

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 :

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

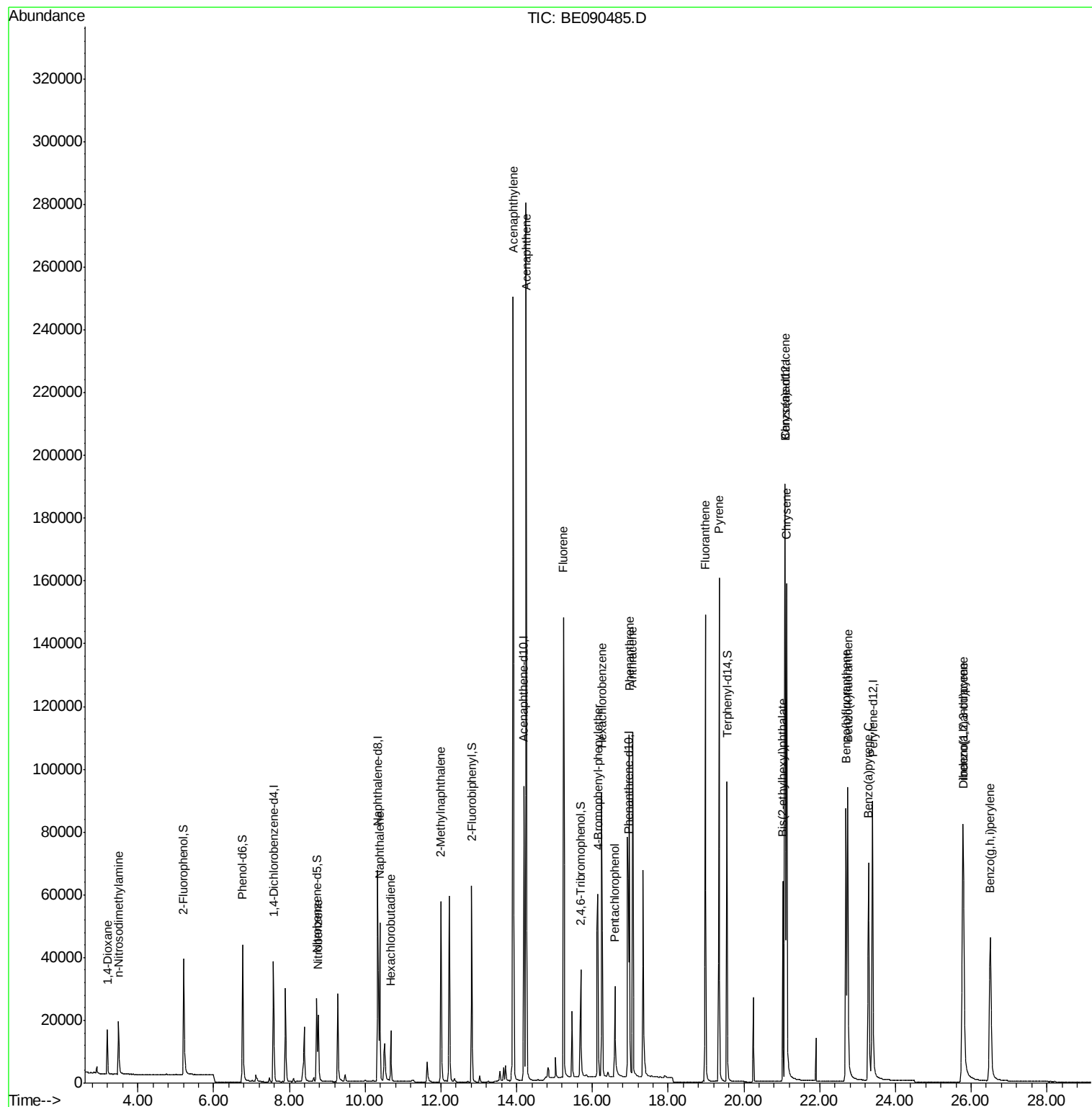
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.19	88	8256	3.61	ng	99
3) n-Nitrosodimethylamine	3.49	42	10977	3.70	ng	# 88
8) Nitrobenzene	8.76	77	25957	3.41	ng	97
9) Naphthalene	10.38	128	69102	3.50	ng	98
10) Hexachlorobutadiene	10.68	225	11419	3.81	ng	99
11) 2-Methylnaphthalene	12.00	142	45525	3.98	ng	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

ClientSampled :

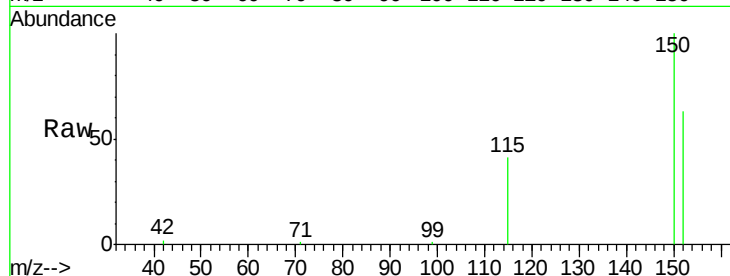
Tot Ion:152 Resp: 19201

Ion Ratio Lower Upper

152 100

150 157.5 123.0 184.4

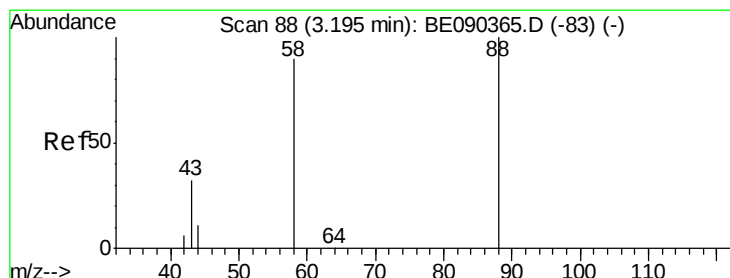
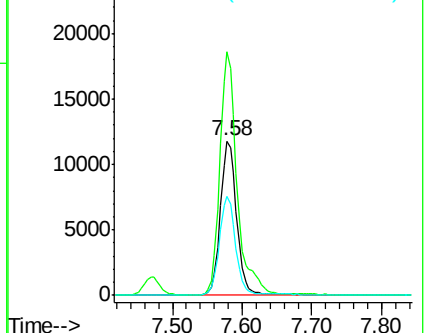
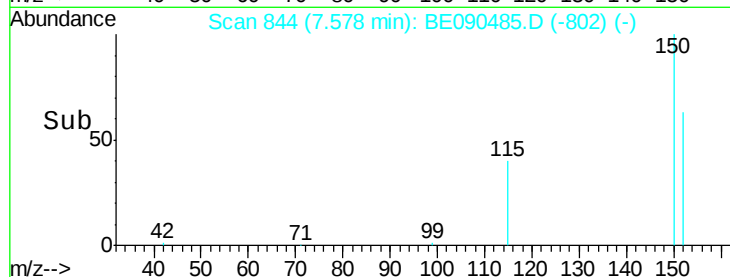
115 63.8 48.9 73.3



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

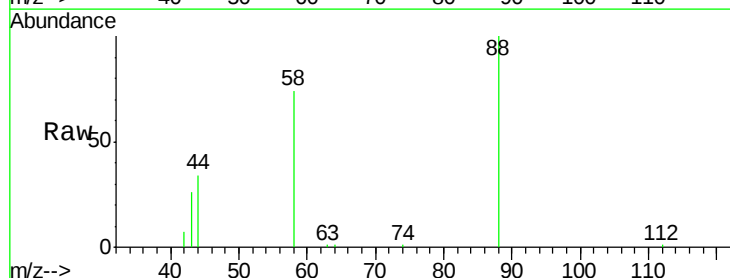
Tgt Ion: 88 Resp: 8256

Ion Ratio Lower Upper

88 100

58 87.5 70.0 105.0

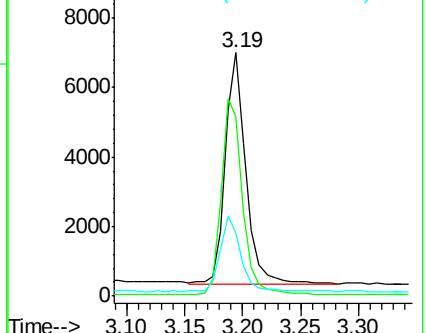
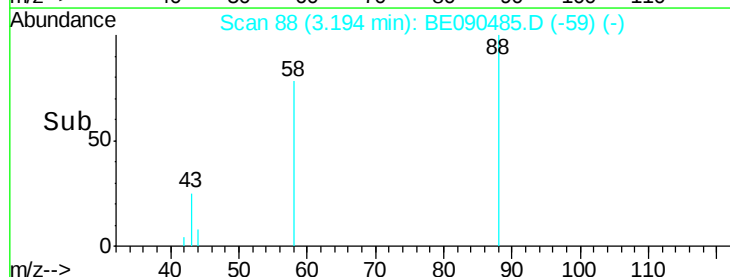
43 33.5 28.4 42.6



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



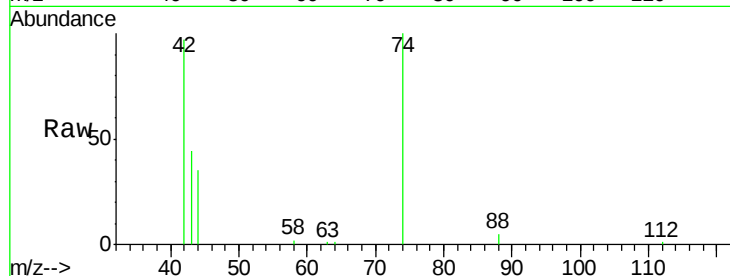


#3

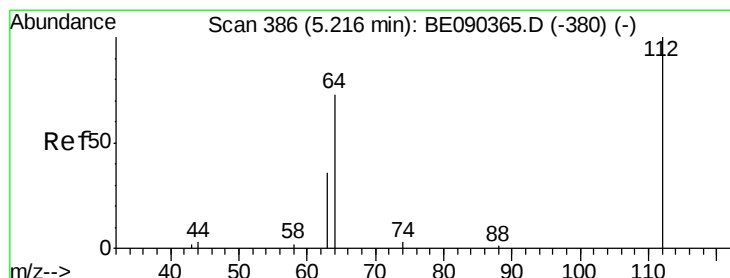
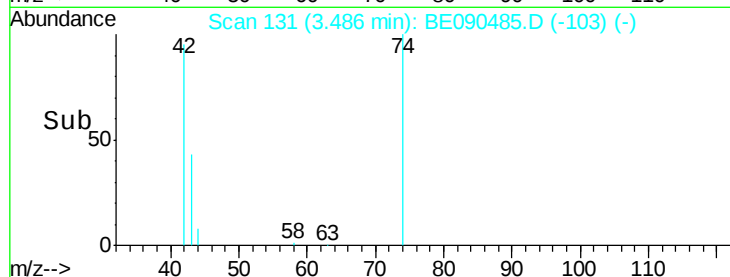
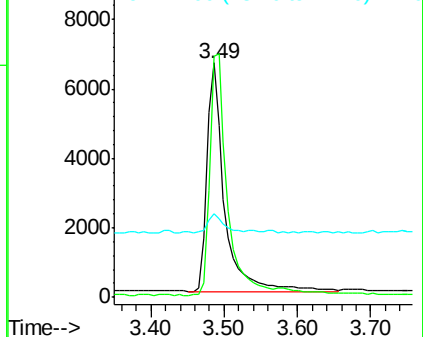
n-Nitrosodimethylamine
 Concen: 3.70 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 10977
 Ion Ratio Lower Upper
 42 100
 74 105.8 75.2 112.8
 44 7.0 8.7 13.1#



