

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090370.D
 Acq On : 5 Aug 2015 21:43
 Operator : TP/UM
 Sample : G3180-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-B

Quant Time: Aug 06 02:34:33 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	18036	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	76487	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	42726	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	105048	5.00	ng	0.00
25) Chrysene-d12	21.10	240	130784	5.00	ng	0.00
32) Perylene-d12	23.40	264	117888	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	7752	2.47	ng	0.00
5) Phenol-d6	6.78	99	6756	1.36	ng	0.00
7) Nitrobenzene-d5	8.74	82	20623	3.38	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	7879	6.59	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	56011	4.77	ng	0.00
27) Terphenyl-d14	19.56	244	128546	6.67	ng	0.00

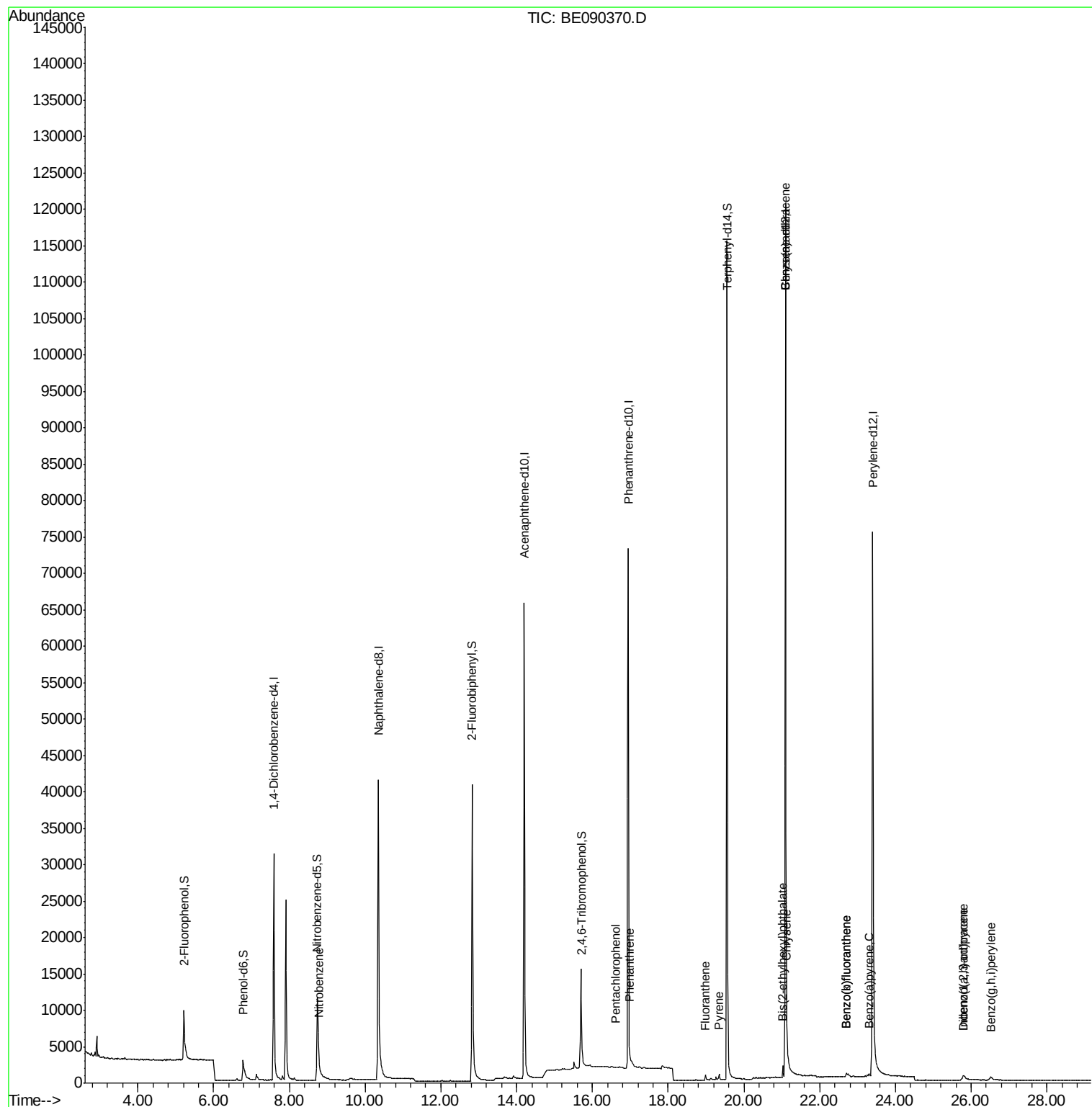
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	10	Below Cal	#	16
8) Nitrobenzene	8.79	77	9	0.21 ng	#	36
10) Hexachlorobutadiene	10.69	225	1	Below Cal	#	1
21) Pentachlorophenol	16.61	266	44	0.14 ng	#	65
22) Phenanthrene	16.98	178	528	0.02 ng	#	83
24) Fluoranthene	18.99	202	732	0.03 ng		94
26) Pyrene	19.35	202	874	0.03 ng	#	94
28) Benzo(a)anthracene	21.09	228	943	0.03 ng	#	77
29) Chrysene	21.13	228	815	0.02 ng	#	77
30) Bis(2-ethylhexyl)phthalate	21.03	149	1599	0.34 ng	#	97
31) Indeno(1,2,3-cd)pyrene	25.79	276	1520	0.30 ng	#	60
33) Benzo(b)fluoranthene	22.71	252	839	0.22 ng	#	41
34) Benzo(k)fluoranthene	22.71	252	839	0.03 ng	#	40
35) Benzo(a)pyrene	23.29	252	767	0.26 ng	#	41
36) Dibenzo(a,h)anthracene	25.81	278	1008	0.32 ng	#	60
37) Benzo(g,h,i)perylene	26.51	276	1293	0.06 ng	#	79

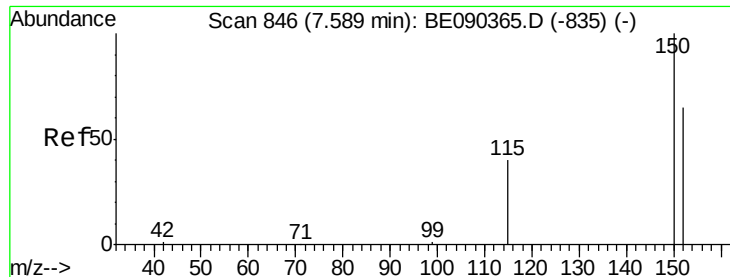
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

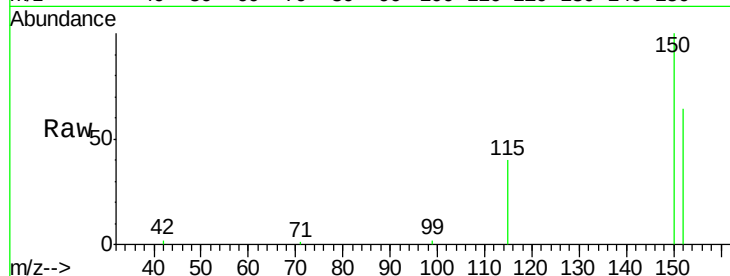
Tgt Ion:152 Resp: 18036

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

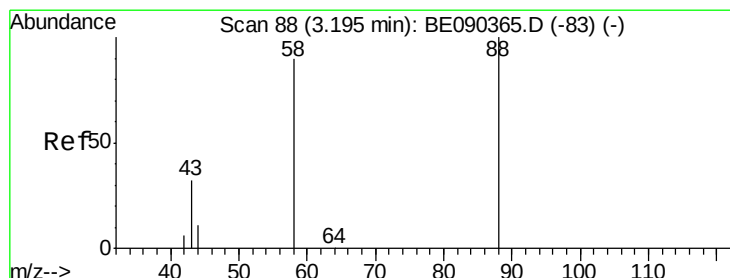
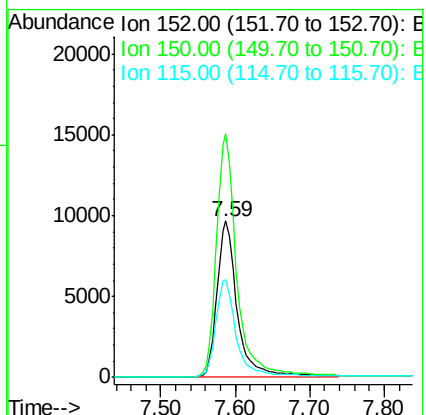
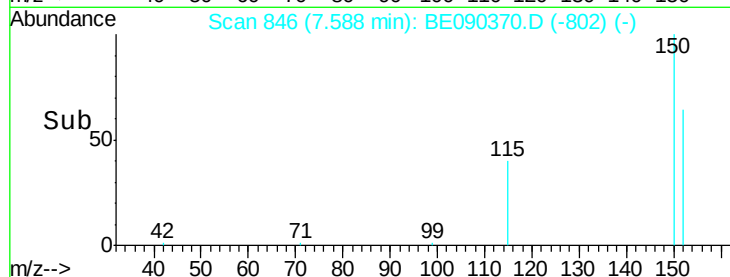
115 63.0 48.9 73.3



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: 3.36 min Scan# 112

Delta R.T. 0.16 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

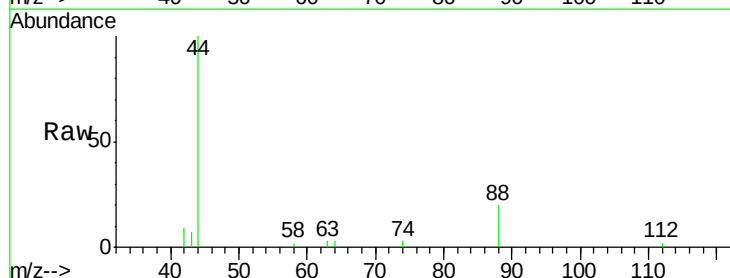
Tgt Ion: 88 Resp: 10

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

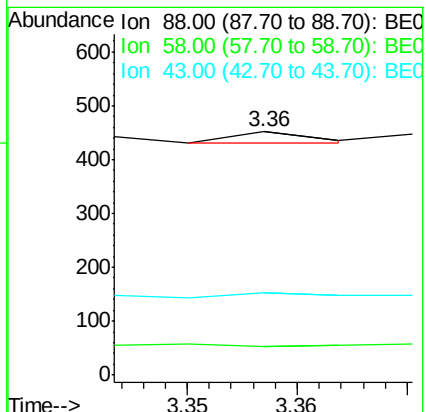
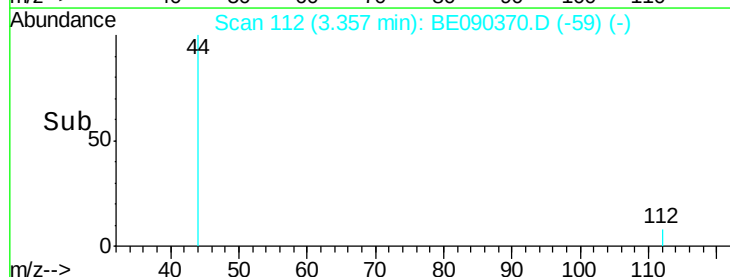
43 70.0 28.4 42.6#

