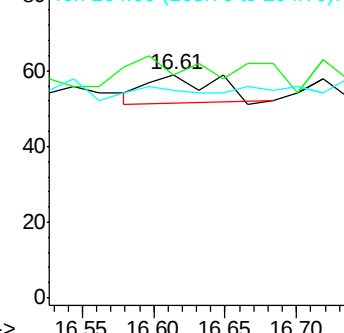
264 93.2 53.9 80.9#

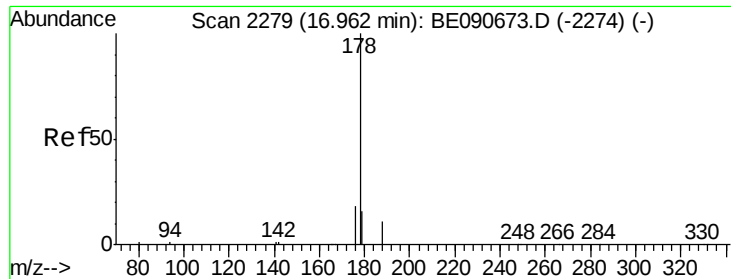


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.03 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

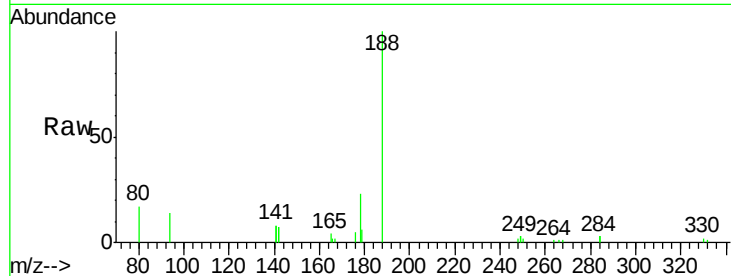
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 1953

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	33.4	12.8	19.2

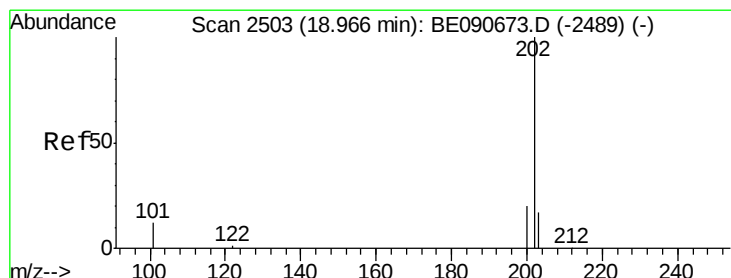
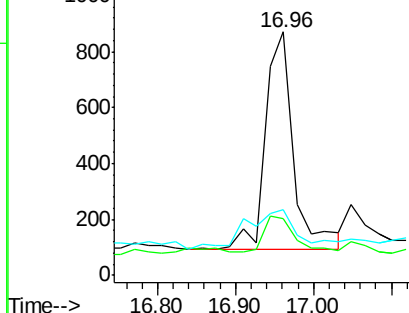
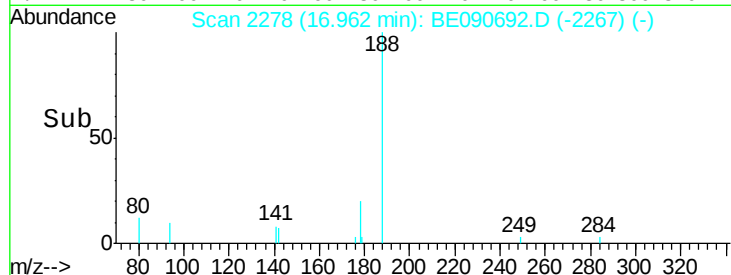


Abundance

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



#24

Fluoranthene

Concen: 0.04 ng

RT: 18.96 min Scan# 2501

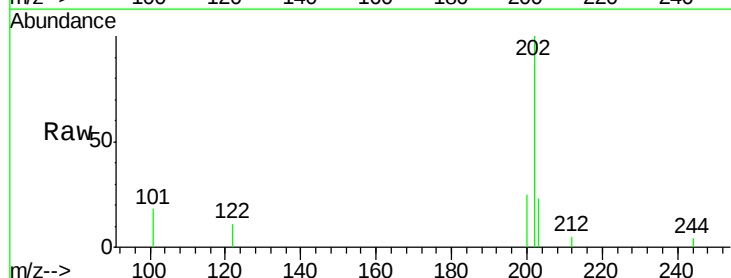
Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Tgt Ion:202 Resp: 2414

Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.6
203	16.0	13.9	20.9

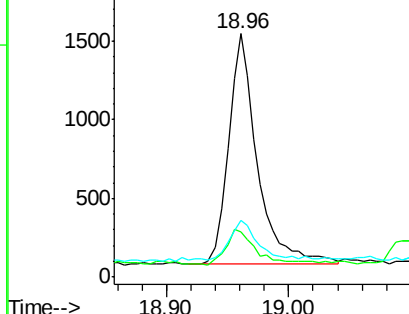
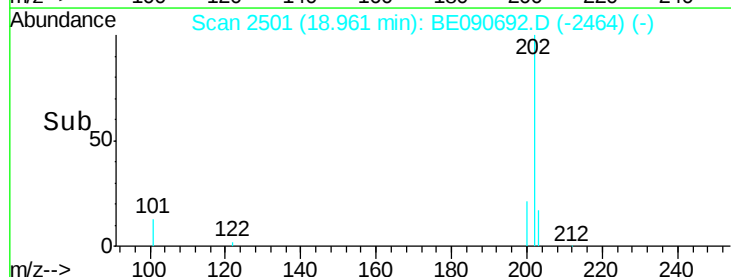


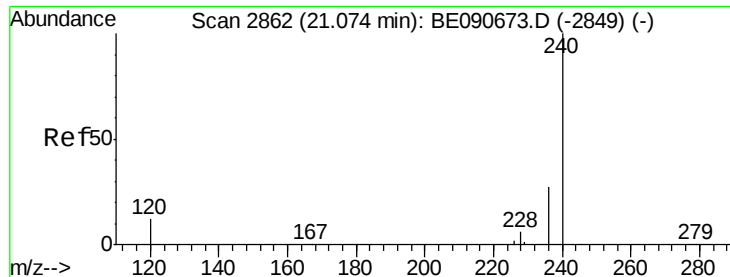
Abundance

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





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

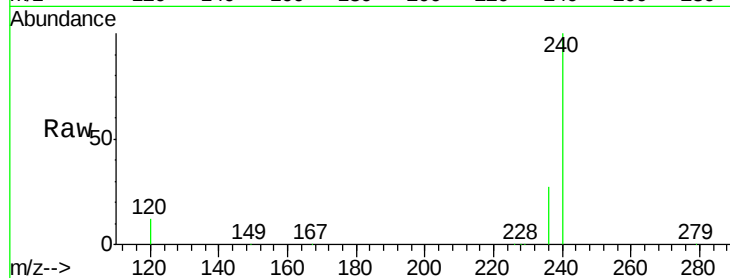
Tot Ion:240 Resp: 314307

Ion Ratio Lower Upper

240 100

120 11.7 10.1 15.1

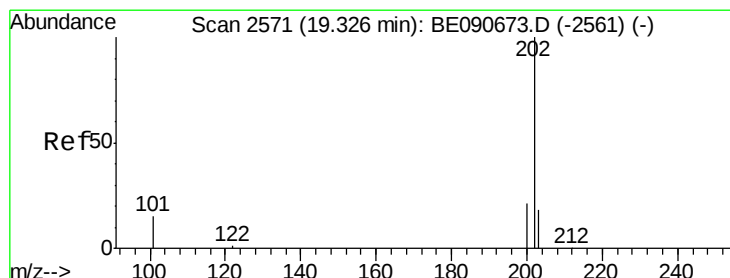
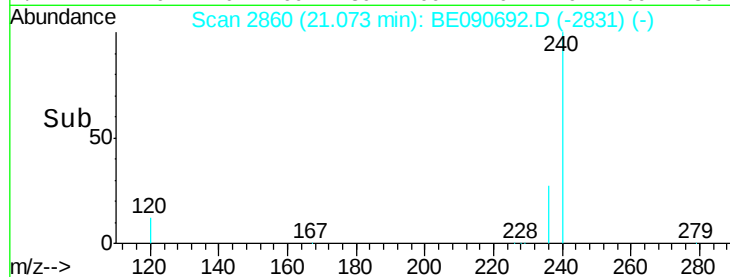
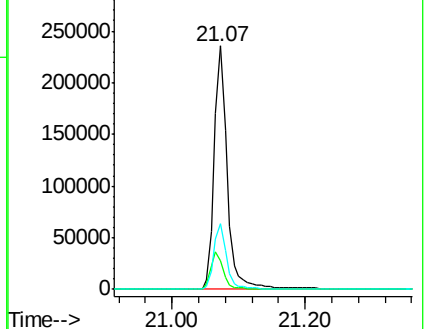
236 27.2 21.9 32.9



