

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
 Data File : BE090047.D
 Acq On : 1 Jul 2015 18:58
 Operator : TP/IZ
 Sample : G2824-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

Quant Time: Jul 02 05:15:57 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	15581	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	69306	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	39582	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	89770	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	106715	5.00	ng	-0.01
32) Perylene-d12	23.44	264	99980	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	5726	1.60	ng	0.00
5) Phenol-d6	6.80	99	8430	1.68	ng	0.00
7) Nitrobenzene-d5	8.76	82	4995	0.91	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	1486	1.28	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	11635	0.98	ng	0.00
27) Terphenyl-d14	19.58	244	17726	1.00	ng	-0.01

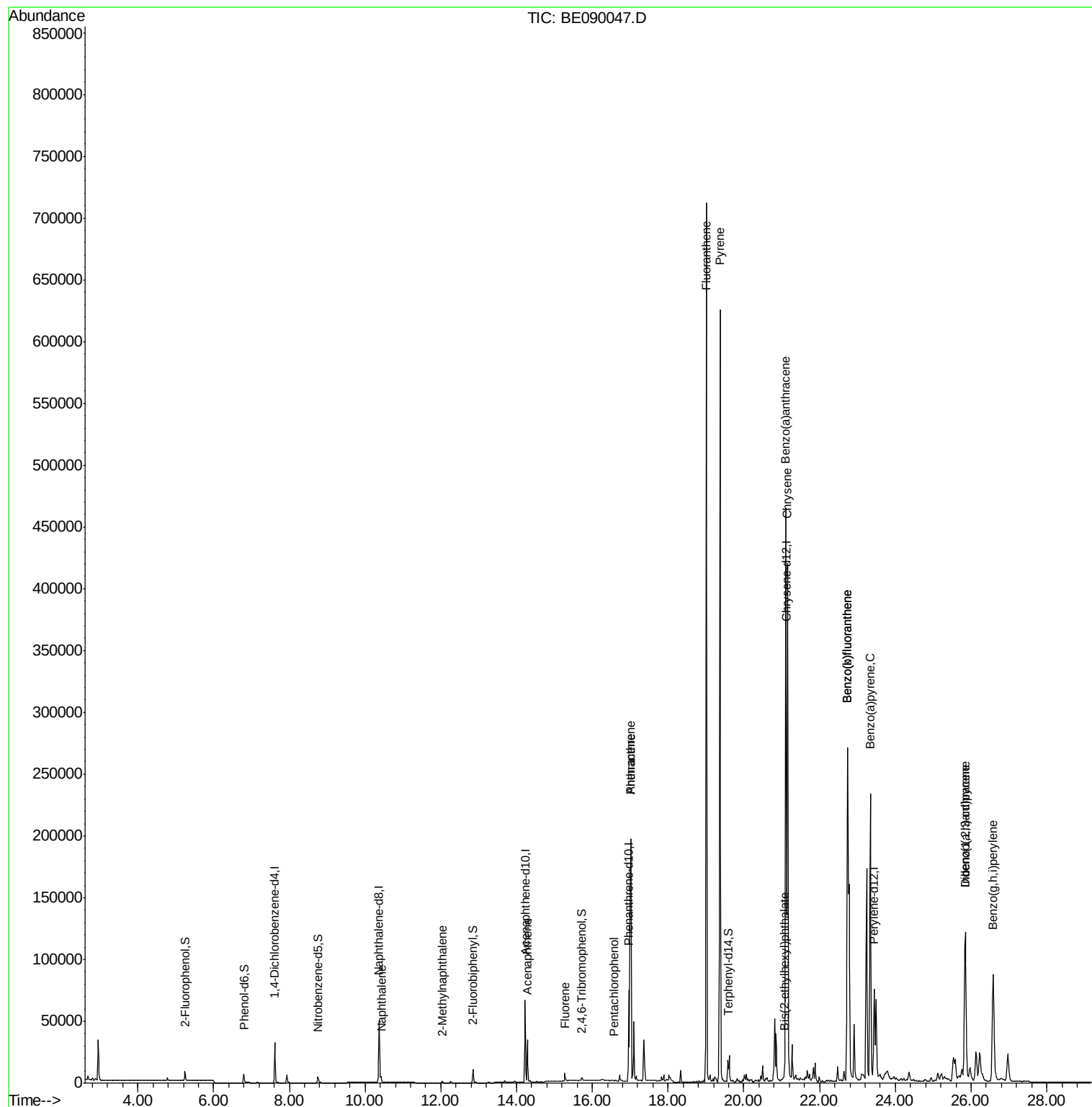
Target Compounds				Qvalue		
9) Naphthalene	10.42	128	6106	0.39	ng	97
11) 2-Methylnaphthalene	12.04	142	1380	0.13	ng	94
16) Acenaphthene	14.28	154	6246	0.61	ng	96
17) Fluorene	15.27	166	4551	0.33	ng	# 97
21) Pentachlorophenol	16.56	266	5	0.26	ng	# 56
22) Phenanthrene	17.01	178	268417	11.67	ng	100
23) Anthracene	17.01	178	268417	12.76	ng	98
24) Fluoranthene	19.01	202	631672	24.59	ng	99
26) Pyrene	19.37	202	582569	22.90	ng	96
28) Benzo(a)anthracene	21.11	228	389090	14.60	ng	99
29) Chrysene	21.16	228	405485	14.65	ng	97
30) Bis(2-ethylhexyl)phthalate	21.05	149	605	0.35	ng	# 94
31) Indeno(1,2,3-cd)pyrene	25.85	276	197347	7.44	ng	97
33) Benzo(b)fluoranthene	22.74	252	492704	22.34	ng	98
34) Benzo(k)fluoranthene	22.74	252	492704	20.00	ng	98
35) Benzo(a)pyrene	23.34	252	336465	16.52	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	50999	2.44	ng	98
37) Benzo(g,h,i)perylene	26.58	276	195032	9.20	ng	98

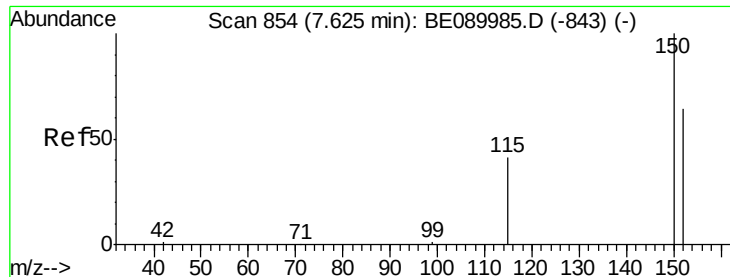
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

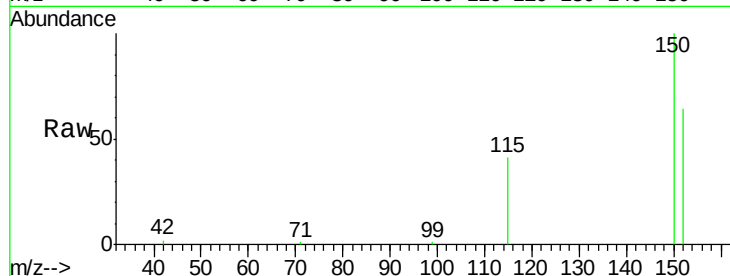
Tgt Ion:152 Resp: 15581

Ion Ratio Lower Upper

152 100

150 156.2 123.9 185.9

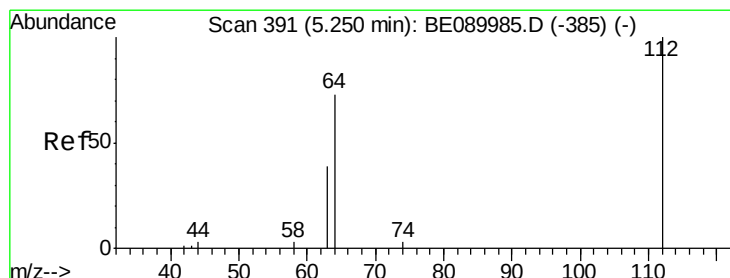
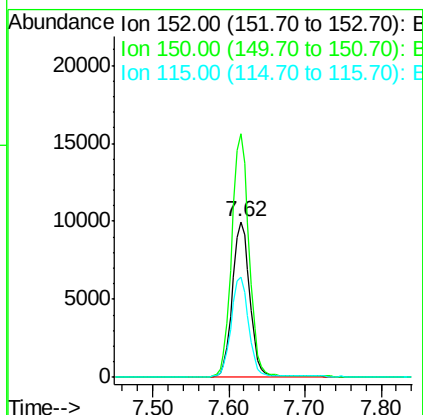
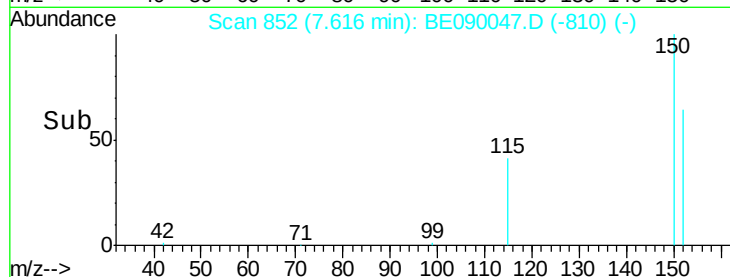
115 64.2 50.6 76.0



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



#4

2-Fluorophenol

Concen: 1.60 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

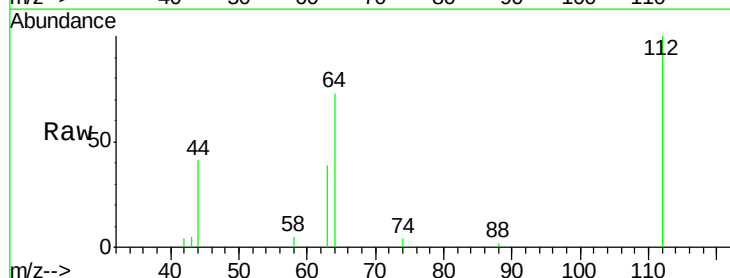
Tgt Ion:112 Resp: 5726

Ion Ratio Lower Upper

112 100

64 70.3 56.3 84.5

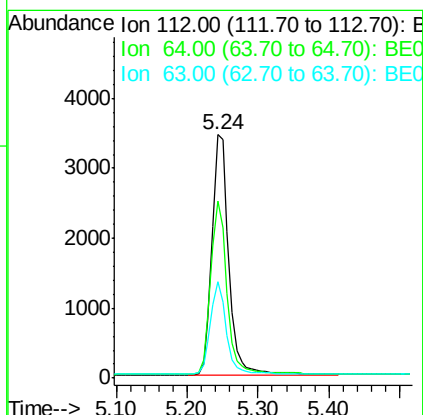
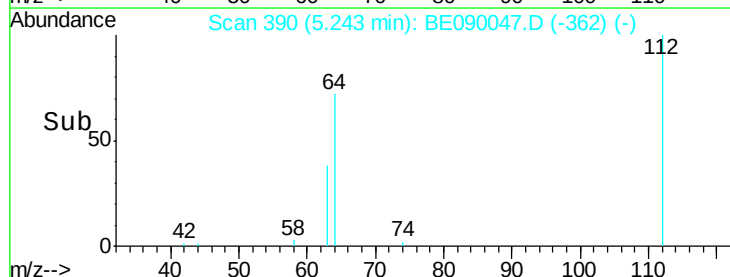
63 36.3 29.8 44.6

