

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081215\
 Data File : BE090485.D
 Acq On : 13 Aug 2015 1:59
 Operator : UM/IZ
 Sample : PB84969BS
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84969BS

Quant Time: Aug 13 02:52:41 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 12:28:08 2015
 Response via : Initial Calibration

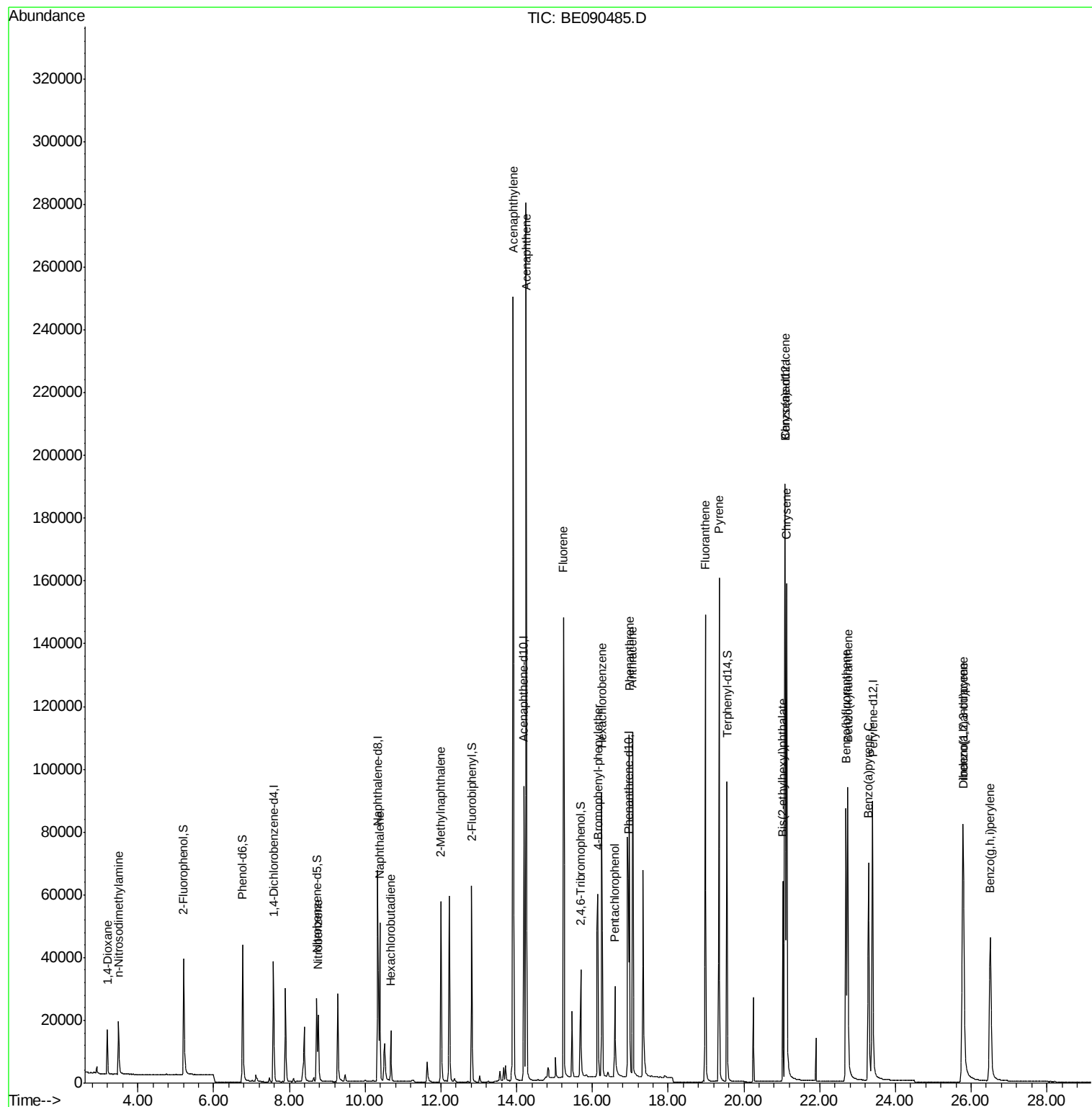
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	19201	5.00	ng	-0.01
6) Naphthalene-d8	10.33	136	89374	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	52550	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	122220	5.00	ng	0.00
25) Chrysene-d12	21.09	240	147782	5.00	ng	0.00
32) Perylene-d12	23.40	264	126451	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	32574	11.31	ng	0.00
5) Phenol-d6	6.76	99	53023	8.47	ng	-0.02
7) Nitrobenzene-d5	8.72	82	25684	3.59	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	16414	9.41	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	58612	4.06	ng	0.00
27) Terphenyl-d14	19.55	244	100197	4.60	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.19	88	8256	3.61	ng	99
3) n-Nitrosodimethylamine	3.49	42	10977	3.70	ng	# 88
8) Nitrobenzene	8.76	77	25957	3.41	ng	97
9) Naphthalene	10.38	128	69102	3.50	ng	98
10) Hexachlorobutadiene	10.68	225	11419	3.81	ng	99
11) 2-Methylnaphthalene	12.00	142	45525	3.98	ng	98
15) Acenaphthylene	13.91	152	328232	3.86	ng	100
16) Acenaphthene	14.25	154	48502	3.67	ng	91
17) Fluorene	15.24	166	67767	3.94	ng	98
19) 4-Bromophenyl-phenylether	16.14	248	18952	3.99	ng	93
20) Hexachlorobenzene	16.25	284	87523	3.56	ng	98
21) Pentachlorophenol	16.60	266	16445	8.25	ng	90
22) Phenanthrene	16.98	178	119363	3.90	ng	100
23) Anthracene	17.07	178	119201	4.74	ng	100
24) Fluoranthene	18.98	202	135456	4.50	ng	99
26) Pyrene	19.34	202	148334	4.63	ng	99
28) Benzo(a)anthracene	21.08	228	141488	4.32	ng	99
29) Chrysene	21.13	228	148948	3.76	ng	97
30) Bis(2-ethylhexyl)phthalate	21.02	149	51370	4.51	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	122166	3.50	ng	95
33) Benzo(b)fluoranthene	22.70	252	118238	4.17	ng	98
34) Benzo(k)fluoranthene	22.74	252	132459	3.76	ng	99
35) Benzo(a)pyrene	23.29	252	107199	4.01	ng	99
36) Dibenzo(a,h)anthracene	25.80	278	97789	3.77	ng	98
37) Benzo(g,h,i)perylene	26.50	276	108455	4.65	ng	98

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

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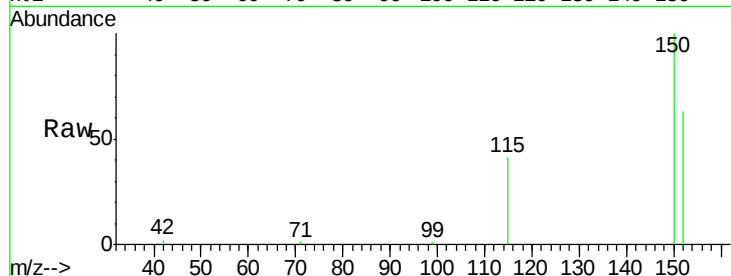




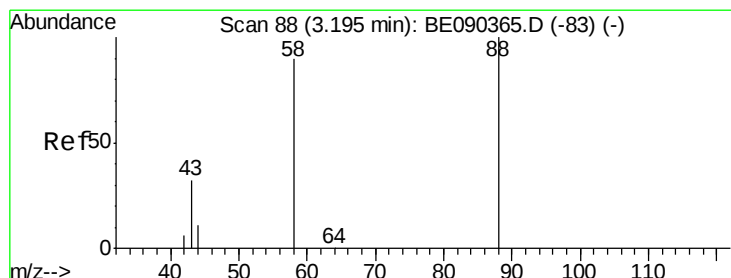
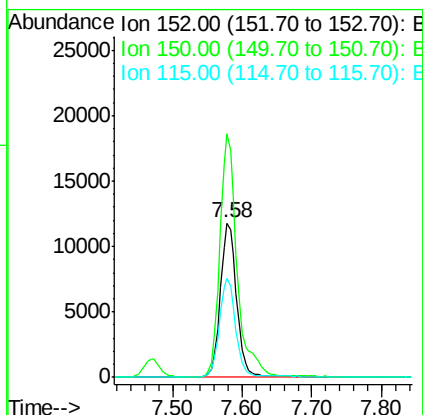
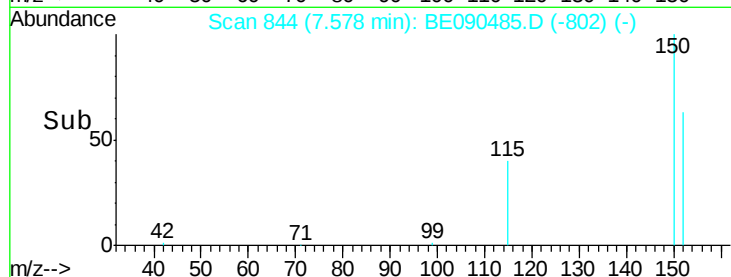
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :
 PB84969BS

Tgt Ion: 152 Resp: 19201
 Ion Ratio Lower Upper
 152 100
 150 157.5 123.0 184.4
 115 63.8 48.9 73.3

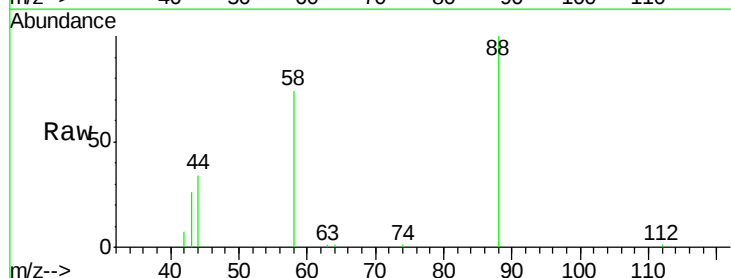


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

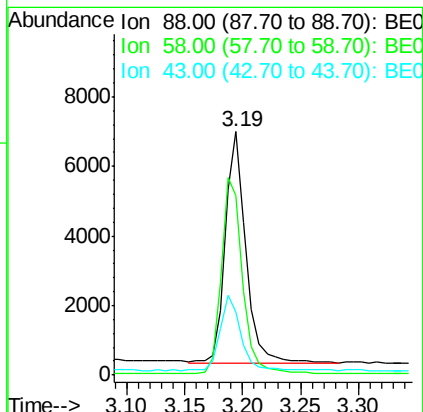
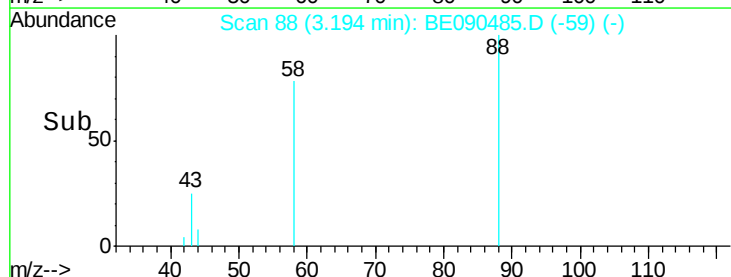


#2
 1,4-Dioxane
 Concen: 3.61 ng
 RT: 3.19 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Tgt Ion: 88 Resp: 8256
 Ion Ratio Lower Upper
 88 100
 58 87.5 70.0 105.0
 43 33.5 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