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



#26

Pyrene

Concen: 0.03 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

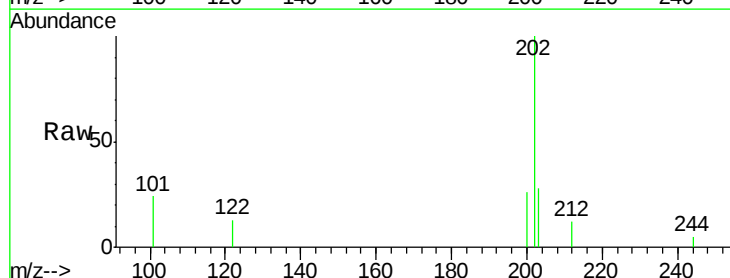
Tgt Ion:202 Resp: 2004

Ion Ratio Lower Upper

202 100

200 21.9 16.7 25.1

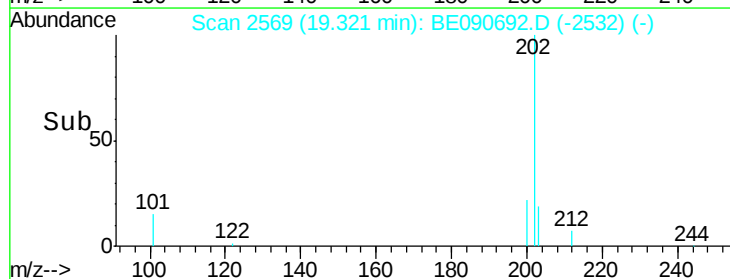
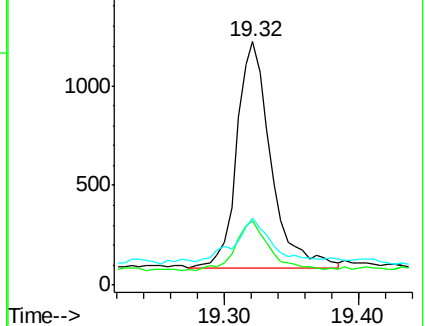
203 22.6 13.8 20.6#

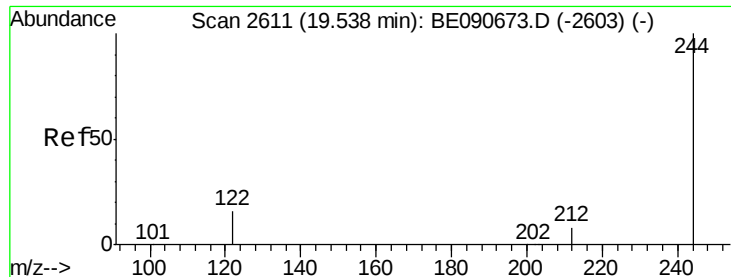


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 6.65 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