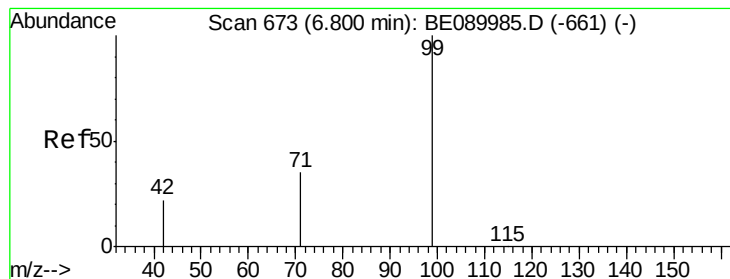


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.68 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

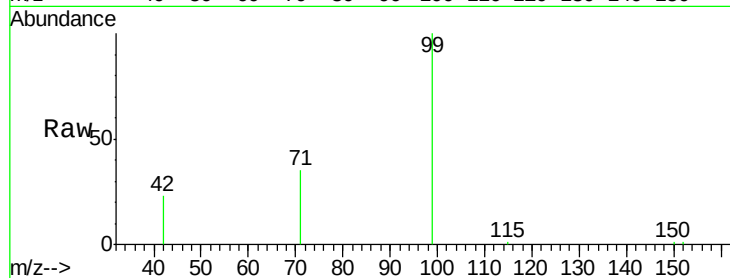
Tgt Ion: 99 Resp: 8430

Ion Ratio Lower Upper

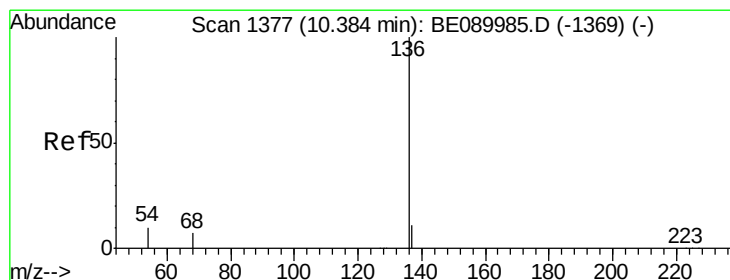
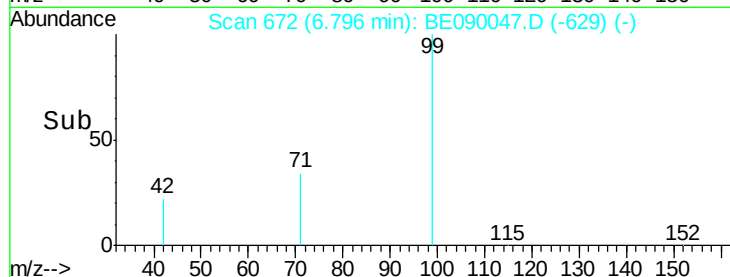
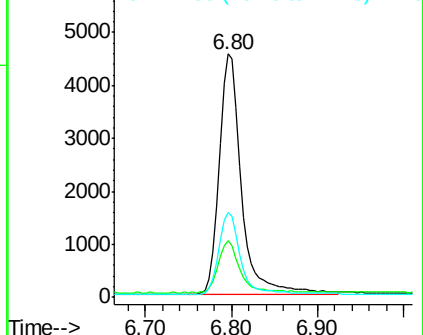
99 100

42 20.9 18.7 28.1

71 33.7 27.5 41.3



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: 10.37 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion: 136 Resp: 69306

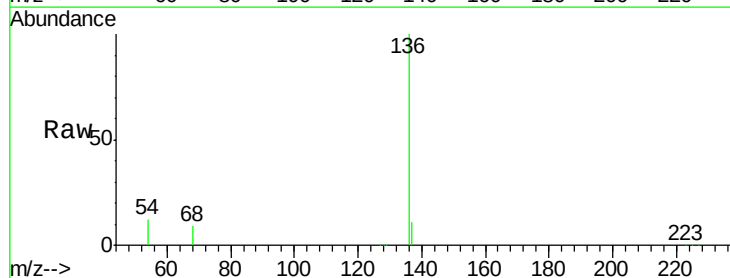
Ion Ratio Lower Upper

136 100

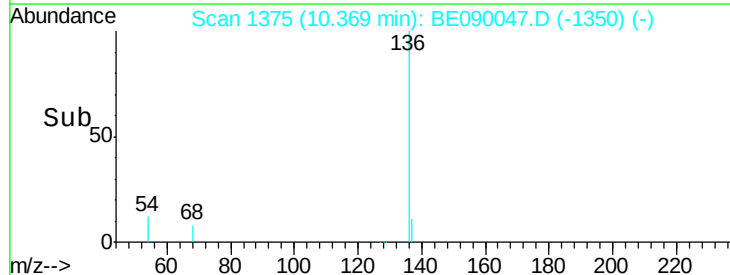
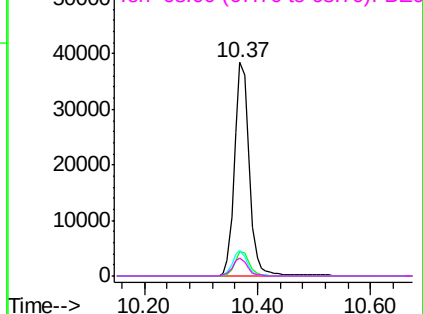
137 11.1 8.9 13.3

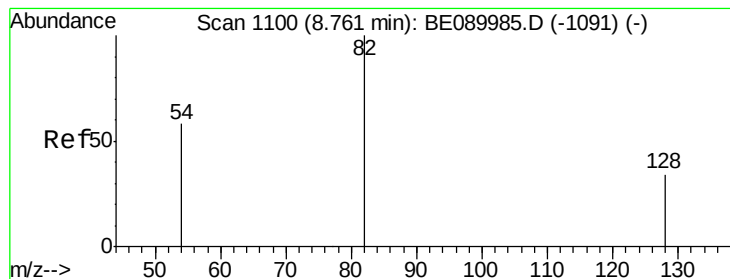
54 12.0 8.2 12.4

68 8.6 5.8 8.8



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: 0.91 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

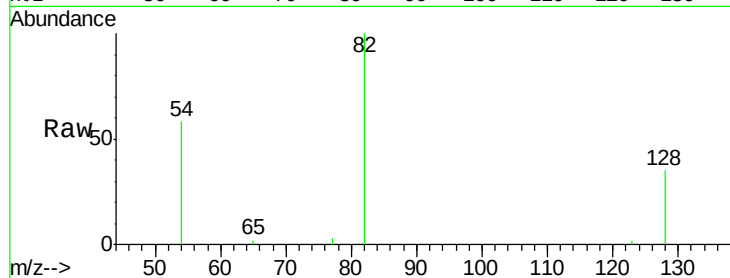
Tgt Ion: 82 Resp: 4995

Ion Ratio Lower Upper

82 100

128 35.0 28.0 42.0

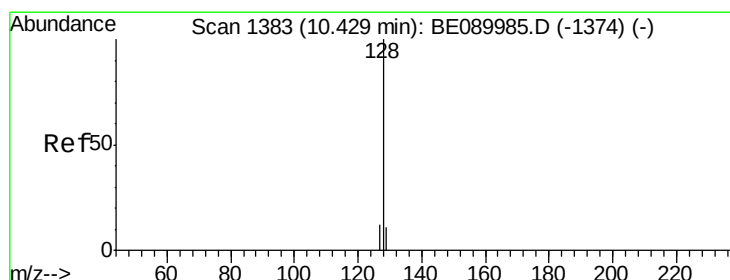
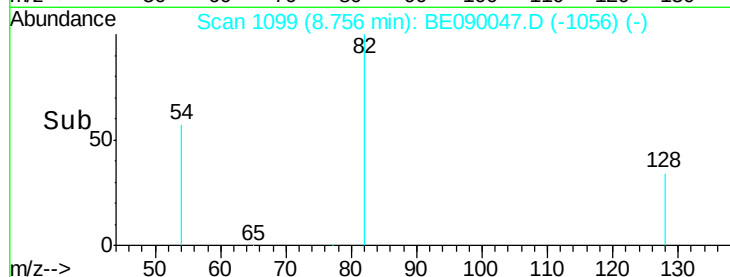
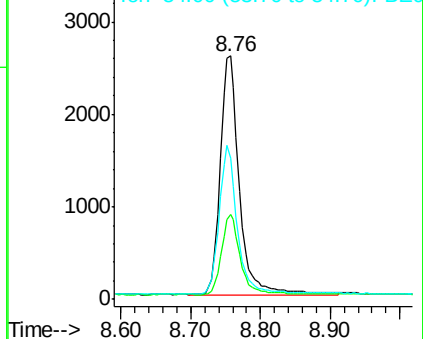
54 58.0 47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.39 ng

RT: 10.42 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

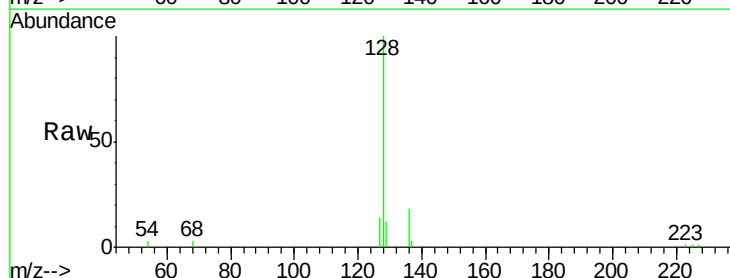
Tgt Ion: 128 Resp: 6106

Ion Ratio Lower Upper

128 100

129 12.2 9.3 13.9

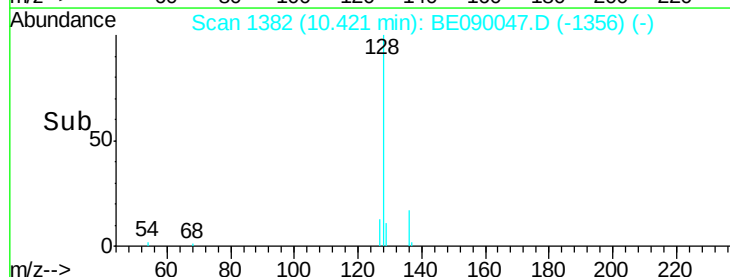
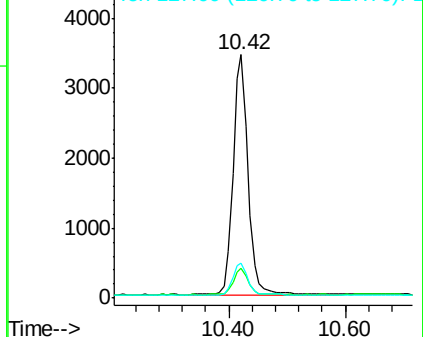
127 14.2 10.2 15.4