#3

n-Nitrosodimethylamine

Concen: 3.70 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

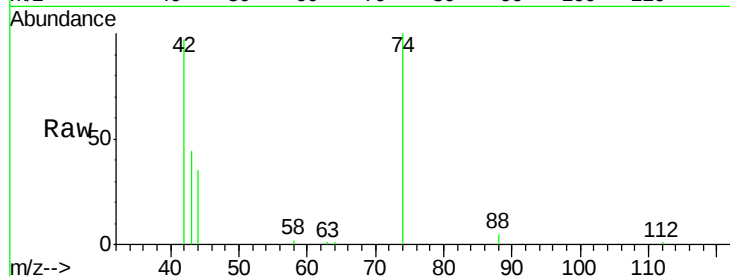
Tgt Ion: 42 Resp: 10977

Ion Ratio Lower Upper

42 100

74 105.8 75.2 112.8

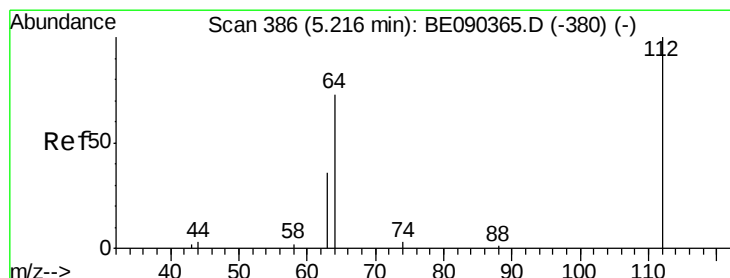
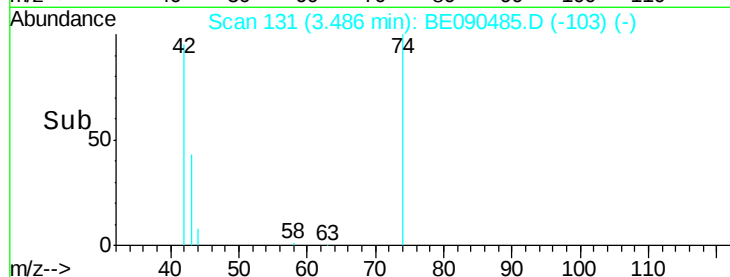
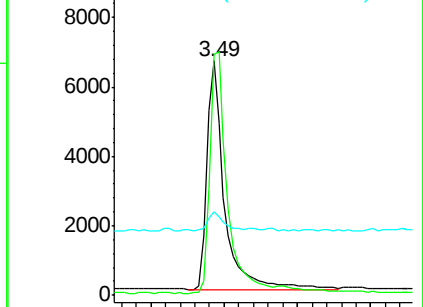
44 7.0 8.7 13.1#



Abundance Ion 42.00 (41.70 to 42.70): BE090365.D (-127) (-)

Ion 74.00 (73.70 to 74.70): BE090365.D (-127) (-)

Ion 44.00 (43.70 to 44.70): BE090365.D (-127) (-)



#4

2-Fluorophenol

Concen: 11.31 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

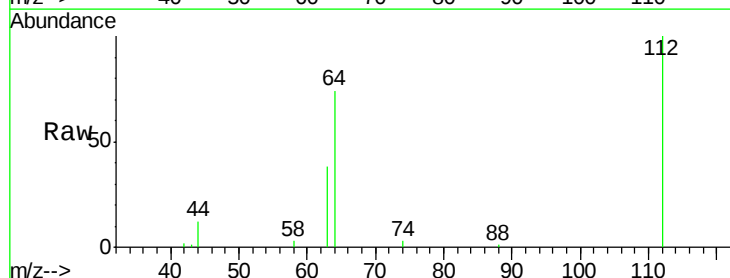
Tgt Ion: 112 Resp: 32574

Ion Ratio Lower Upper

112 100

64 70.8 37.1 55.7#

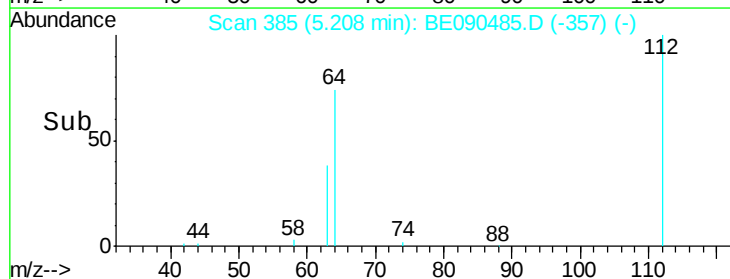
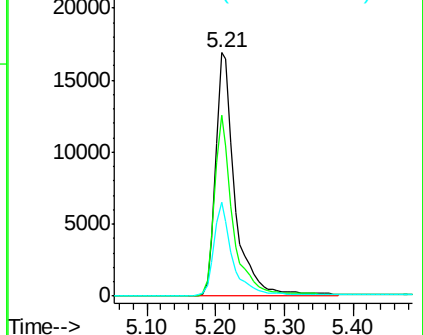
63 36.5 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090365.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090365.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090365.D (-380) (-)





#5

Phenol-d6

Concen: 8.47 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.02 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

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ClientSampleId :

PB84969BS

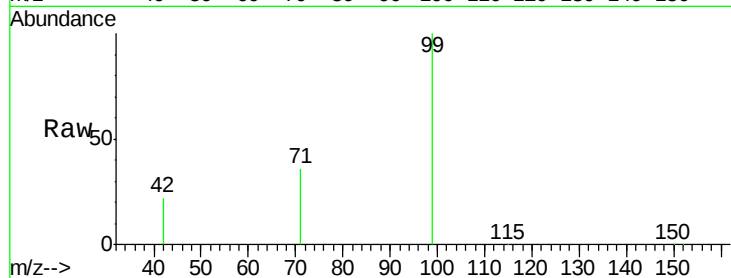
Tgt Ion: 99 Resp: 53023

Ion Ratio Lower Upper

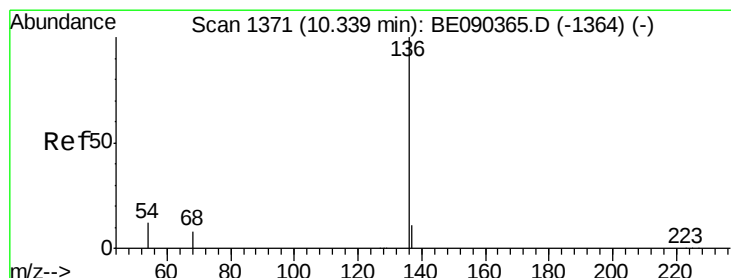
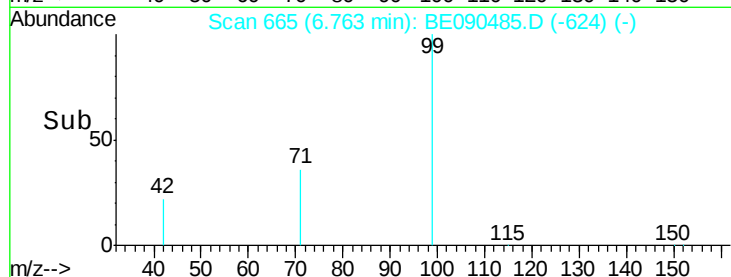
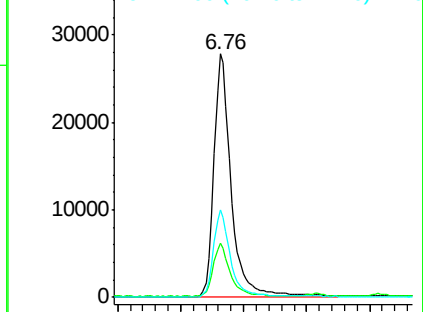
99 100

42 21.7 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: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Tgt Ion: 136 Resp: 89374

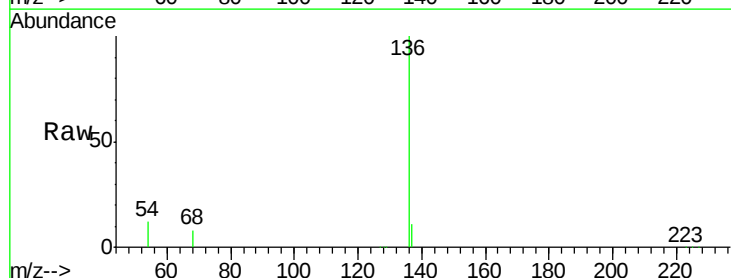
Ion Ratio Lower Upper

136 100

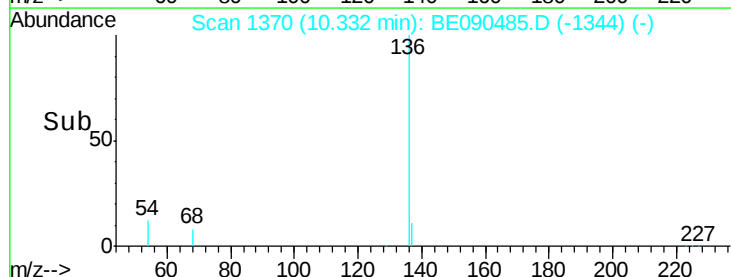
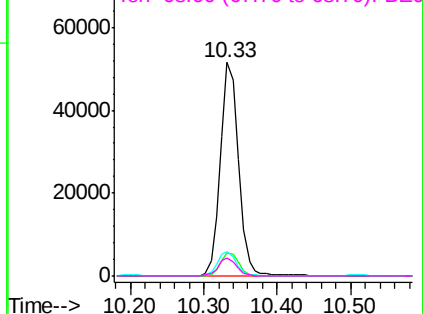
137 10.9 8.7 13.1

54 11.6 9.4 14.0

68 8.4 6.5 9.7



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: 3.59 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

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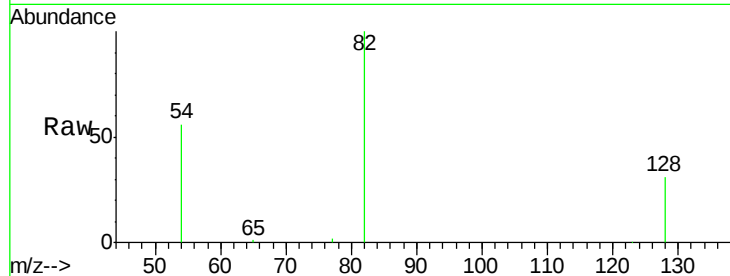
Tgt Ion: 82 Resp: 25684

Ion Ratio Lower Upper

82 100

128 31.4 25.0 37.6

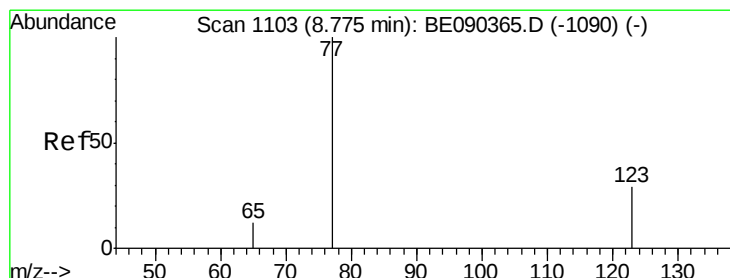
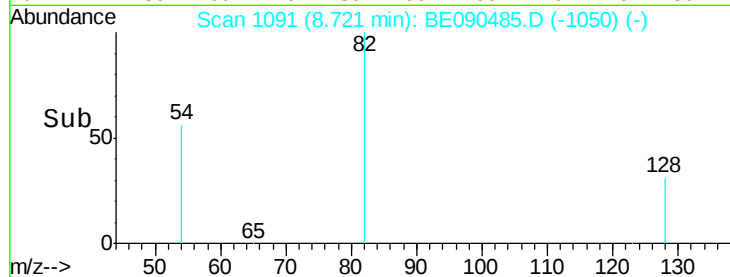
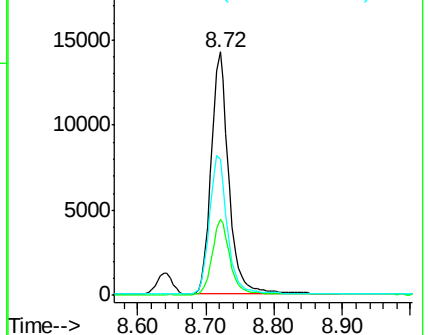
54 55.9 48.8 73.2