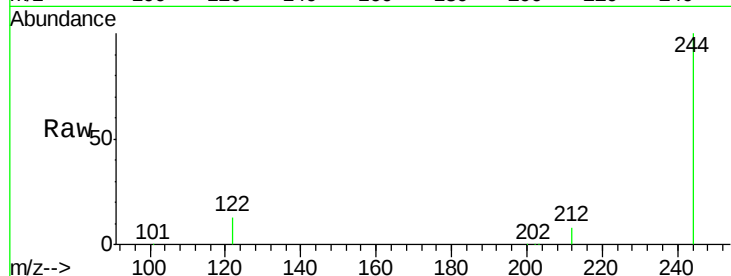
Tot Ion:244 Resp: 231270

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

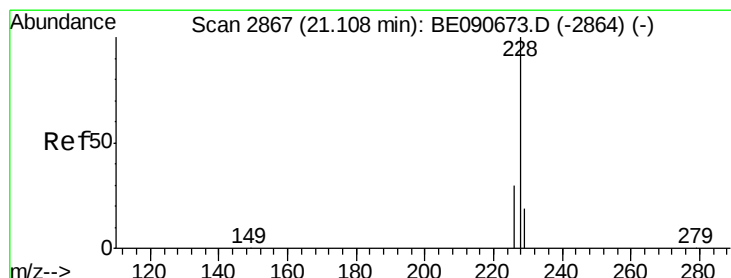
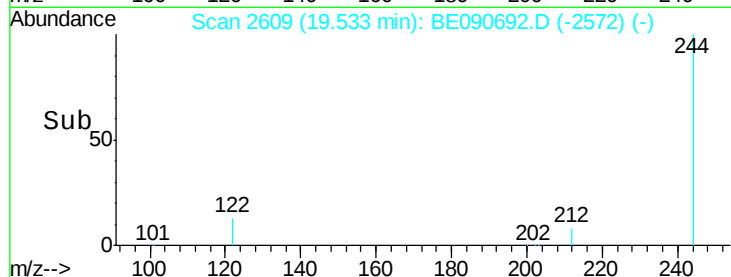
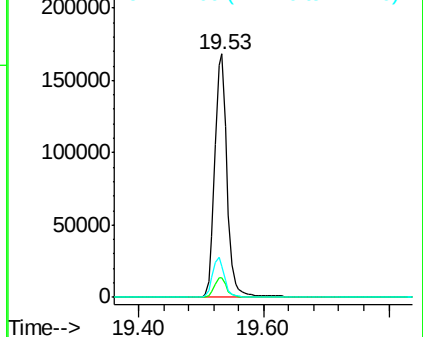
122 12.9 12.9 19.3



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

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

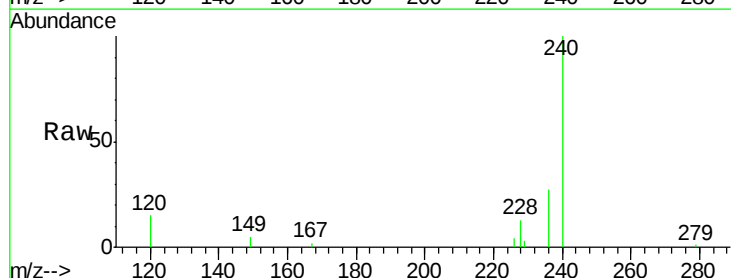
Tgt Ion:228 Resp: 1527

Ion Ratio Lower Upper

228 100

226 33.1 24.2 36.4

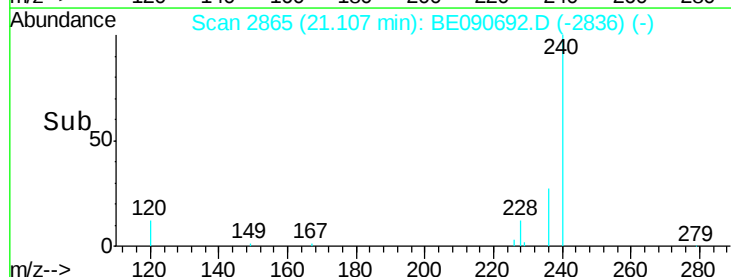
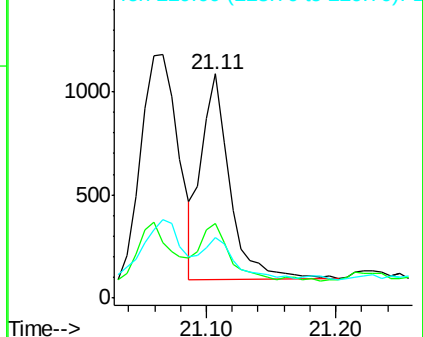
229 27.3 15.3 22.9#

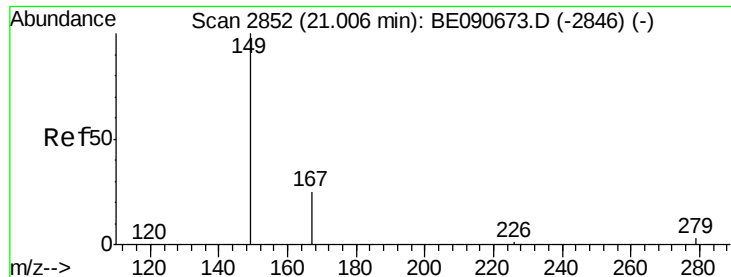


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :

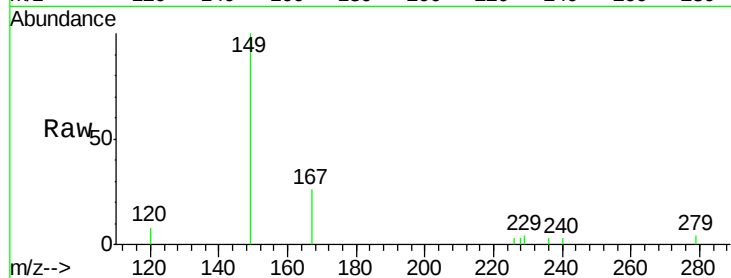
Tot Ion:149 Resp: 3147

Ion Ratio Lower Upper

149 100

167 23.1 20.1 30.1

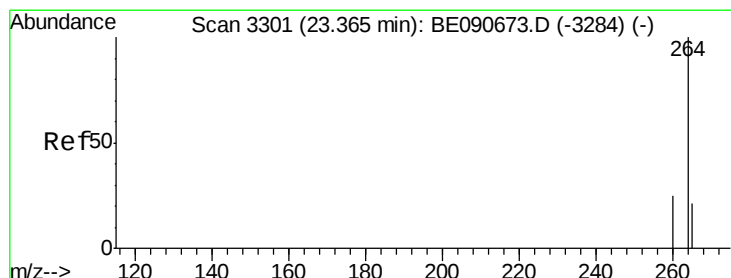
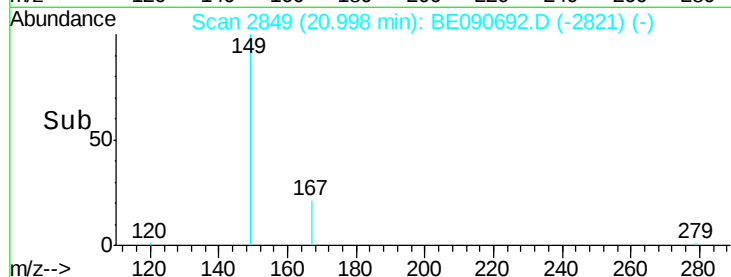
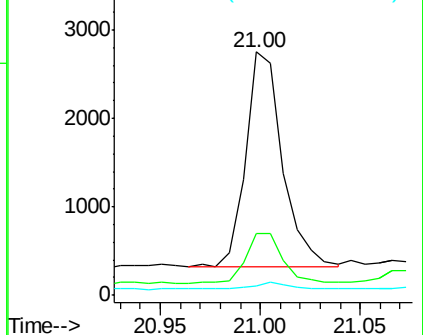
279 3.0 2.3 3.5



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

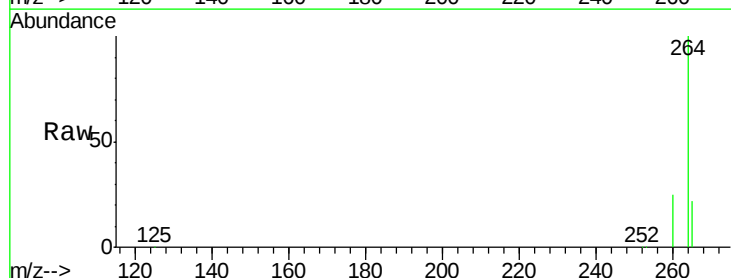
Tgt Ion:264 Resp: 287879

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

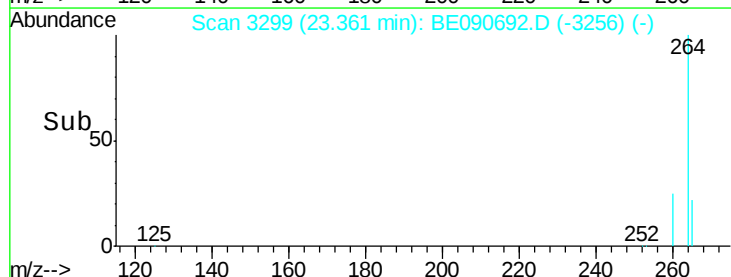
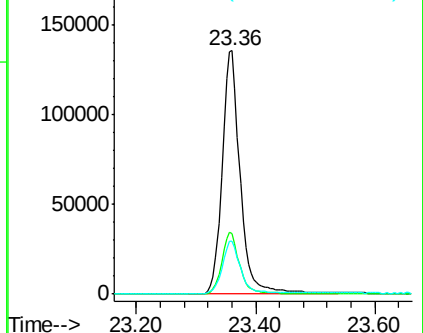
265 22.0 17.5 26.3