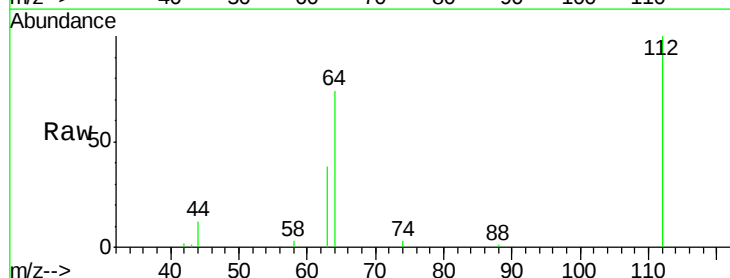
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



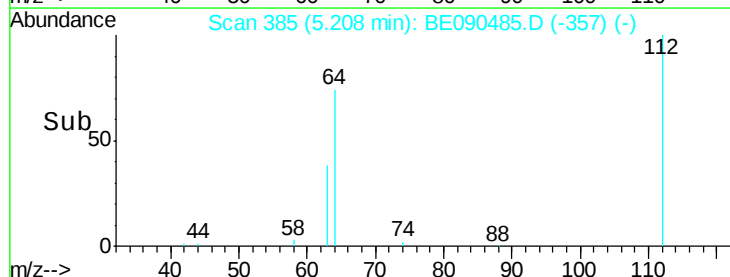
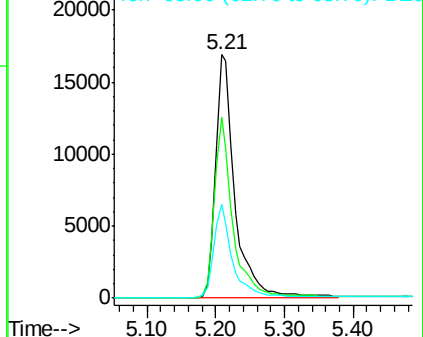
#4

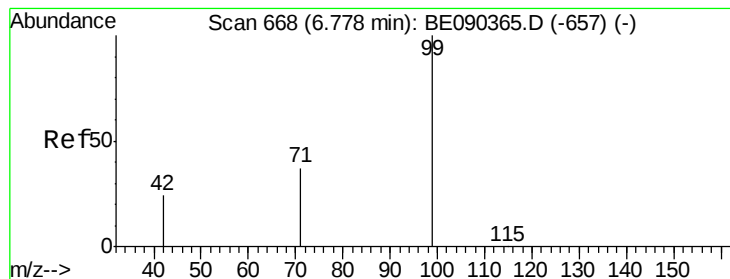
2-Fluorophenol
 Concen: 11.31 ng
 RT: 5.21 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

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): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#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 :

BNA_E

ClientSampleId :

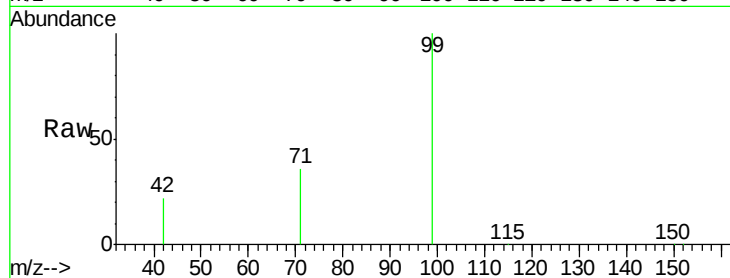
Tot Ion: 99 Resp: 53023

Ion Ratio Lower Upper

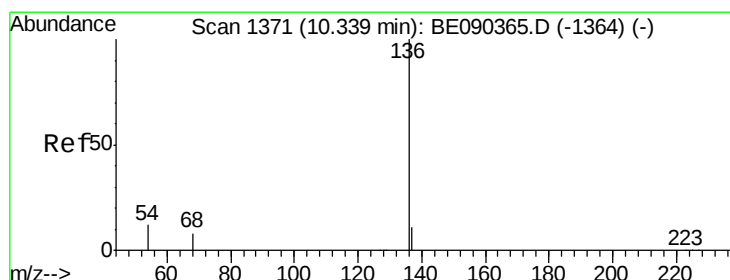
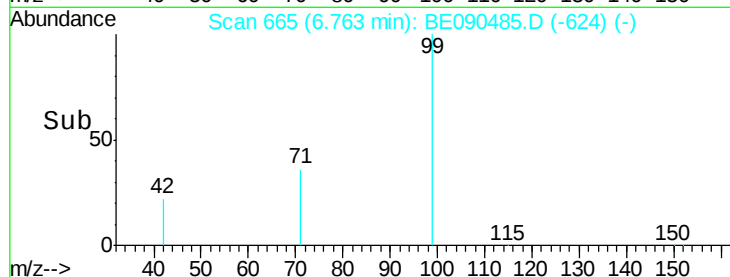
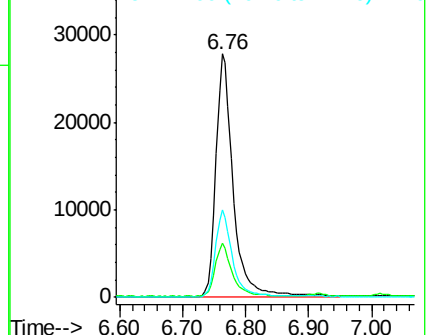
99 100

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

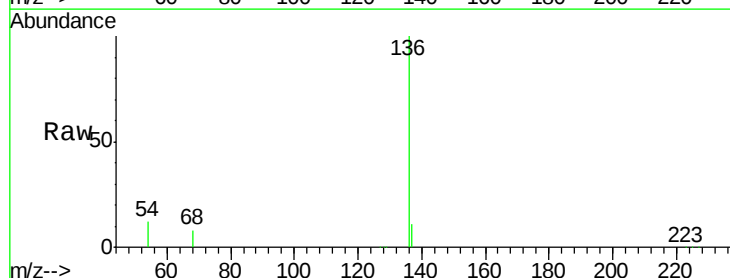
Ion Ratio Lower Upper

136 100

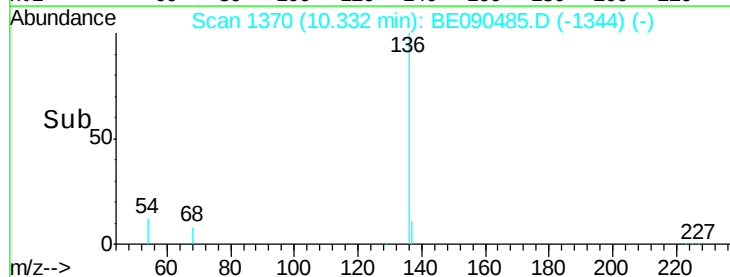
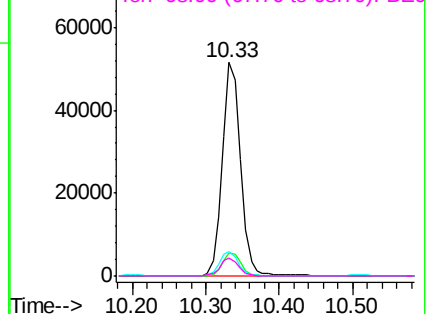
137 10.9 8.7 13.1

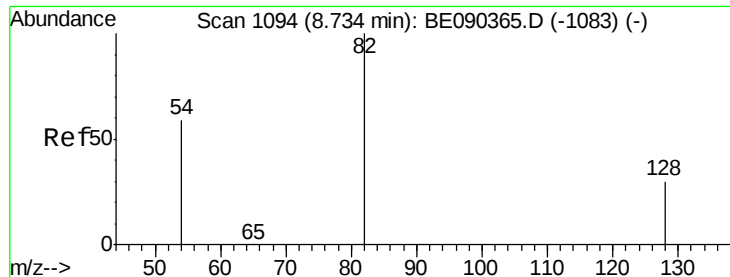
54 11.6 9.4 14.0

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

Instrument :

BNA_E

ClientSampled :

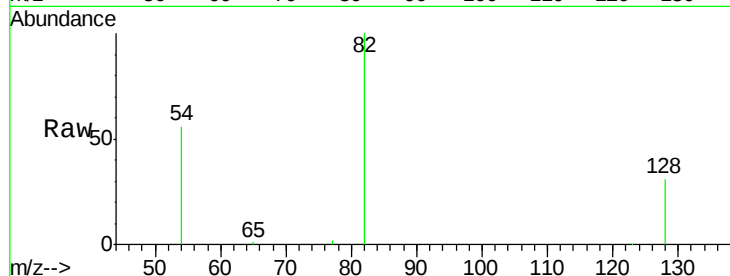
Tot Ion: 82 Resp: 25684

Ion Ratio Lower Upper

82 100

128 31.4 25.0 37.6

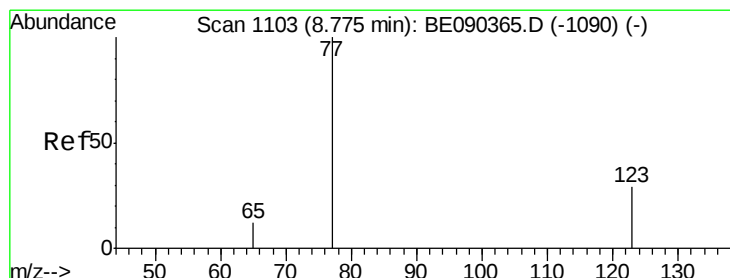
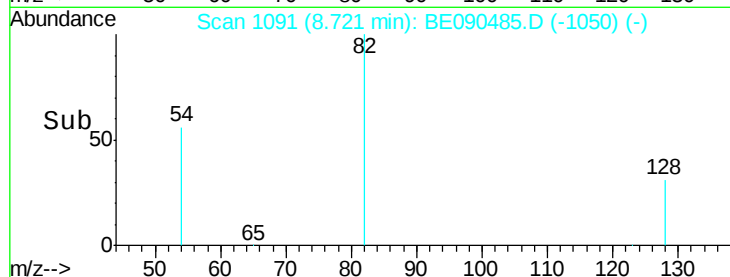
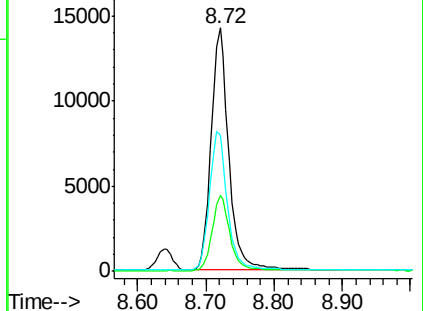
54 55.9 48.8 73.2