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



#8

Nitrobenzene

Concen: 3.41 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

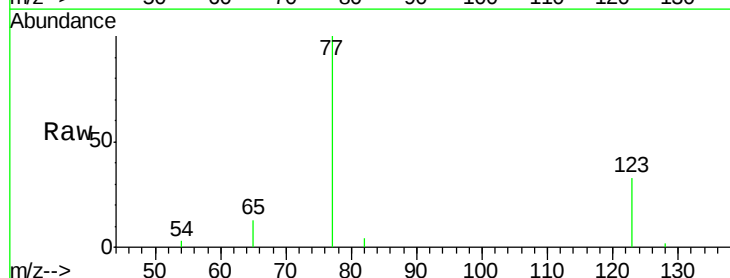
Tgt Ion: 77 Resp: 25957

Ion Ratio Lower Upper

77 100

123 32.9 25.1 37.7

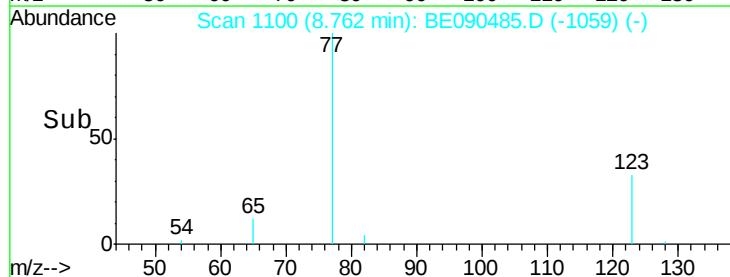
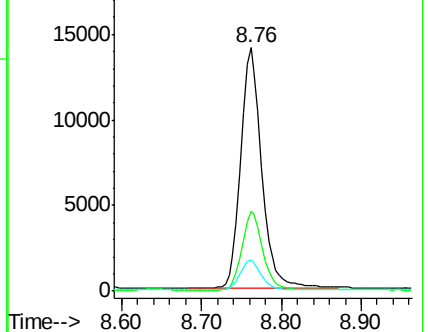
65 12.5 9.3 13.9



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.50 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

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Acq: 13 Aug 2015 1:59

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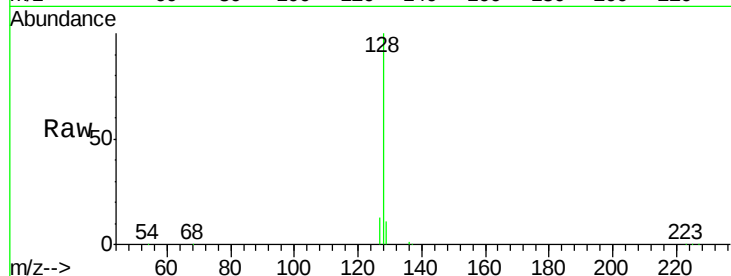
Tgt Ion:128 Resp: 69102

Ion Ratio Lower Upper

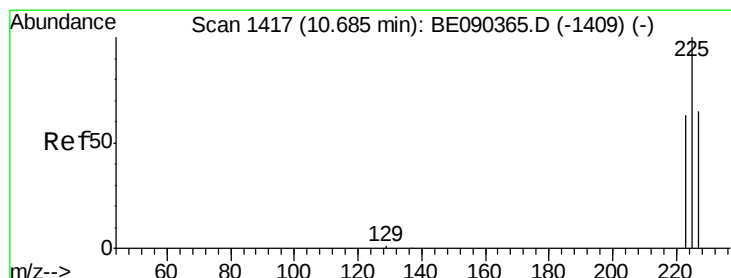
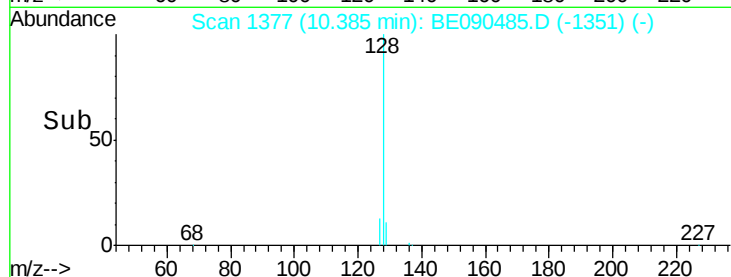
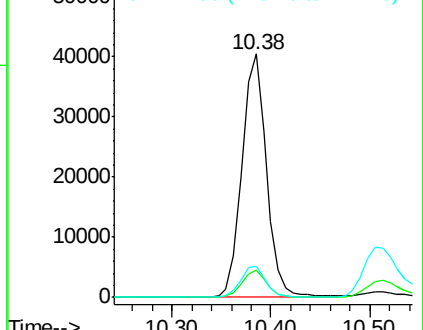
128 100

129 11.1 9.8 14.6

127 12.7 10.6 16.0



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



#10

Hexachlorobutadiene

Concen: 3.81 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

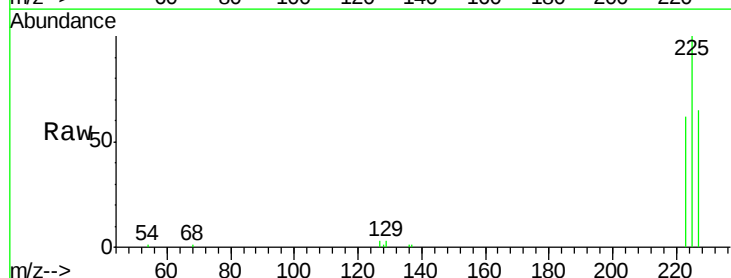
Tgt Ion:225 Resp: 11419

Ion Ratio Lower Upper

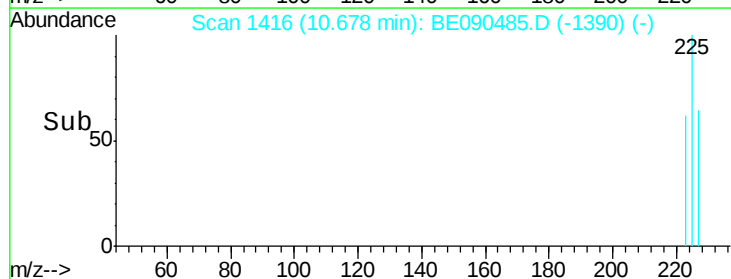
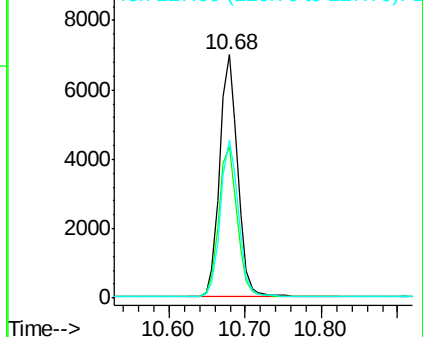
225 100

223 63.1 50.6 75.8

227 64.7 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

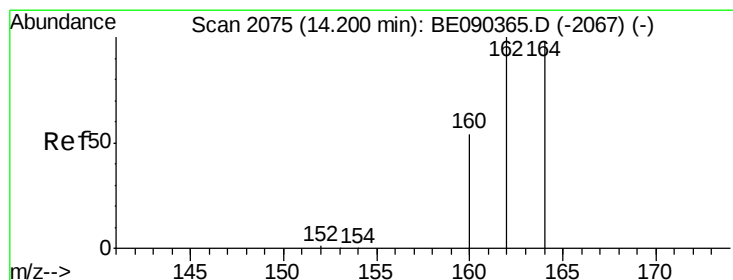
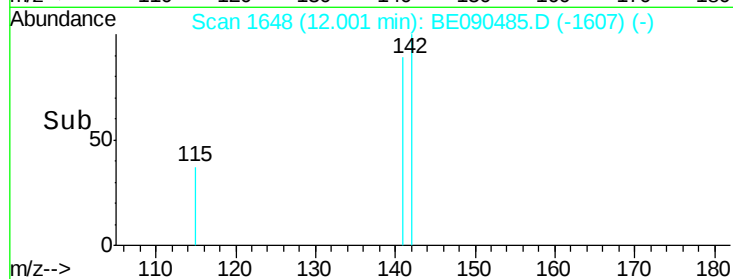
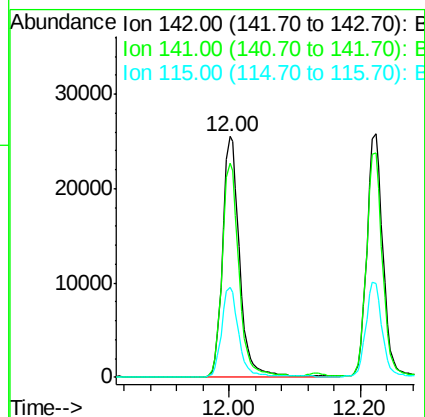
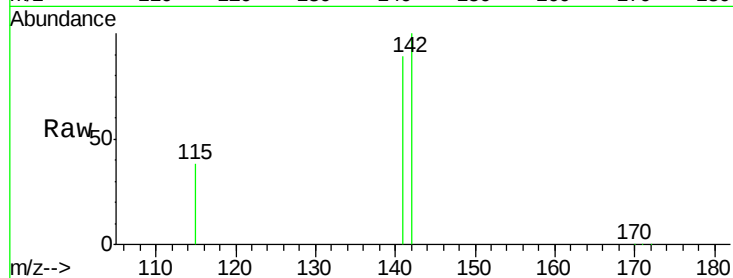




#11
2-Methylnaphthalene
Concen: 3.98 ng
RT: 12.00 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

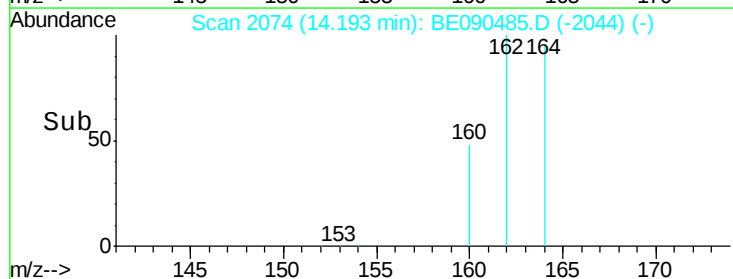
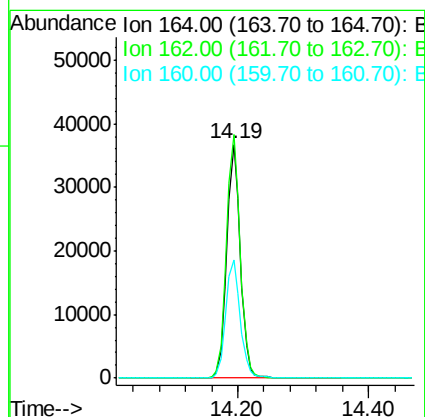
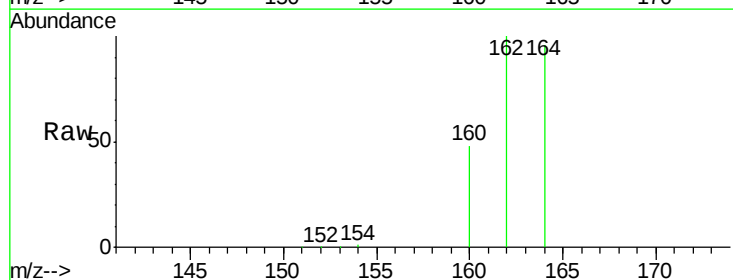
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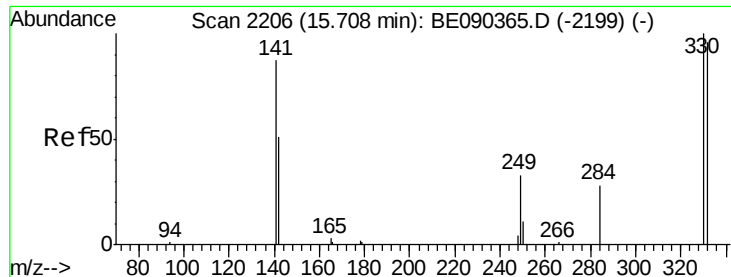
Tgt Ion:142 Resp: 45525
Ion Ratio Lower Upper
142 100
141 88.9 72.6 109.0
115 37.5 31.6 47.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090485.D
Acq: 13 Aug 2015 1:59