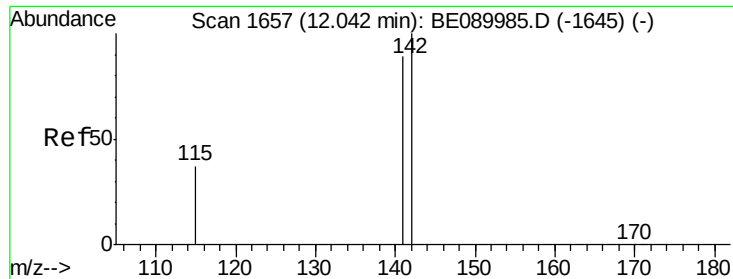


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

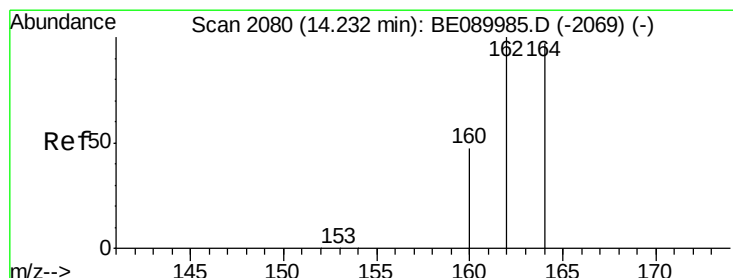
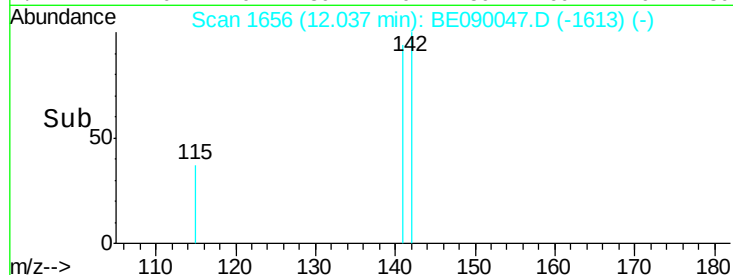
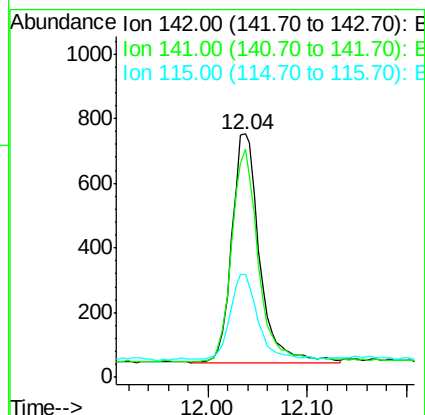
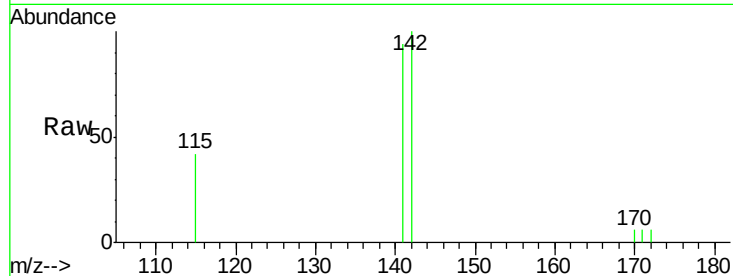




#11
2-Methylnaphthalene
Concen: 0.13 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

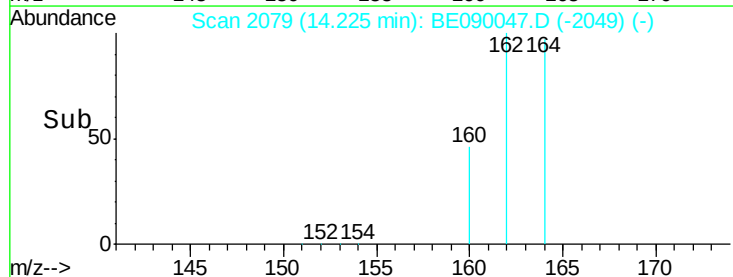
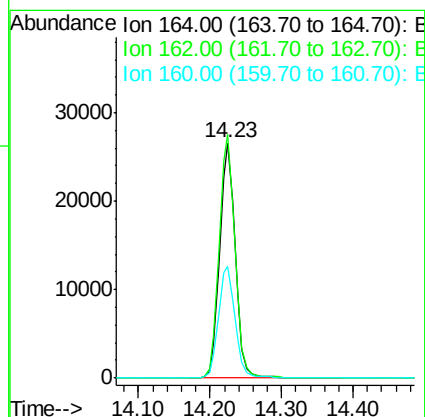
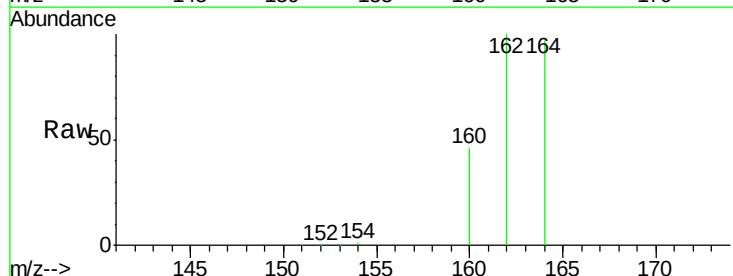
Instrument :
BNA_E
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X1SS0650006-150626

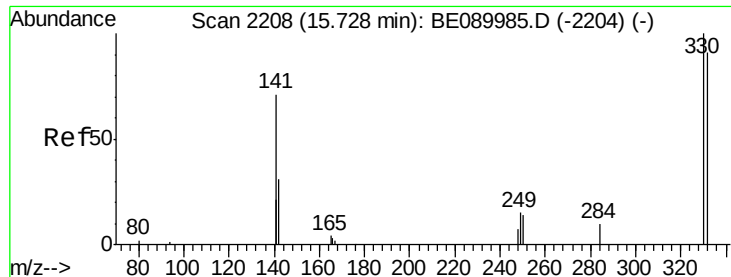
Tgt Ion:142 Resp: 1380
Ion Ratio Lower Upper
142 100
141 93.9 71.3 106.9
115 42.1 30.4 45.6



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion:164 Resp: 39582
Ion Ratio Lower Upper
164 100
162 103.5 82.2 123.4
160 47.4 39.0 58.6

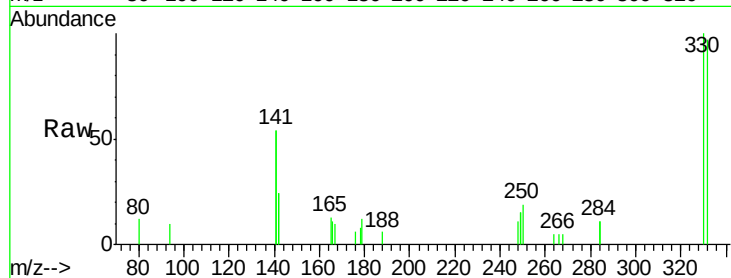




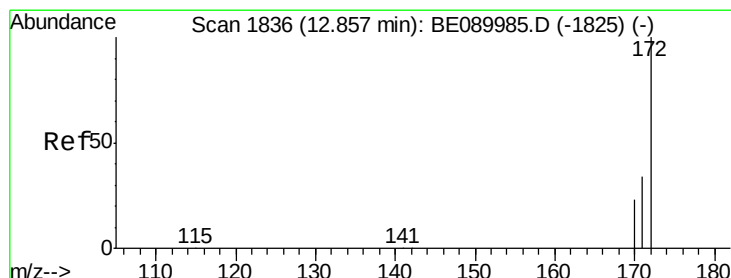
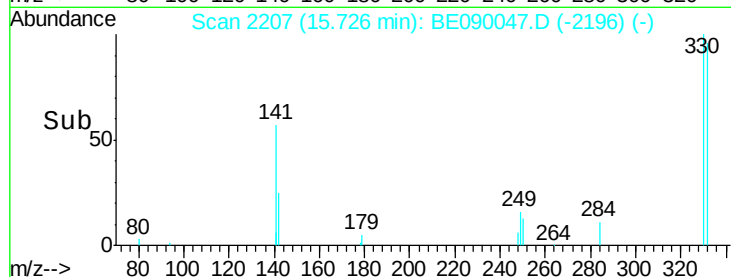
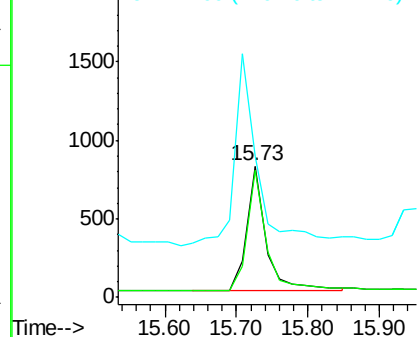
#13
 2,4,6-Tribromophenol
 Concen: 1.28 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

Tgt Ion: 330 Resp: 1486
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.4 114.6
 141 183.4 130.3 195.5

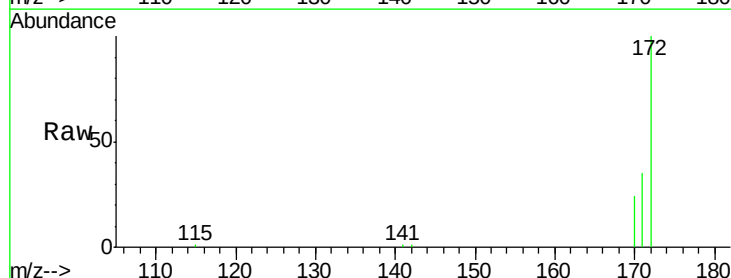


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

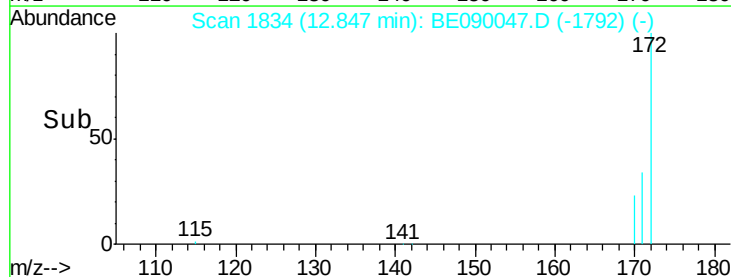
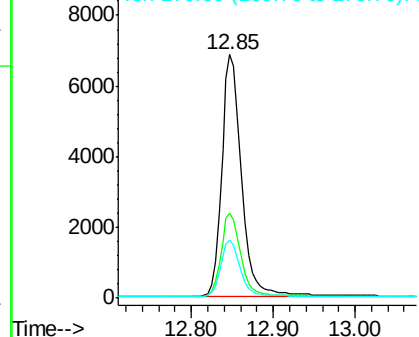