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

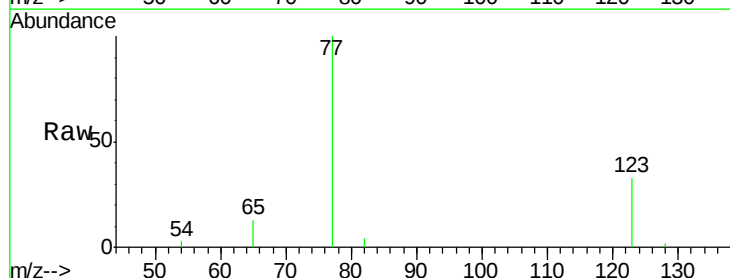
Tgt Ion: 77 Resp: 25957

Ion Ratio Lower Upper

77 100

123 32.9 25.1 37.7

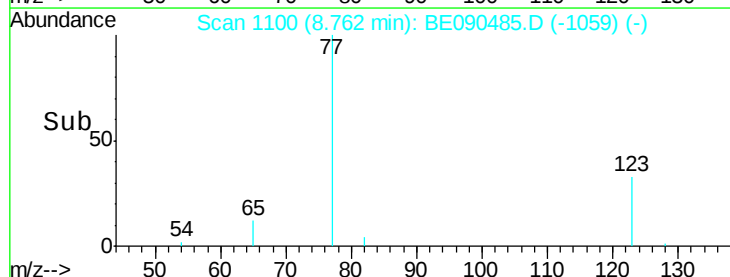
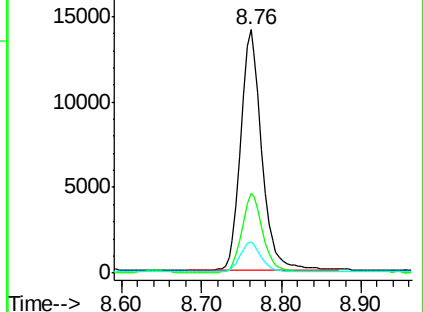
65 12.5 9.3 13.9

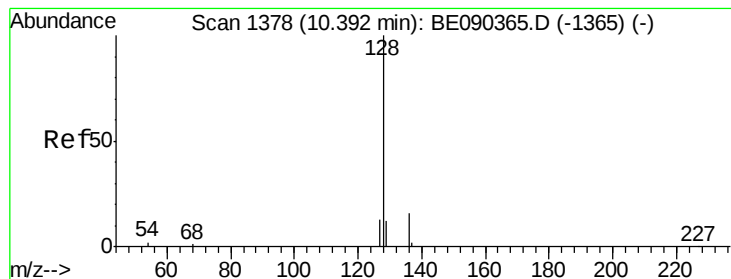


Abundance Ion 77.00 (76.70 to 77.70): BE0

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

Lab File: BE090485.D

Acq: 13 Aug 2015 1:59

Instrument :

BNA_E

ClientSampled :

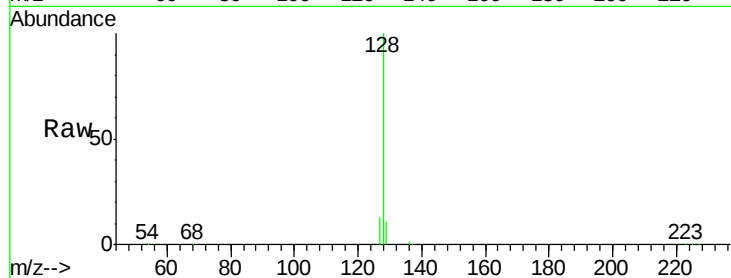
Tot Ion:128 Resp: 69102

Ion Ratio Lower Upper

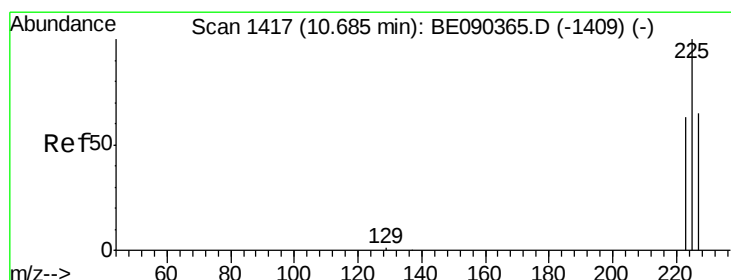
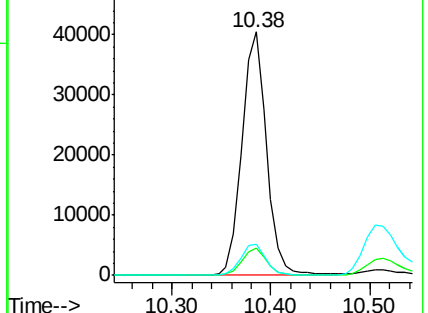
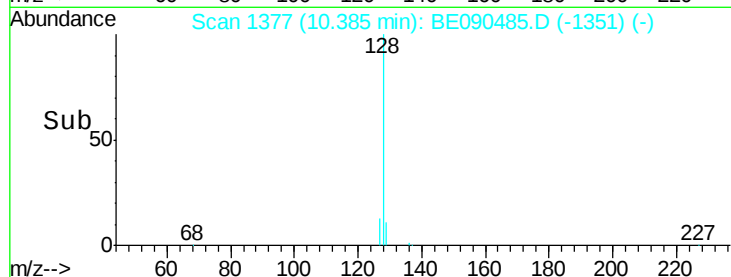
128 100

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

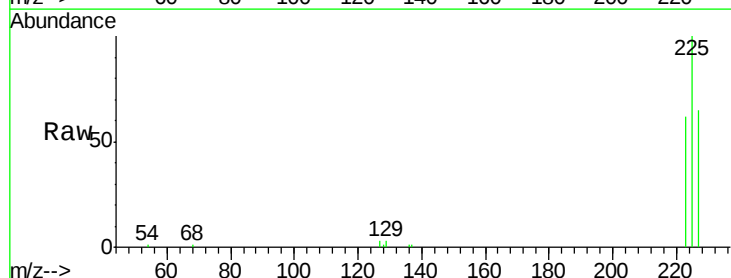
Tgt Ion:225 Resp: 11419

Ion Ratio Lower Upper

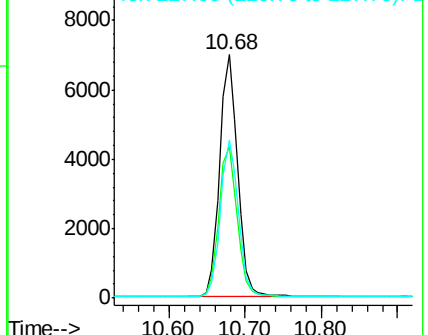
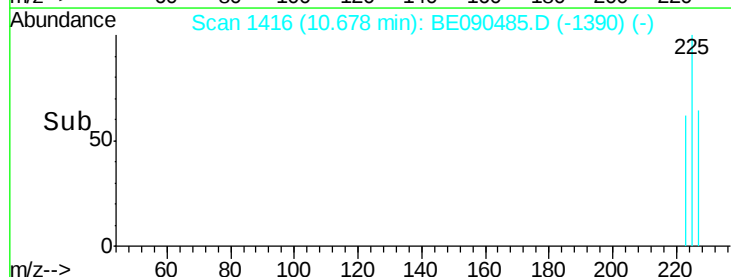
225 100

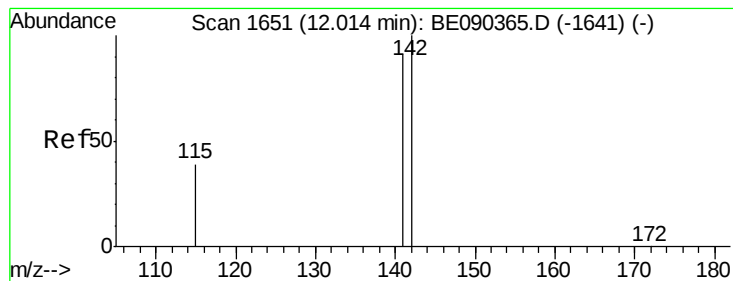
223 63.1 50.6 75.8

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

Instrument :

BNA_E

ClientSampleId :

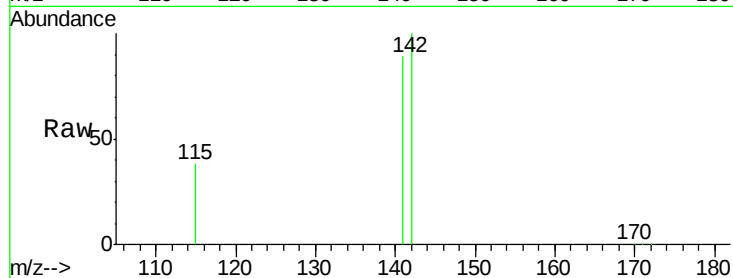
Tot Ion:142 Resp: 45525

Ion Ratio Lower Upper

142 100

141 88.9 72.6 109.0

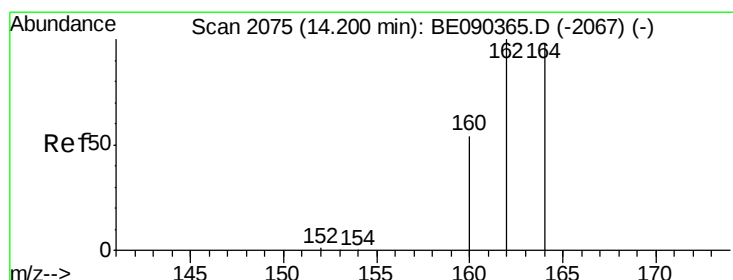
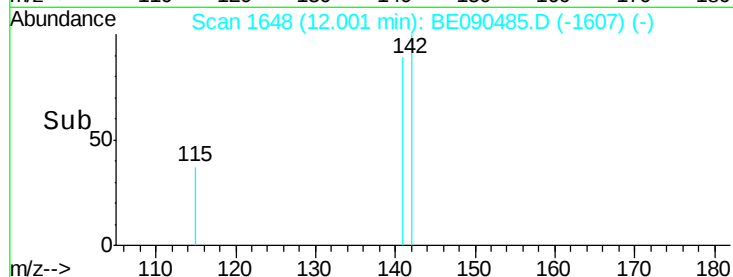
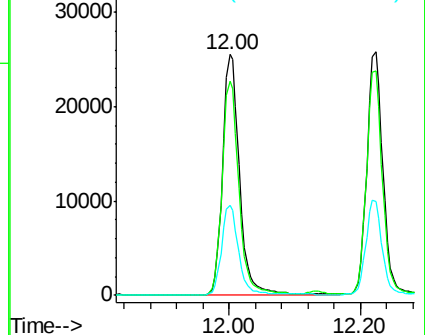
115 37.5 31.6 47.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#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

