

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081715\
 Data File : BE090542.D
 Acq On : 17 Aug 2015 20:43
 Operator : UM/IZ
 Sample : G3323-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 18 04:36:19 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 16:52:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	22458	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	109372	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	61251	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	134474	5.00	ng	0.00
25) Chrysene-d12	21.09	240	137395	5.00	ng	0.00
32) Perylene-d12	23.40	264	128210	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	19292	2.97	ng	0.00
5) Phenol-d6	6.78	99	16508	1.73	ng	0.00
7) Nitrobenzene-d5	8.73	82	30889	3.54	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	21597	9.16	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	63871	3.49	ng	0.00
27) Terphenyl-d14	19.56	244	100248	3.99	ng	0.00

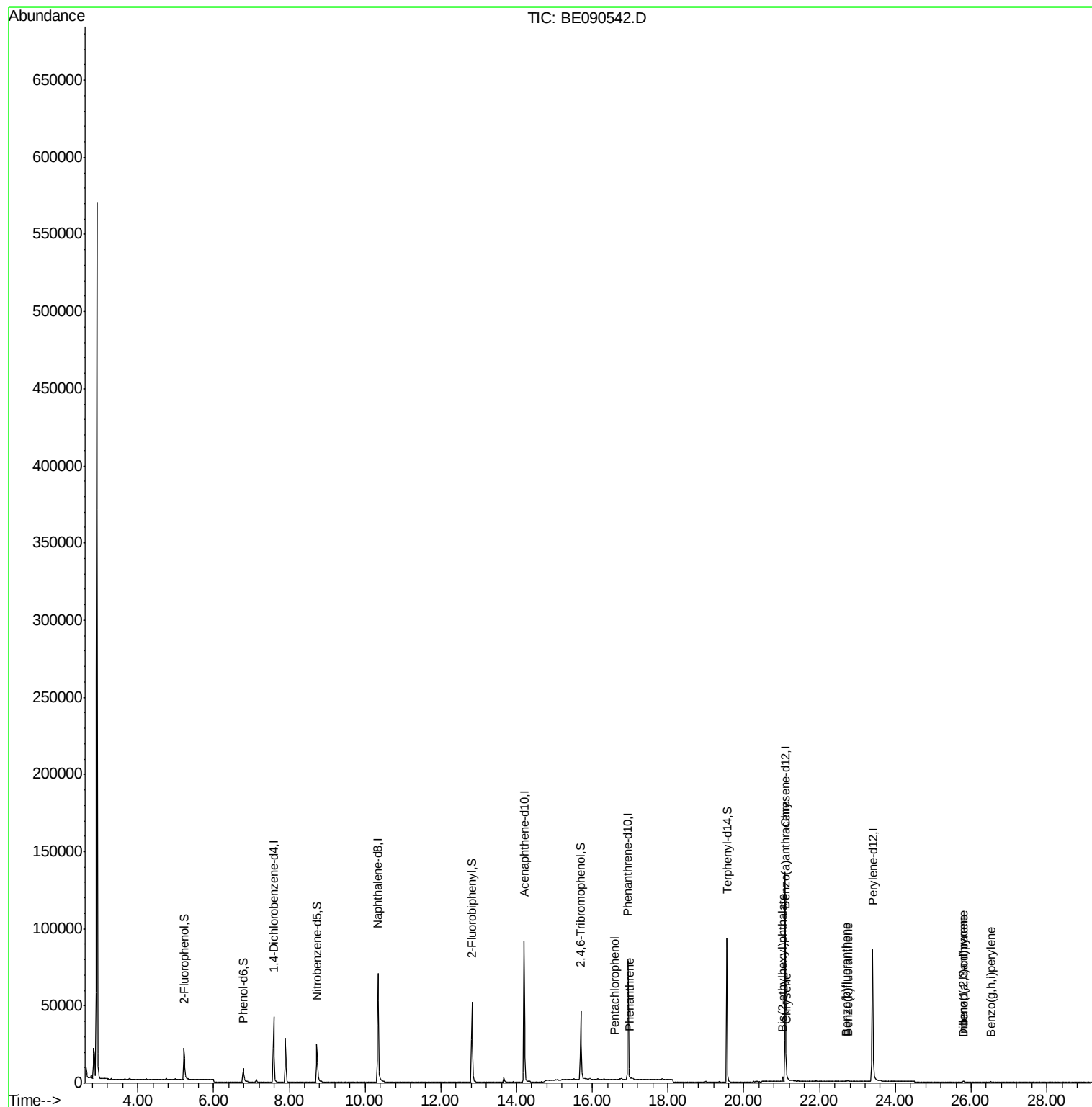
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	22	Below Cal	#	37
21) Pentachlorophenol	16.60	266	35	0.31 ng	#	71
22) Phenanthrene	16.98	178	808	0.02 ng	#	78
28) Benzo(a)anthracene	21.08	228	940	0.03 ng	#	73
29) Chrysene	21.13	228	919	0.02 ng	#	80
30) Bis(2-ethylhexyl)phthalate	21.03	149	3075	0.28 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	949	0.03 ng	#	93
33) Benzo(b)fluoranthene	22.70	252	949	0.03 ng	#	21
34) Benzo(k)fluoranthene	22.75	252	767	0.02 ng	#	12
36) Dibenzo(a,h)anthracene	25.81	278	603	0.02 ng	#	6
37) Benzo(g,h,i)perylene	26.52	276	869	0.03 ng	#	48

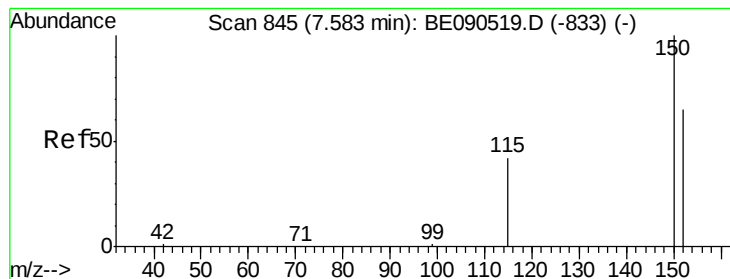
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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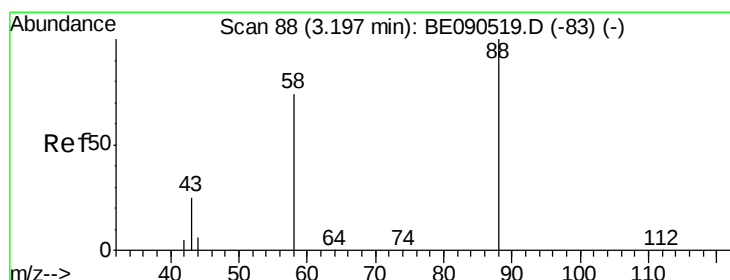
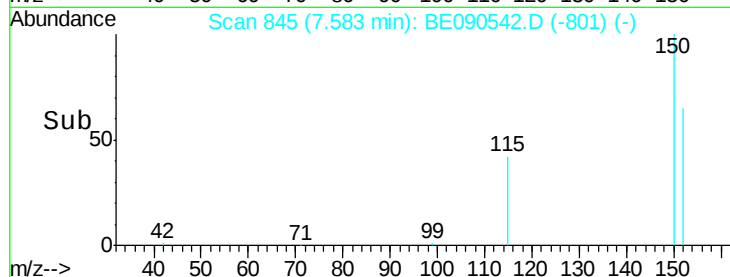
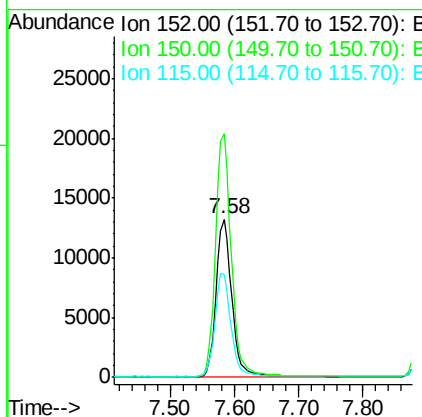
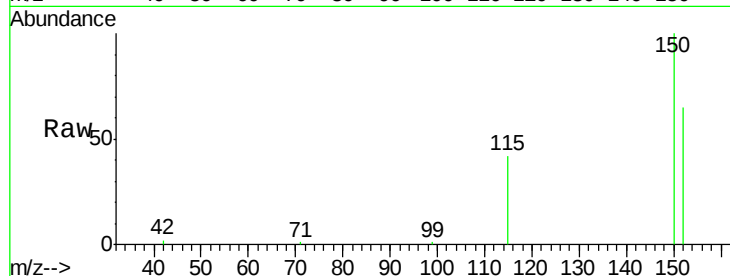