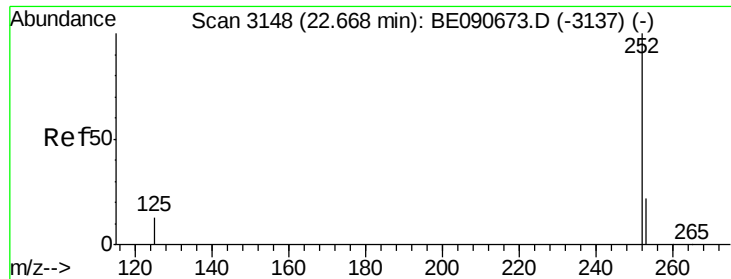


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.67 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampled :

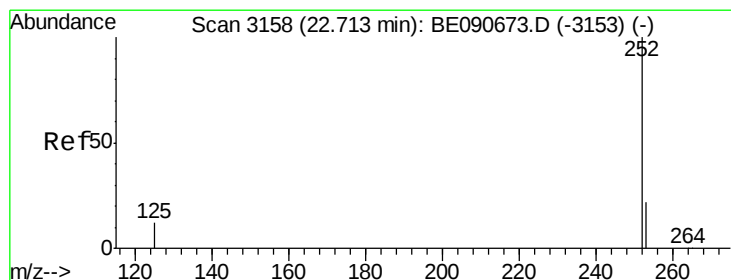
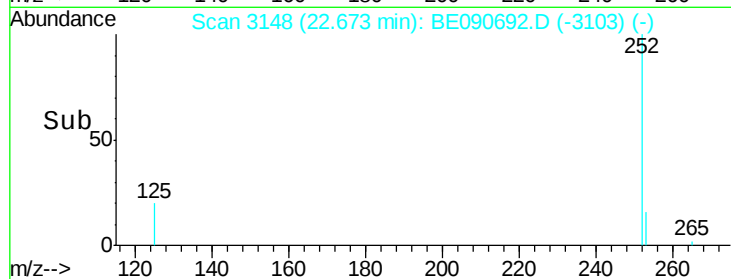
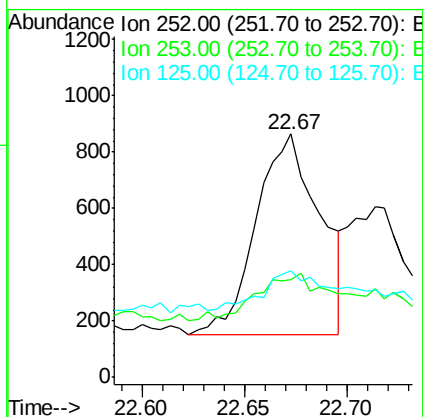
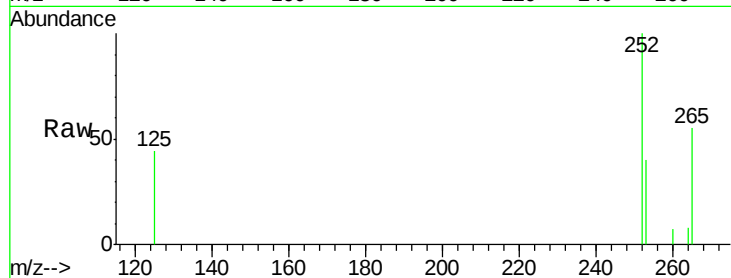
Tot Ion:252 Resp: 1538