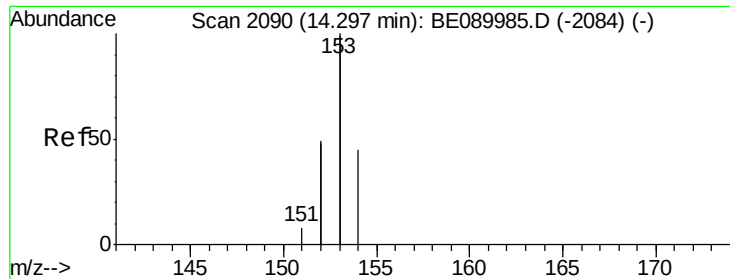
#14
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion: 172 Resp: 11635
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.8 41.6
 170 23.6 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthene

Concen: 0.61 ng

RT: 14.28 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

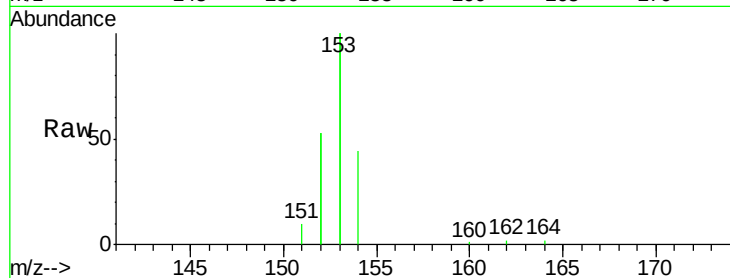
Tgt Ion:154 Resp: 6246

Ion Ratio Lower Upper

154 100

153 461.6 358.6 538.0

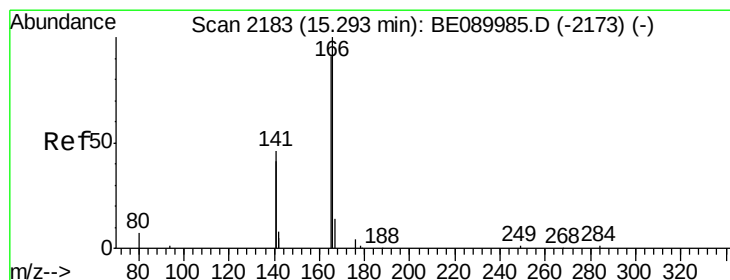
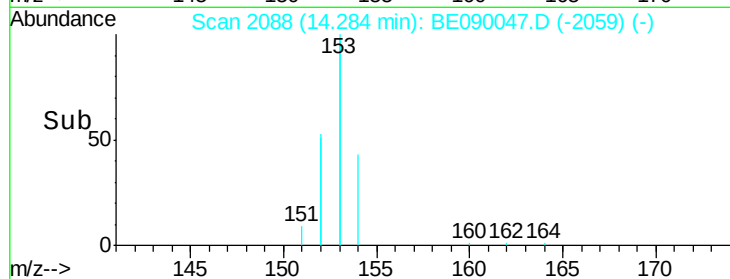
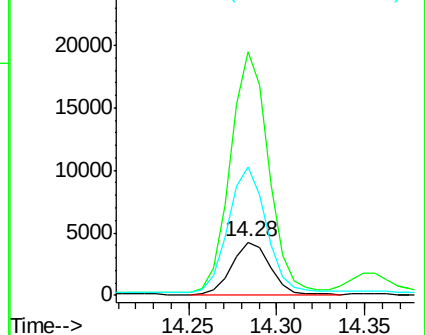
152 242.2 189.6 284.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#17

Fluorene

Concen: 0.33 ng

RT: 15.27 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

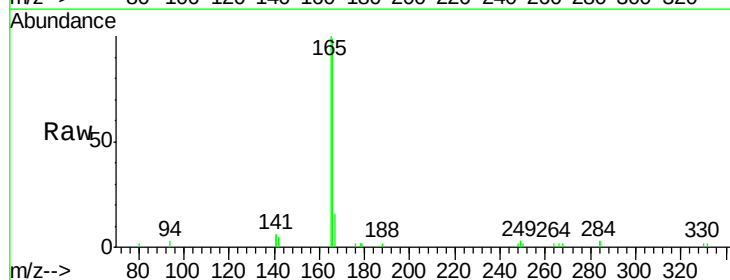
Tgt Ion:166 Resp: 4551

Ion Ratio Lower Upper

166 100

165 101.2 79.0 118.6

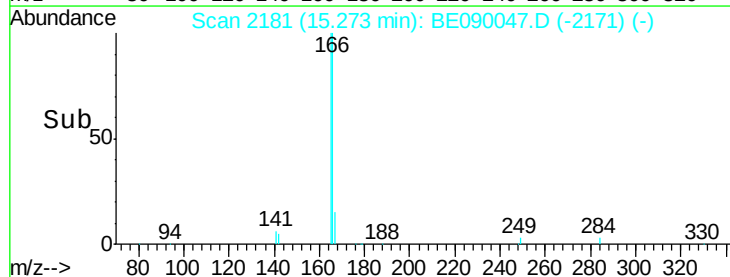
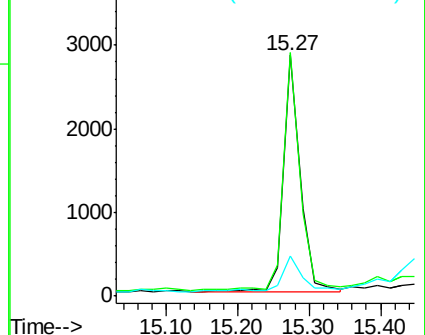
167 19.3 11.8 17.8#

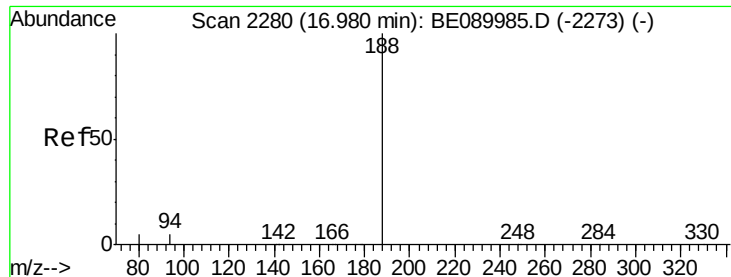


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

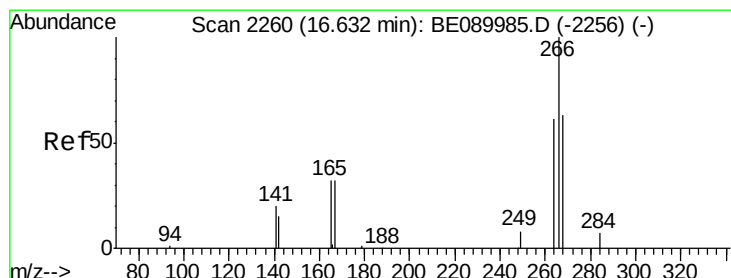
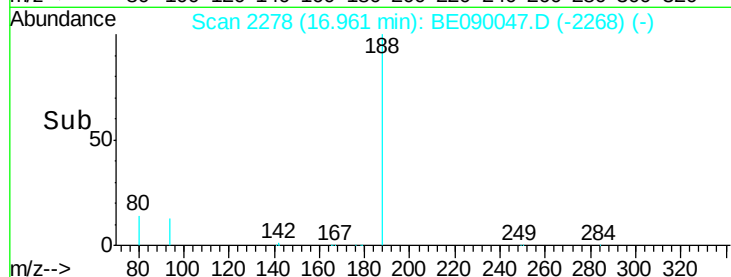
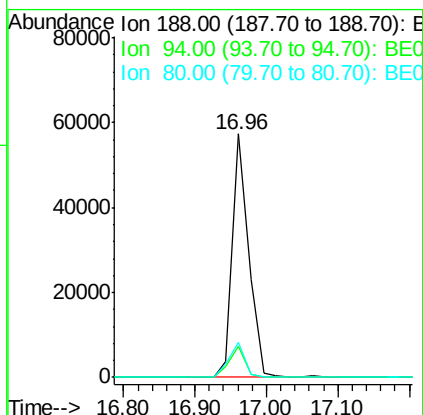
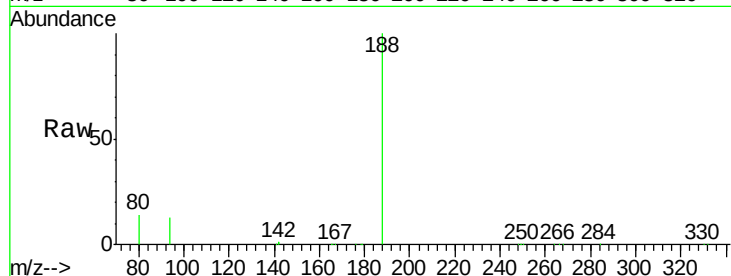




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

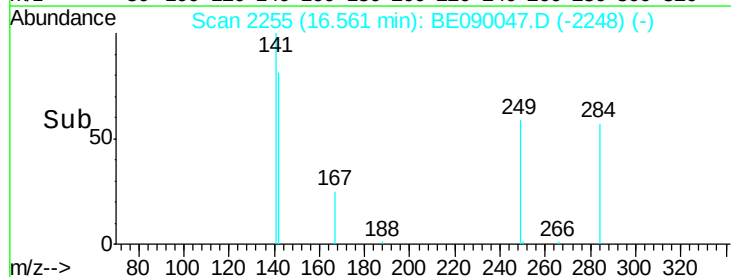
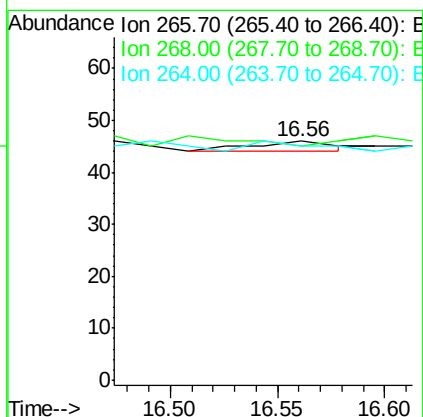
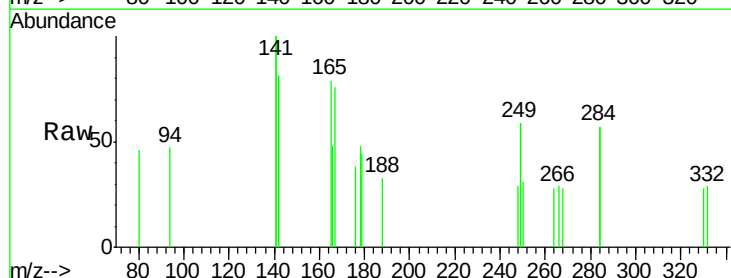
Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