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BE090542.D
 Acq: 17 Aug 2015 20:43

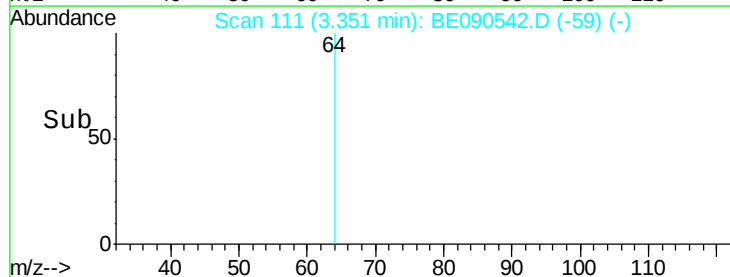
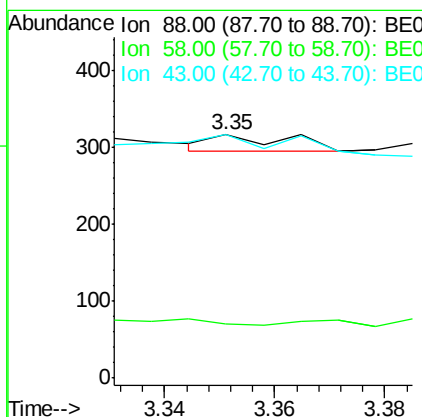
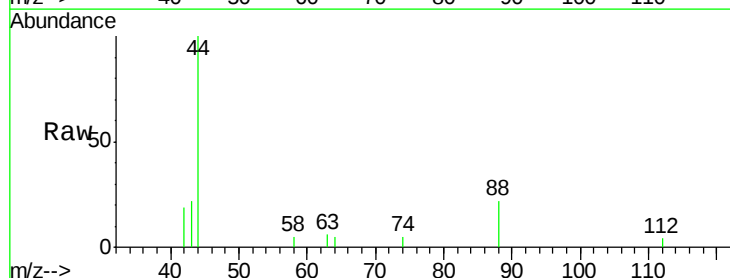
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 22458
 Ion Ratio Lower Upper
 152 100
 150 154.0 123.0 184.4
 115 65.3 48.9 73.3



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.35 min Scan# 111
 Delta R.T. 0.16 min
 Lab File: BE090542.D
 Acq: 17 Aug 2015 20:43

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 58 59.1 70.0 105.0#
 43 118.2 28.4 42.6#





#4

2-Fluorophenol

Concen: 2.97 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.01 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampleId :

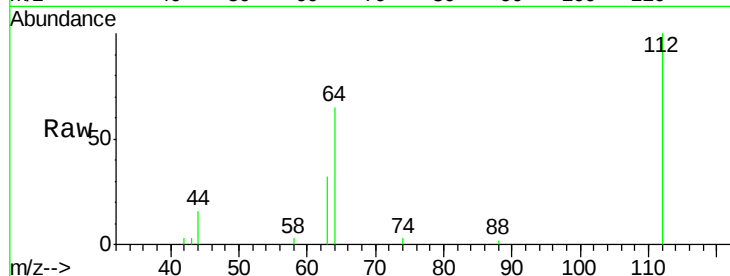
Tot Ion:112 Resp: 19292

Ion Ratio Lower Upper

112 100

64 70.2 37.1 55.7#

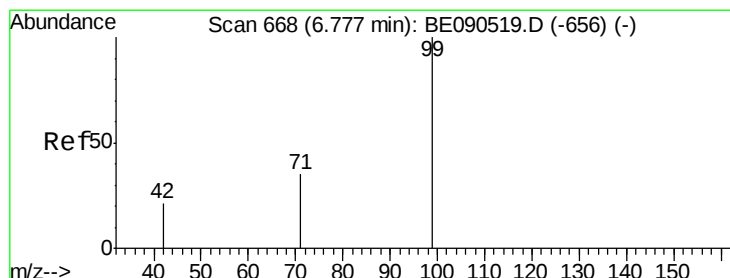
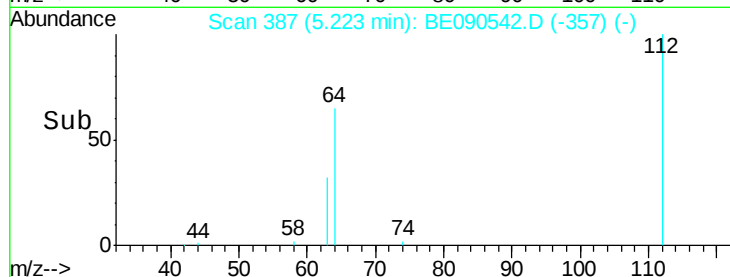
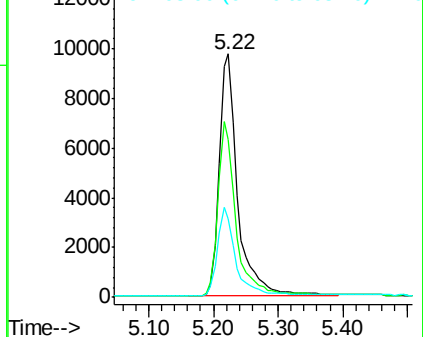
63 35.7 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.73 ng

RT: 6.78 min Scan# 669

Delta R.T. 0.00 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

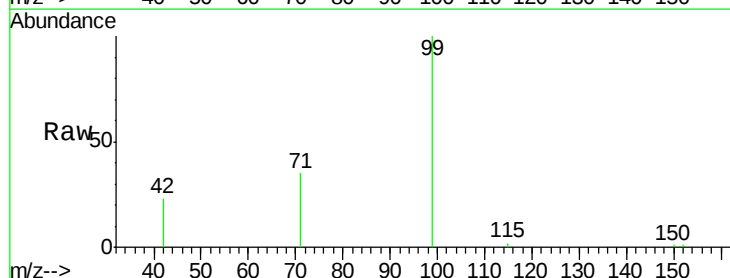
Tgt Ion: 99 Resp: 16508

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.4

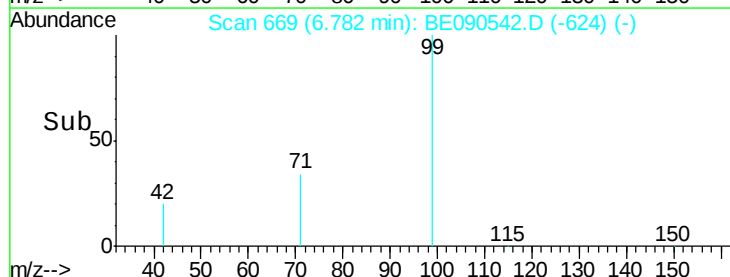
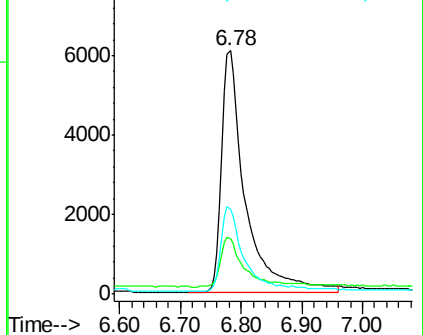
71 34.5 27.4 41.0

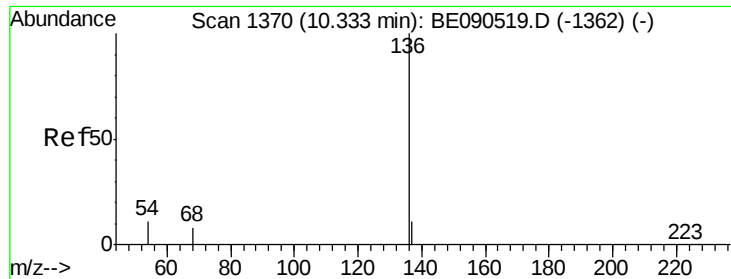


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

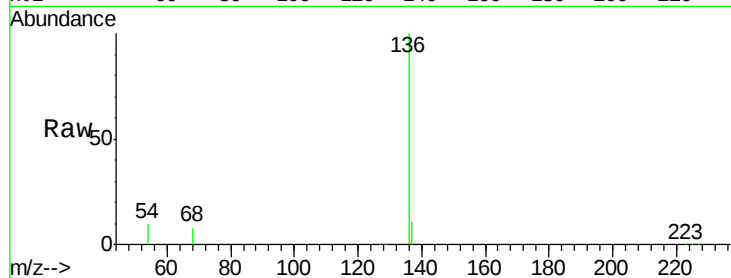




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	109372
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	10.2	9.4 14.0
68	7.9	6.5 9.7