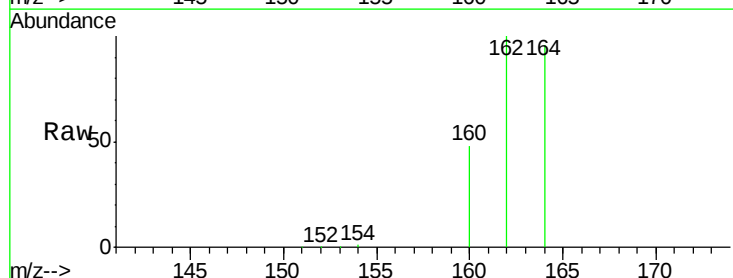
Tgt Ion:164 Resp: 52550

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

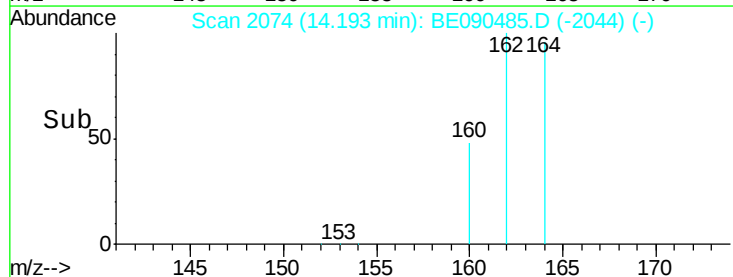
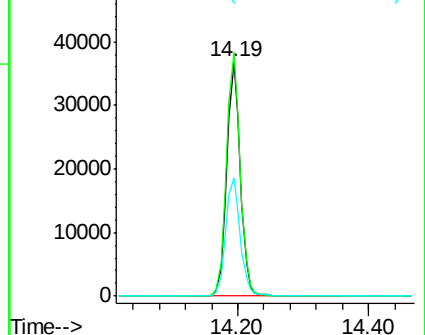
160 50.3 44.2 66.4

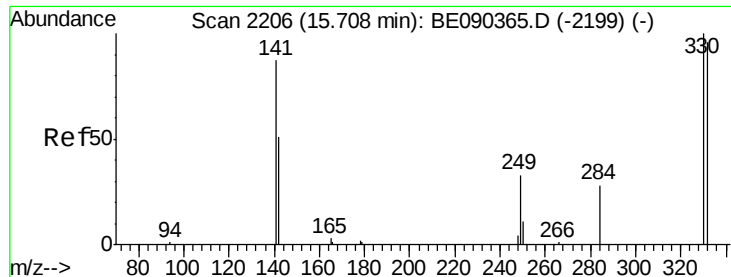


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

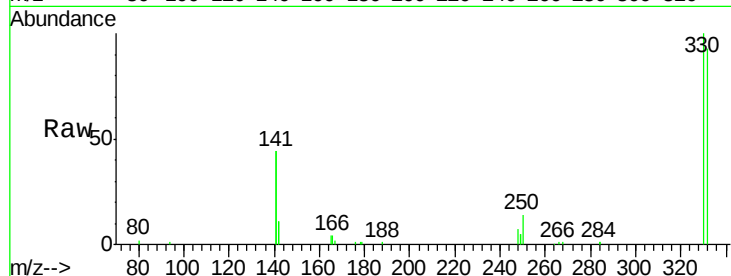




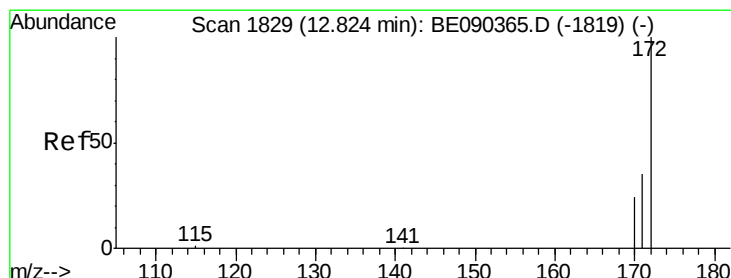
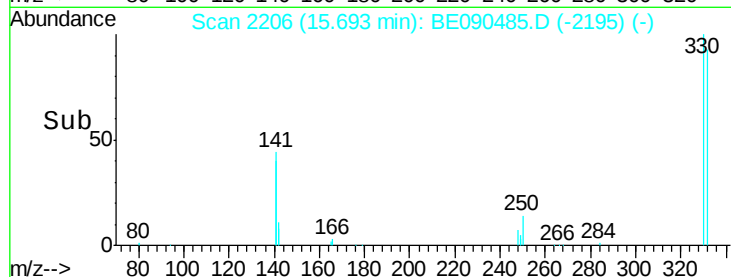
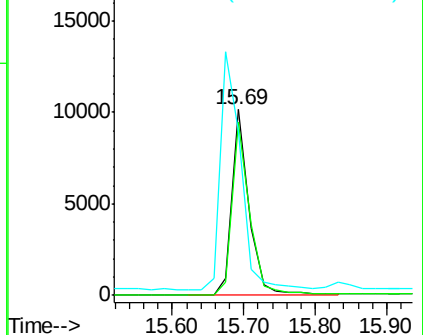
#13
 2,4,6-Tribromophenol
 Concen: 9.41 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :

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

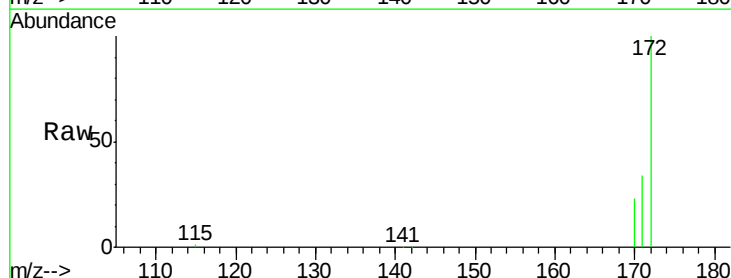


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

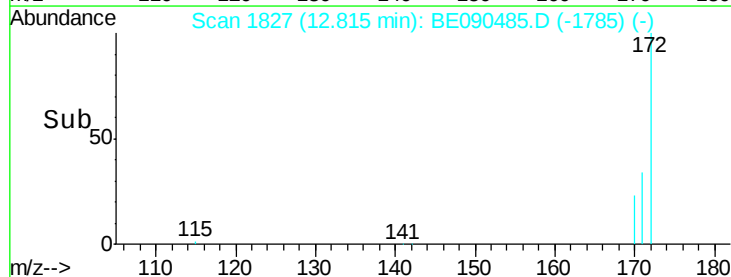
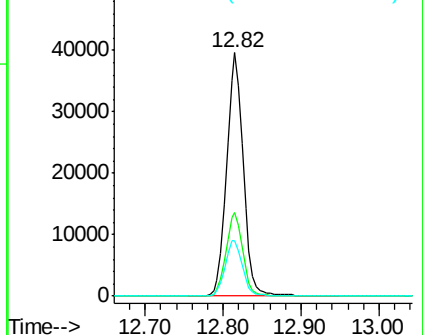


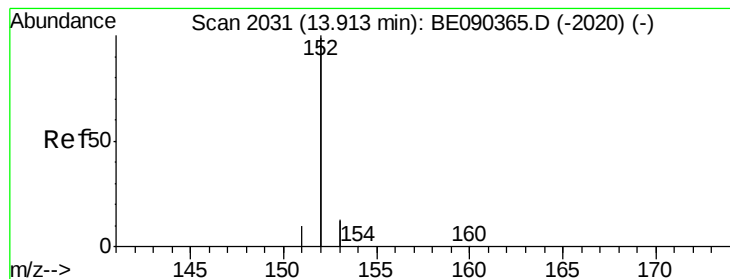
#14
 2-Fluorobiphenyl
 Concen: 4.06 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

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 :

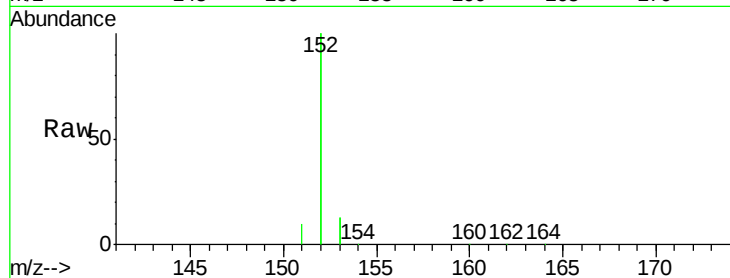
Tot Ion:152 Resp: 328232

Ion Ratio Lower Upper

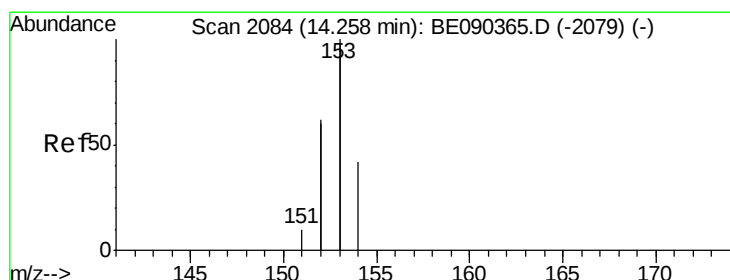
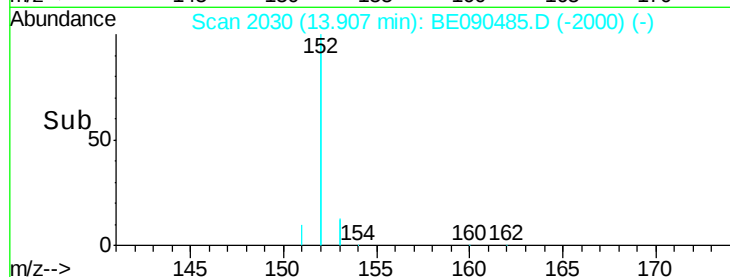
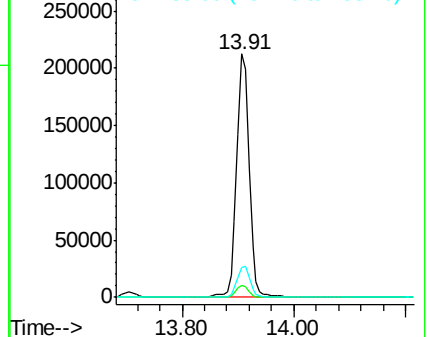
152 100