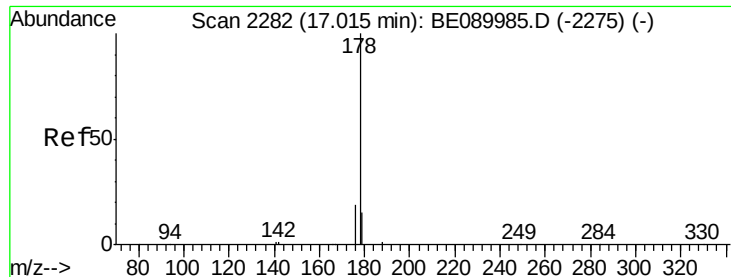
Tgt Ion:188 Resp: 89770
Ion Ratio Lower Upper
188 100
94 12.9 4.1 6.1#
80 14.1 4.2 6.2#



#21
Pentachlorophenol
Concen: 0.26 ng
RT: 16.56 min Scan# 2255
Delta R.T. -0.07 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion:266 Resp: 5
Ion Ratio Lower Upper
266 100
268 97.8 51.8 77.8#
264 97.8 50.2 75.2#





#22

Phenanthrene

Concen: 11.67 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

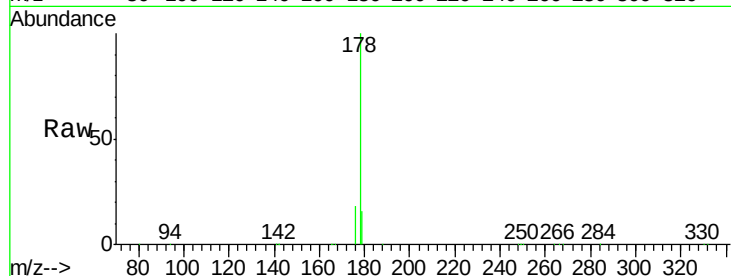
BNA_E

ClientSampleId :

X1SS0650006-150626

Tgt Ion:178 Resp: 268417

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.7	12.4	18.6

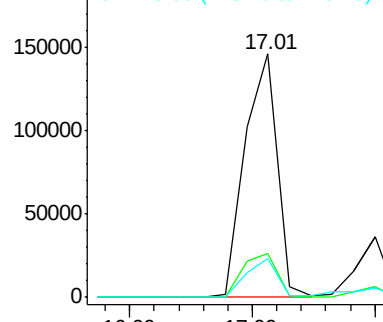


Abundance

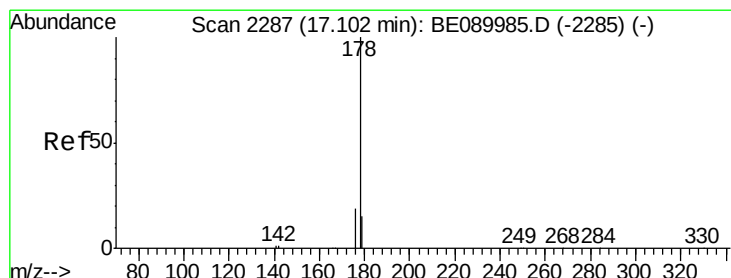
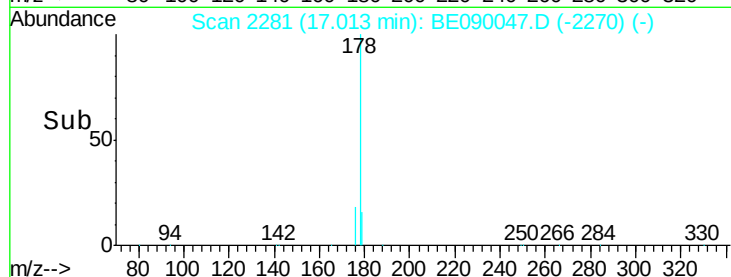
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#23

Anthracene

Concen: 12.76 ng

RT: 17.01 min Scan# 2281

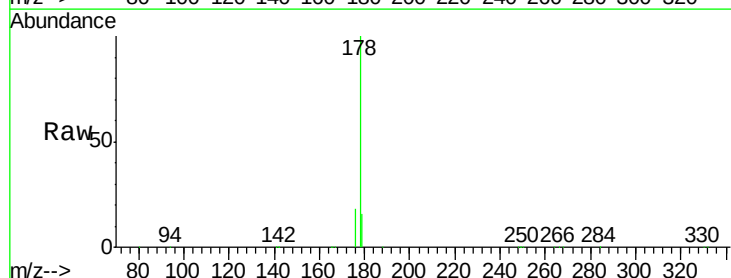
Delta R.T. -0.09 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:178 Resp: 268417

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.7	12.1	18.1

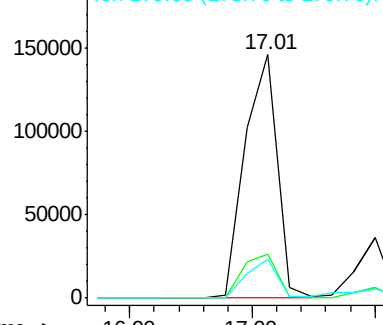


Abundance

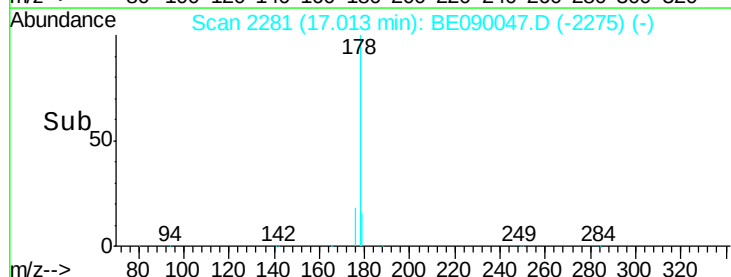
Ion 178.00 (177.70 to 178.70): E

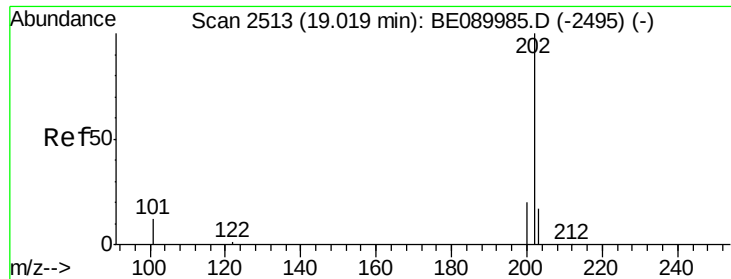
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#24

Fluoranthene

Concen: 24.59 ng

RT: 19.01 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

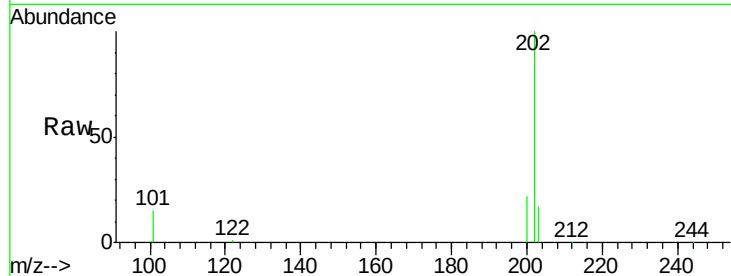
Tgt Ion:202 Resp: 631672

Ion Ratio Lower Upper

202 100

101 14.0 10.6 15.8

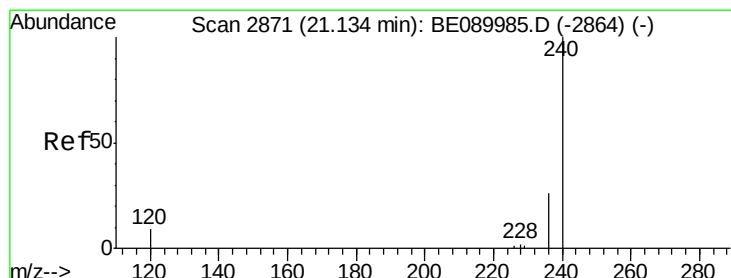
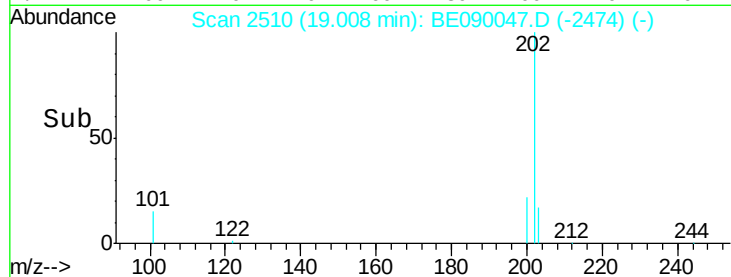
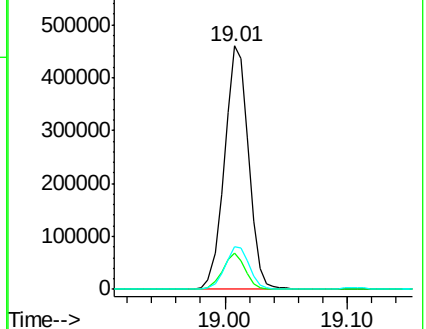
203 17.5 13.8 20.6



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: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

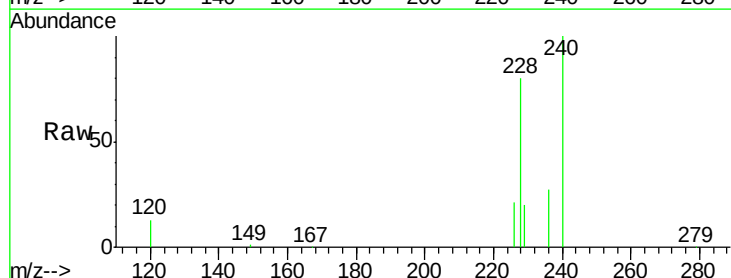
Tgt Ion:240 Resp: 106715

Ion Ratio Lower Upper

240 100

120 12.8 6.9 10.3#

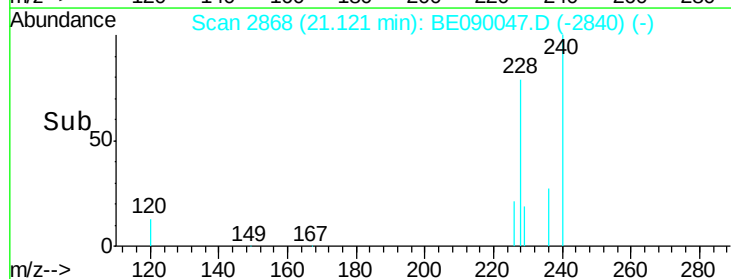
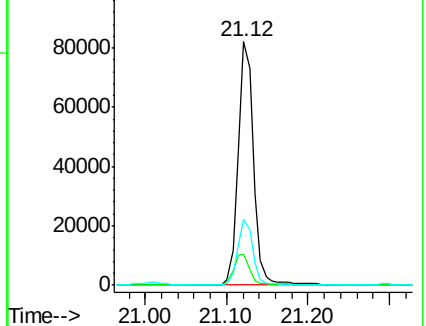
236 27.2 20.8 31.2