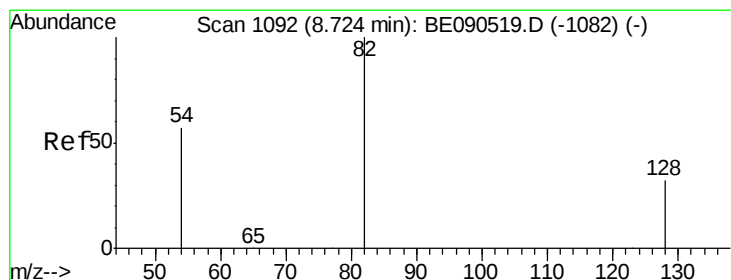
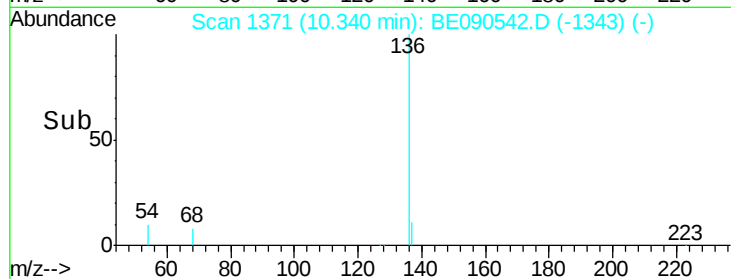
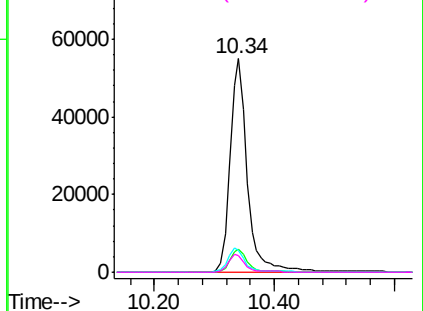


Abundance Ion 136.00 (135.70 to 136.70): BE090542.D (-1362) (-)

Ion 137.00 (136.70 to 137.70): BE090542.D (-1362) (-)

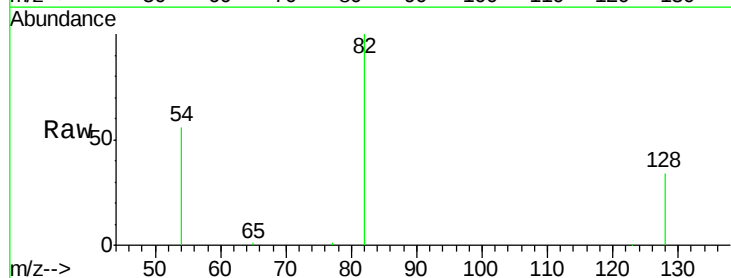
Ion 54.00 (53.70 to 54.70): BE090542.D (-1362) (-)

Ion 68.00 (67.70 to 68.70): BE090542.D (-1362) (-)



#7
Nitrobenzene-d5
Concen: 3.54 ng
RT: 8.73 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

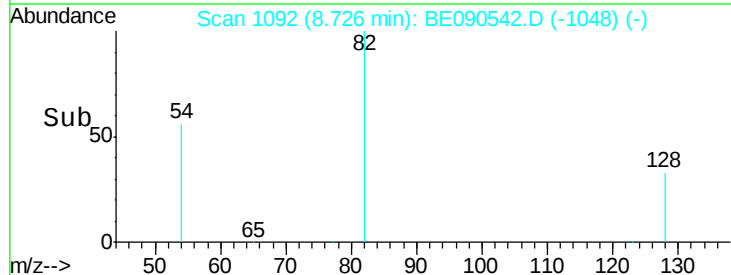
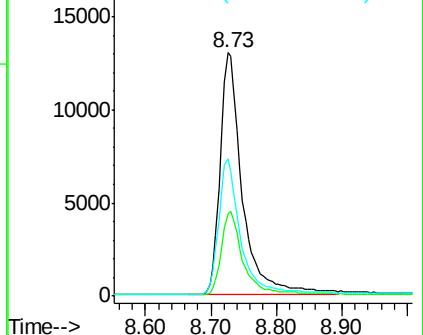
Tgt Ion: 82	Resp:	30889
Ion Ratio	Lower	Upper
82	100	
128	33.6	25.0 37.6
54	56.3	48.8 73.2

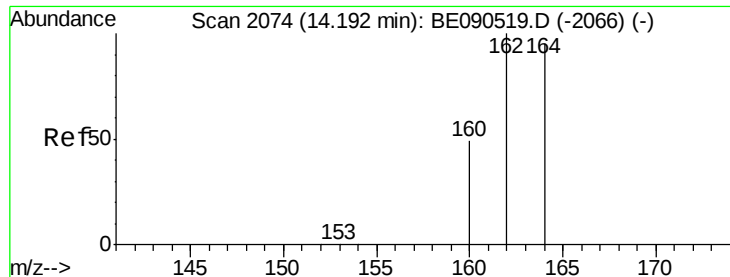


Abundance Ion 82.00 (81.70 to 82.70): BE090542.D (-1048) (-)

Ion 128.00 (127.70 to 128.70): BE090542.D (-1048) (-)

Ion 54.00 (53.70 to 54.70): BE090542.D (-1048) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampleId :

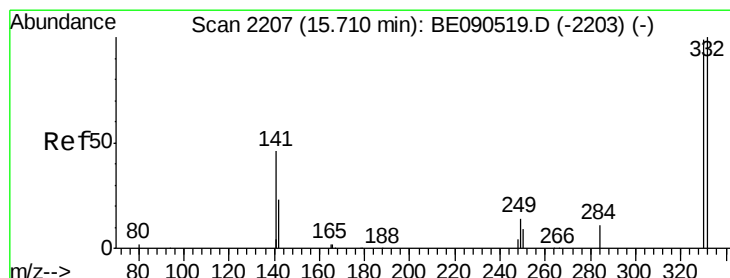
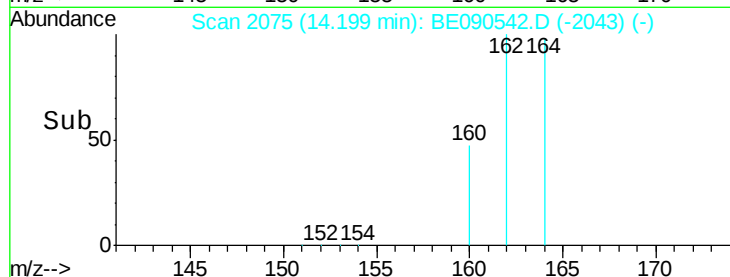
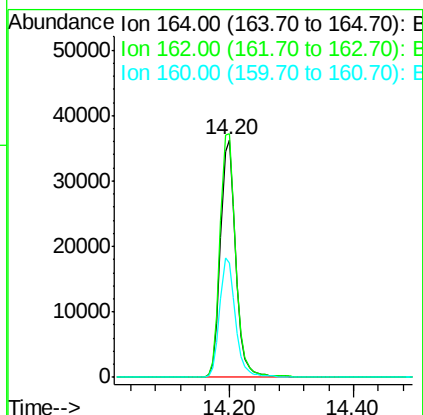
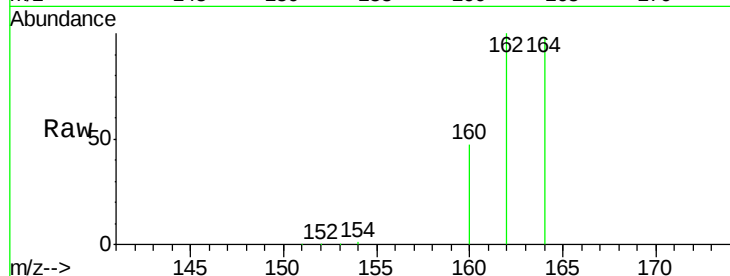
Tot Ion:164 Resp: 61251

Ion Ratio Lower Upper

164 100

162 102.5 81.8 122.8

160 48.1 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 9.16 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