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



#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

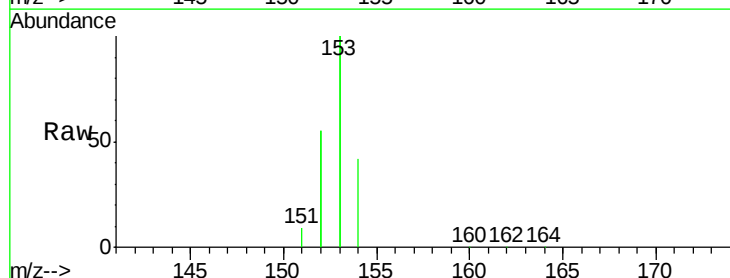
Tgt Ion:154 Resp: 48502

Ion Ratio Lower Upper

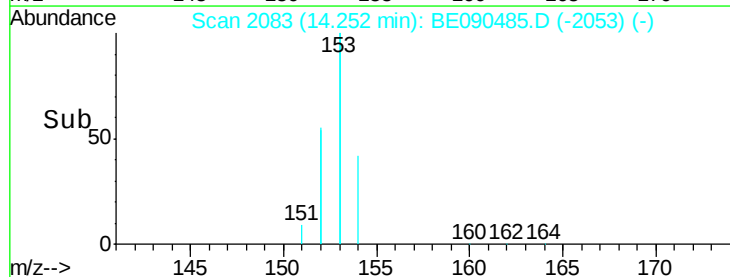
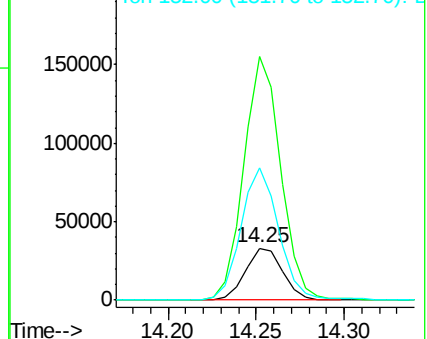
154 100

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

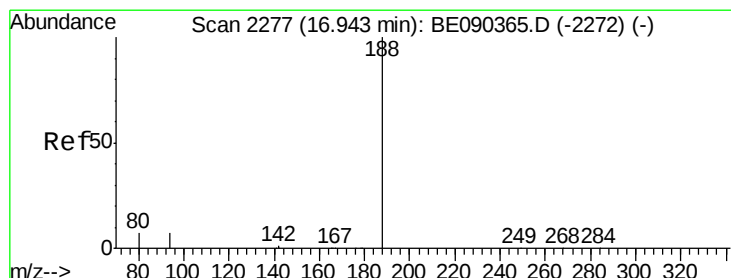
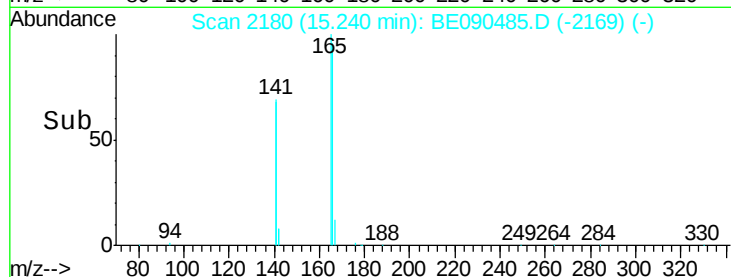
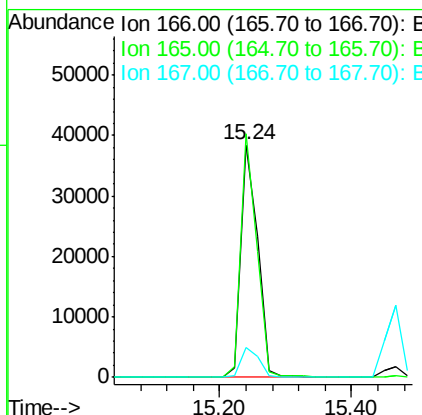
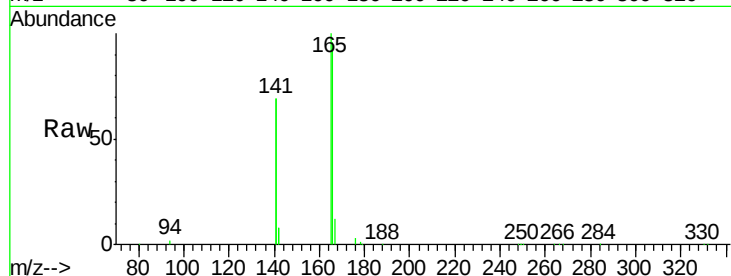




#17
Fluorene
 Concen: 3.94 ng
 RT: 15.24 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

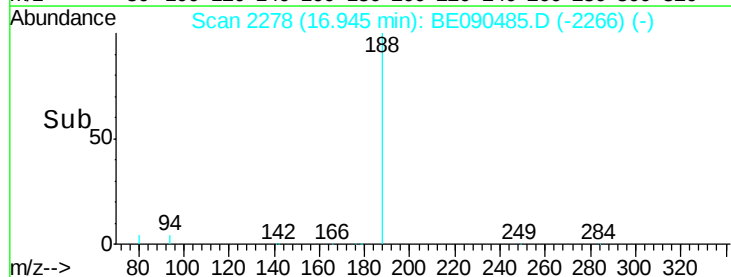
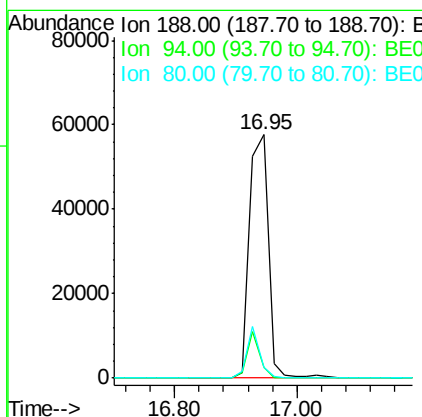
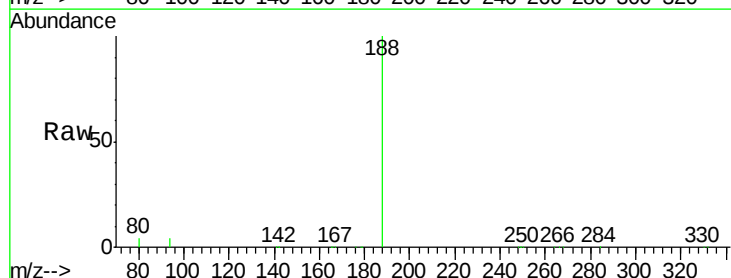
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:166 Resp: 67767
 Ion Ratio Lower Upper
 166 100
 165 99.5 81.5 122.3
 167 13.4 11.4 17.0



#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#





#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 :

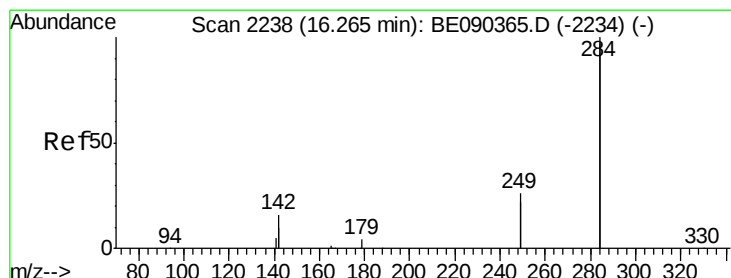
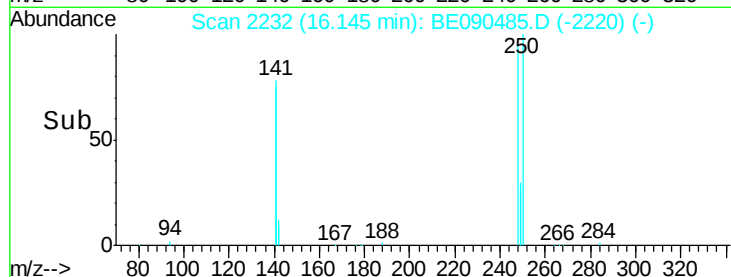
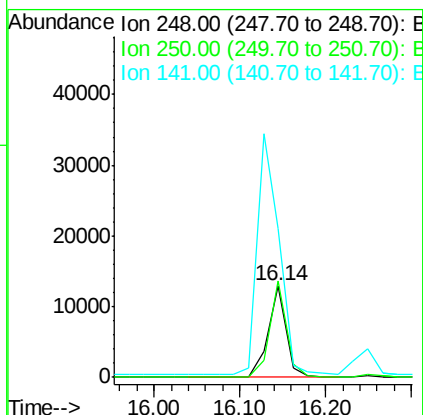
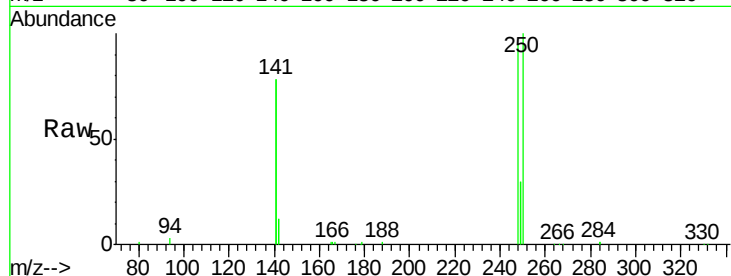
Tot Ion:248 Resp: 18952

Ion Ratio Lower Upper

248 100

250 99.4 79.0 118.6

141 317.3 239.5 359.3



#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

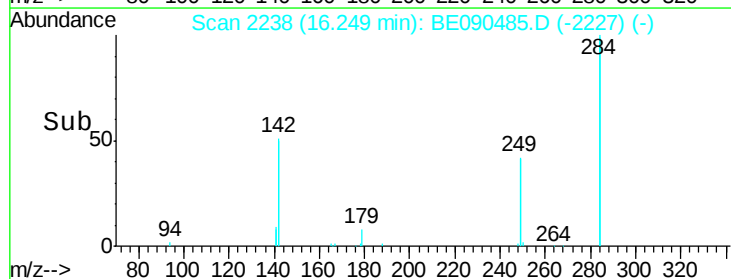
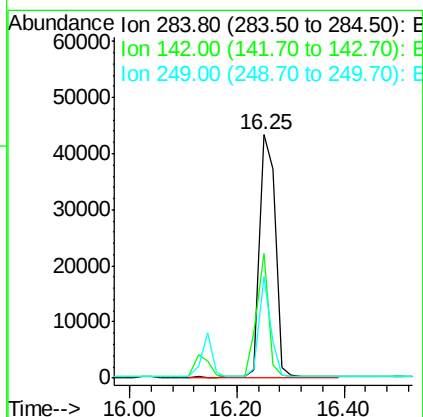
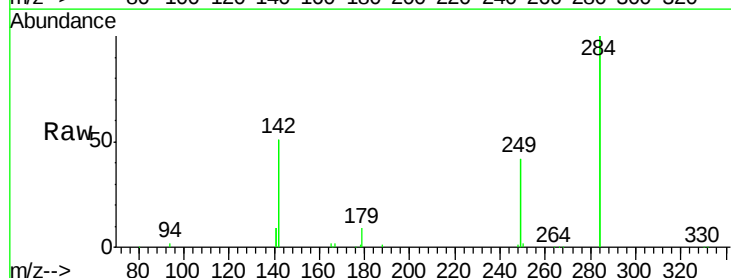
Tgt Ion:284 Resp: 87523