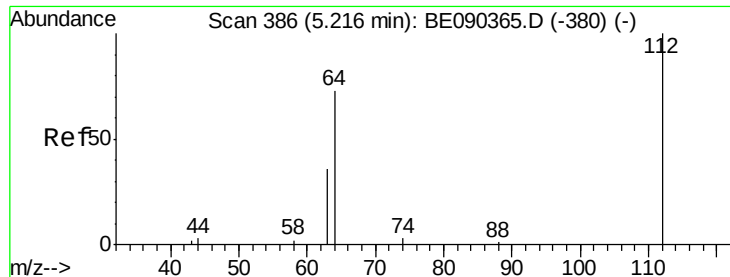


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.47 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

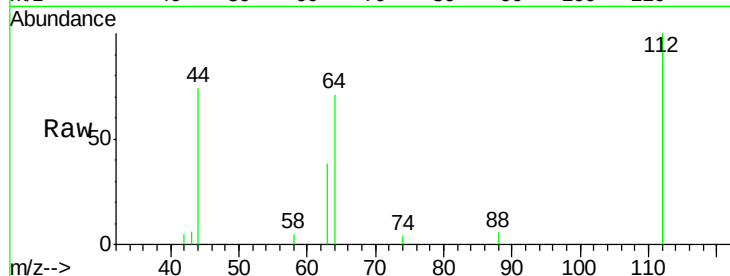
Tgt Ion: 112 Resp: 7752

Ion Ratio Lower Upper

112 100

64 72.0 37.1 55.7#

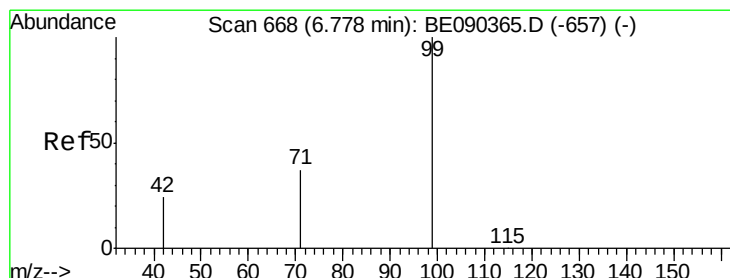
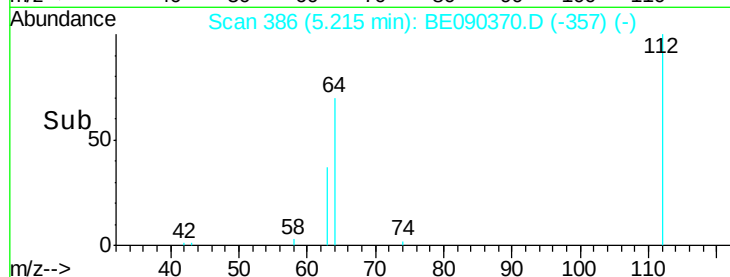
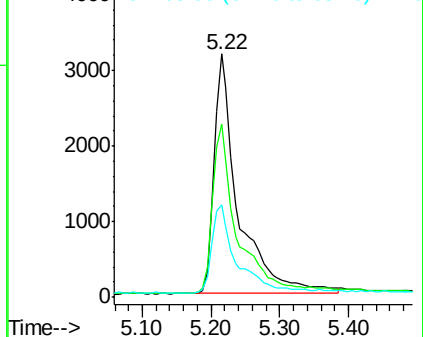
63 37.2 19.5 29.3#



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: 1.36 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

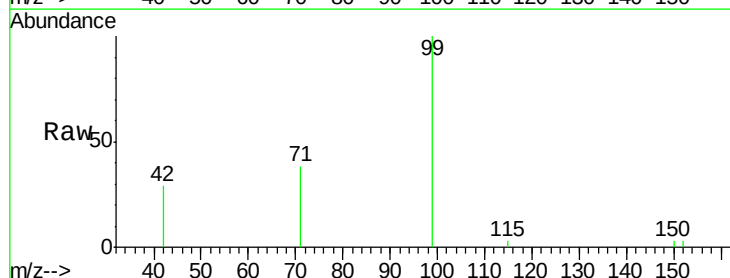
Tgt Ion: 99 Resp: 6756

Ion Ratio Lower Upper

99 100

42 22.6 18.2 27.4

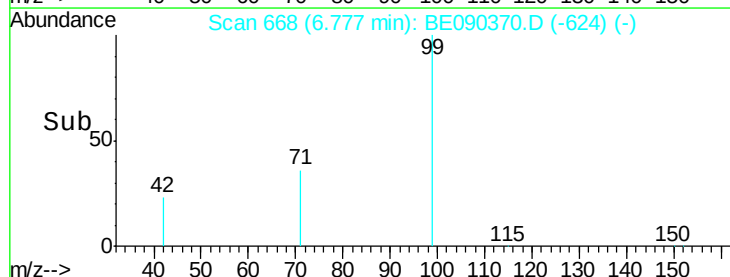
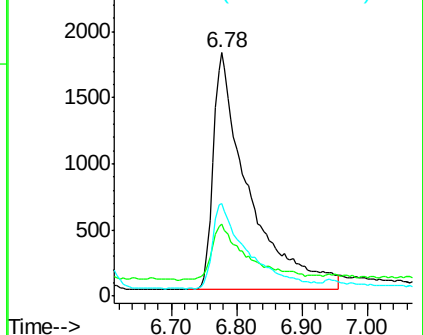
71 35.5 27.4 41.0

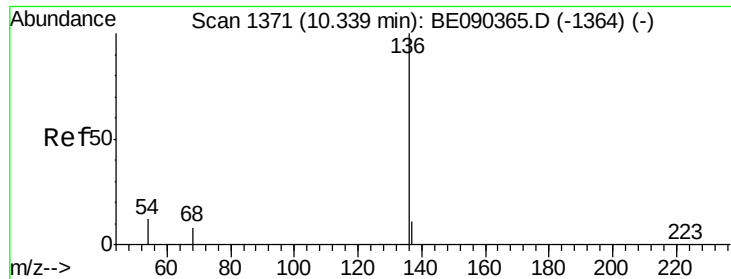


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.35 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

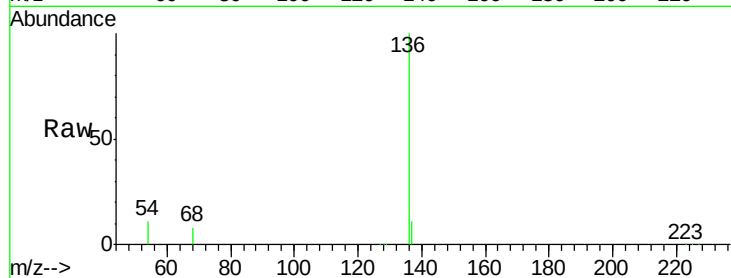
Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

Tgt Ion:	136	Resp:	76487
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.5	9.4	14.0
68	7.6	6.5	9.7

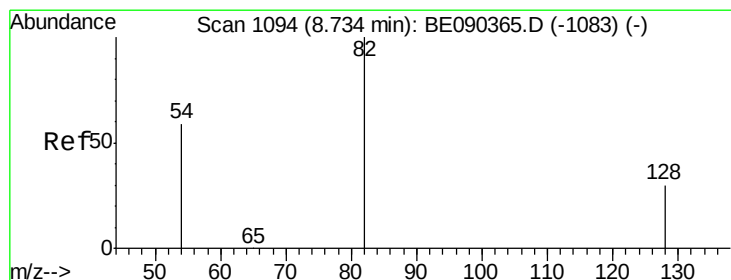
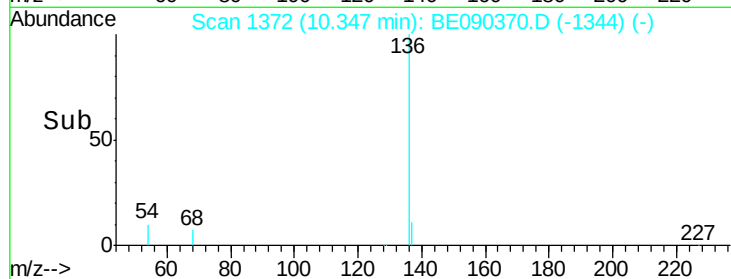
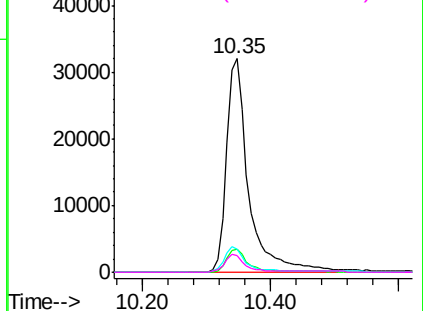


Abundance Ion 136.00 (135.70 to 136.70): BE090370.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090370.D (-1364) (-)

Ion 54.00 (53.70 to 54.70): BE090370.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090370.D (-1364) (-)