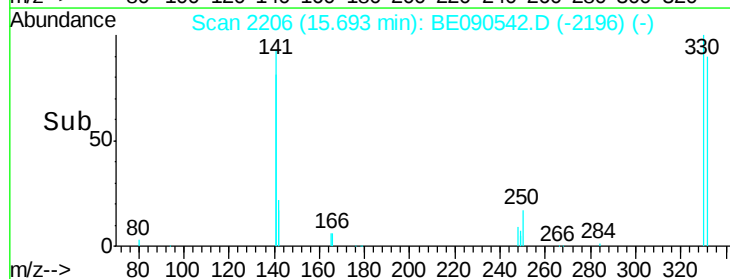
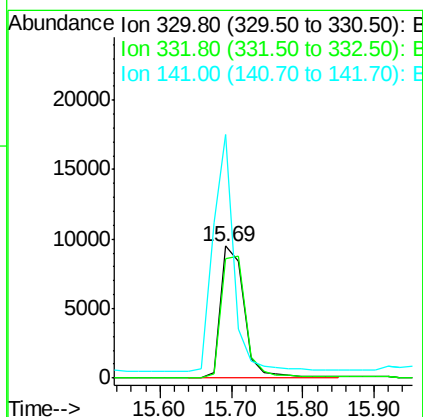
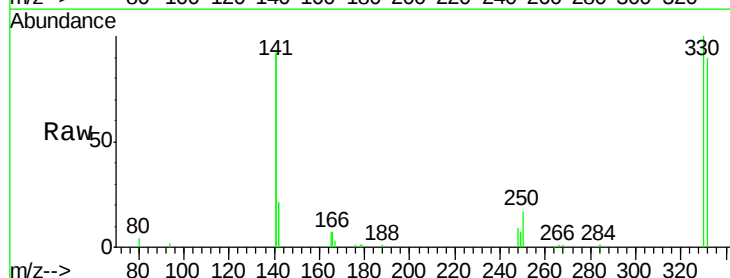
Tgt Ion:330 Resp: 21597

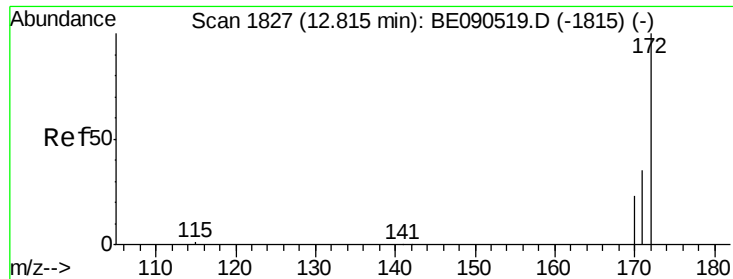
Ion Ratio Lower Upper

330 100

332 97.1 75.8 113.6

141 161.7 114.4 171.6

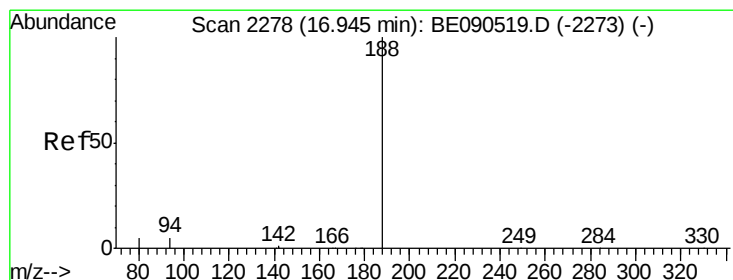
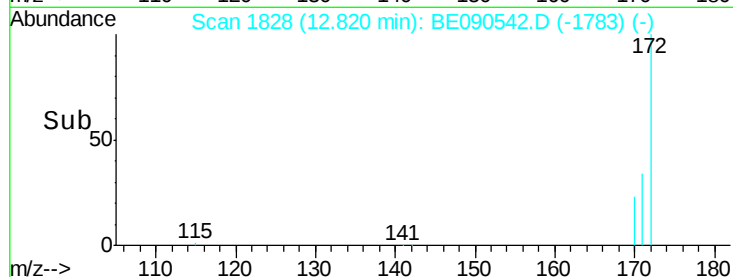
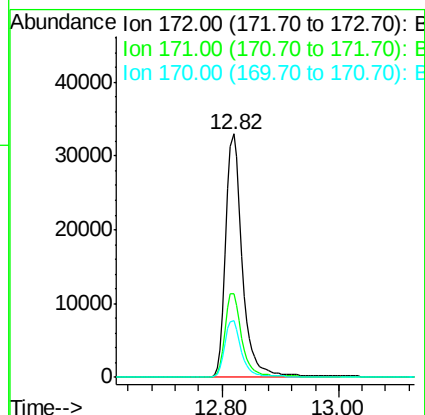
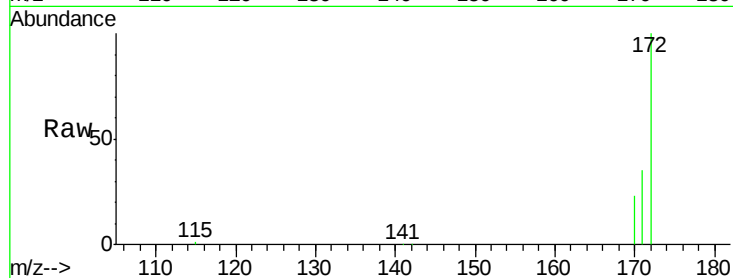




#14
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 12.82 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

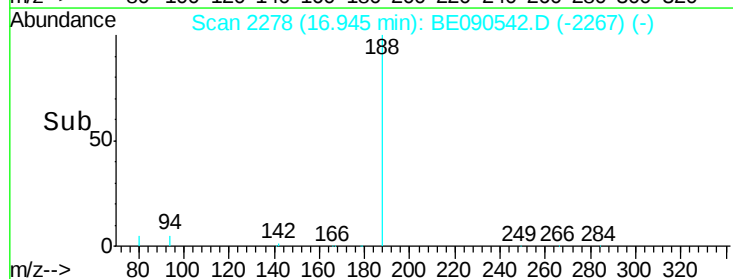
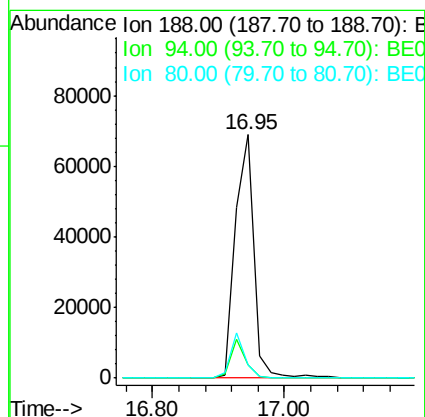
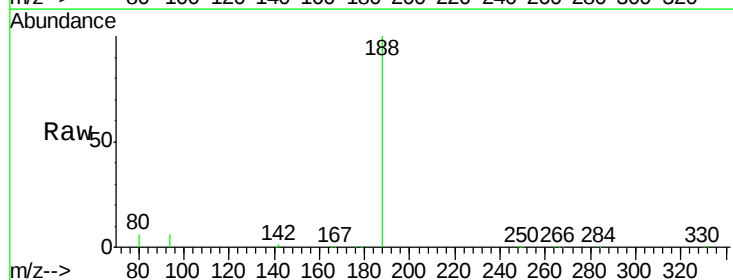
Instrument :
BNA_E
ClientSampleId :

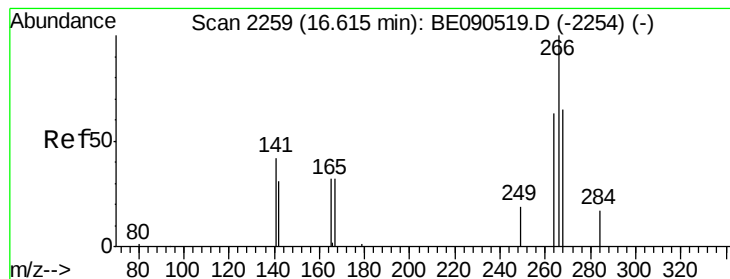
Tot Ion:172 Resp: 63871
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 23.3 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.95 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

Tgt Ion:188 Resp: 134474
Ion Ratio Lower Upper
188 100
94 5.6 5.7 8.5#
80 5.6 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.31 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampleId :

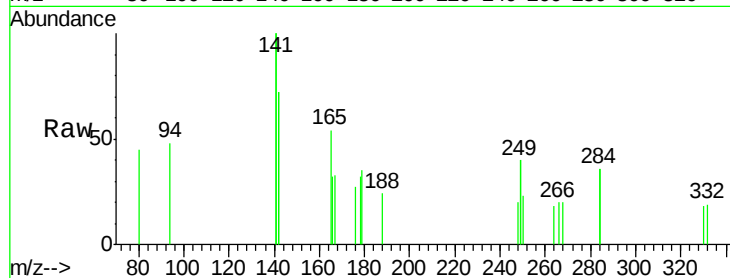
Tot Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