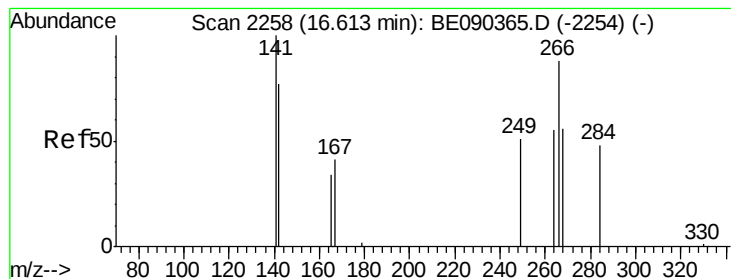
Ion Ratio Lower Upper

284 100

142 38.4 30.1 45.1

249 30.9 25.7 38.5





#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 :

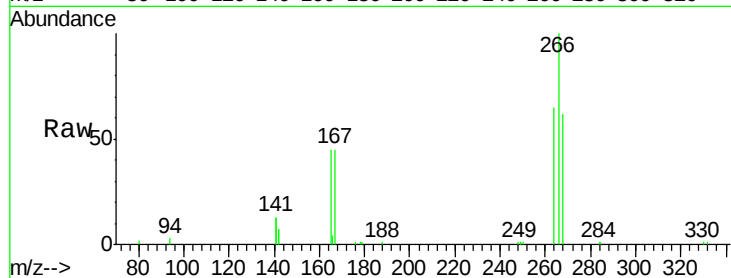
Tot Ion:266 Resp: 16445

Ion Ratio Lower Upper

266 100

268 62.0 58.5 87.7

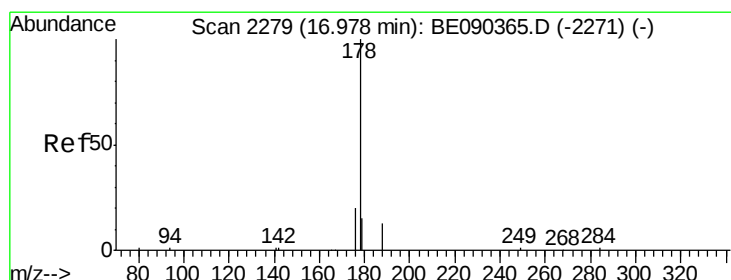
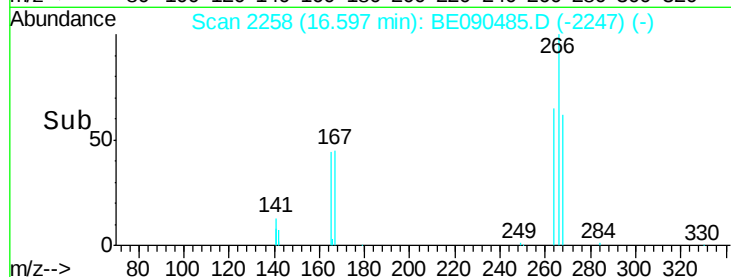
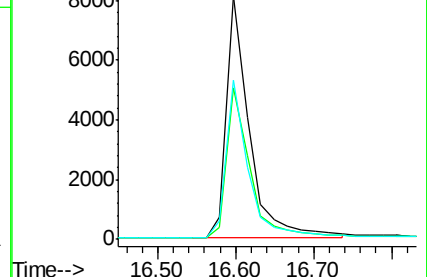
264 65.4 56.0 84.0



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: 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

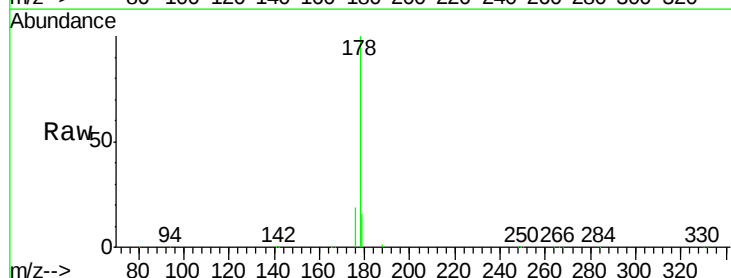
Tgt Ion:178 Resp: 119363

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

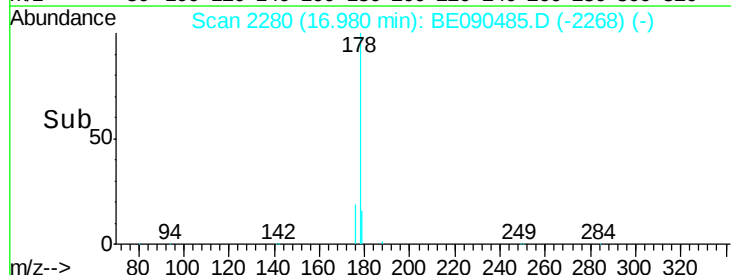
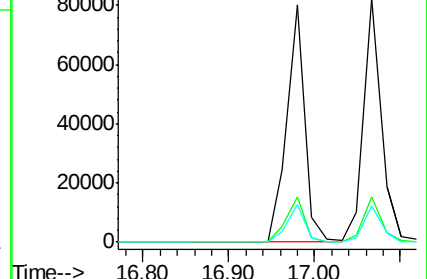
179 15.5 12.5 18.7



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





#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 :

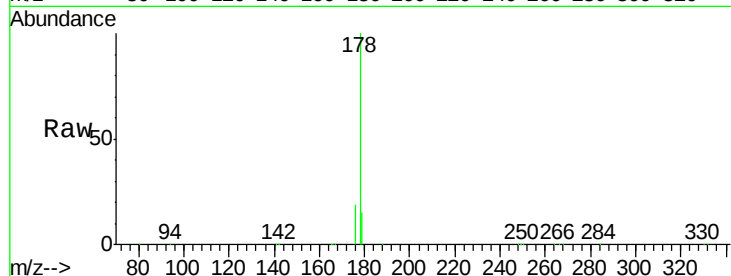
Tot Ion:178 Resp: 119201

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

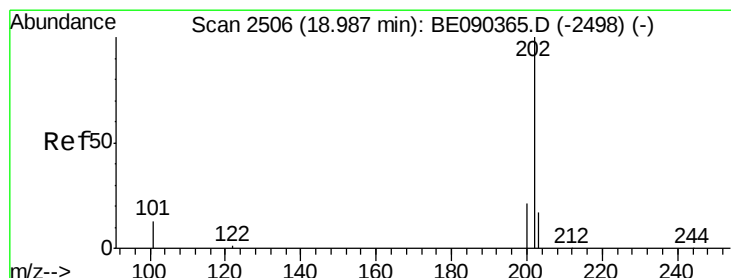
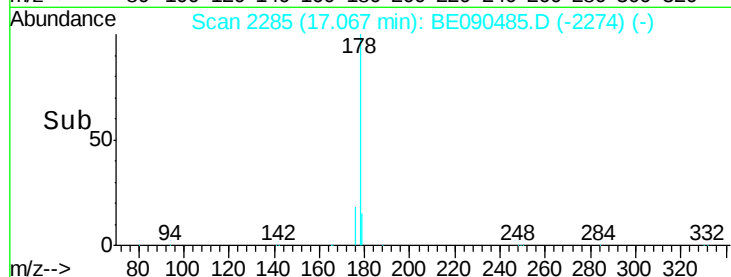
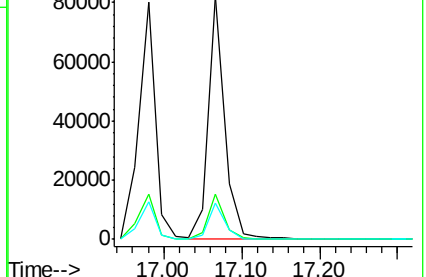
179 15.2 12.2 18.4



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



#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

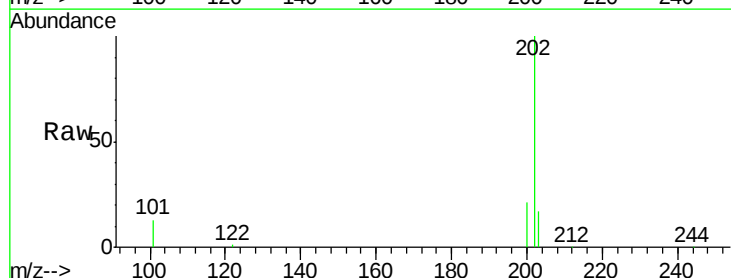
Tgt Ion:202 Resp: 135456

Ion Ratio Lower Upper

202 100

101 13.5 10.3 15.5

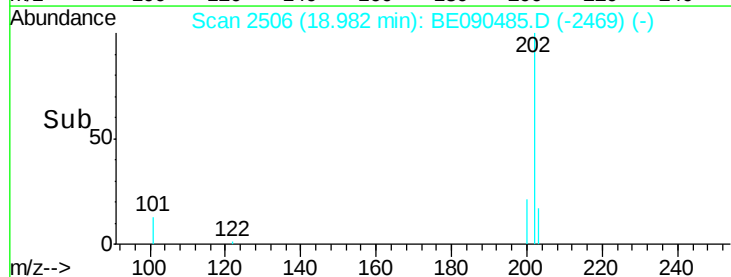
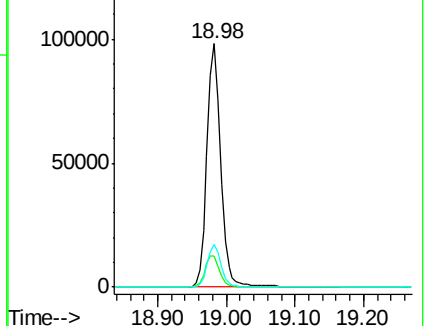
203 17.2 13.7 20.5



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





#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 :

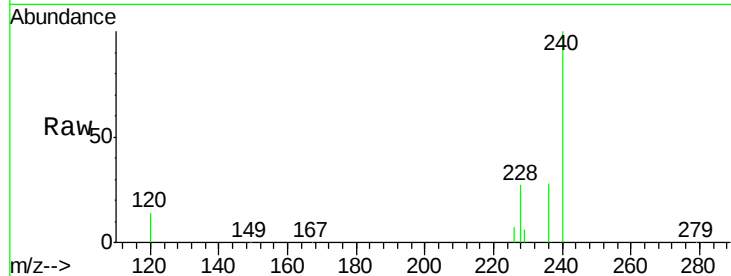
Tot Ion:240 Resp: 147782

Ion Ratio Lower Upper

240 100

120 13.5 8.3 12.5#

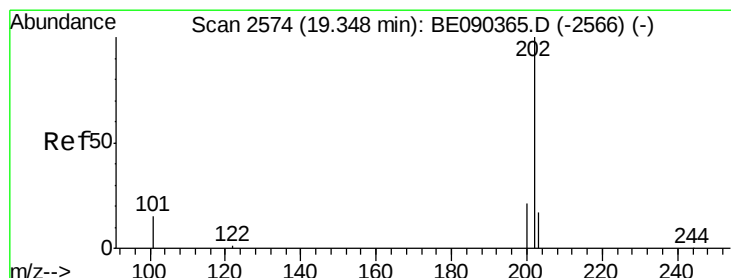
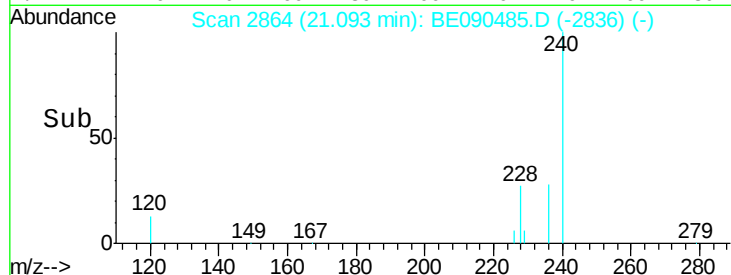
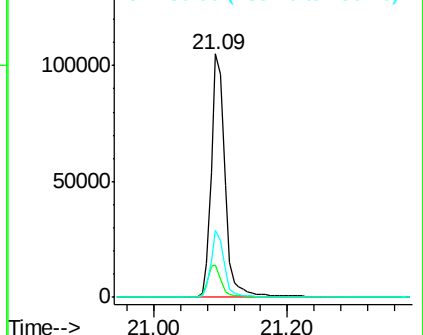
236 27.7 21.0 31.4