#7

Nitrobenzene-d5

Concen: 3.38 ng

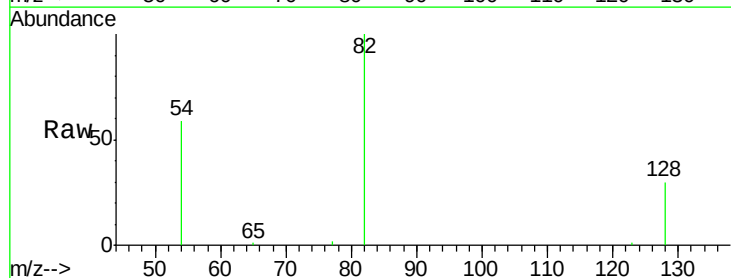
RT: 8.74 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

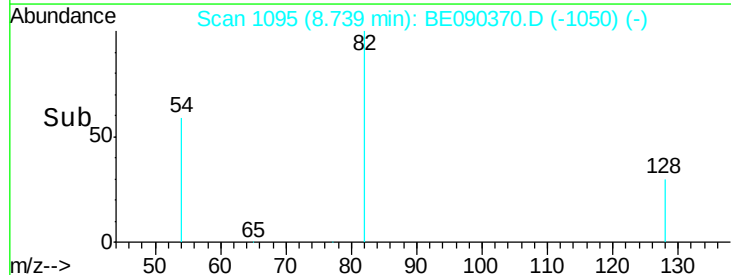
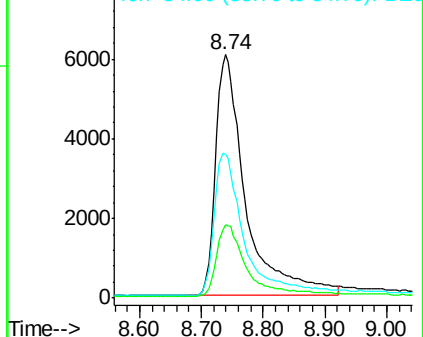
Tgt Ion:	82	Resp:	20623
Ion	Ratio	Lower	Upper
82	100		
128	30.3	25.0	37.6
54	59.3	48.8	73.2

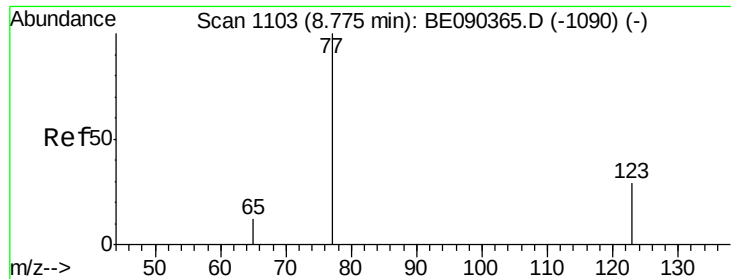


Abundance Ion 82.00 (81.70 to 82.70): BE090370.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090370.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090370.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.79 min Scan# 1107

Delta R.T. 0.02 min

Lab File: BE090370.D

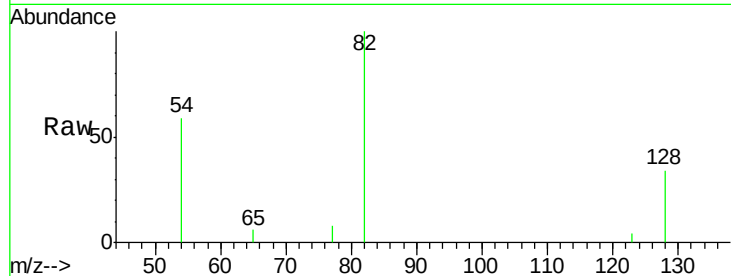
Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B



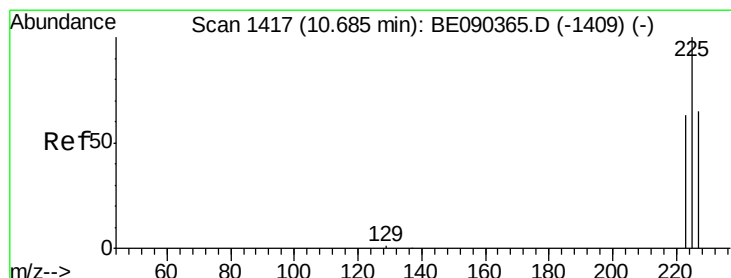
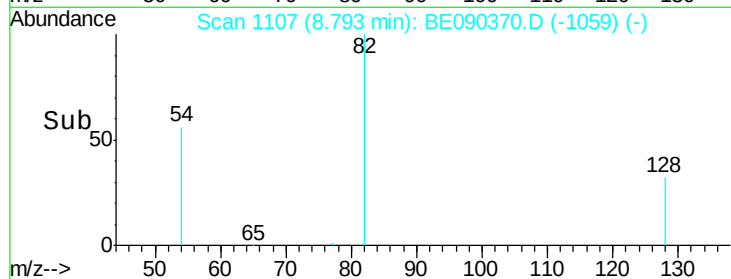
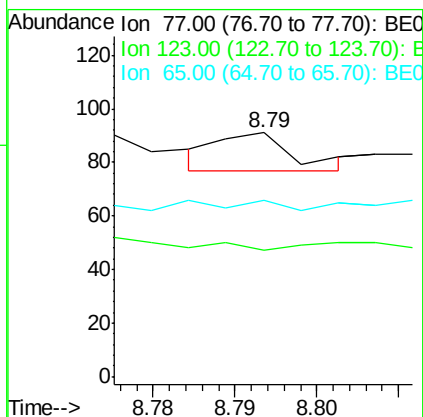
Tgt Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 44.4 9.3 13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

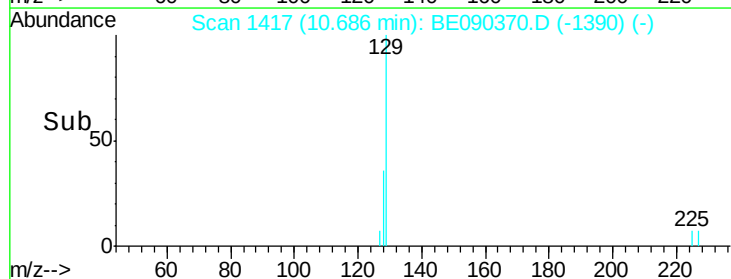
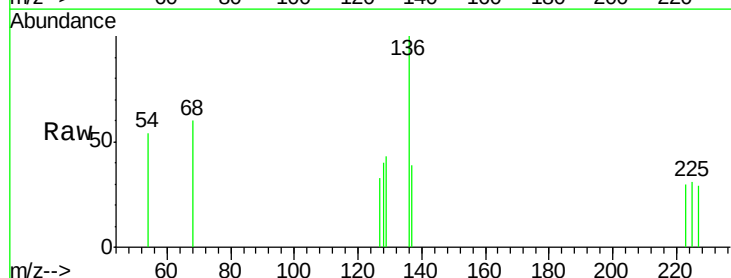
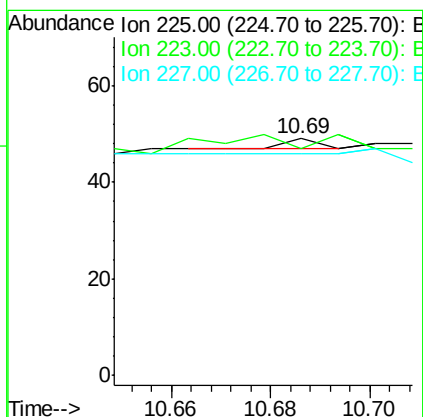
Tgt Ion: 225 Resp: 1

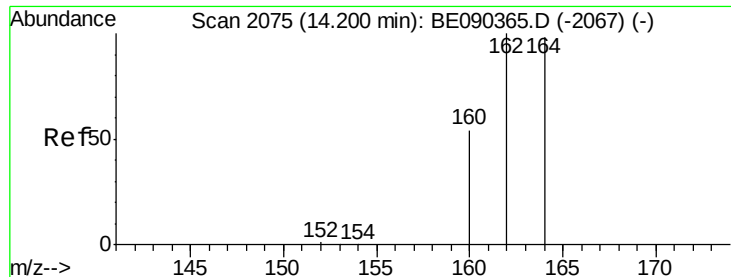
Ion Ratio Lower Upper

225 100

223 500.0 50.6 75.8#

227 0.0 50.7 76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

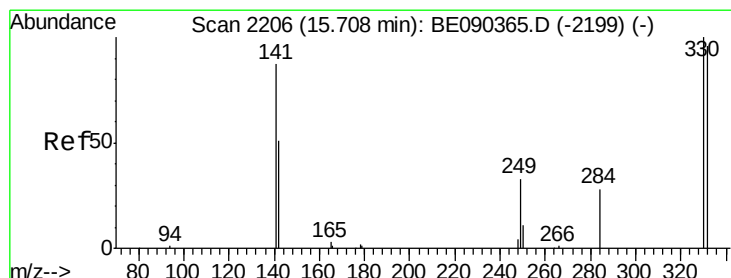
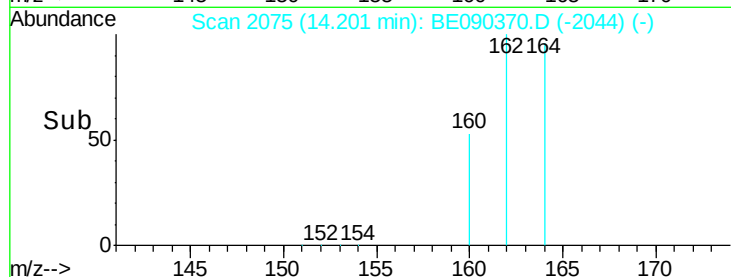
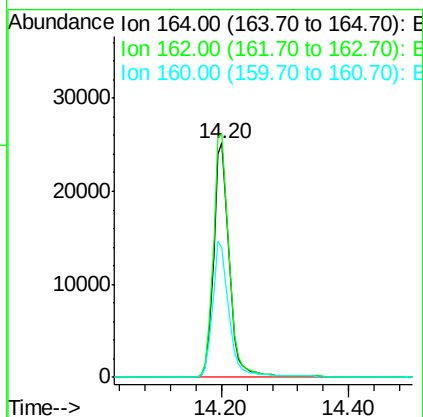
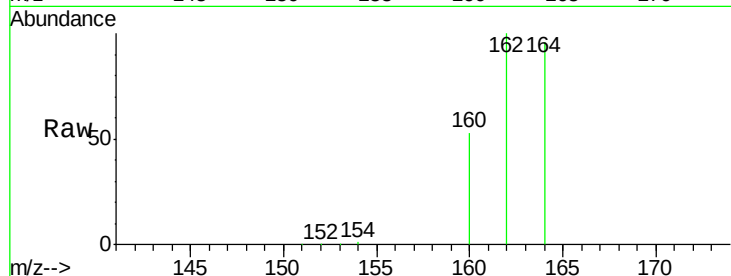
Tgt Ion:164 Resp: 42726