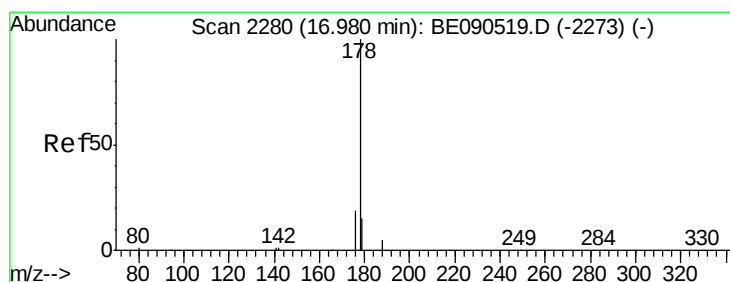
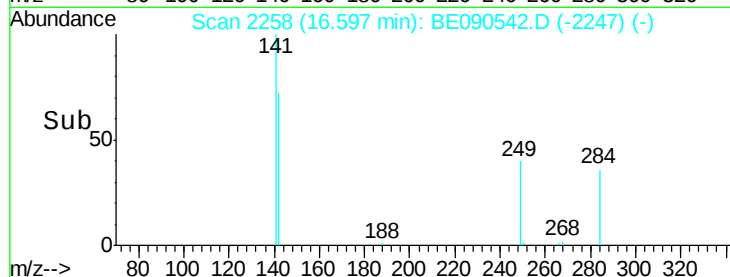
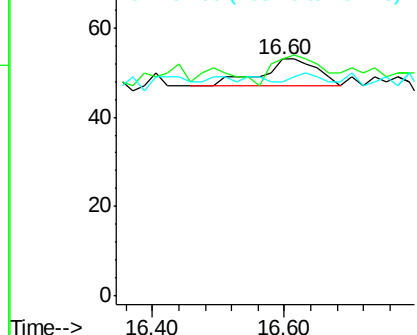
264 90.6 56.0 84.0#



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: 0.02 ng

RT: 16.98 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

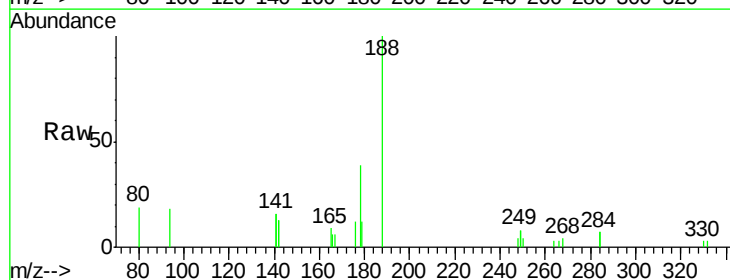
Tgt Ion:178 Resp: 808

Ion Ratio Lower Upper

178 100

176 23.1 15.4 23.2

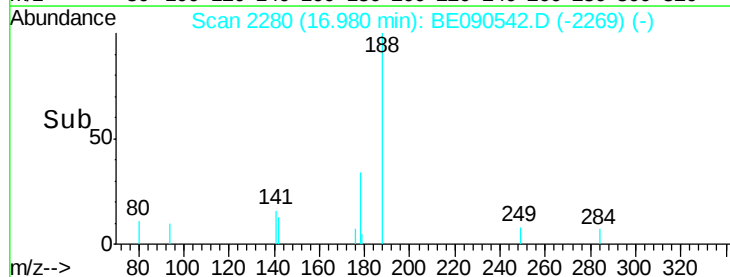
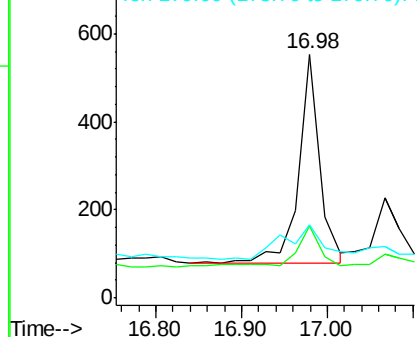
179 31.9 12.5 18.7#

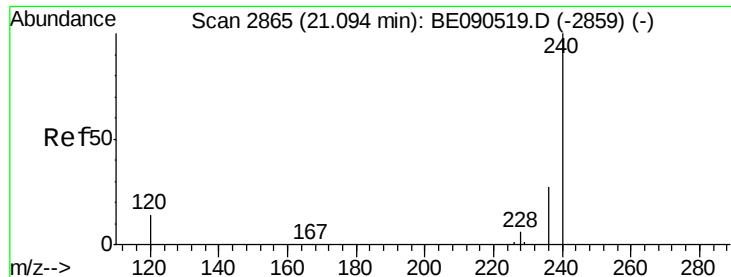


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampleId :

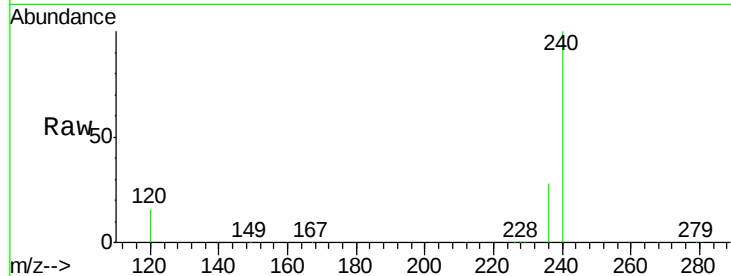
Tot Ion:240 Resp: 137395

Ion Ratio Lower Upper

240 100

120 15.9 8.3 12.5#

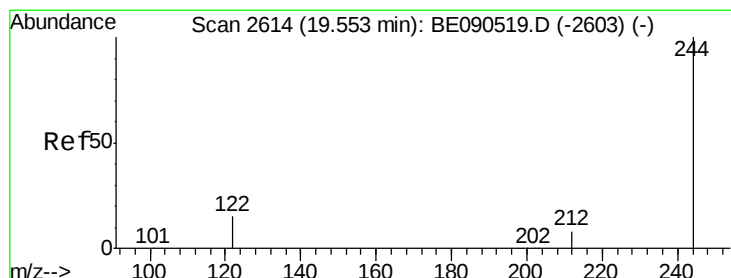
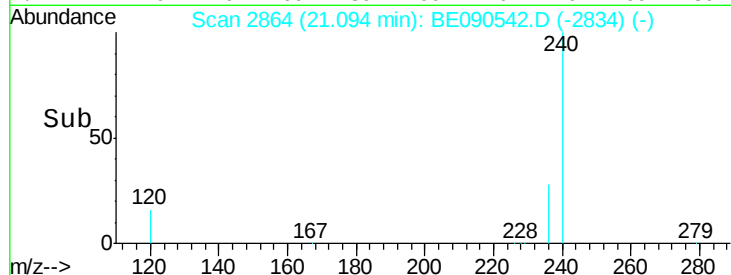
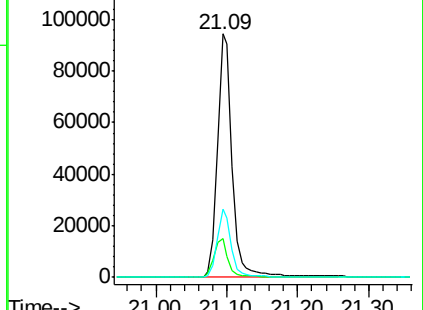
236 27.8 21.0 31.4



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

Terphenyl-d14

Concen: 3.99 ng

RT: 19.56 min Scan# 2614

Delta R.T. 0.00 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

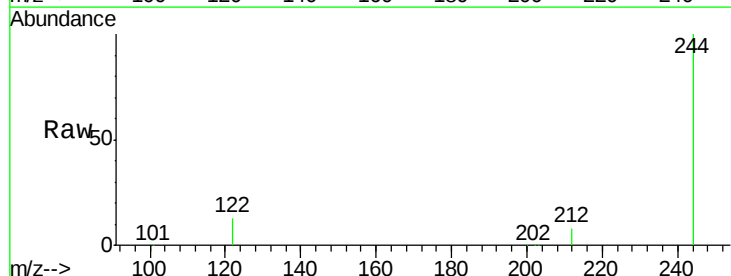
Tgt Ion:244 Resp: 100248

Ion Ratio Lower Upper

244 100

212 7.6 6.6 9.8

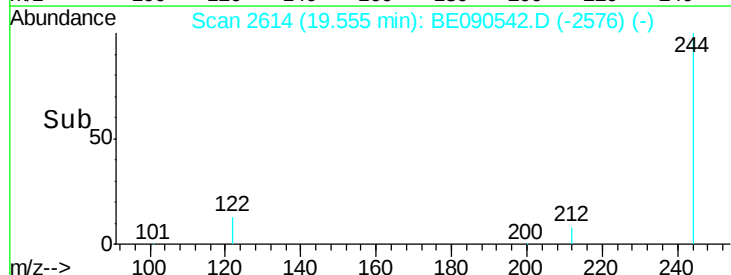
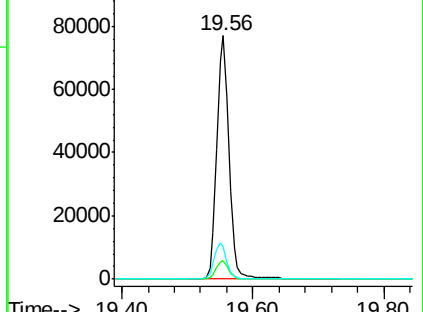
122 13.1 10.2 15.4