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

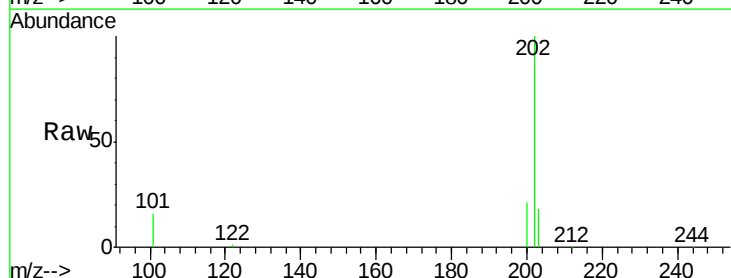
Tgt Ion:202 Resp: 148334

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

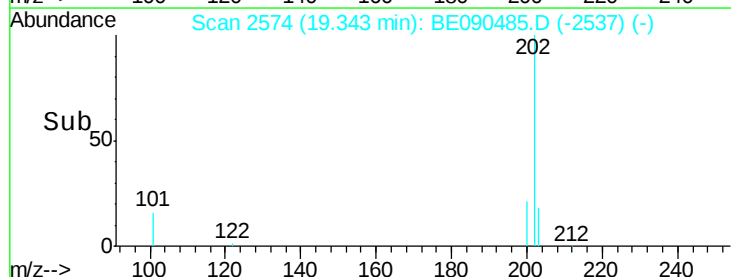
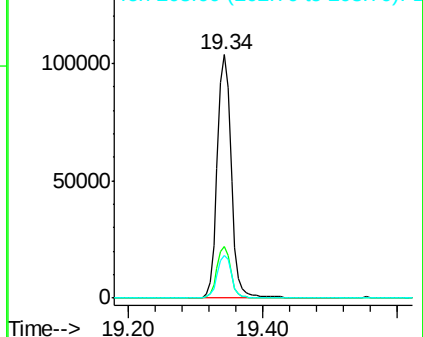
203 18.0 13.8 20.8



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

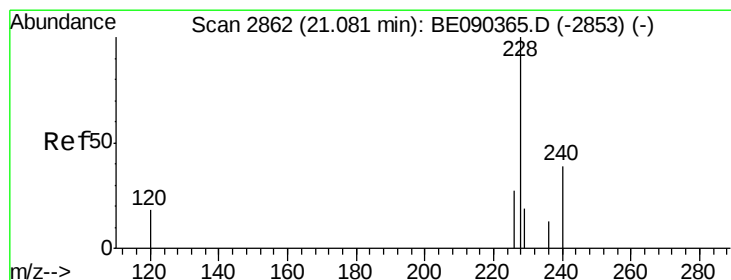
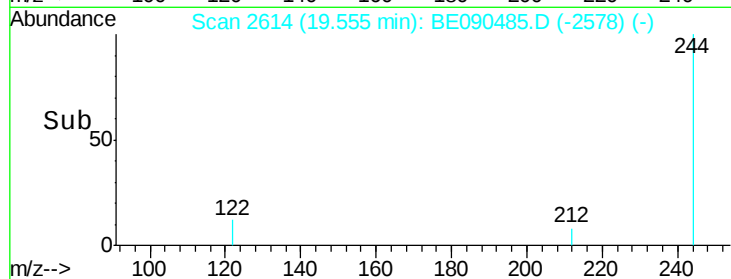
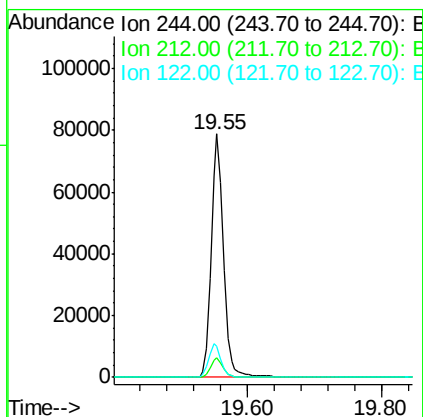
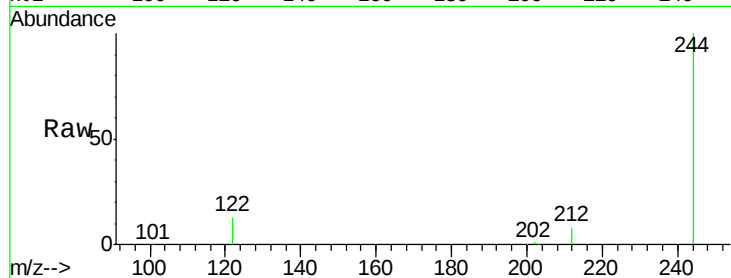




#27
 Terphenyl-d14
 Concen: 4.60 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

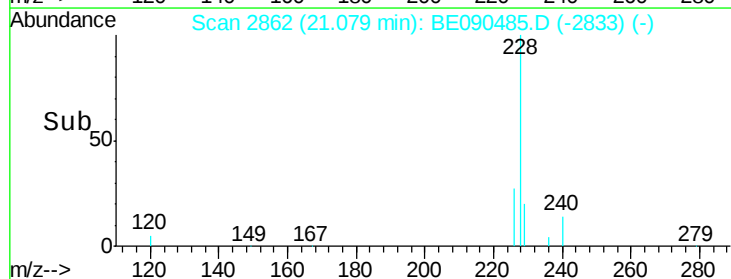
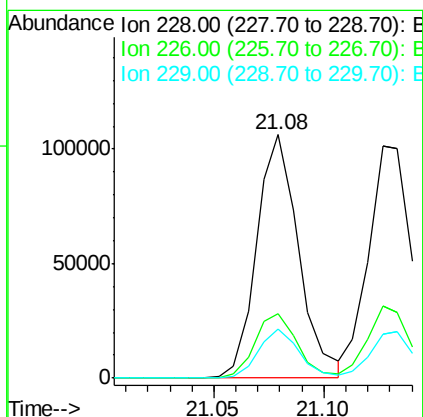
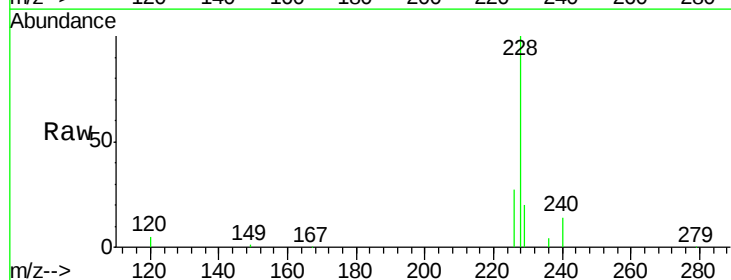
Instrument :
 BNA_E
 ClientSampled :

Tot 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 :

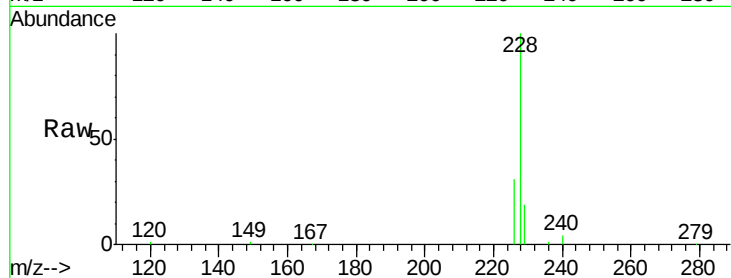
Tot Ion:228 Resp: 148948

Ion Ratio Lower Upper

228 100

226 31.1 23.1 34.7

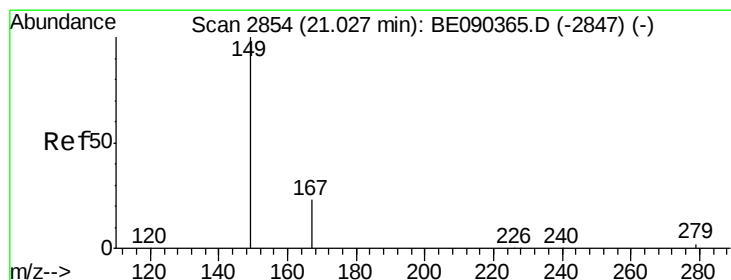
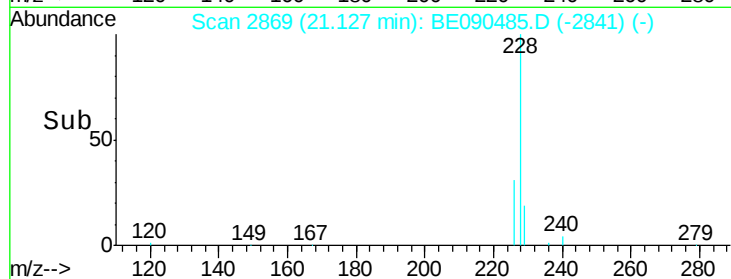
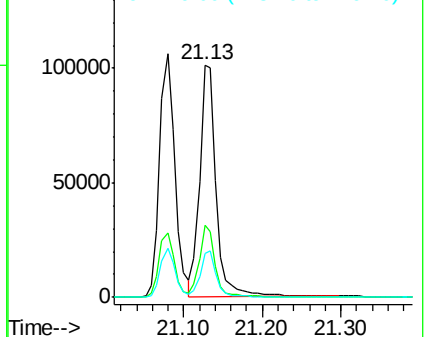
229 19.0 15.8 23.8