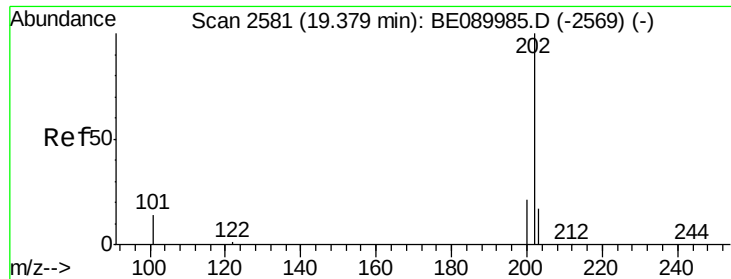


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

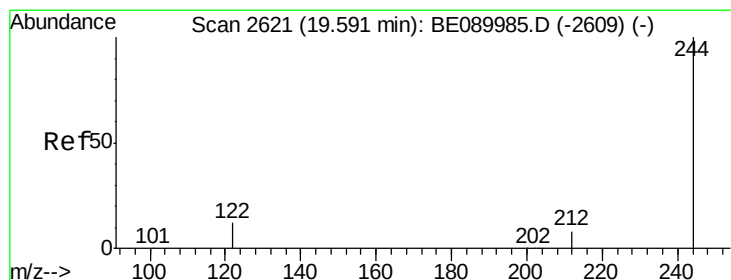
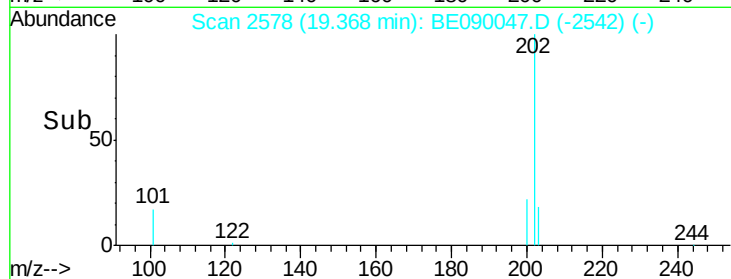
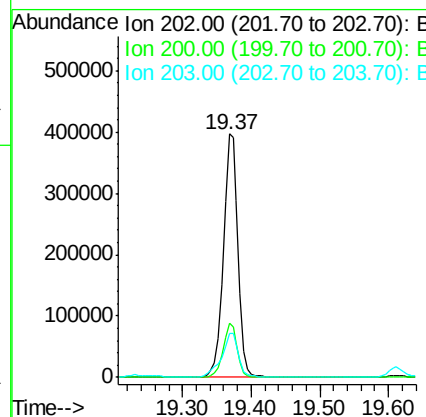
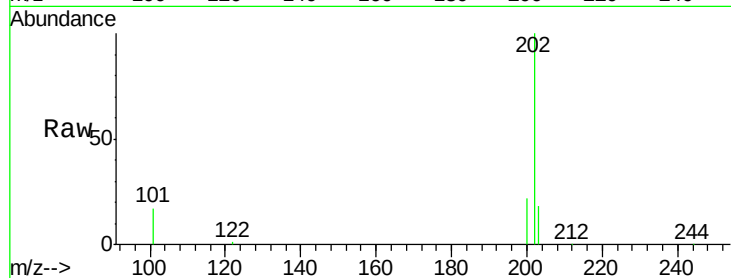




#26
 Pyrene
 Concen: 22.90 ng
 RT: 19.37 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

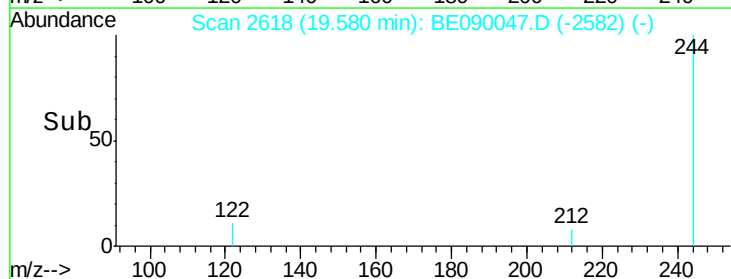
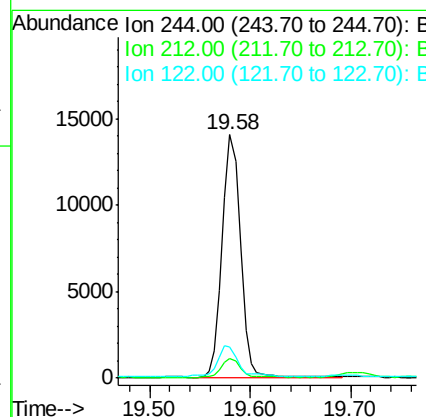
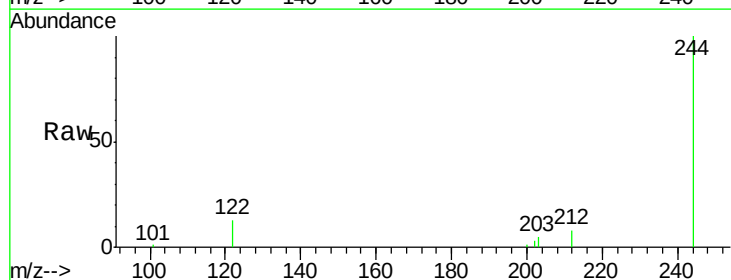
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

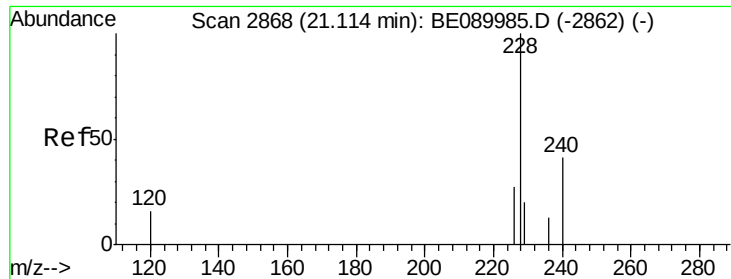
Tgt Ion: 202 Resp: 582569
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.8 25.2
 203 20.8 13.9 20.9



#27
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion: 244 Resp: 17726
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 9.8
 122 12.9 9.8 14.8

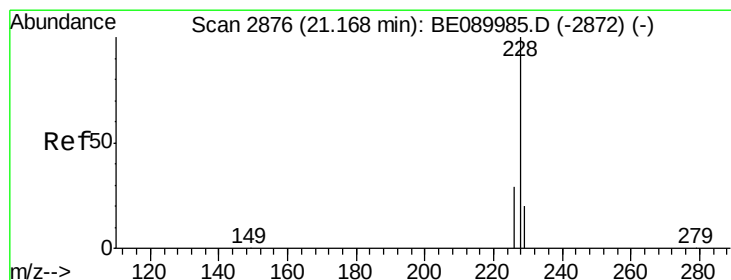
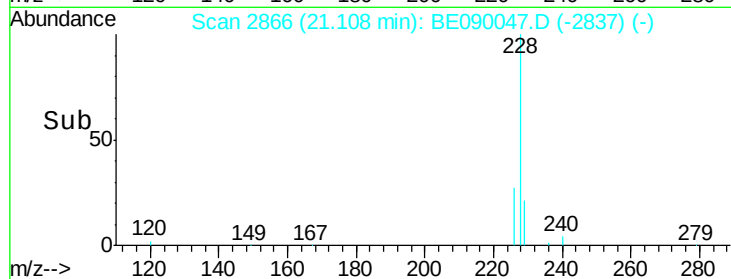
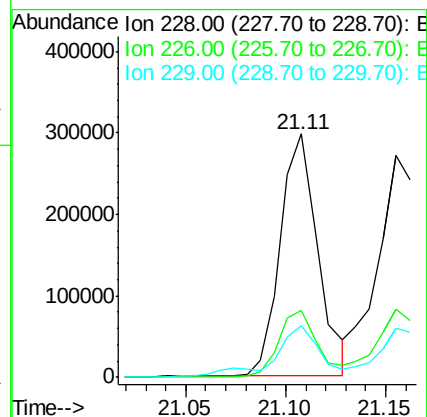
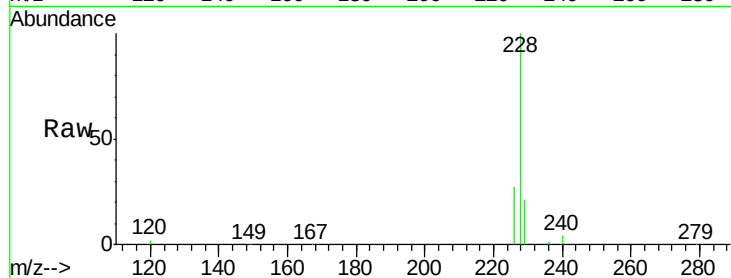




#28
Benzo(a)anthracene
Concen: 14.60 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

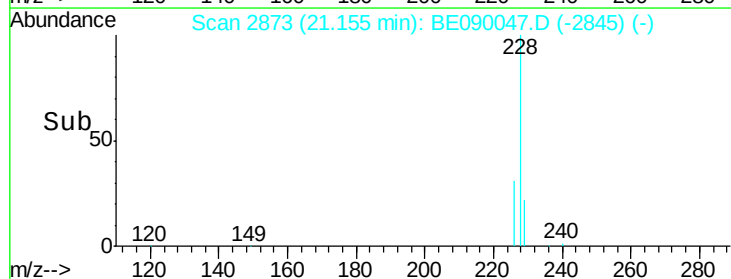
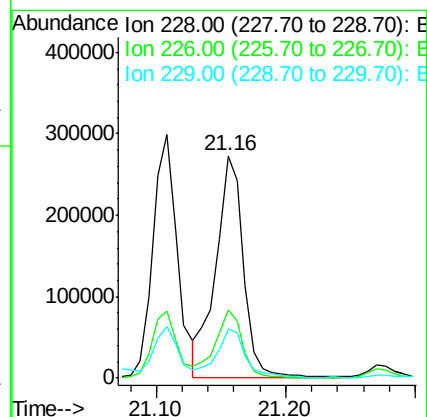
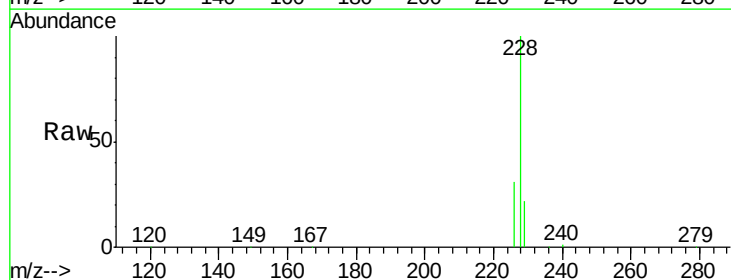
Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