Tgt Ion:164 Resp: 52550
Ion Ratio Lower Upper
164 100
162 104.1 81.8 122.8
160 50.3 44.2 66.4

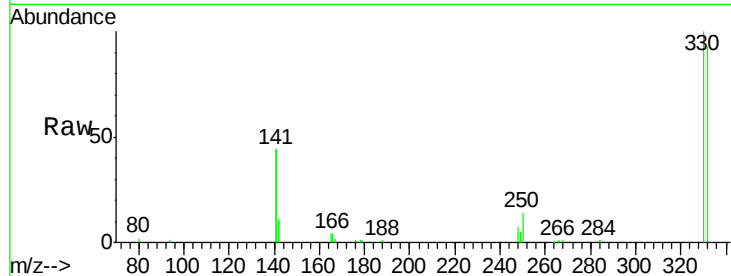




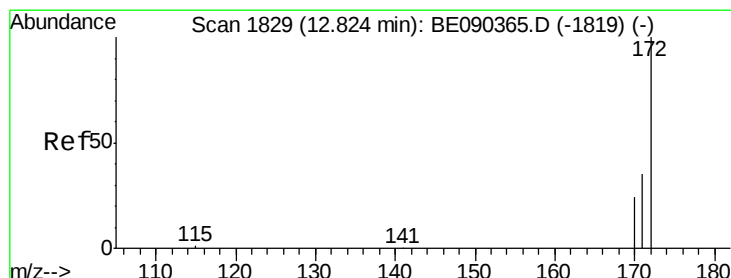
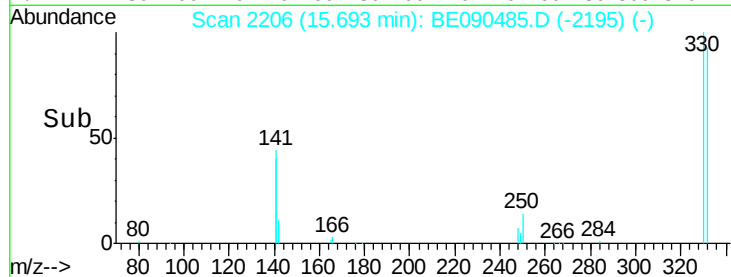
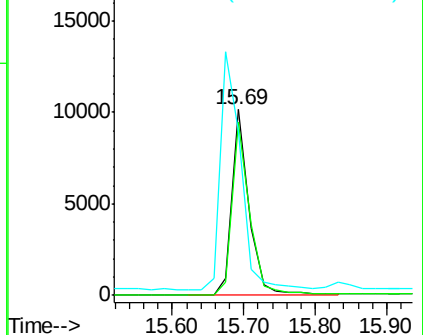
#13
 2,4,6-Tribromophenol
 Concen: 9.41 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :
 PB84969BS

Tgt Ion: 330 Resp: 16414
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.8 113.6
 141 154.4 114.4 171.6

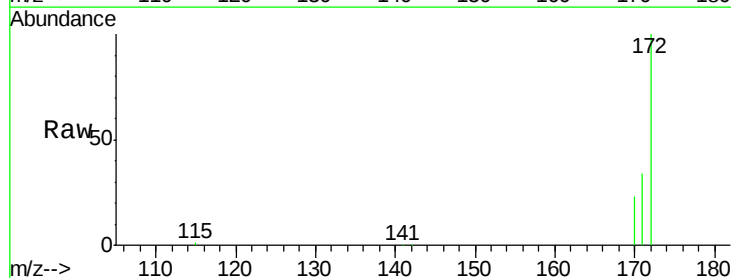


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

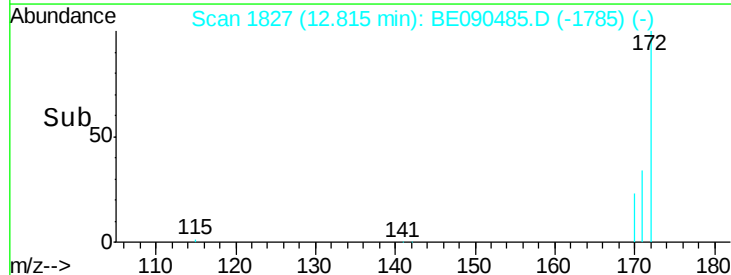
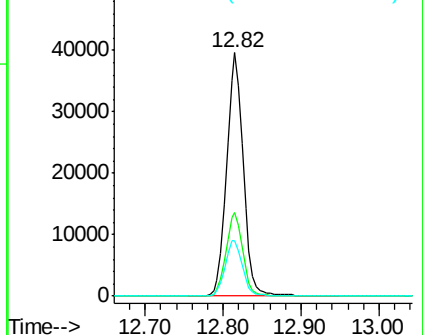


#14
 2-Fluorobiphenyl
 Concen: 4.06 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Tgt Ion: 172 Resp: 58612
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.5 42.7
 170 22.8 19.8 29.8



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





#15

Acenaphthylene

Concen: 3.86 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

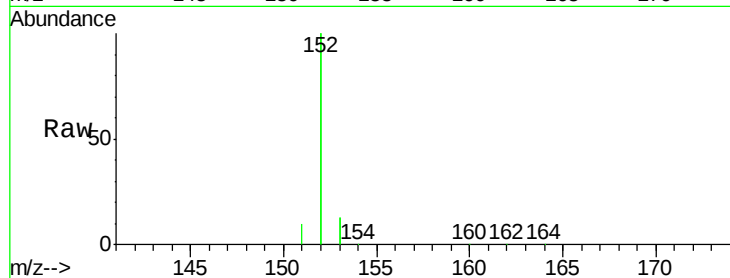
Tgt Ion:152 Resp: 328232

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

250000

200000

150000

100000

50000

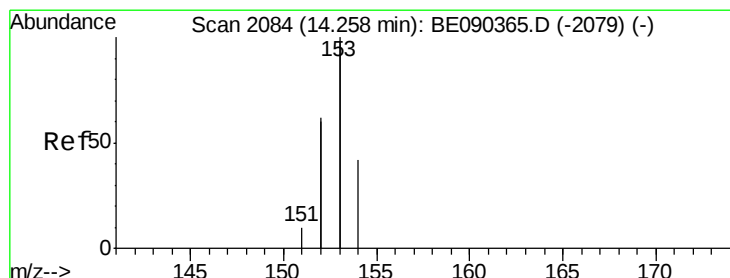
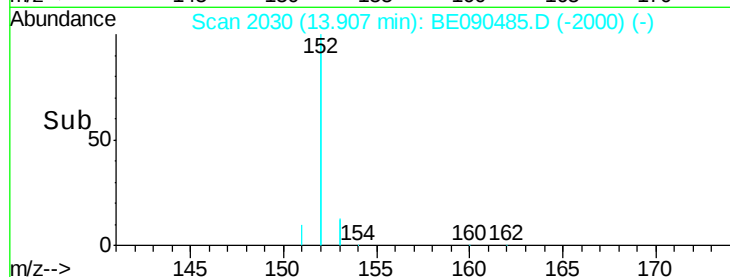
0

13.80

13.91

14.00

Time-->



#16

Acenaphthene

Concen: 3.67 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

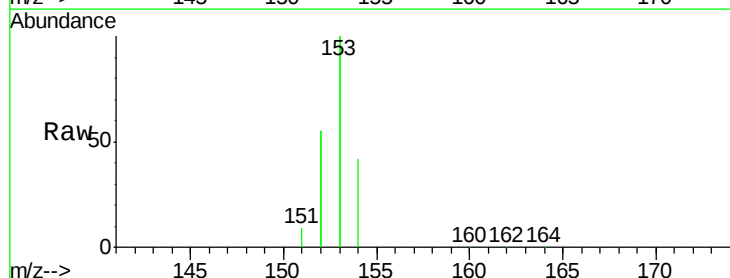
Tgt Ion:154 Resp: 48502

Ion Ratio Lower Upper

154 100

153 464.5 376.2 564.2

152 256.8 235.0 352.4



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

200000

150000

100000

50000

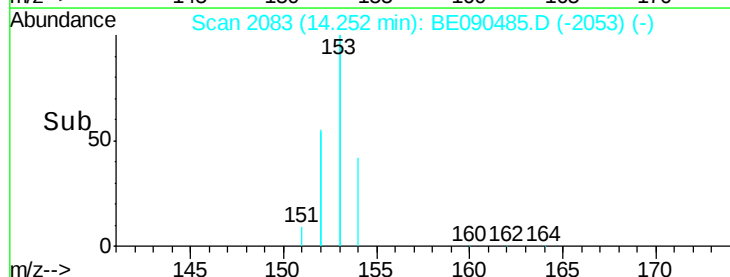
0

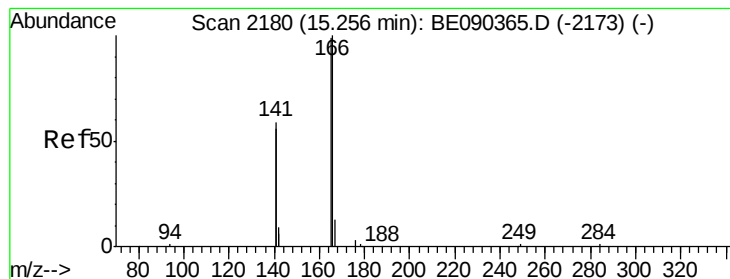
14.20

14.25

14.30

Time-->





#17

Fluorene

Concen: 3.94 ng

RT: 15.24 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

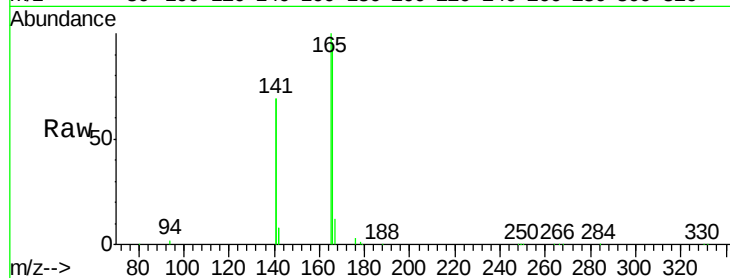
Tgt Ion:166 Resp: 67767

Ion Ratio Lower Upper

166 100

165 99.5 81.5 122.3

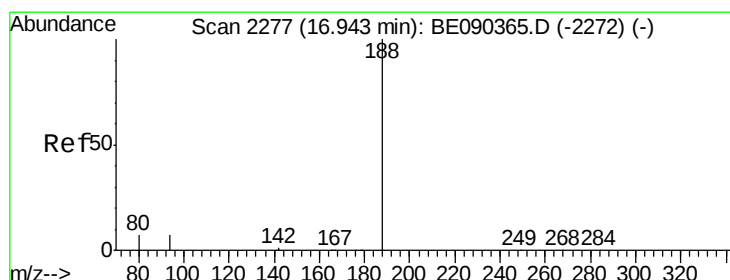
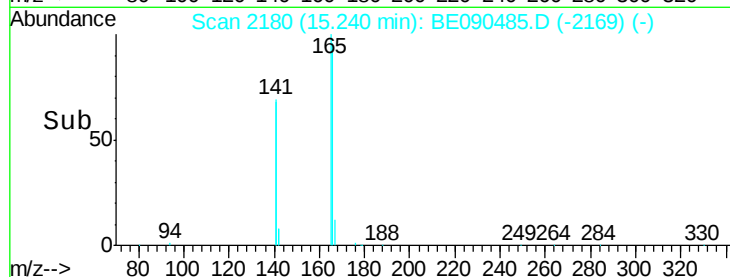
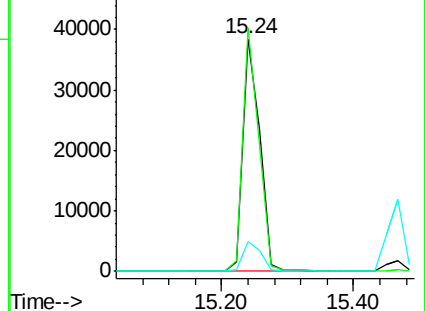
167 13.4 11.4 17.0