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

160 55.3 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 6.59 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

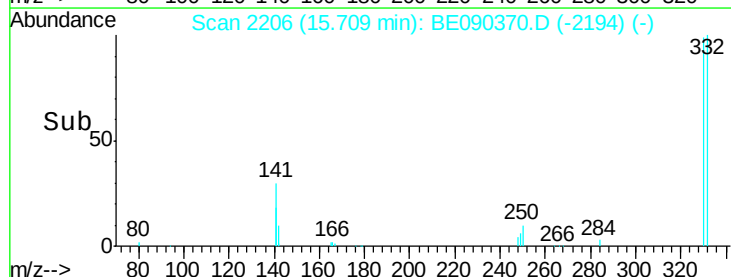
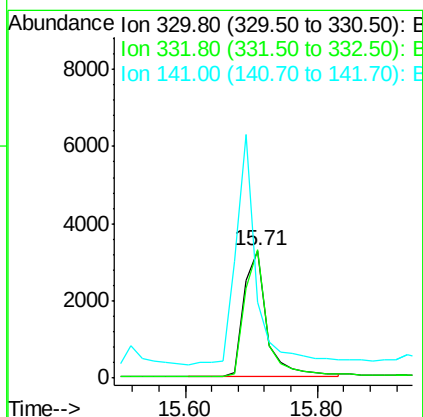
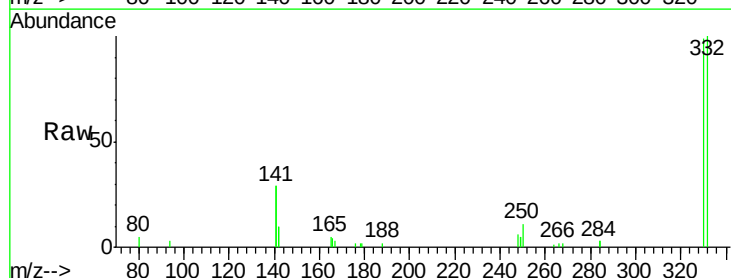
Tgt Ion:330 Resp: 7879

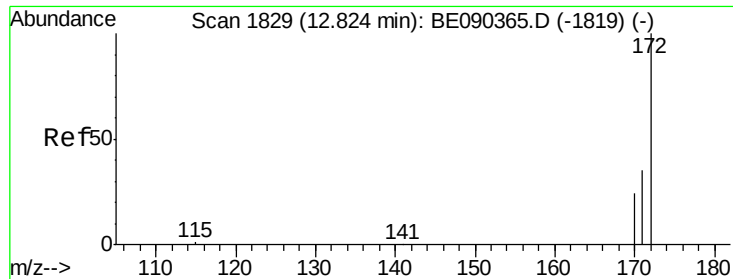
Ion Ratio Lower Upper

330 100

332 97.0 75.8 113.6

141 161.9 114.4 171.6

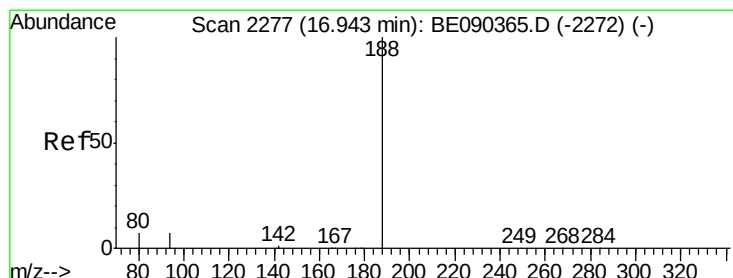
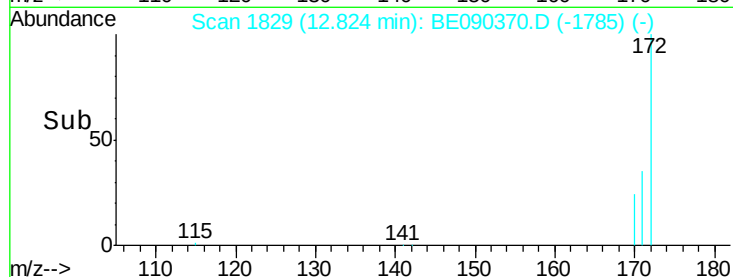
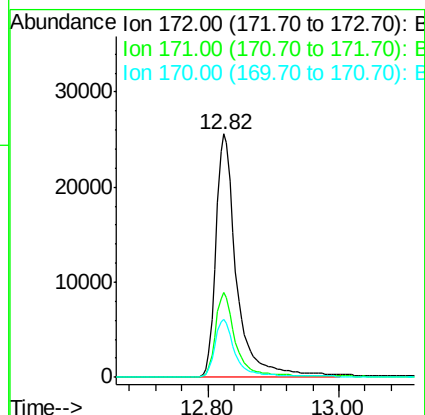
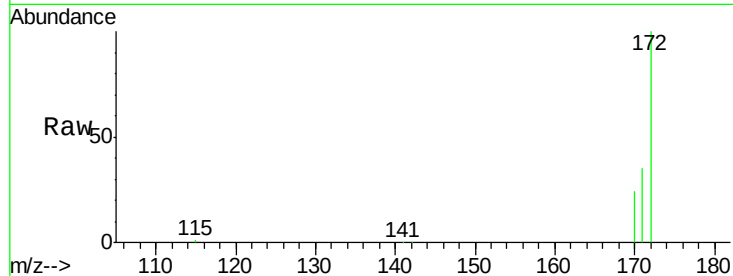




#14
2-Fluorobiphenyl
Concen: 4.77 ng
RT: 12.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE090370.D
Acq: 5 Aug 2015 21:43

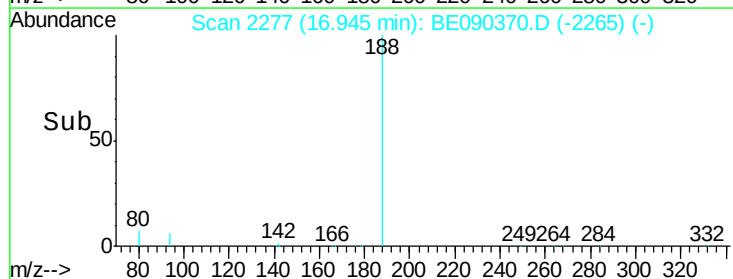
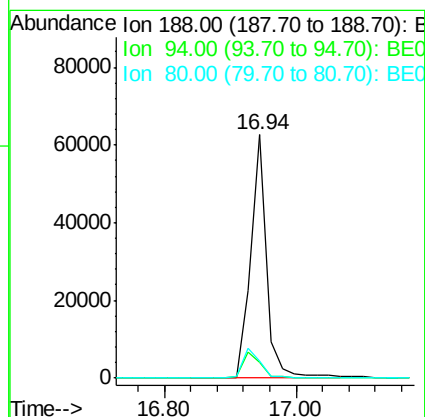
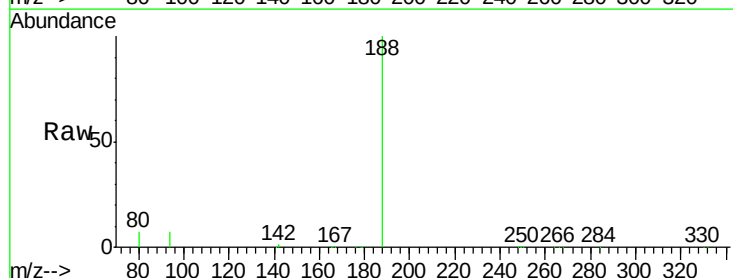
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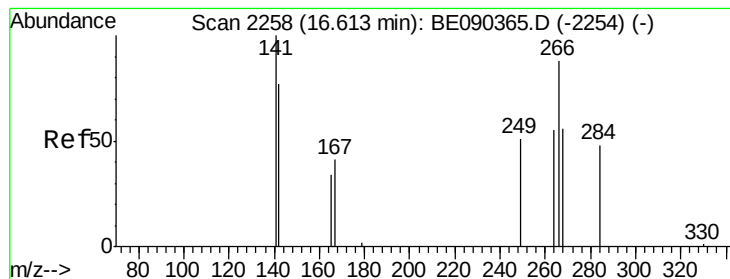
Tgt Ion:172 Resp: 56011
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 24.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090370.D
Acq: 5 Aug 2015 21:43

Tgt Ion:188 Resp: 105048
Ion Ratio Lower Upper
188 100
94 6.6 5.7 8.5
80 6.8 5.8 8.8





#21

Pentachlorophenol

Concen: 0.14 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

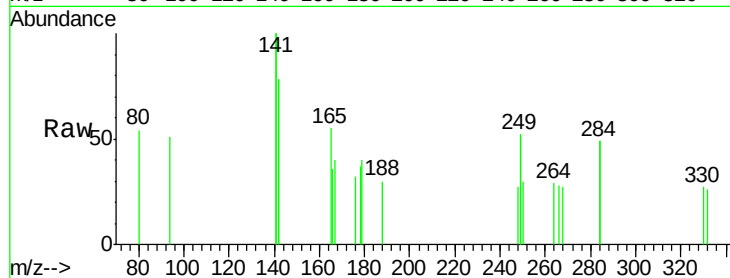
Tgt Ion:266 Resp: 44

Ion Ratio Lower Upper

266 100

268 98.1 58.5 87.7#

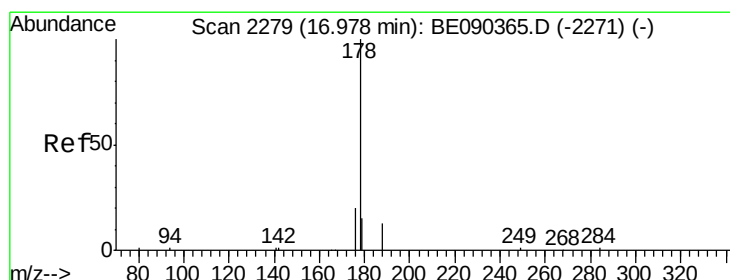
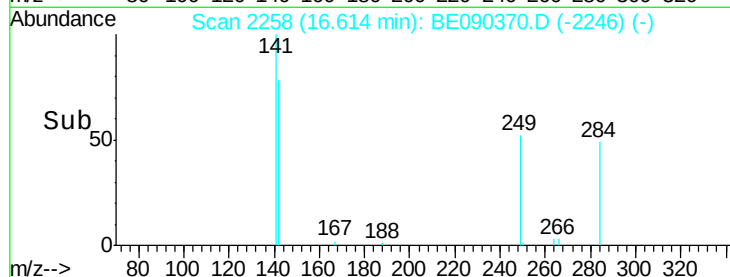
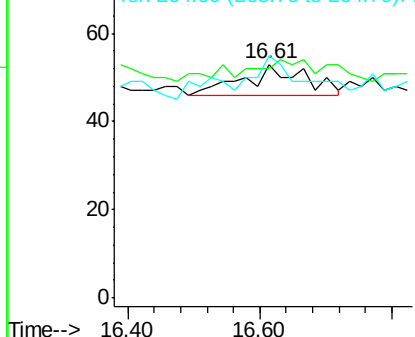
264 103.8 56.0 84.0#