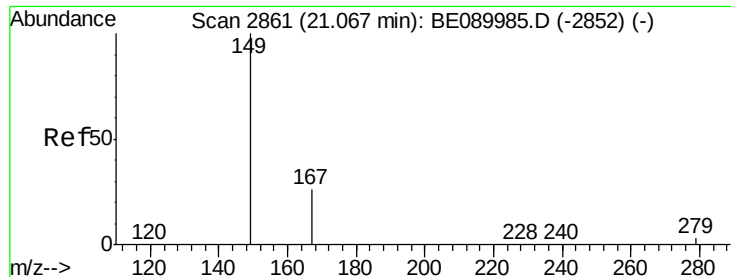
Tgt Ion:228 Resp: 389090
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.6
229 21.0 15.8 23.6



#29
Chrysene
Concen: 14.65 ng
RT: 21.16 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion:228 Resp: 405485
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.0
229 21.9 16.2 24.2

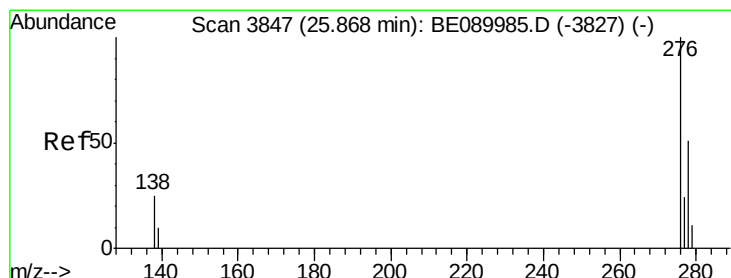
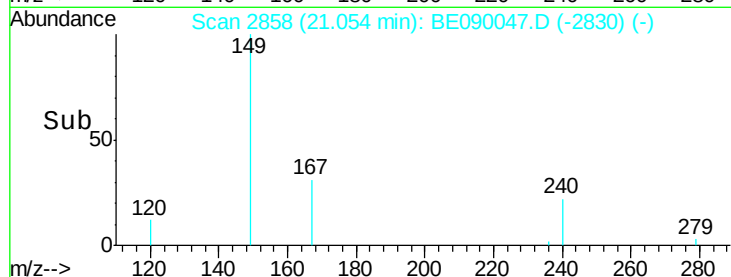
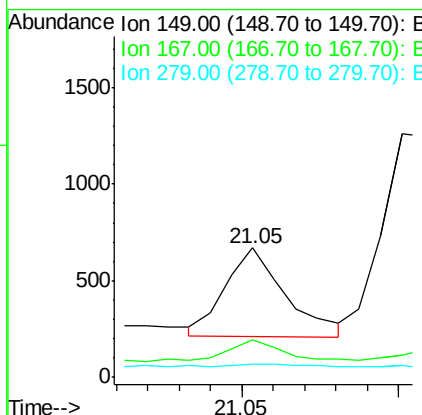
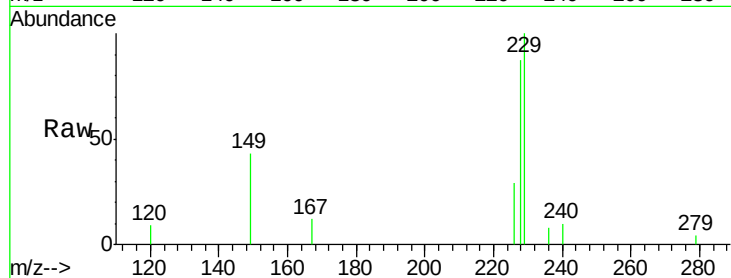




#30
Bis(2-ethylhexyl)phthalate
Concen: 0.35 ng
RT: 21.05 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

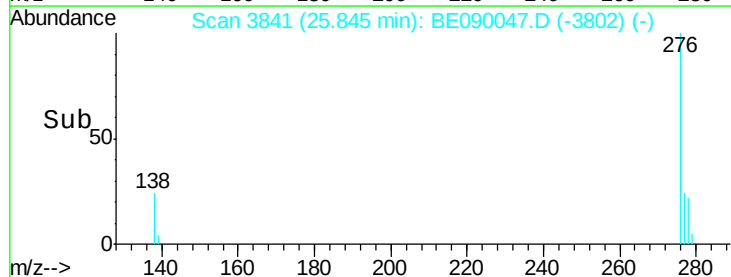
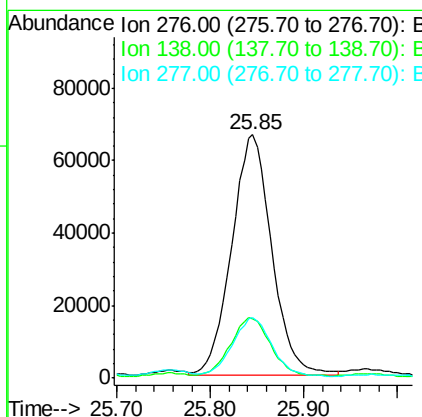
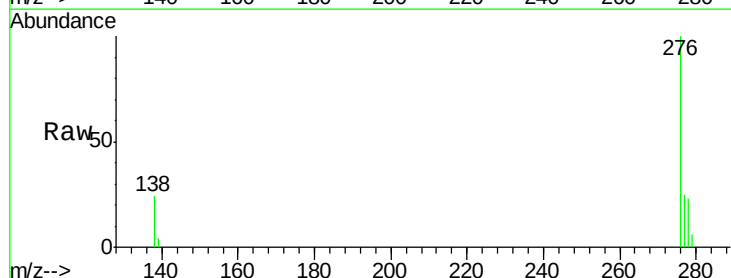
Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

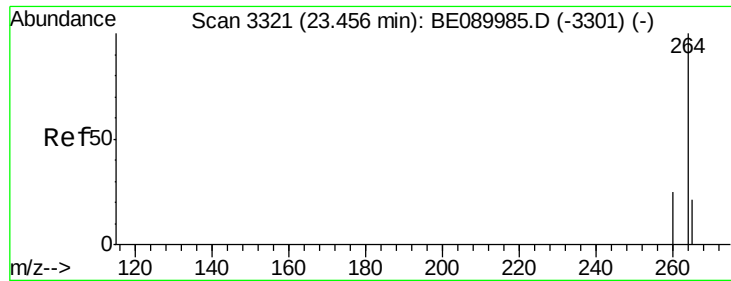
Tgt Ion:149 Resp: 605
Ion Ratio Lower Upper
149 100
167 22.1 20.3 30.5
279 4.0 2.6 3.8#



#31
Indeno(1,2,3-cd)pyrene
Concen: 7.44 ng
RT: 25.85 min Scan# 3841
Delta R.T. -0.02 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion:276 Resp: 197347
Ion Ratio Lower Upper
276 100
138 24.8 21.3 31.9
277 23.7 19.7 29.5

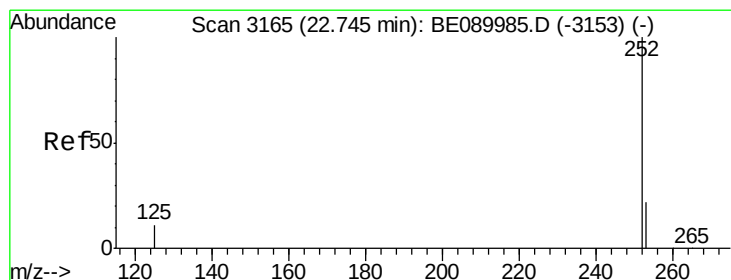
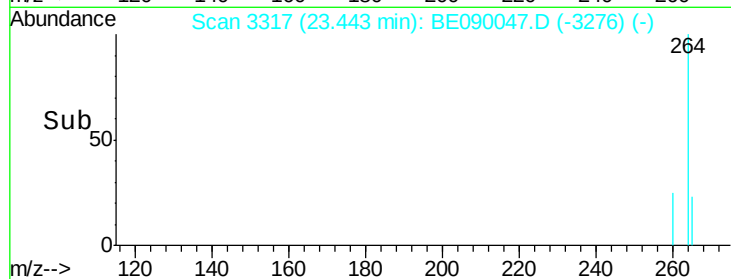
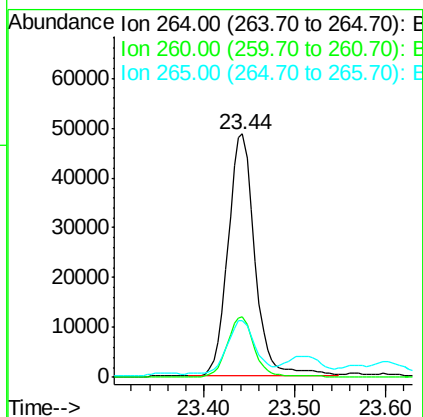
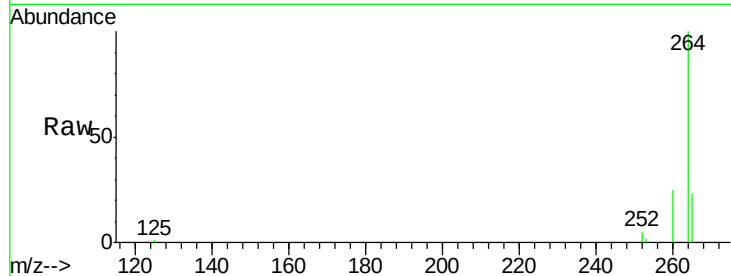




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3317
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