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: 16.95 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

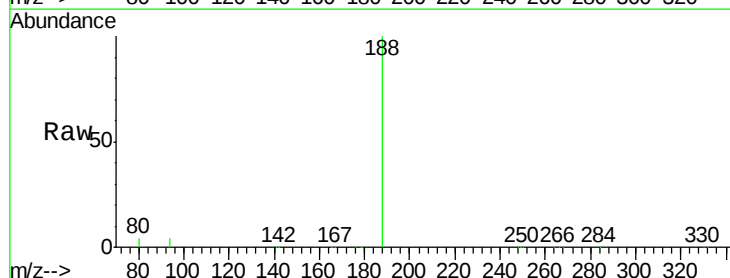
Tgt Ion:188 Resp: 122220

Ion Ratio Lower Upper

188 100

94 4.2 5.7 8.5#

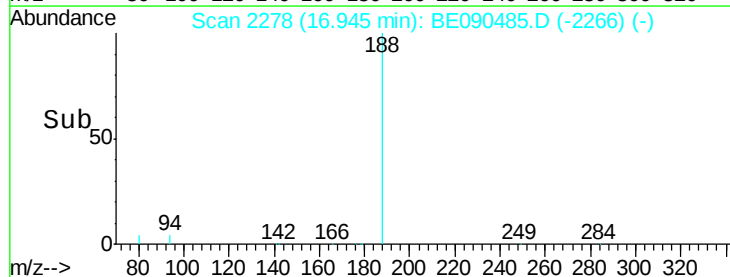
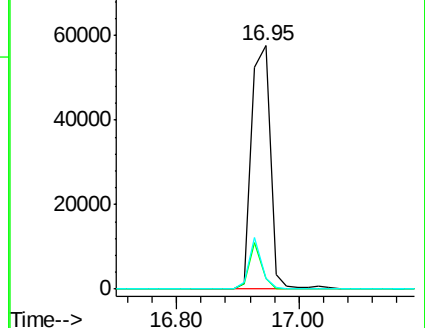
80 4.4 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

4-Bromophenyl-phenylether

Concen: 3.99 ng

RT: 16.14 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

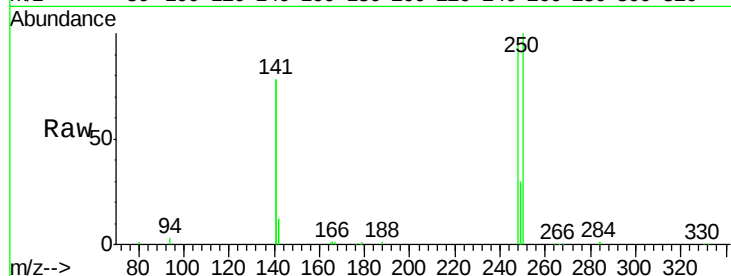
Tgt Ion:248 Resp: 18952

Ion Ratio Lower Upper

248 100

250 99.4 79.0 118.6

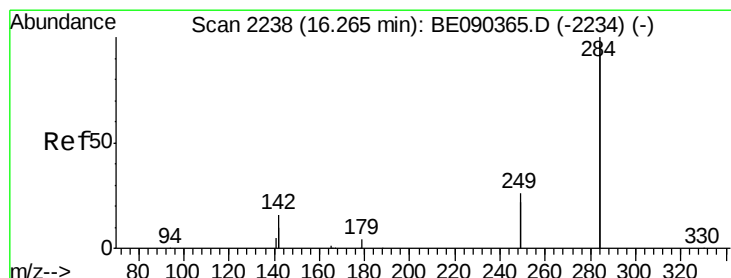
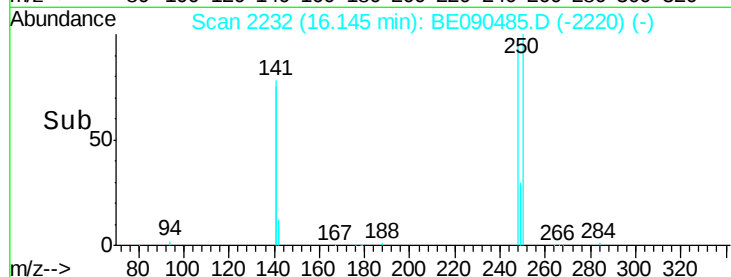
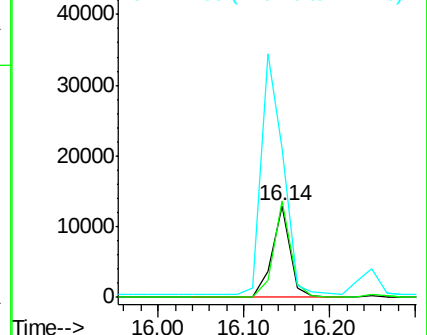
141 317.3 239.5 359.3



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 3.56 ng

RT: 16.25 min Scan# 2238

Delta R.T. -0.02 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

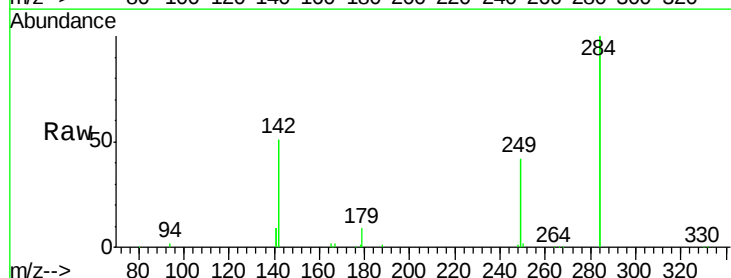
Tgt Ion:284 Resp: 87523

Ion Ratio Lower Upper

284 100

142 38.4 30.1 45.1

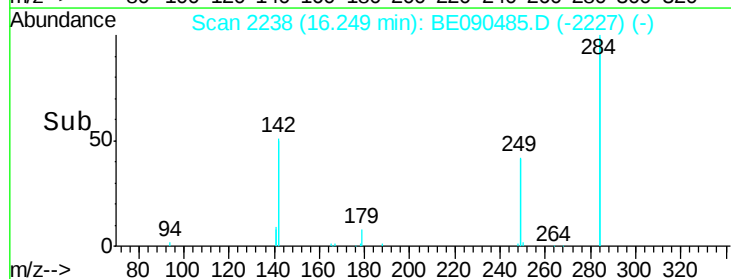
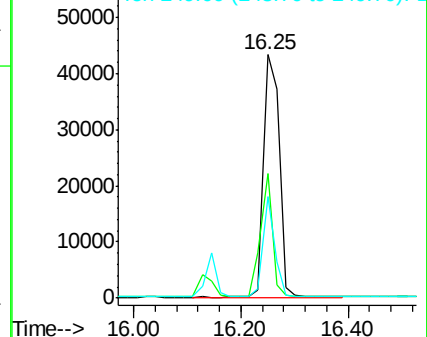
249 30.9 25.7 38.5



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

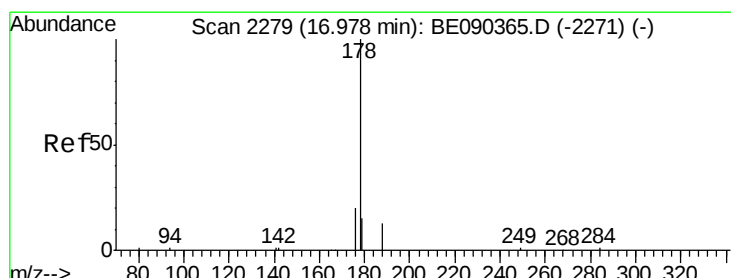
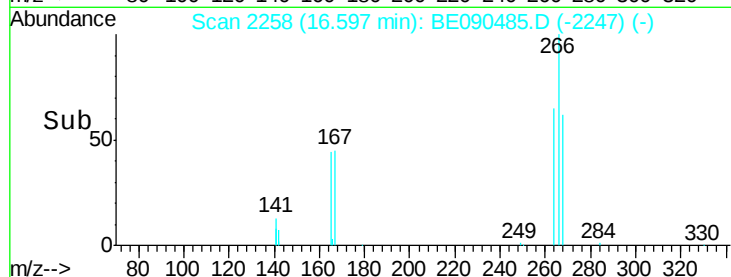
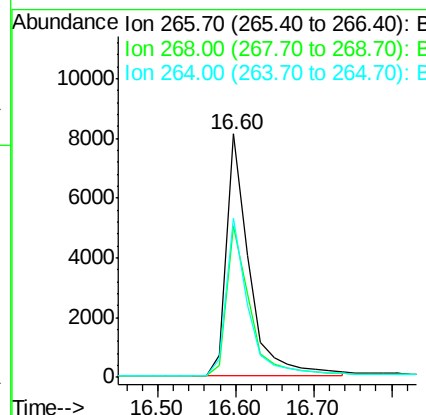
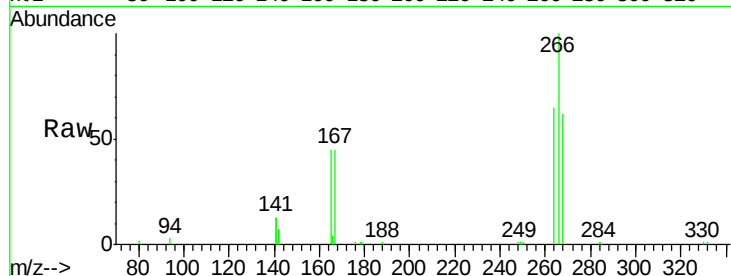




#21
 Pentachlorophenol
 Concen: 8.25 ng
 RT: 16.60 min Scan# 2258
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

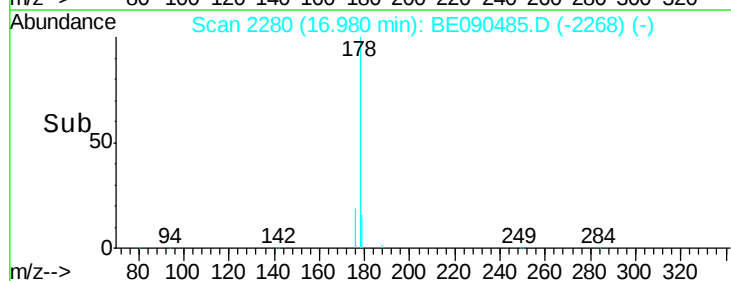
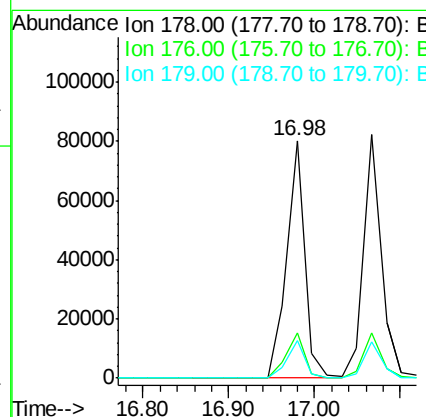
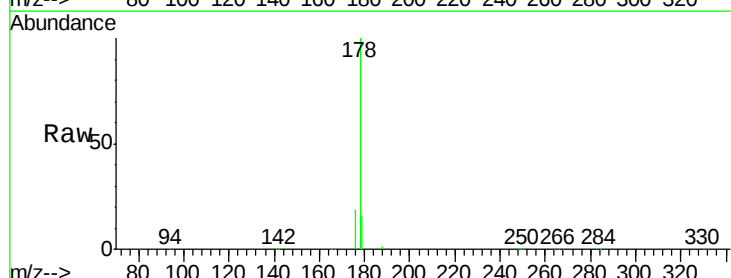
Instrument :
 BNA_E
 ClientSampleID :
 PB84969BS