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# 2279

Delta R.T. 0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

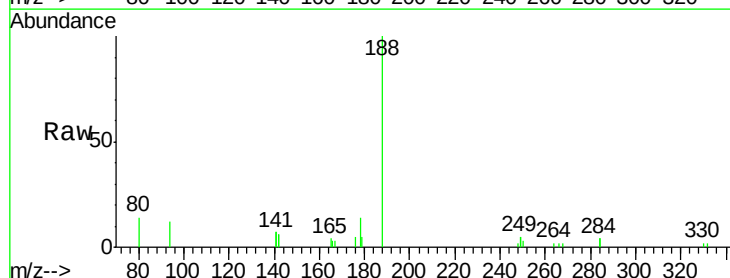
Tgt Ion:178 Resp: 528

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

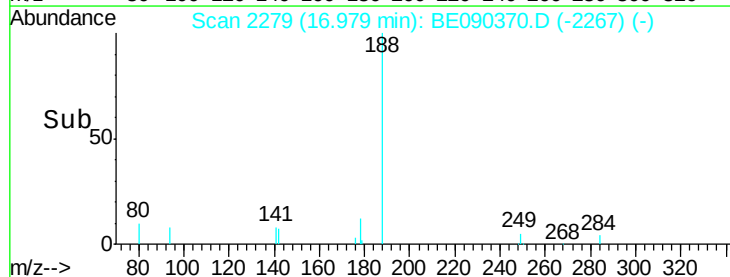
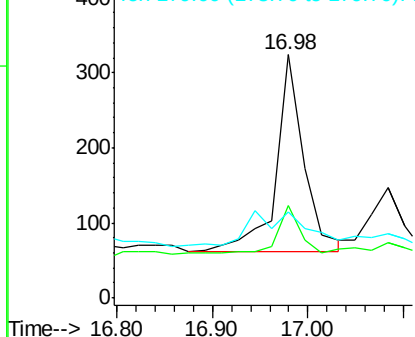
179 0.0 12.5 18.7#

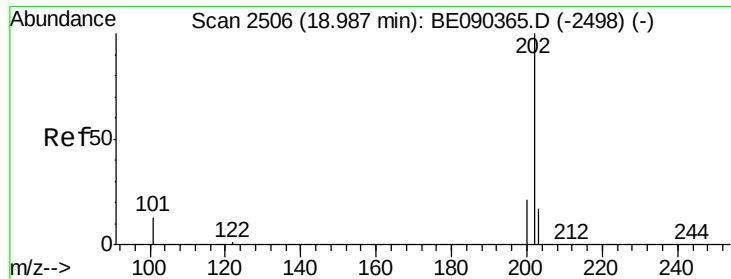


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

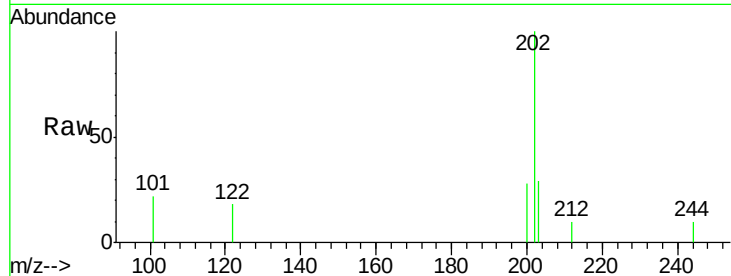




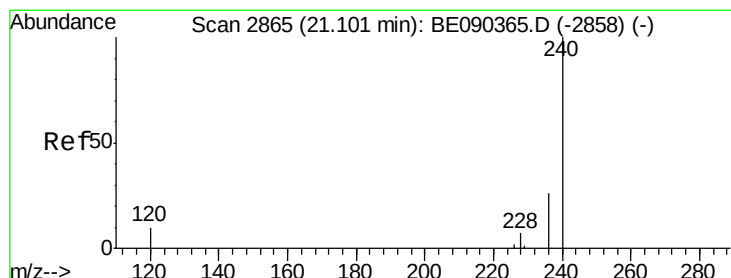
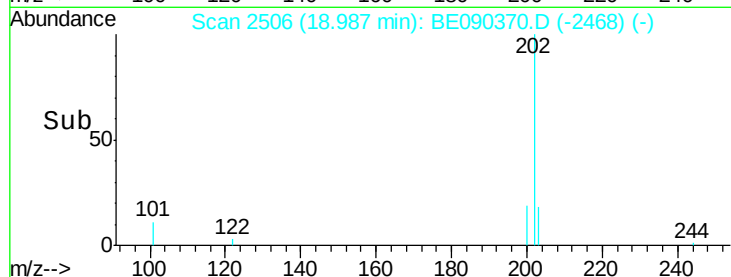
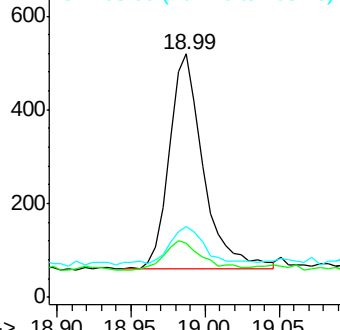
#24
 Fluoranthene
 Concen: 0.03 ng
 RT: 18.99 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-B

Tgt Ion: 202 Resp: 732
 Ion Ratio Lower Upper
 202 100
 101 14.8 10.3 15.5
 203 20.2 13.7 20.5

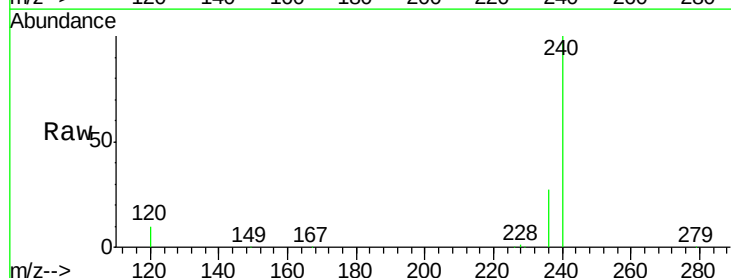


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

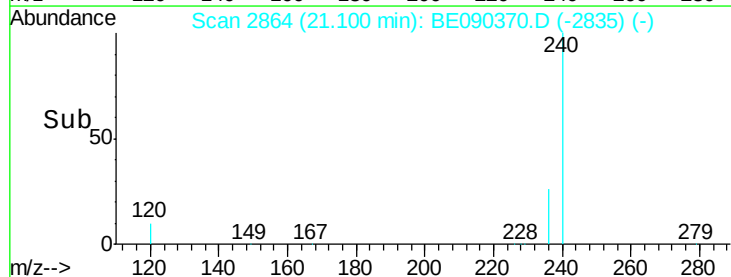
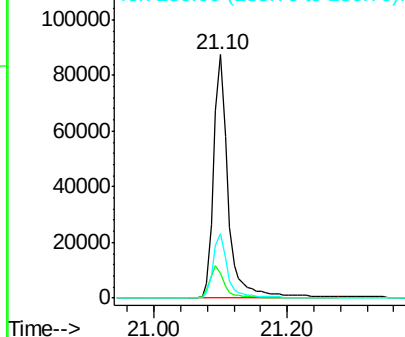


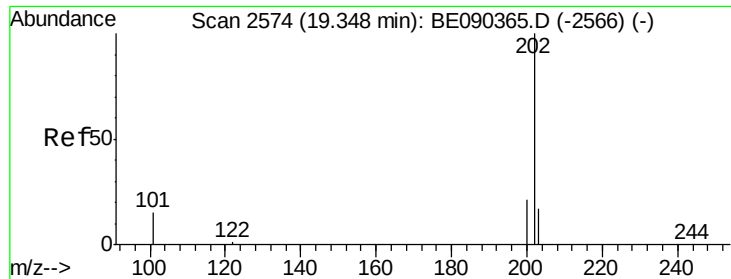
#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.10 min Scan# 2864
 Delta R.T. -0.00 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

Tgt Ion: 240 Resp: 130784
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.3 12.5
 236 26.5 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