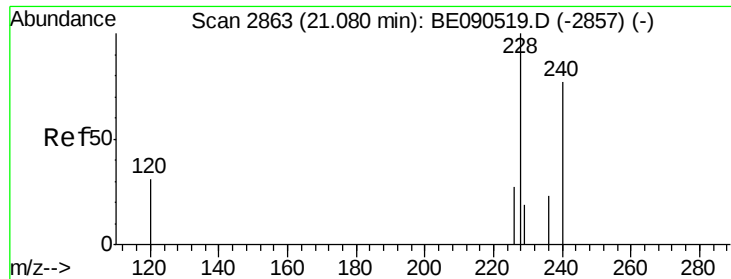


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

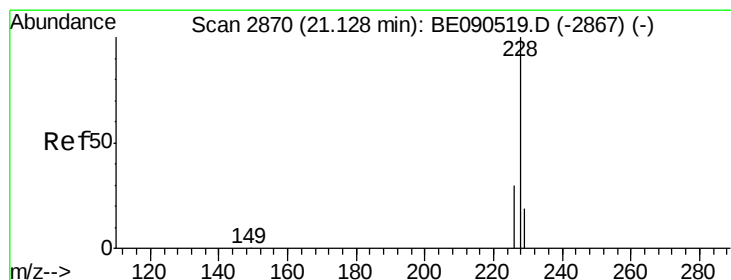
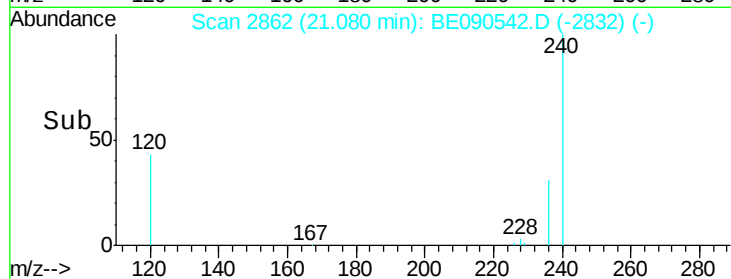
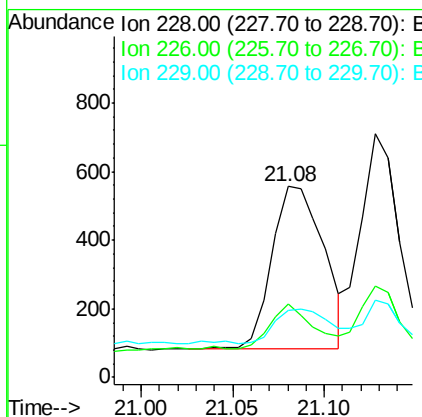
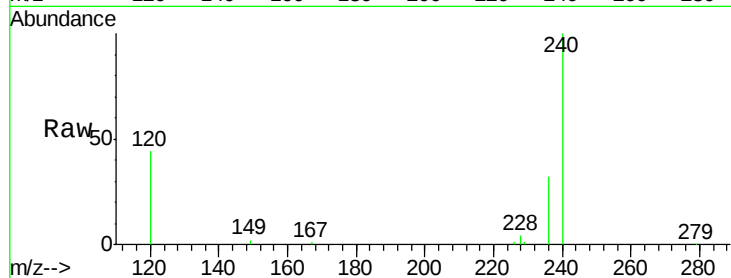




#28
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.08 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

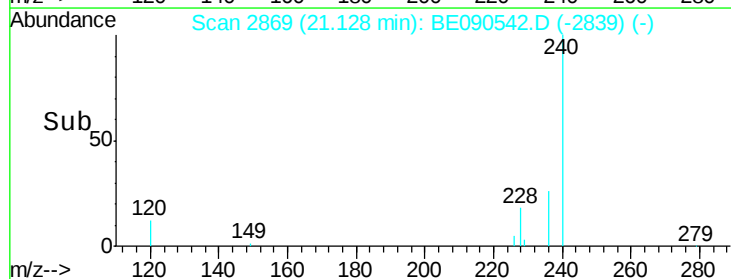
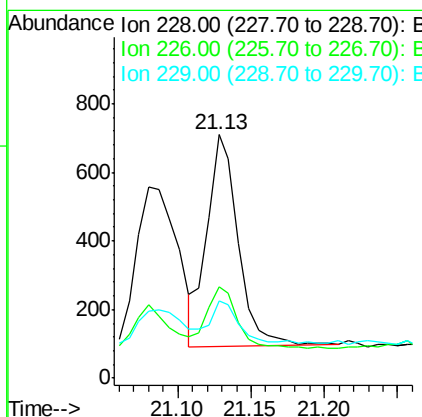
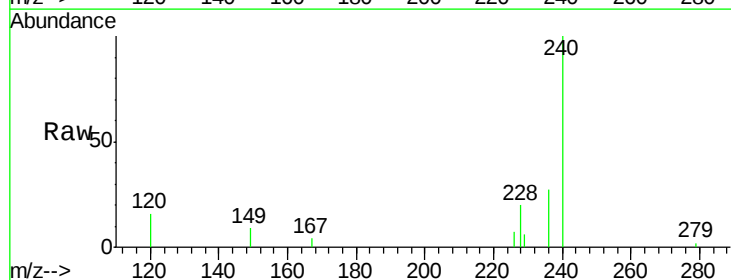
Instrument :
BNA_E
ClientSampleId :

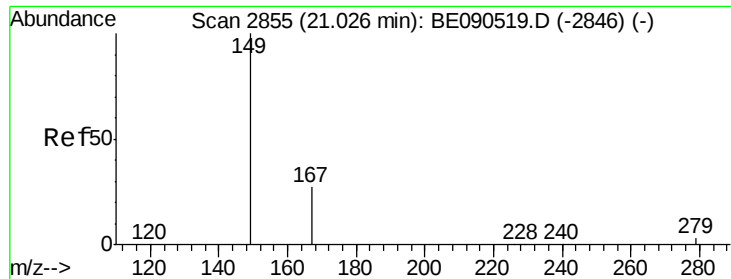
Tot Ion:228 Resp: 940
Ion Ratio Lower Upper
228 100
226 38.8 21.9 32.9#
229 34.8 15.4 23.0#



#29
Chrysene
Concen: 0.02 ng
RT: 21.13 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

Tgt Ion:228 Resp: 919
Ion Ratio Lower Upper
228 100
226 37.7 23.1 34.7#
229 31.7 15.8 23.8#