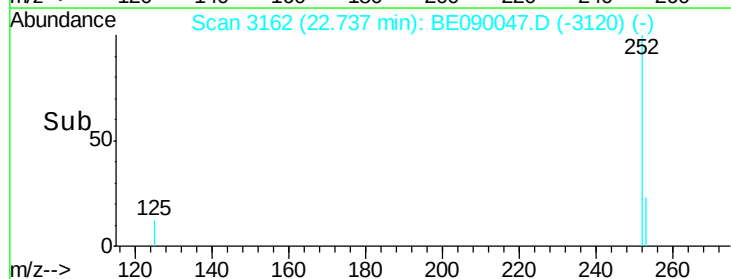
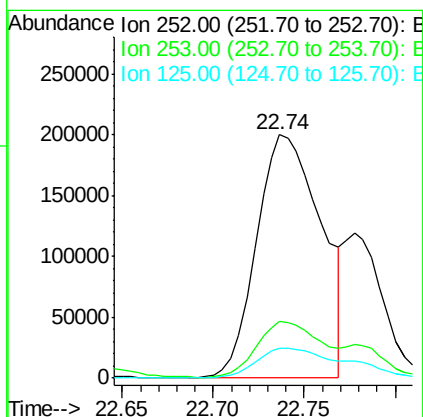
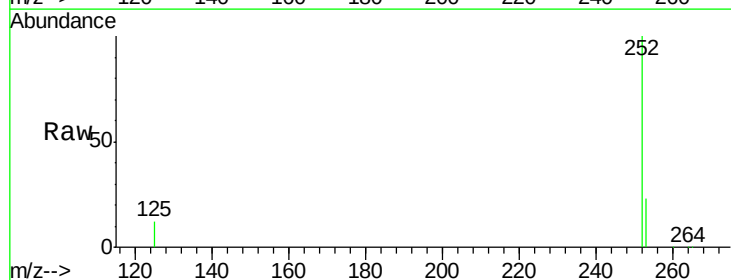
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

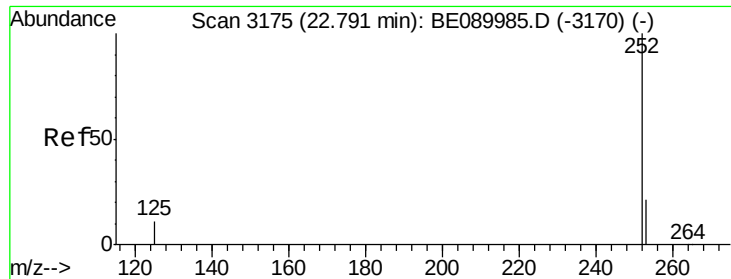
Tgt Ion: 264 Resp: 99980
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.2 30.2
 265 23.3 17.1 25.7



#33
Benzo(b)fluoranthene
 Concen: 22.34 ng
 RT: 22.74 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion: 252 Resp: 492704
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.8
 125 12.2 9.0 13.4





#34

Benzo(k)fluoranthene

Concen: 20.00 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.05 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

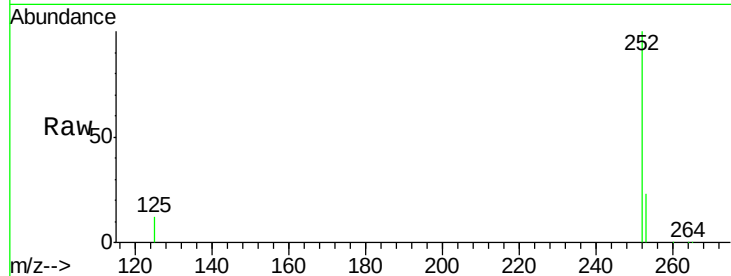
Tgt Ion: 252 Resp: 492704

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

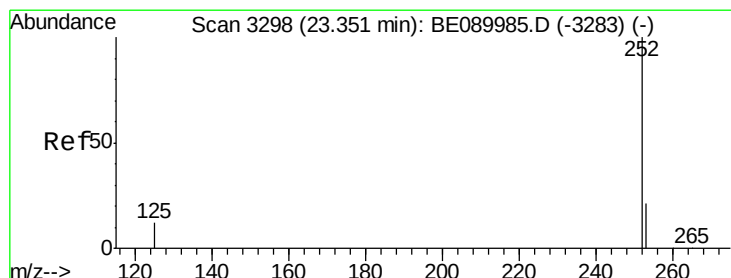
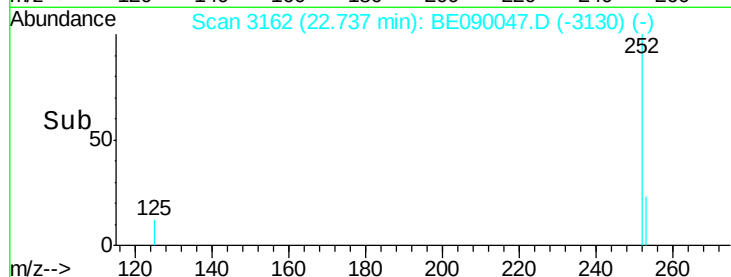
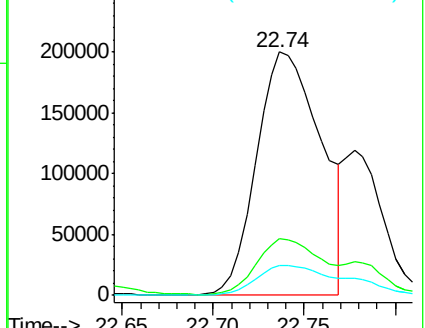
125 12.2 9.5 14.3



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



#35

Benzo(a)pyrene

Concen: 16.52 ng

RT: 23.34 min Scan# 3294

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

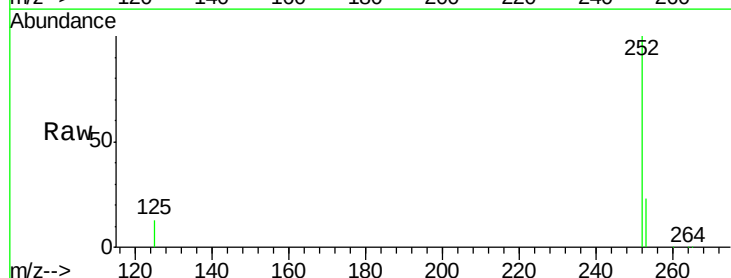
Tgt Ion: 252 Resp: 336465

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

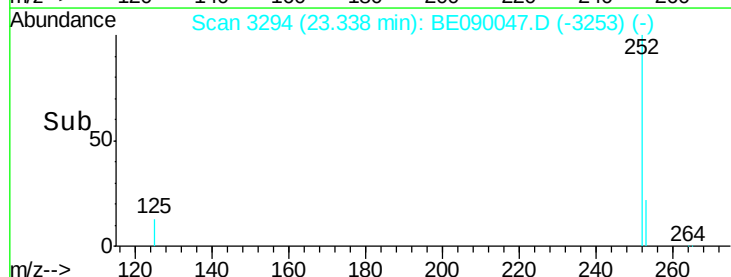
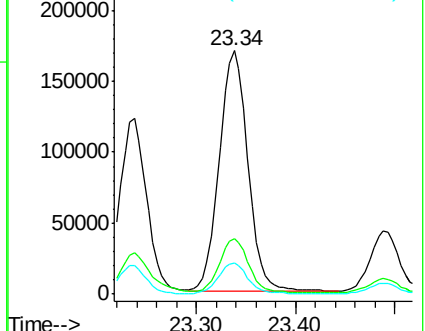
125 12.8 10.5 15.7

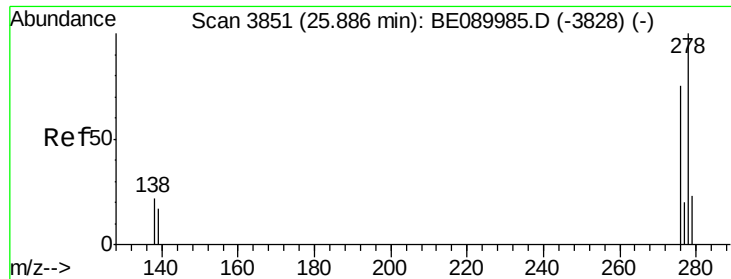


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 2.44 ng

RT: 25.85 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626

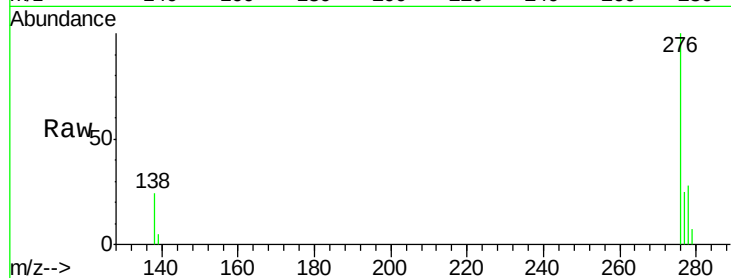
Tgt Ion:278 Resp: 50999

Ion Ratio Lower Upper

278 100

139 18.9 14.4 21.6

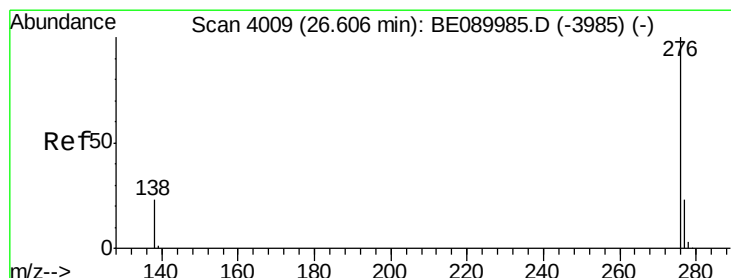
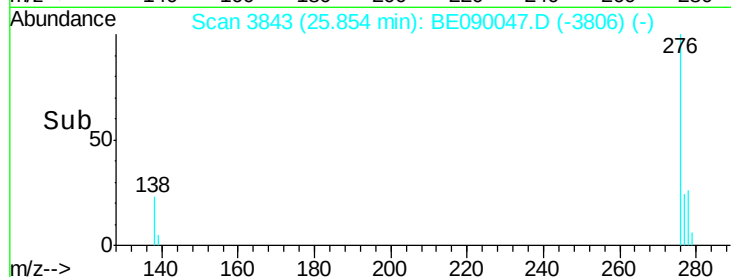
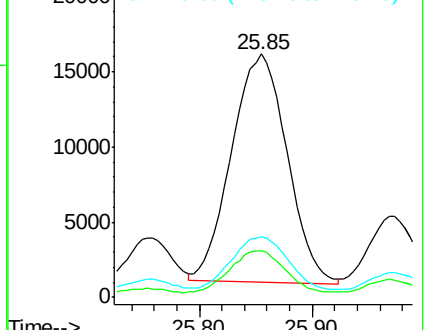
279 25.1 19.0 28.6



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: 9.20 ng

RT: 26.58 min Scan# 4003

Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

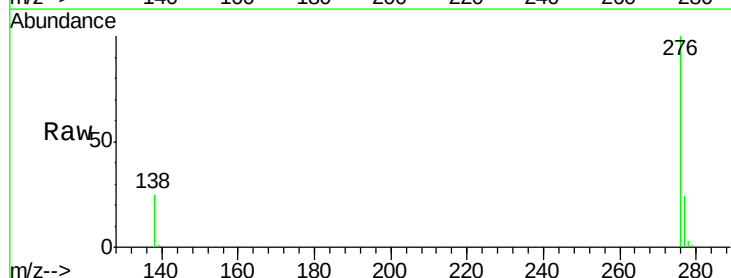
Tgt Ion:276 Resp: 195032

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 24.7 18.6 27.8



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