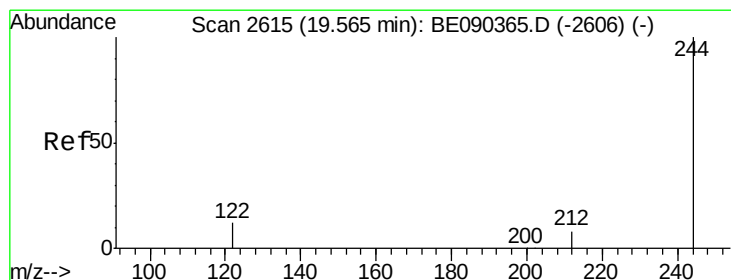
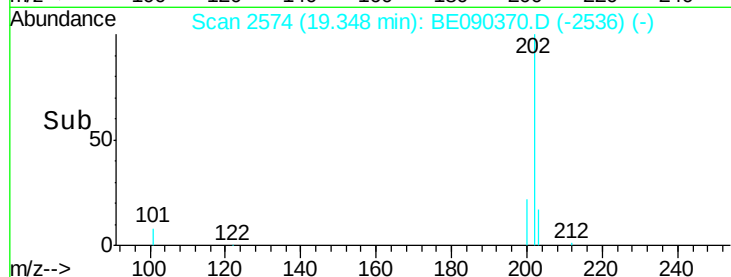
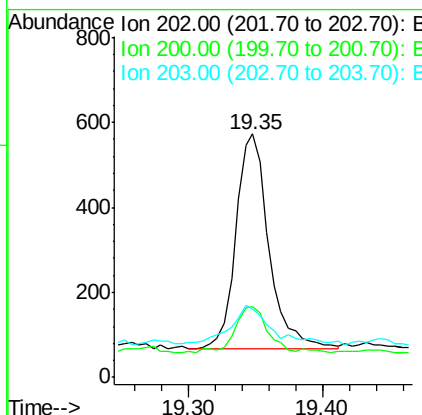
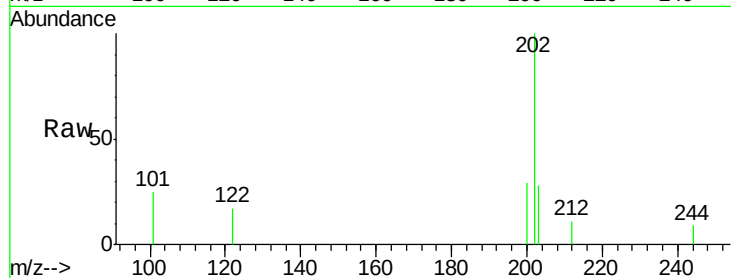




#26
 Pyrene
 Concen: 0.03 ng
 RT: 19.35 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

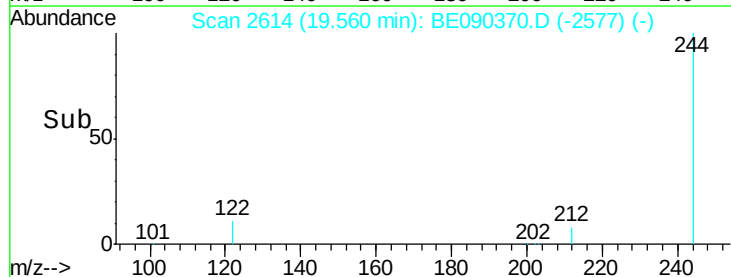
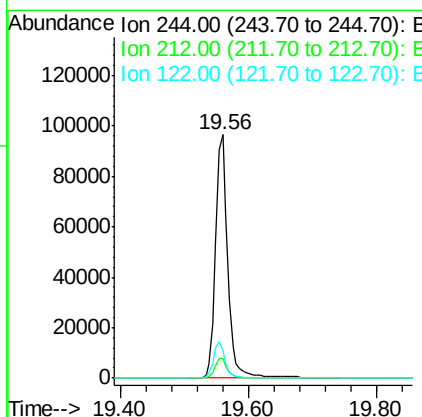
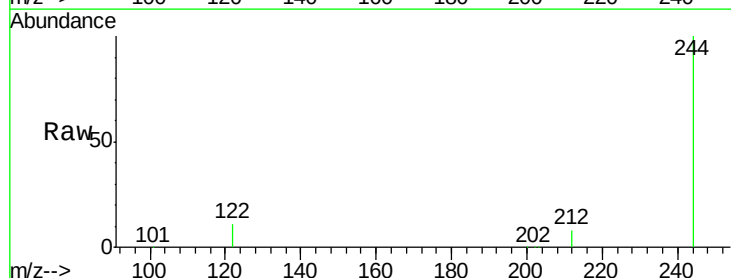
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-B

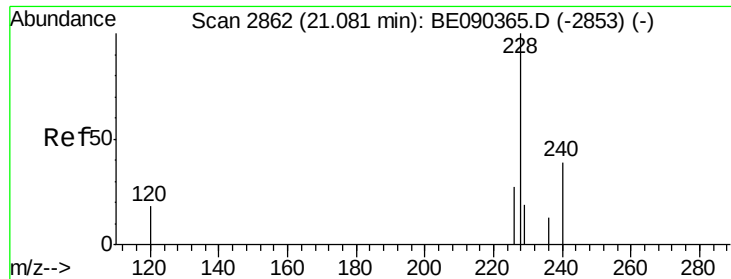
Tgt Ion: 202 Resp: 874
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 22.9 13.8 20.8#



#27
 Terphenyl-d14
 Concen: 6.67 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

Tgt Ion: 244 Resp: 128546
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 11.1 10.2 15.4

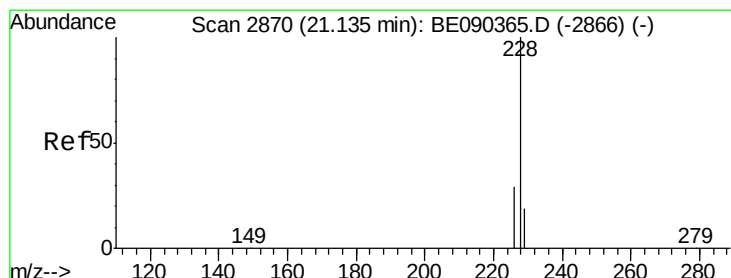
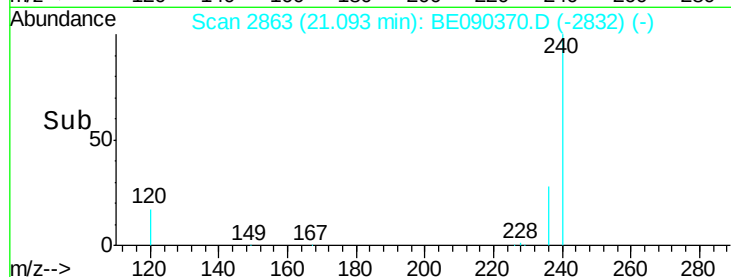
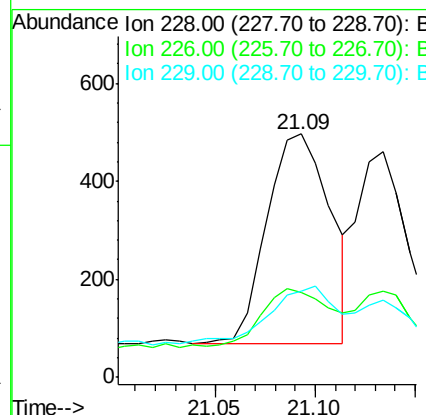
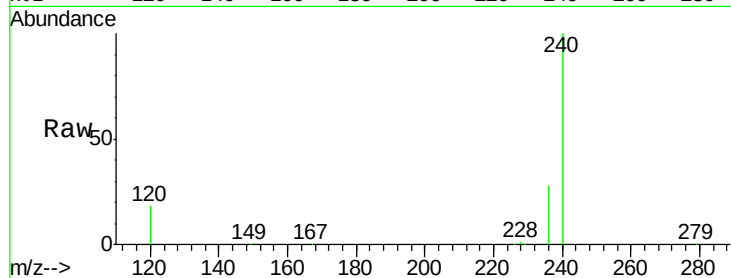




#28
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.09 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE090370.D
Acq: 5 Aug 2015 21:43

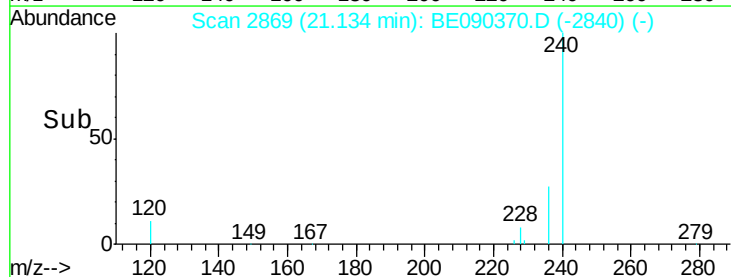
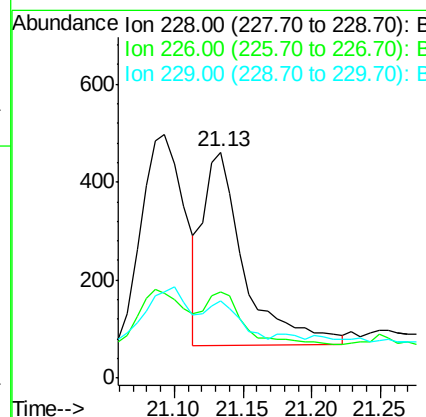
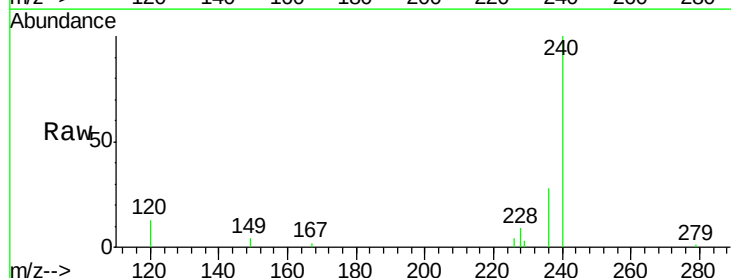
Instrument :
BNA_E
ClientSampleId :
080315-D506-E-D-B

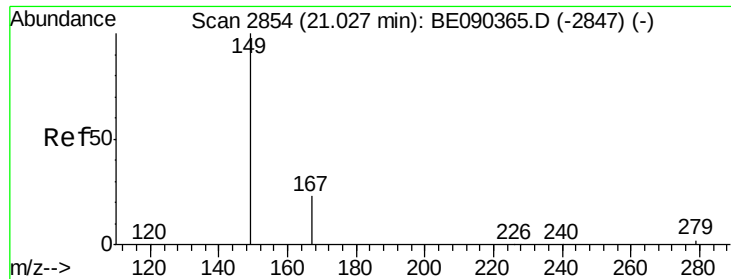
Tgt Ion:228 Resp: 943
Ion Ratio Lower Upper
228 100
226 34.8 21.9 32.9#
229 35.4 15.4 23.0#



#29
Chrysene
Concen: 0.02 ng
RT: 21.13 min Scan# 2869
Delta R.T. -0.00 min
Lab File: BE090370.D
Acq: 5 Aug 2015 21:43