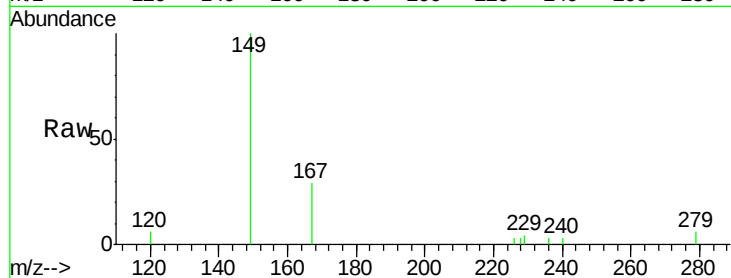




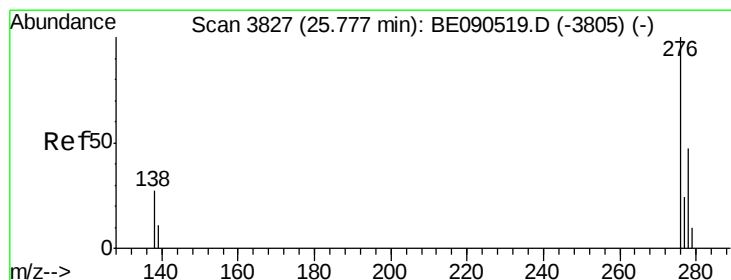
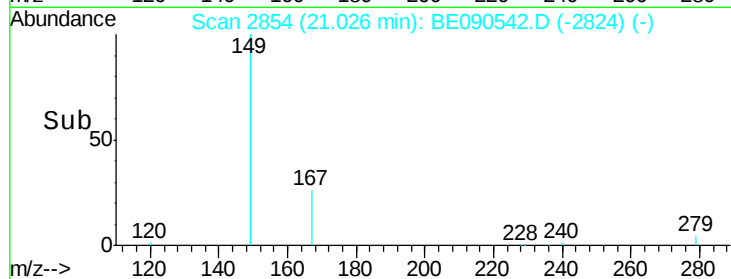
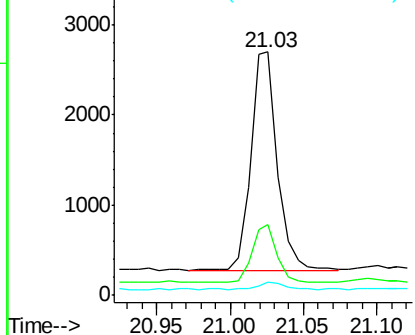
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090542.D
 Acq: 17 Aug 2015 20:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 3075
 Ion Ratio Lower Upper
 149 100
 167 24.5 19.8 29.8
 279 3.7 2.4 3.6#

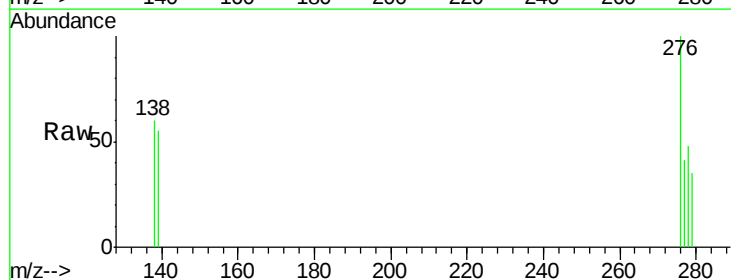


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

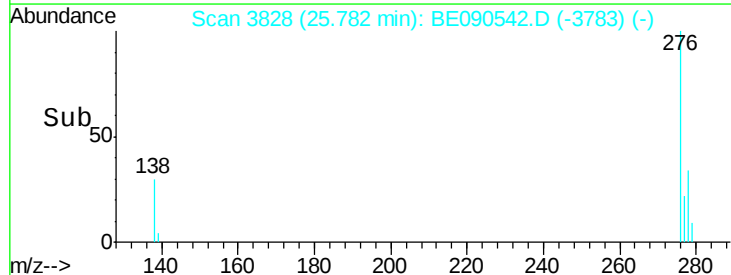
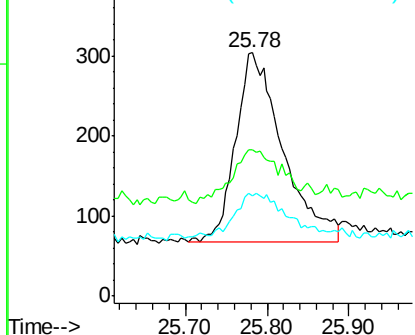


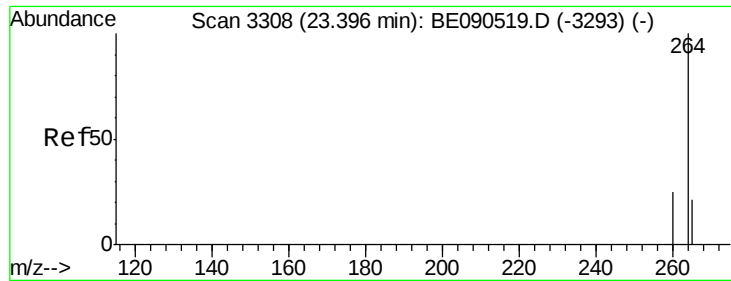
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.78 min Scan# 3828
 Delta R.T. 0.00 min
 Lab File: BE090542.D
 Acq: 17 Aug 2015 20:43

Tgt Ion:276 Resp: 949
 Ion Ratio Lower Upper
 276 100
 138 29.5 18.8 28.2#
 277 23.8 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

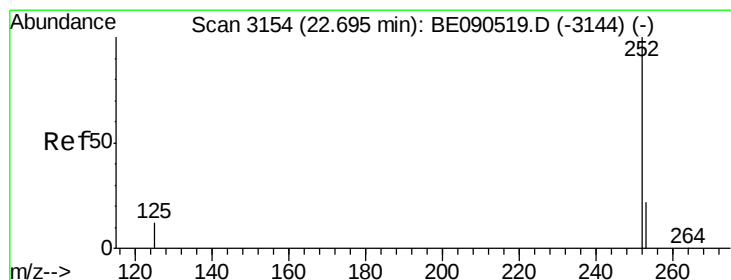
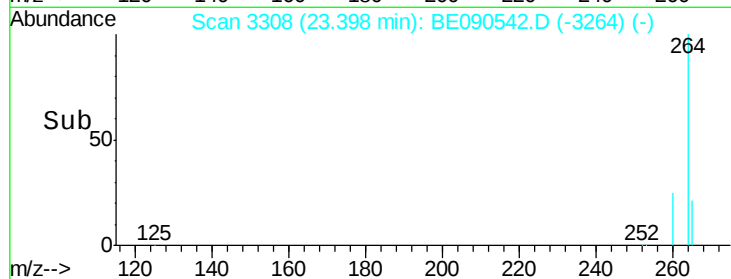
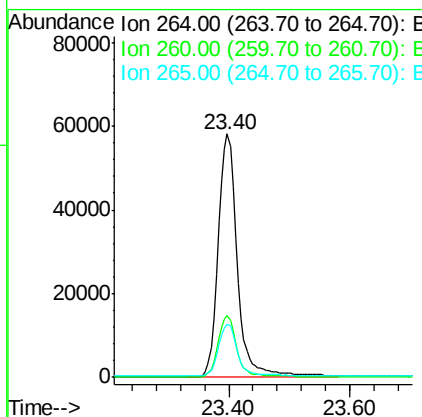
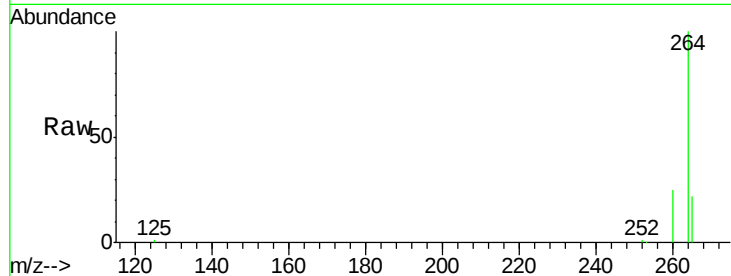




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

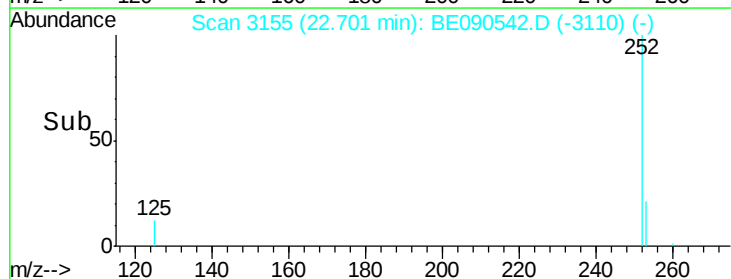
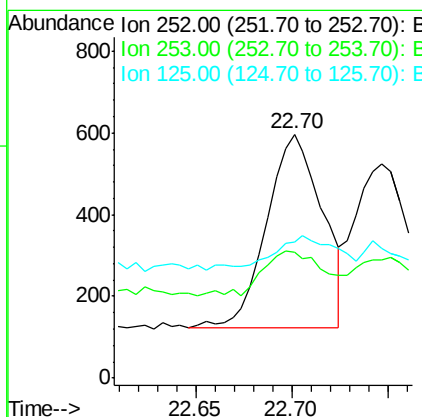
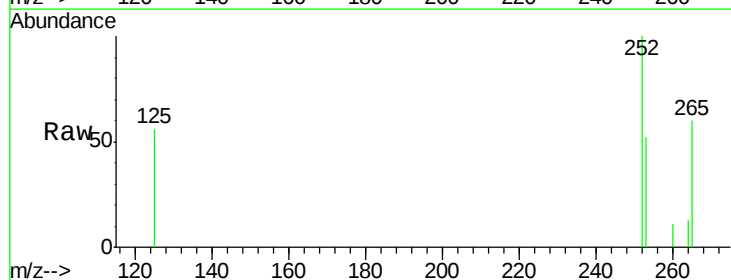
Instrument :
BNA_E
ClientSampleId :