Tgt Ion: 266 Resp: 16445
 Ion Ratio Lower Upper
 266 100
 268 62.0 58.5 87.7
 264 65.4 56.0 84.0



#22
 Phenanthrene
 Concen: 3.90 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Tgt Ion: 178 Resp: 119363
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.5 12.5 18.7





#23

Anthracene

Concen: 4.74 ng

RT: 17.07 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

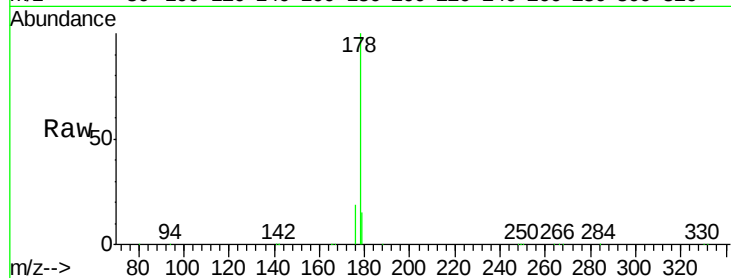
Tgt Ion:178 Resp: 119201

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

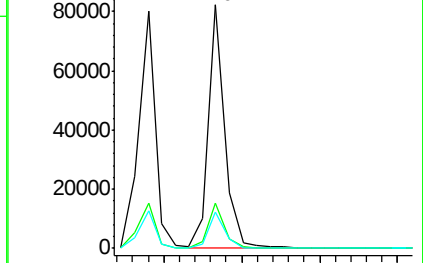
179 15.2 12.2 18.4



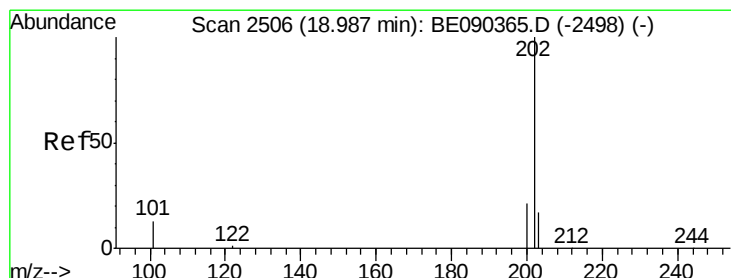
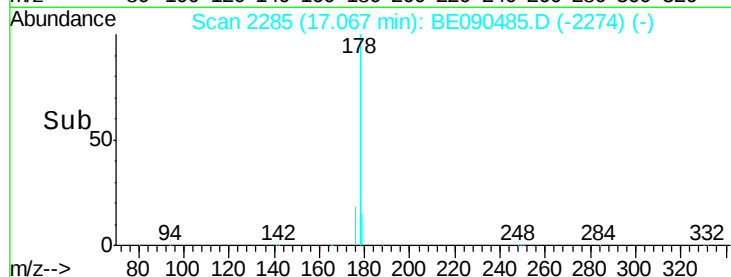
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Fluoranthene

Concen: 4.50 ng

RT: 18.98 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

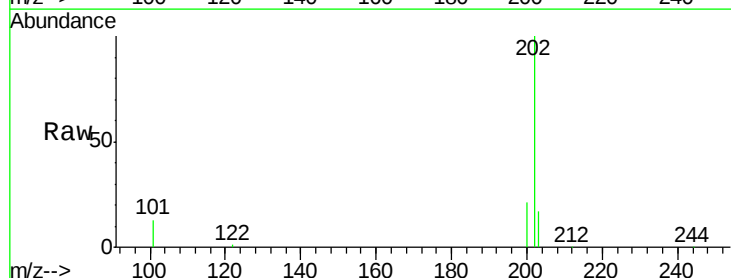
Tgt Ion:202 Resp: 135456

Ion Ratio Lower Upper

202 100

101 13.5 10.3 15.5

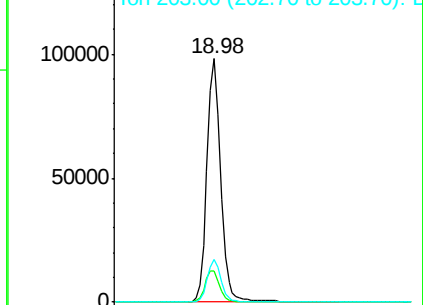
203 17.2 13.7 20.5



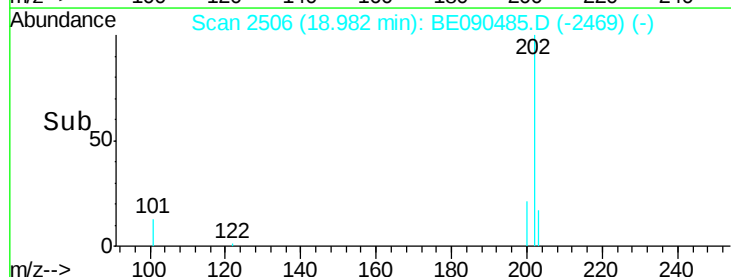
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

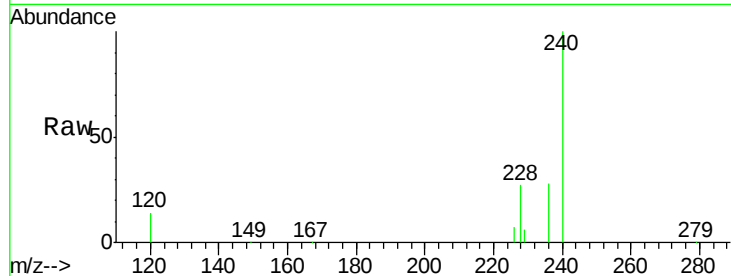
Tgt Ion:240 Resp: 147782

Ion Ratio Lower Upper

240 100

120 13.5 8.3 12.5#

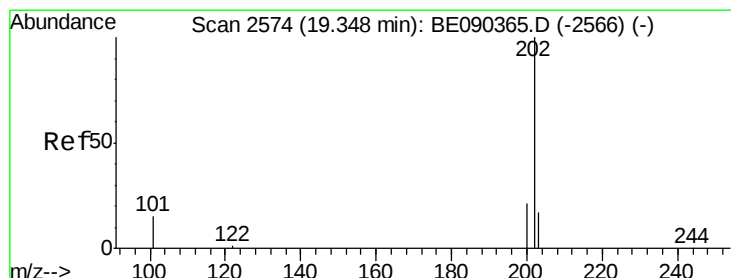
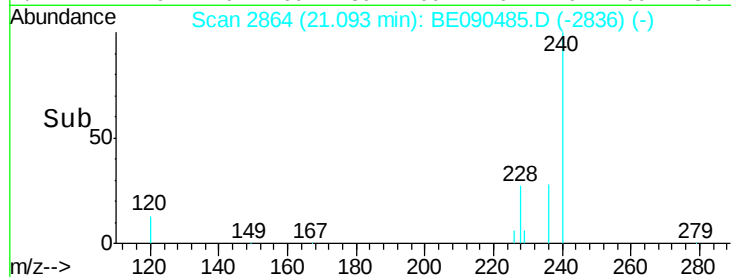
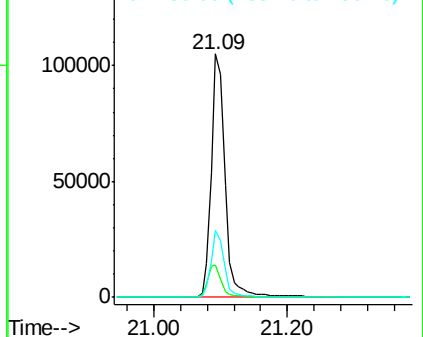
236 27.7 21.0 31.4



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: 4.63 ng

RT: 19.34 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

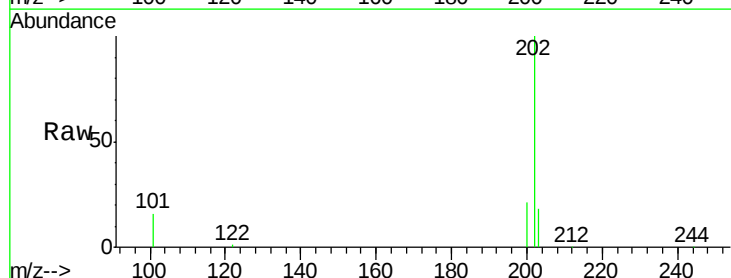
Tgt Ion:202 Resp: 148334

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

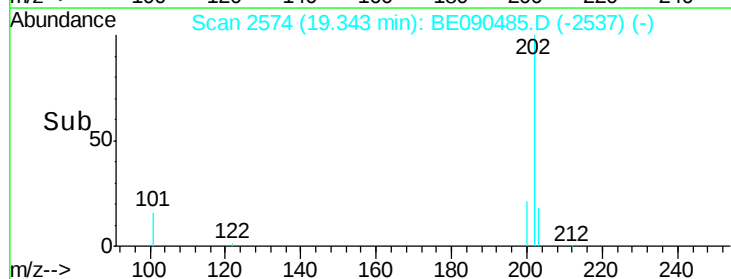
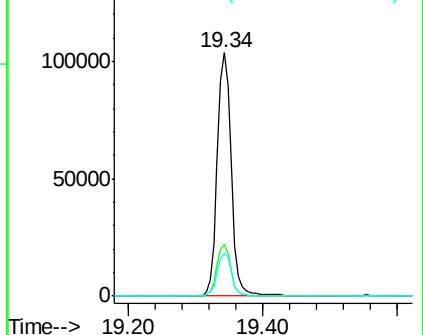
203 18.0 13.8 20.8

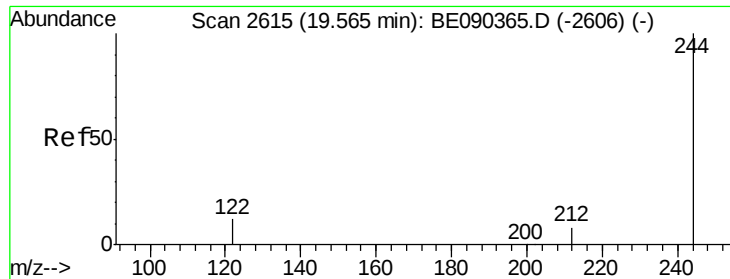


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

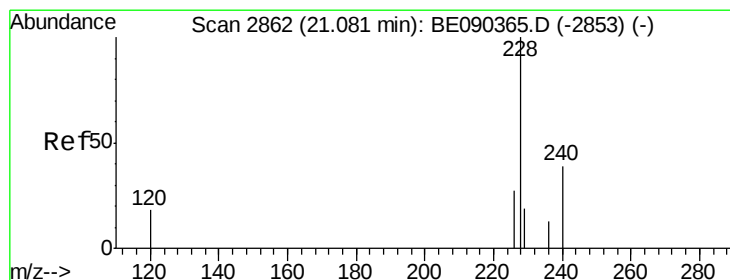
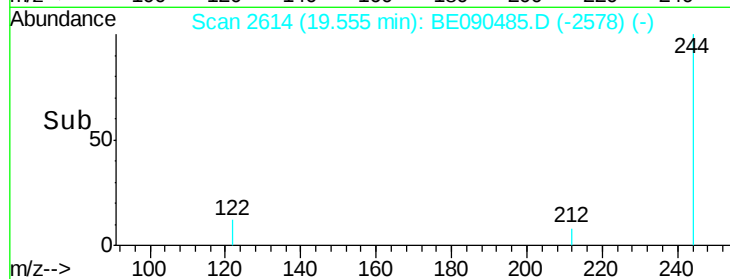
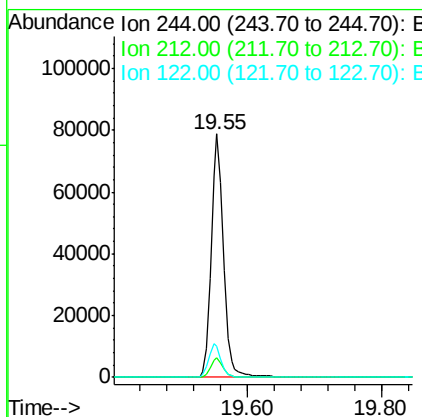
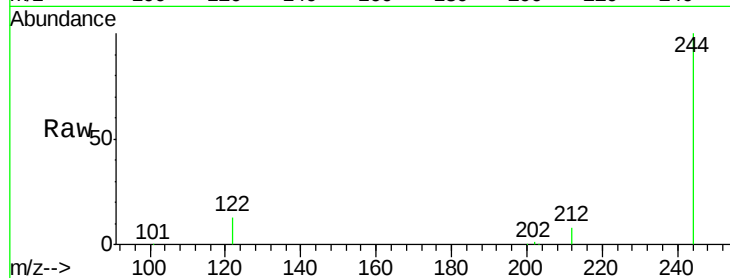