Tgt Ion:228 Resp: 815
Ion Ratio Lower Upper
228 100
226 38.4 23.1 34.7#
229 34.3 15.8 23.8#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

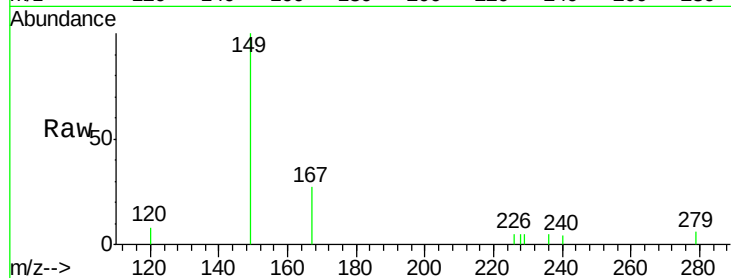
Tgt Ion:149 Resp: 1599

Ion Ratio Lower Upper

149 100

167 23.8 19.8 29.8

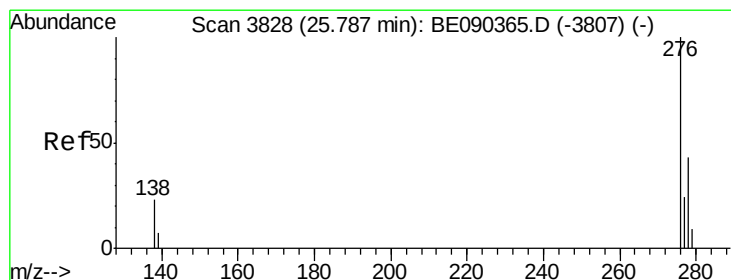
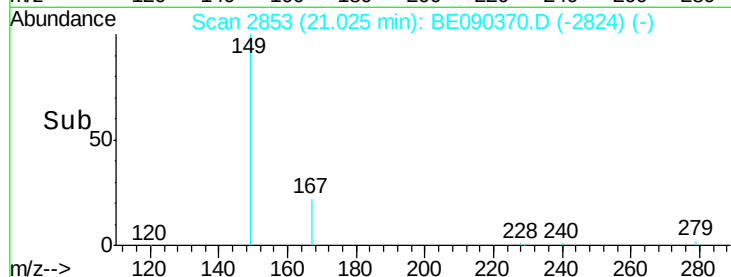
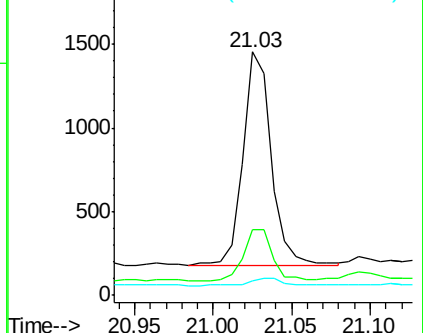
279 5.1 2.4 3.6#



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: 0.30 ng

RT: 25.79 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

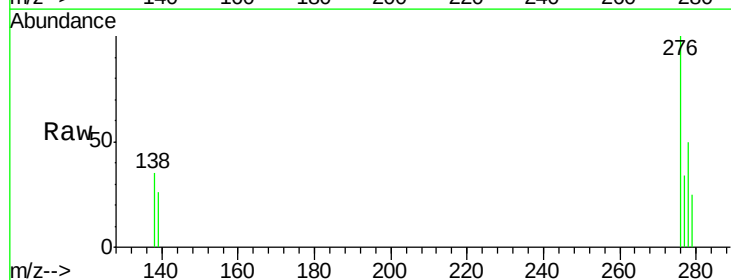
Tgt Ion:276 Resp: 1520

Ion Ratio Lower Upper

276 100

138 7.8 18.8 28.2#

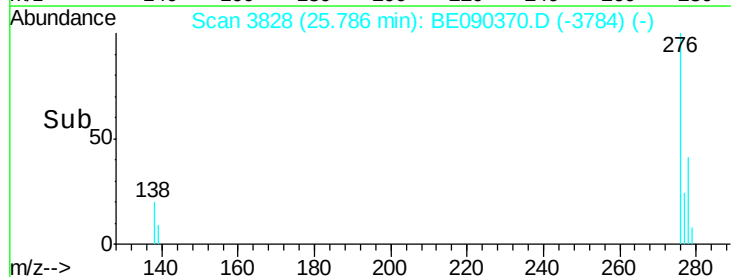
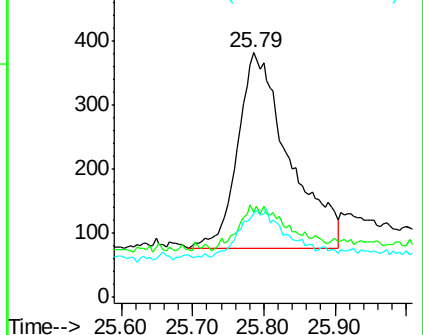
277 0.0 18.2 27.4#

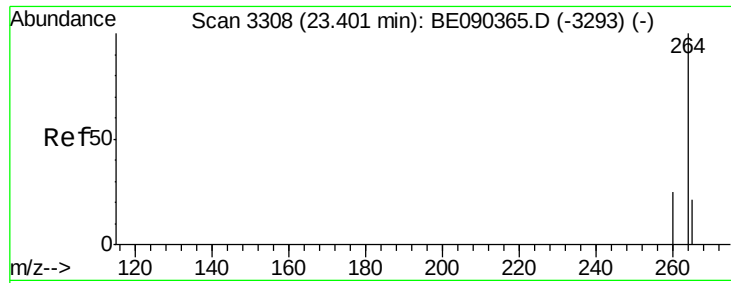


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

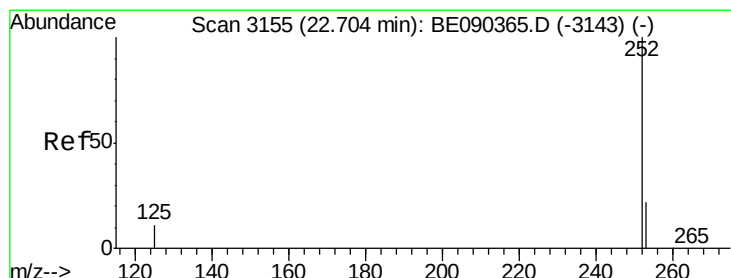
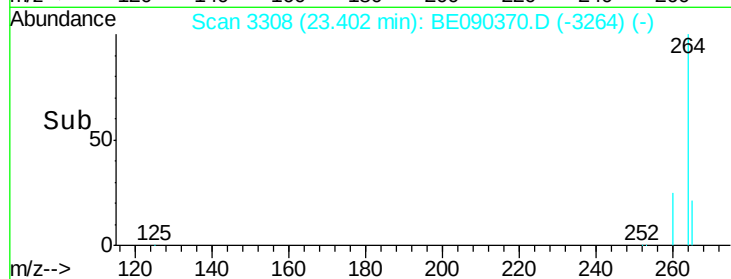
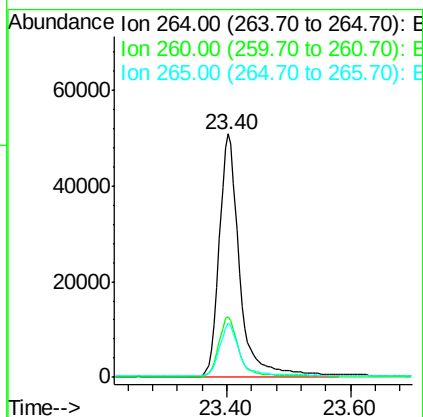
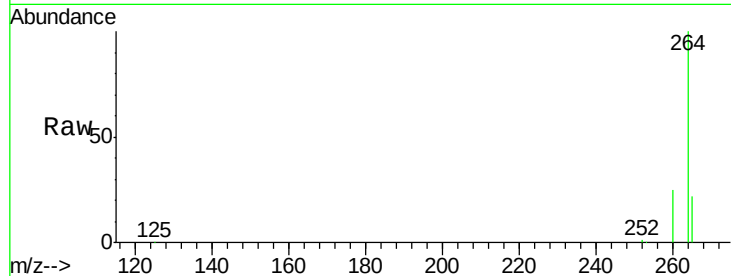




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

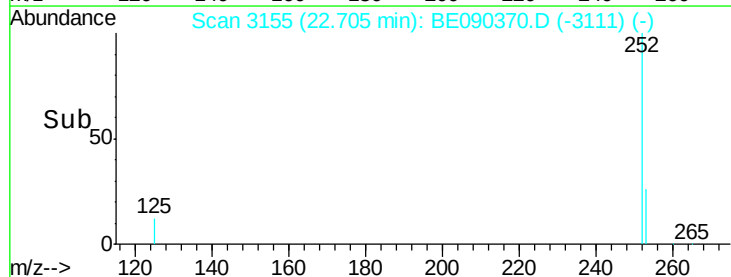
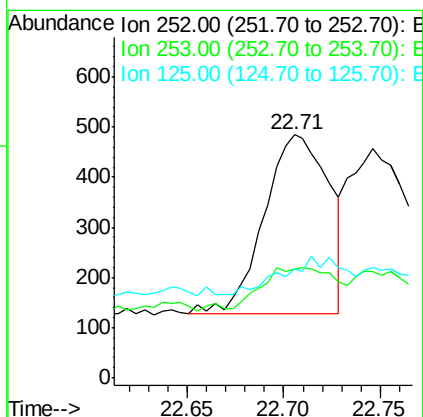
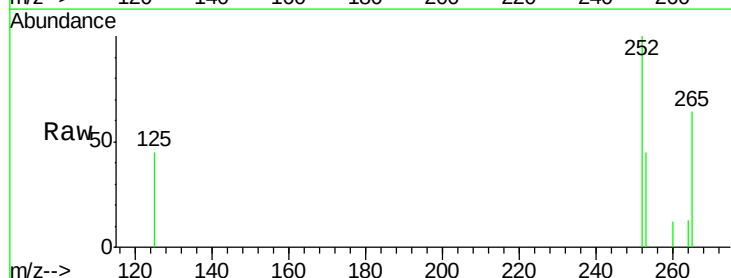
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-B