Ion Ratio Lower Upper

252 100

253 40.0 17.9 26.9#

125 43.9 10.6 16.0#



#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.67 min Scan# 3148

Delta R.T. -0.04 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

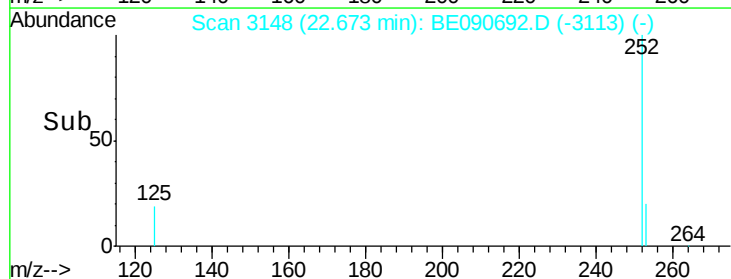
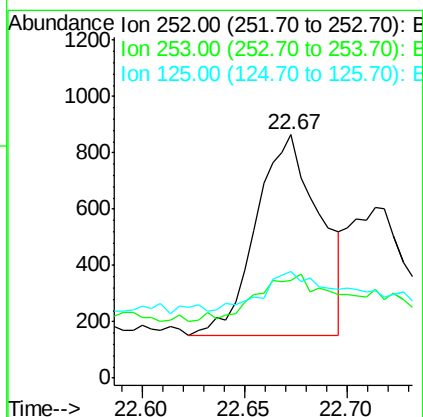
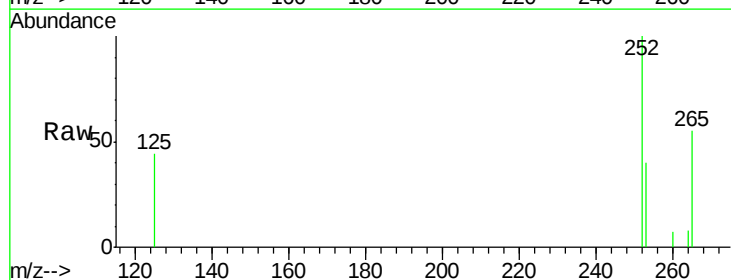
Tgt Ion:252 Resp: 1538

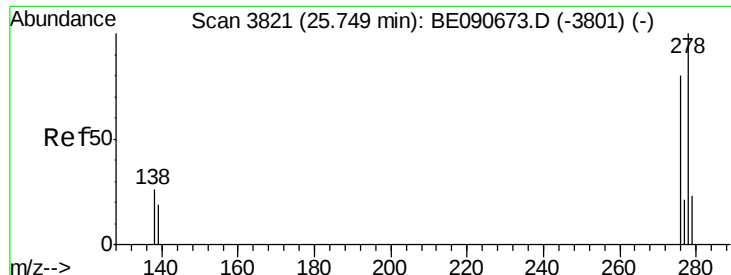
Ion Ratio Lower Upper

252 100

253 40.0 17.9 26.9#

125 43.9 10.1 15.1#





#36

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 25.75 min Scan# 3820

Delta R.T. -0.00 min

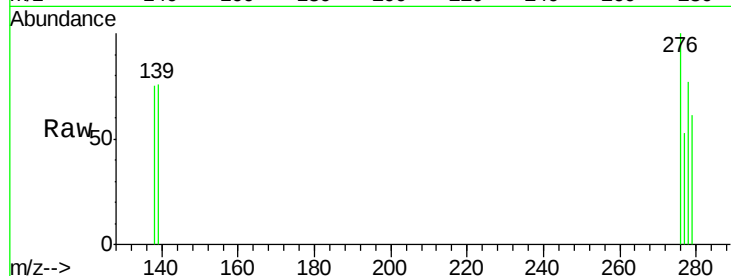
Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA_E

ClientSampleId :



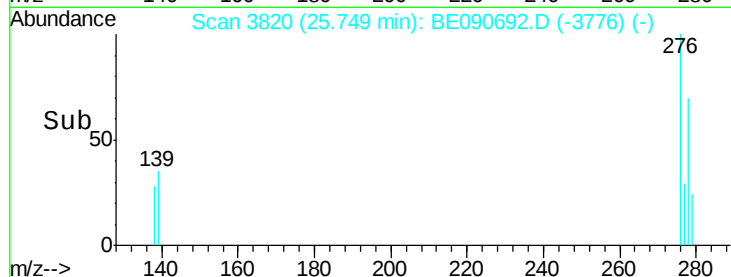
Tot Ion: 278 Resp: 417

Ion Ratio Lower Upper

278 100

139 98.1 15.4 23.0#

279 78.3 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