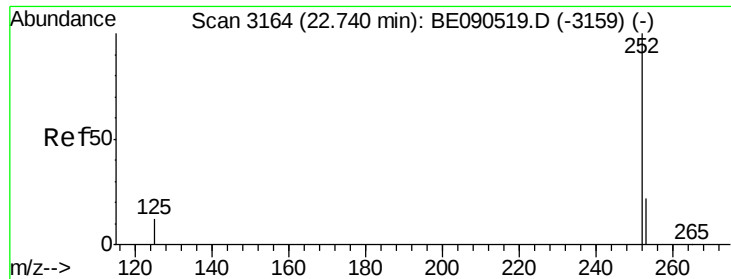
Tot Ion:264 Resp: 128210
Ion Ratio Lower Upper
264 100
260 25.2 20.1 30.1
265 22.0 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.70 min Scan# 3155
Delta R.T. 0.01 min
Lab File: BE090542.D
Acq: 17 Aug 2015 20:43

Tgt Ion:252 Resp: 949
Ion Ratio Lower Upper
252 100
253 51.8 18.1 27.1#
125 56.0 9.4 14.2#





#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.75 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampled :

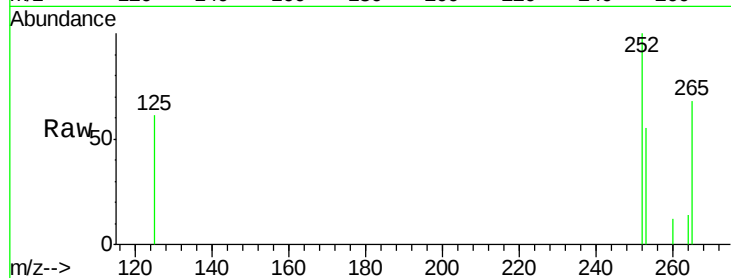
Tot Ion:252 Resp: 767

Ion Ratio Lower Upper

252 100

253 55.4 18.1 27.1#

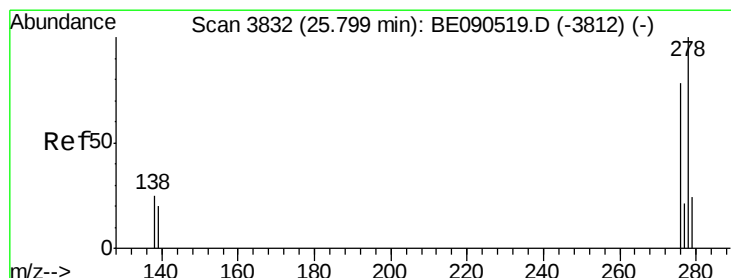
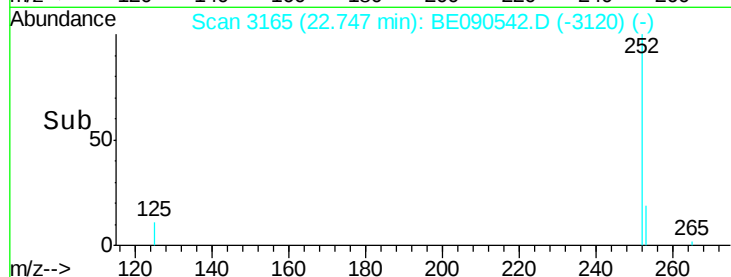
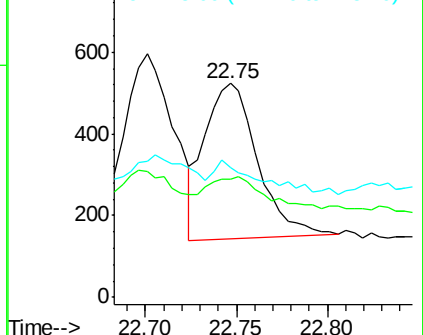
125 60.6 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 25.81 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

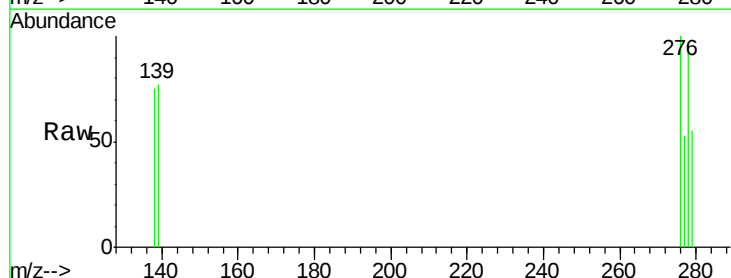
Tgt Ion:278 Resp: 603

Ion Ratio Lower Upper

278 100

139 79.5 14.2 21.4#

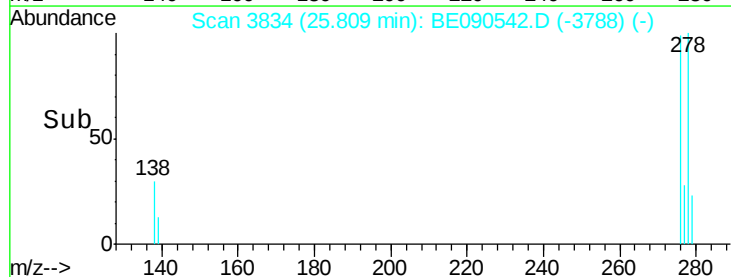
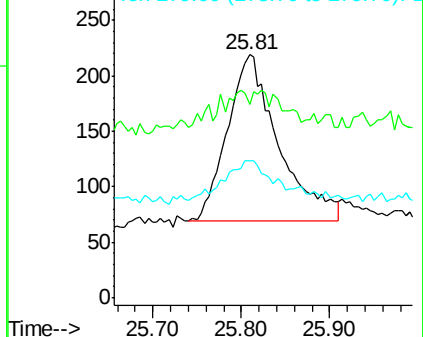
279 56.2 20.1 30.1#

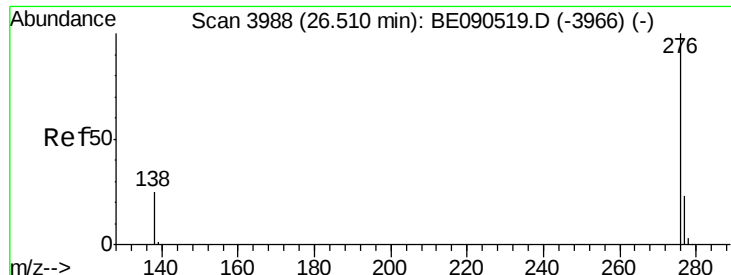


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.03 ng

RT: 26.52 min Scan# 3989

Delta R.T. 0.00 min

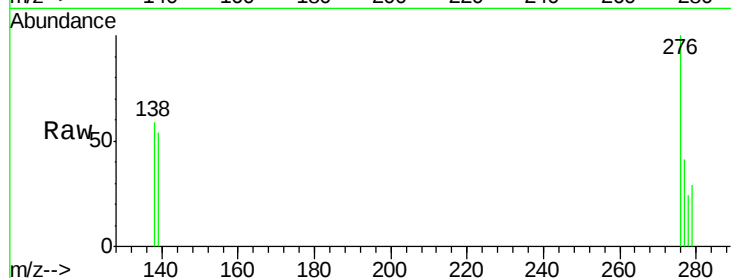
Lab File: BE090542.D

Acq: 17 Aug 2015 20:43

Instrument :

BNA_E

ClientSampleId :



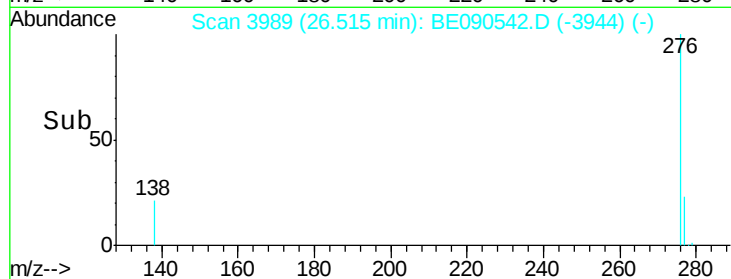
Tot Ion: 276 Resp: 869

Ion Ratio Lower Upper

276 100

277 41.1 20.1 30.1#

138 58.9 18.1 27.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.52

300

200

100

0

Time-->