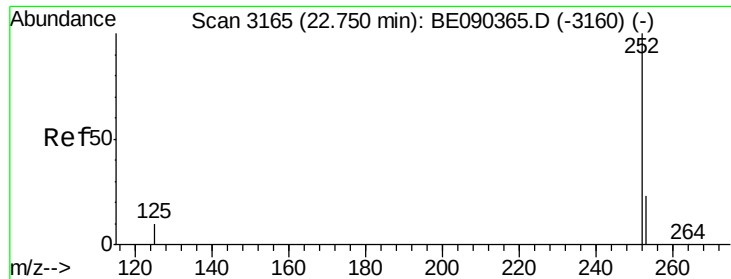
Tgt Ion: 264 Resp: 117888
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 22.0 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.22 ng
 RT: 22.71 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE090370.D
 Acq: 5 Aug 2015 21:43

Tgt Ion: 252 Resp: 839
 Ion Ratio Lower Upper
 252 100
 253 44.5 18.1 27.1#
 125 44.9 9.4 14.2#





#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.71 min Scan# 3155

Delta R.T. -0.04 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

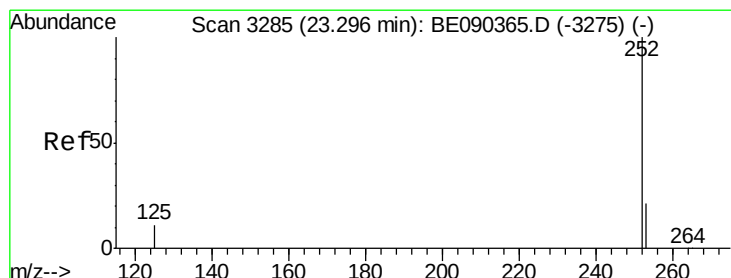
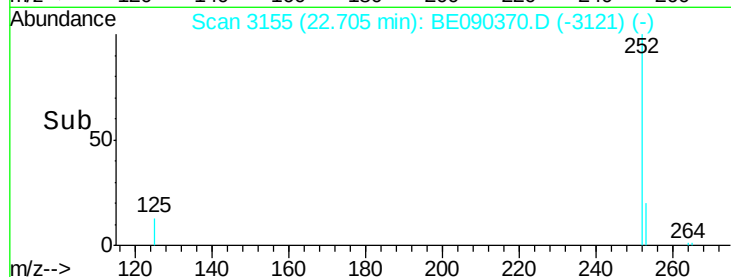
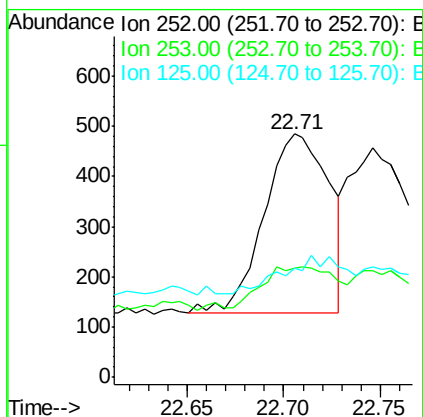
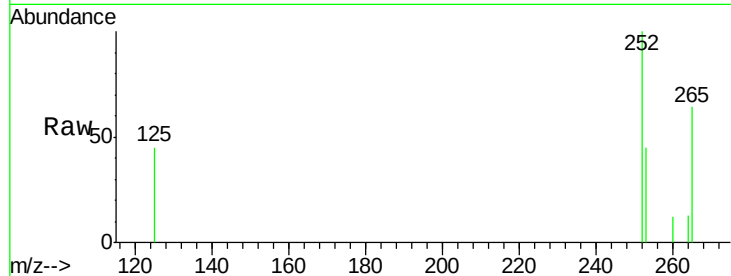
Tgt Ion:252 Resp: 839

Ion Ratio Lower Upper

252 100

253 44.5 18.1 27.1#

125 44.9 9.1 13.7#



#35

Benzo(a)pyrene

Concen: 0.26 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

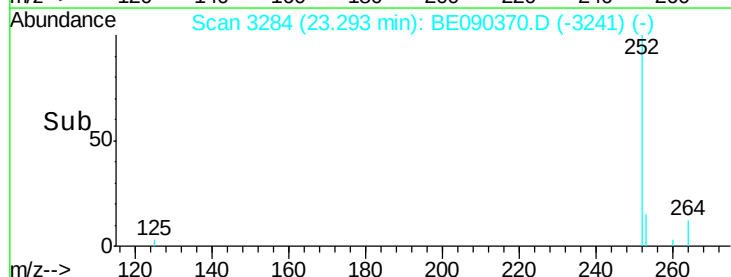
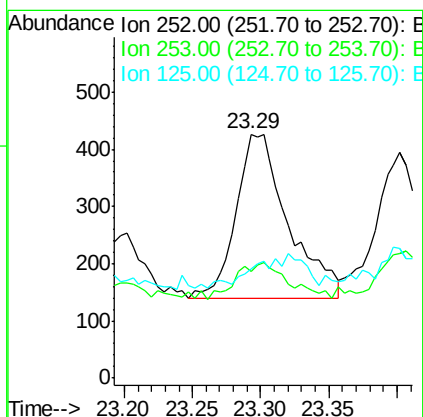
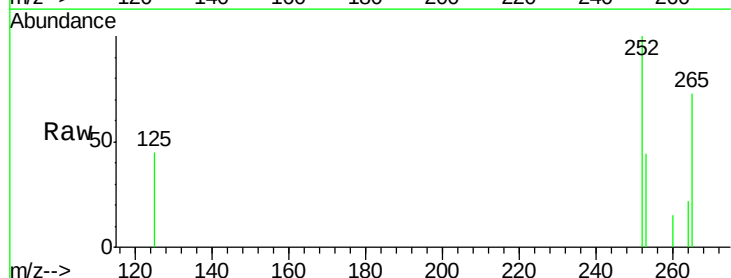
Tgt Ion:252 Resp: 767

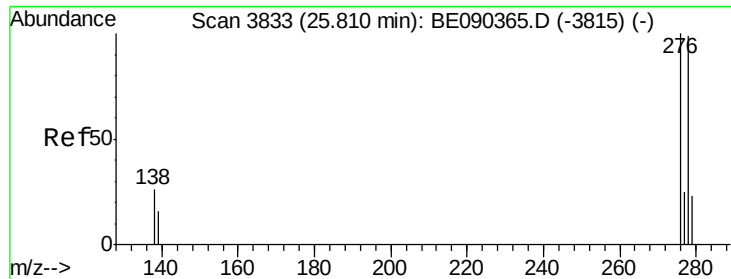
Ion Ratio Lower Upper

252 100

253 43.9 17.6 26.4#

125 44.8 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.32 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-B

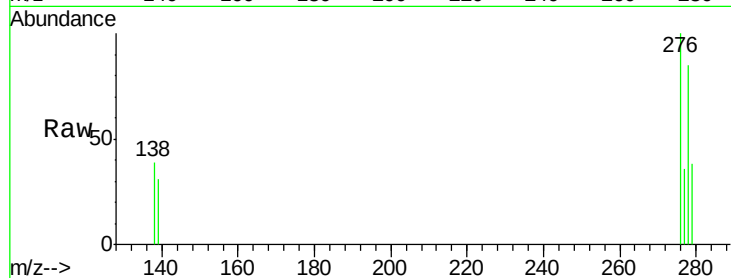
Tgt Ion: 278 Resp: 1008

Ion Ratio Lower Upper

278 100

139 36.6 14.2 21.4#

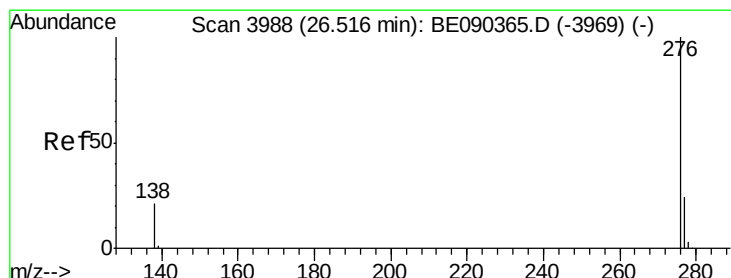
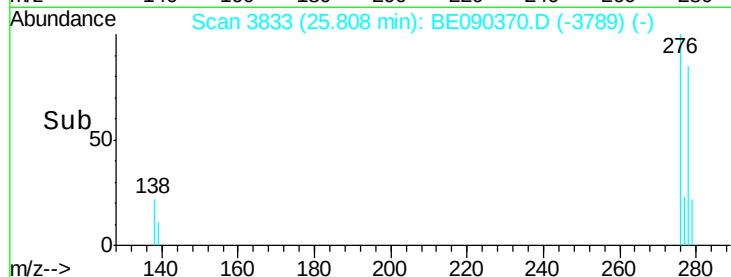
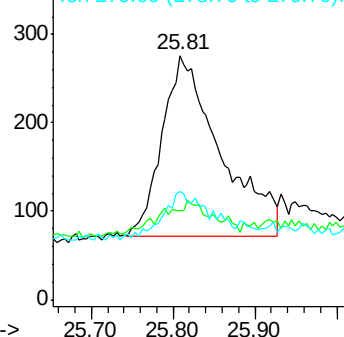
279 44.6 20.1 30.1#



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(g,h,i)perylene

Concen: 0.06 ng

RT: 26.51 min Scan# 3988

Delta R.T. -0.00 min

Lab File: BE090370.D

Acq: 5 Aug 2015 21:43

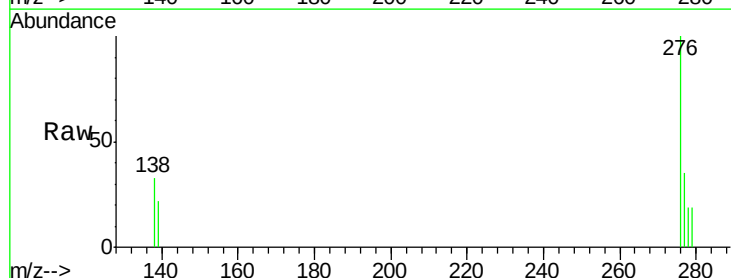
Tgt Ion: 276 Resp: 1293

Ion Ratio Lower Upper

276 100

277 34.8 20.1 30.1#

138 33.2 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