#27
 Terphenyl-d14
 Concen: 4.60 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

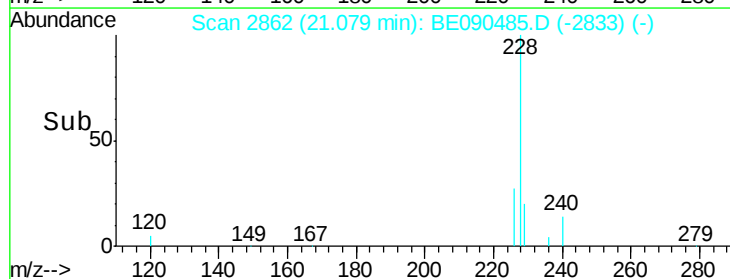
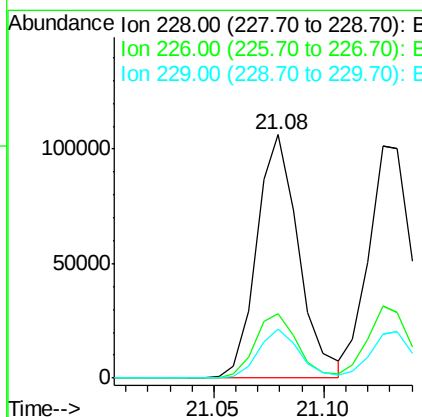
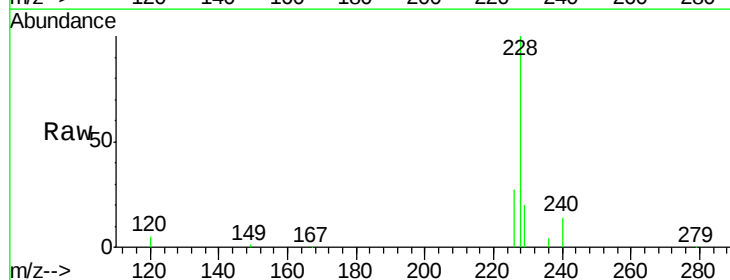
Instrument :
 BNA_E
 ClientSampleId :
 PB84969BS

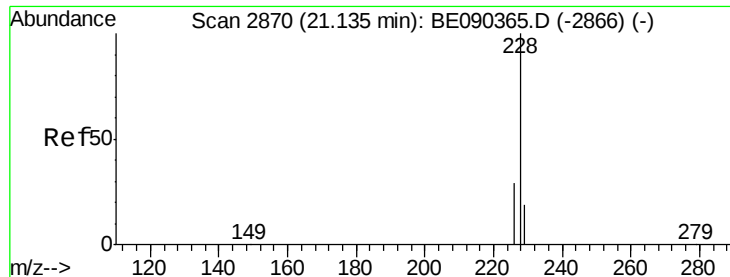
Tgt Ion: 244 Resp: 100197
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 12.5 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 4.32 ng
 RT: 21.08 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Tgt Ion: 228 Resp: 141488
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.9 32.9
 229 19.9 15.4 23.0





#29

Chrysene

Concen: 3.76 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

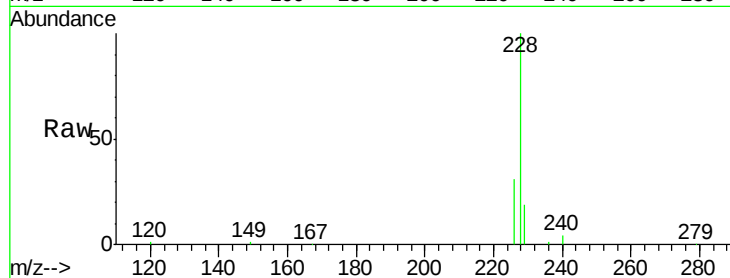
Tgt Ion:228 Resp: 148948

Ion Ratio Lower Upper

228 100

226 31.1 23.1 34.7

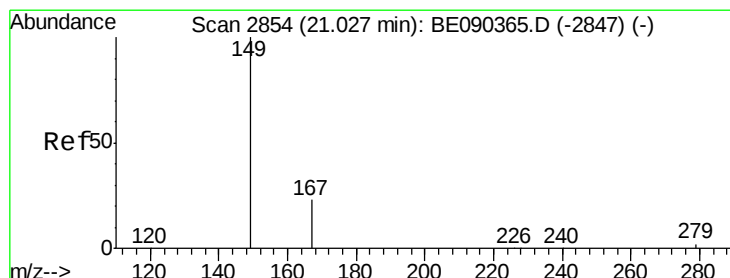
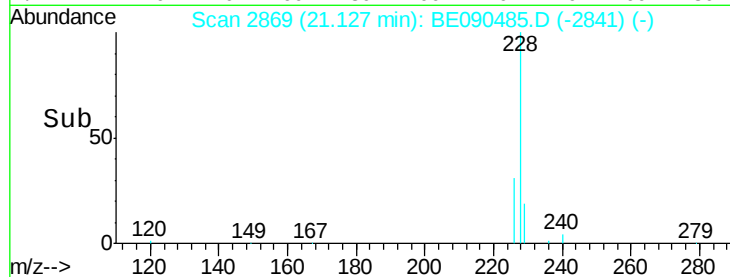
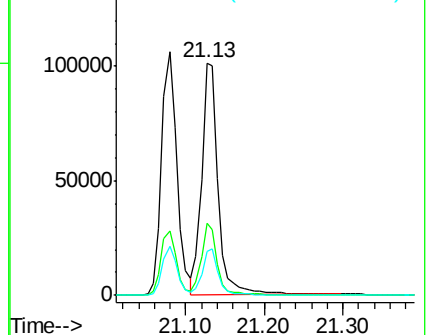
229 19.0 15.8 23.8



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: 4.51 ng

RT: 21.02 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

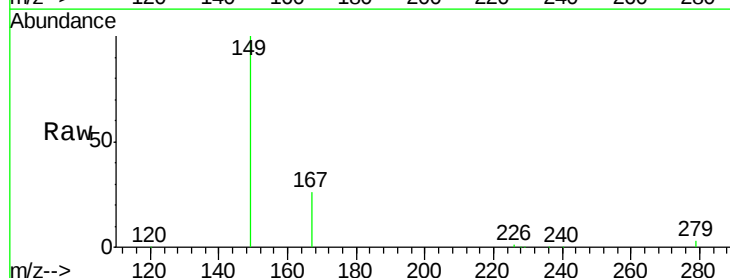
Tgt Ion:149 Resp: 51370

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

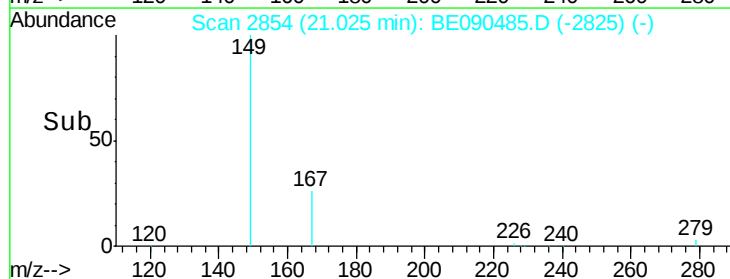
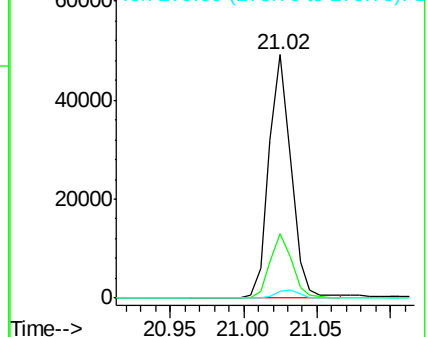
279 3.2 2.4 3.6



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: 3.50 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

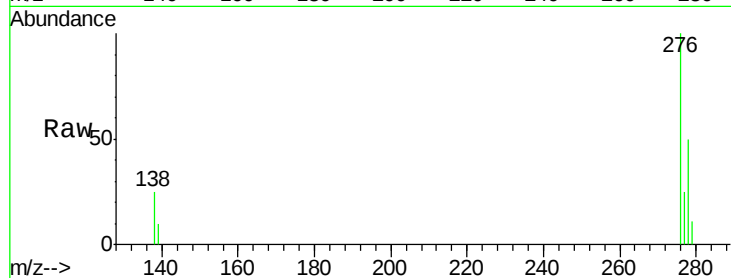
Tgt Ion: 276 Resp: 122166

Ion Ratio Lower Upper

276 100

138 26.7 18.8 28.2

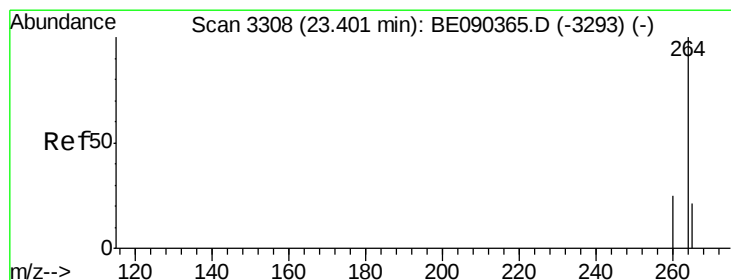
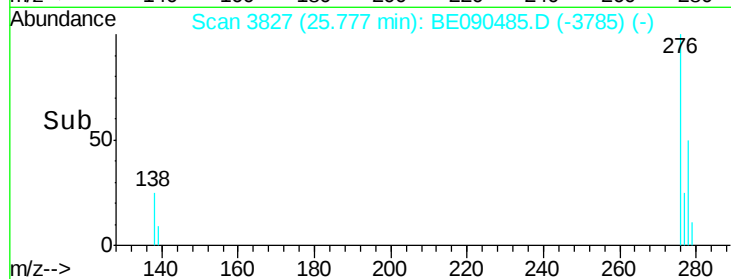
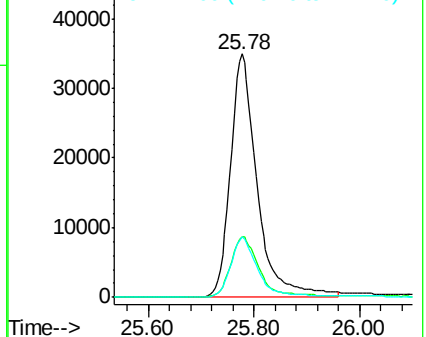
277 24.9 18.2 27.4



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: BE090485.D

Acq: 13 Aug 2015 1:59

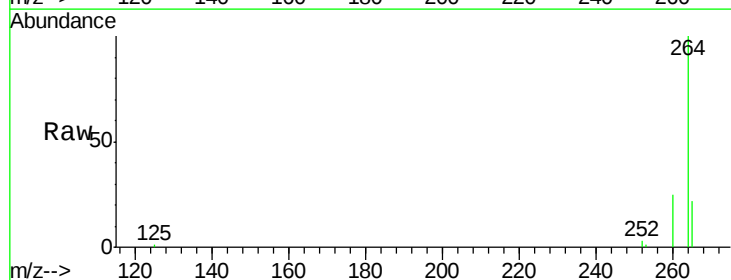
Tgt Ion: 264 Resp: 126451

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

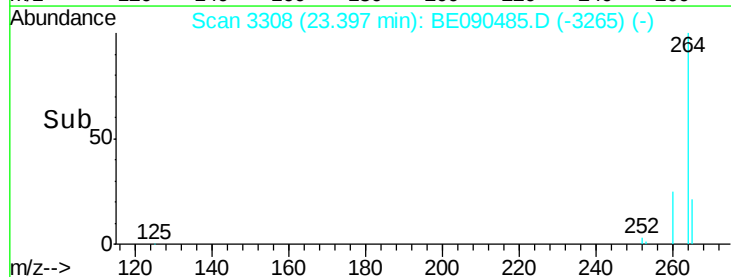
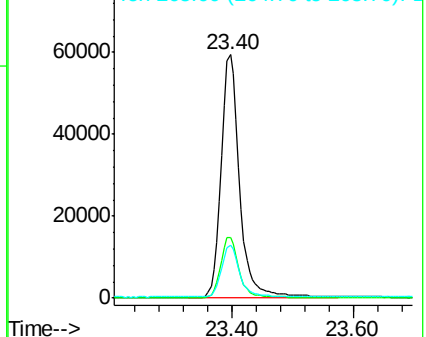
265 21.9 17.2 25.8



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: 4.17 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

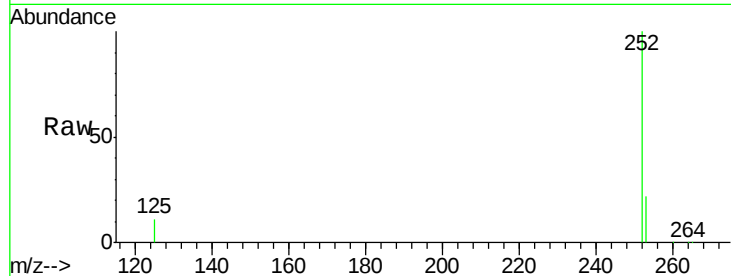
Tgt Ion:252 Resp: 118238

Ion Ratio Lower Upper

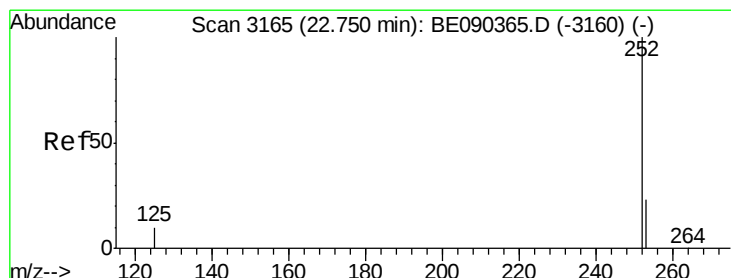
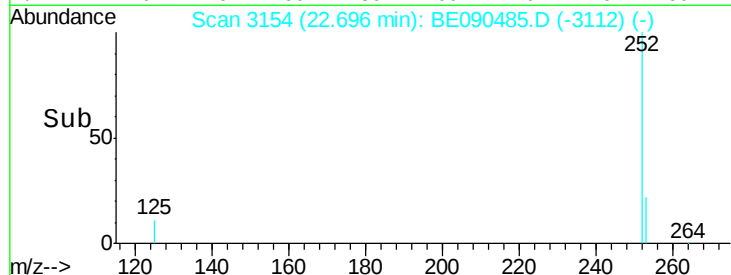
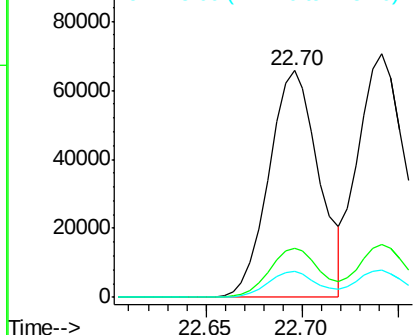
252 100

253 21.7 18.1 27.1

125 11.3 9.4 14.2



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



#34

Benzo(k)fluoranthene

Concen: 3.76 ng

RT: 22.74 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

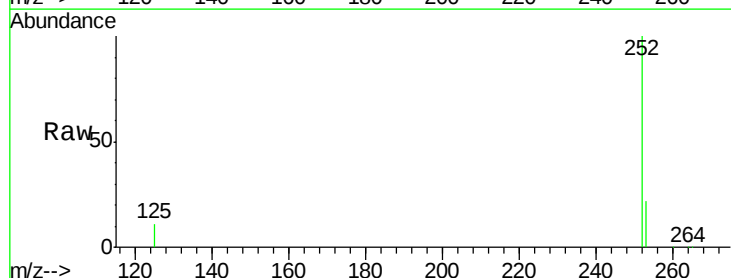
Tgt Ion:252 Resp: 132459

Ion Ratio Lower Upper

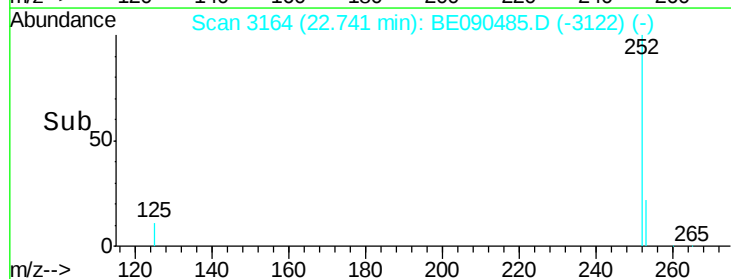
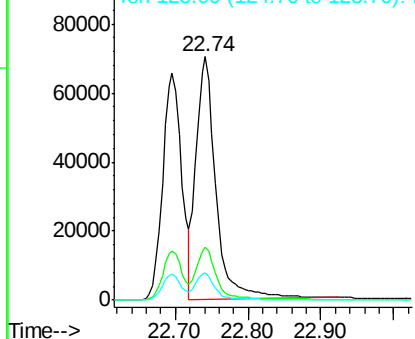
252 100

253 21.7 18.1 27.1

125 11.3 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





#35

Benzo(a)pyrene

Concen: 4.01 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS

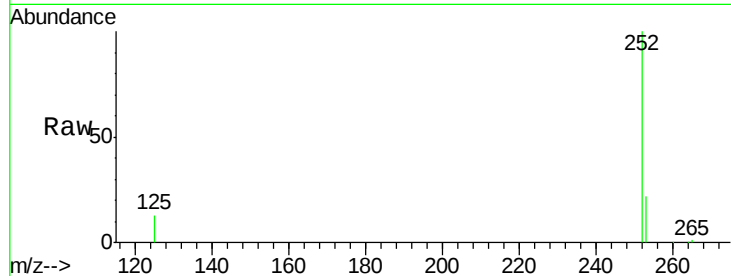
Tgt Ion: 252 Resp: 107199

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

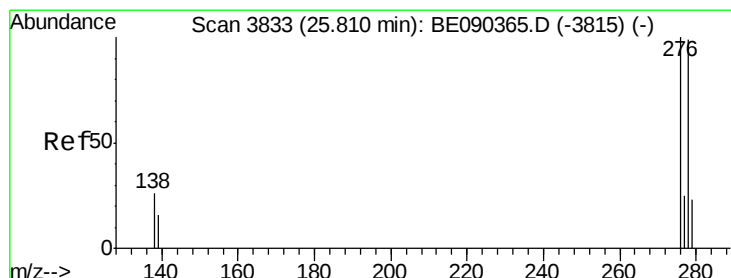
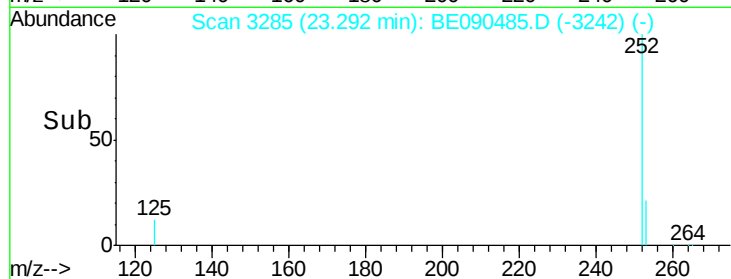
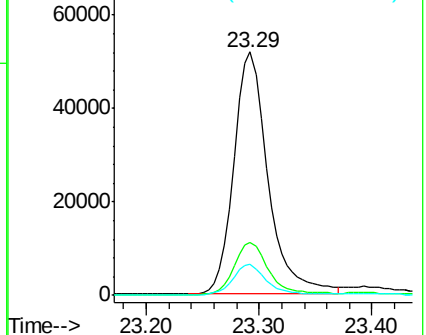
125 12.5 9.8 14.6



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: 3.77 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

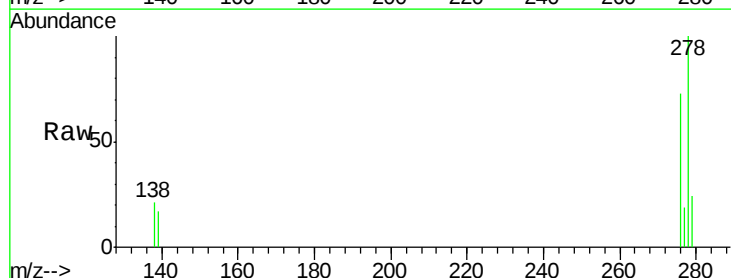
Tgt Ion: 278 Resp: 97789

Ion Ratio Lower Upper

278 100

139 16.9 14.2 21.4

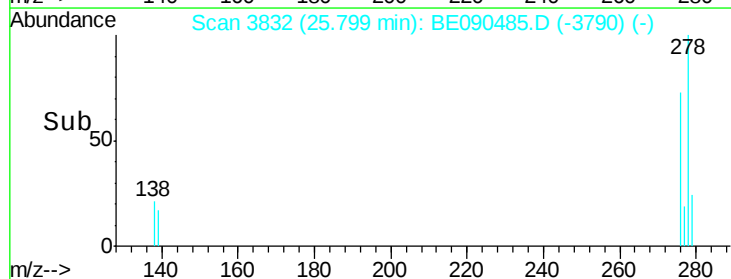
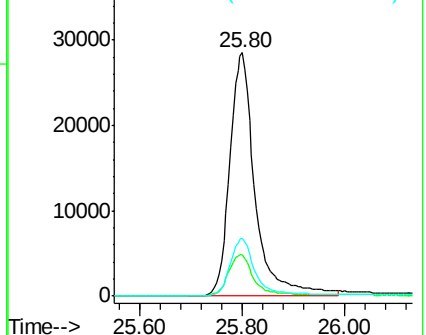
279 23.8 20.1 30.1



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: 4.65 ng

RT: 26.50 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BE090485.D

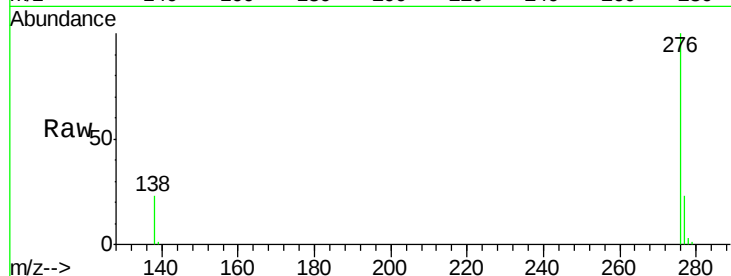
Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB84969BS



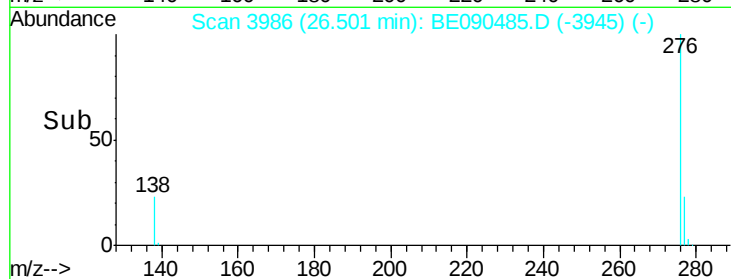
Tgt Ion: 276 Resp: 108455

Ion Ratio Lower Upper

276 100

277 23.5 20.1 30.1

138 23.1 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