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

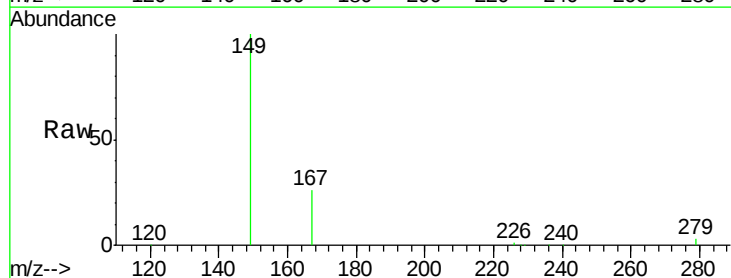
Tgt Ion:149 Resp: 51370

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

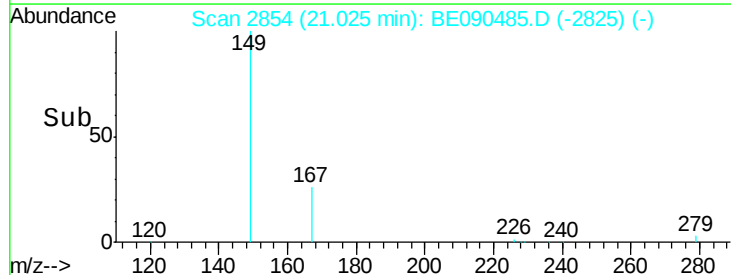
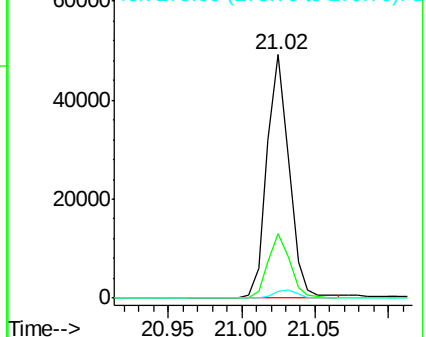
279 3.2 2.4 3.6

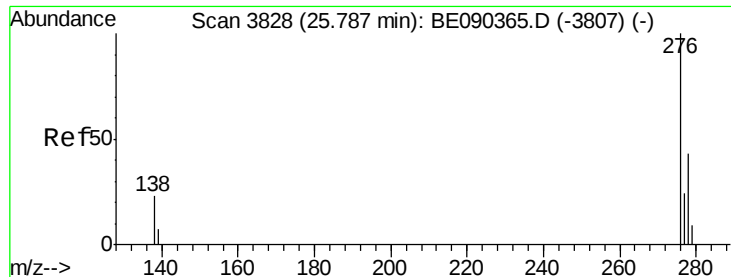


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

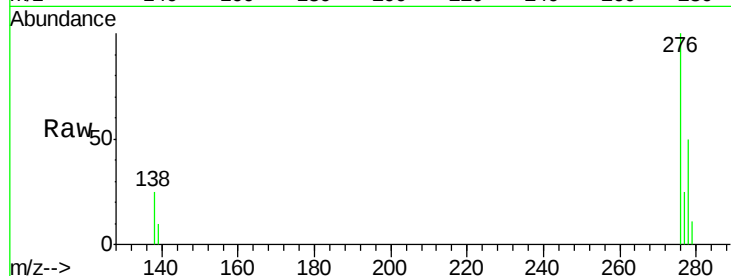




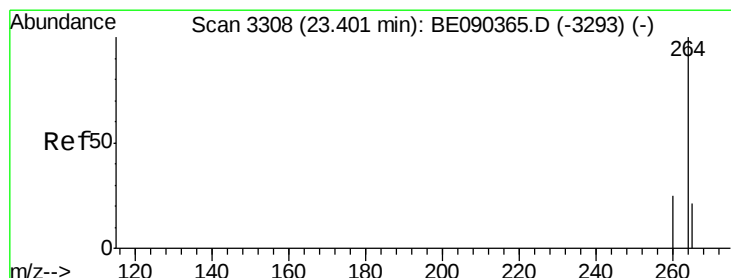
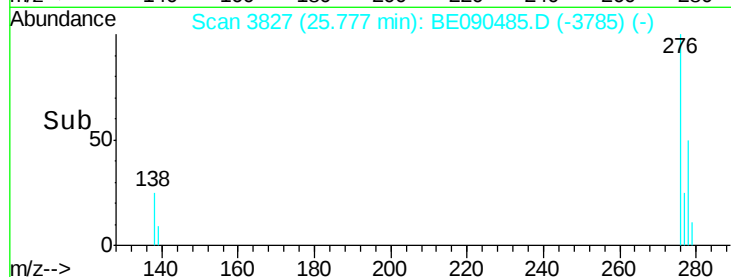
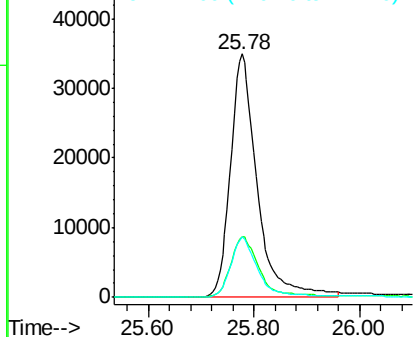
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 25.78 min Scan# 3827
 Delta R.T. -0.01 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.8	28.2
277	24.9	18.2	27.4

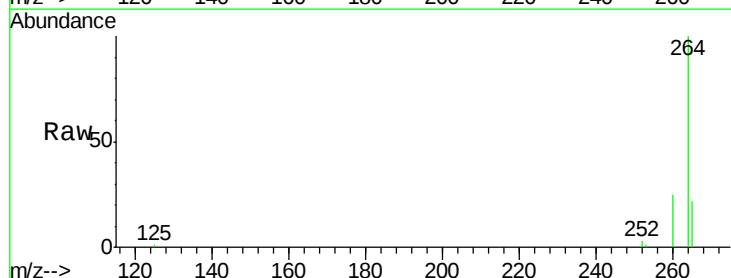


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

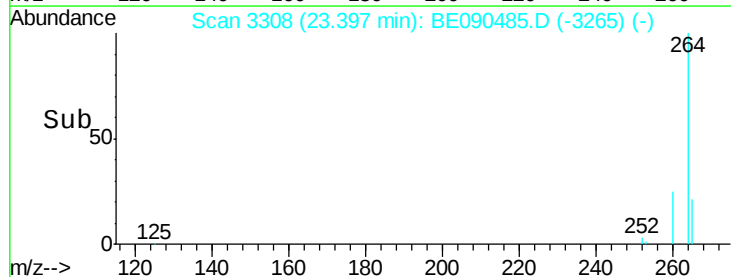
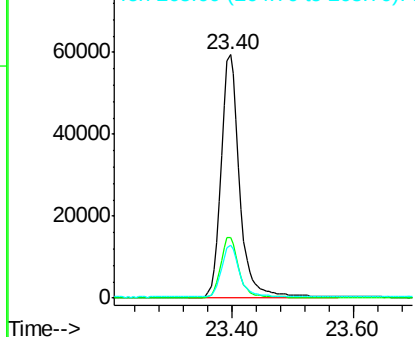


#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090485.D
 Acq: 13 Aug 2015 1:59

Tgt Ion	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 :

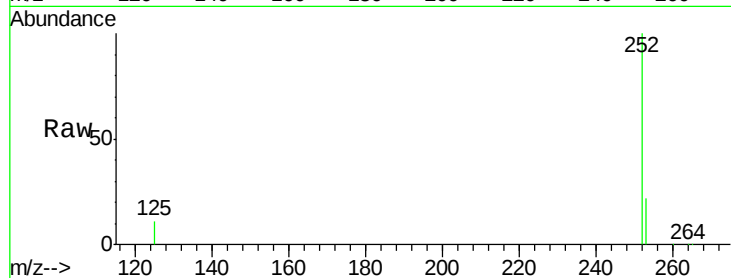
Tot Ion:252 Resp: 118238

Ion Ratio Lower Upper

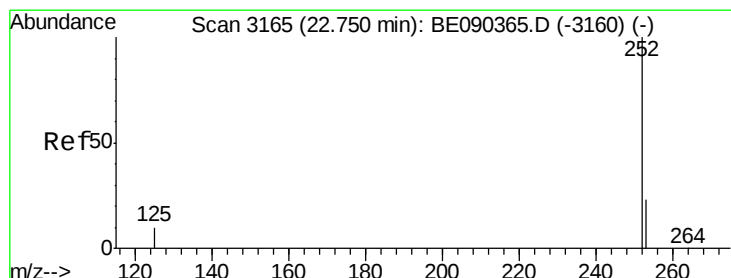
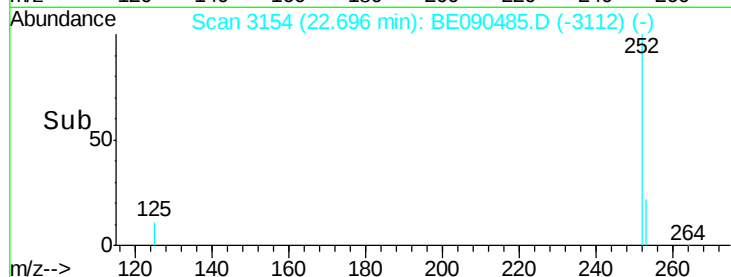
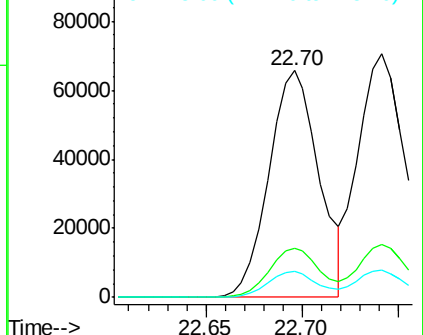
252 100

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

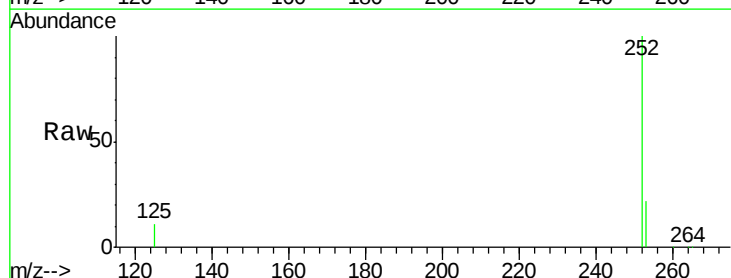
Tgt Ion:252 Resp: 132459

Ion Ratio Lower Upper

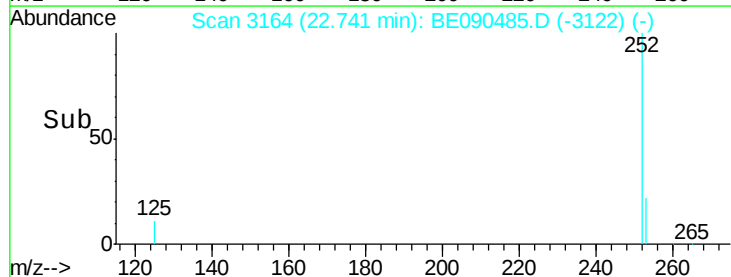
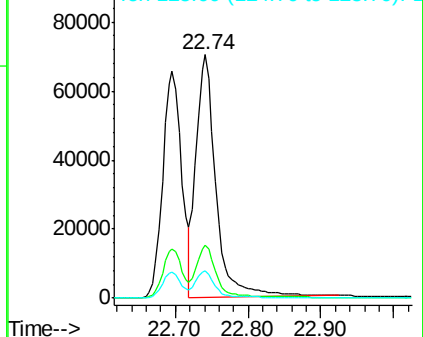
252 100

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 :

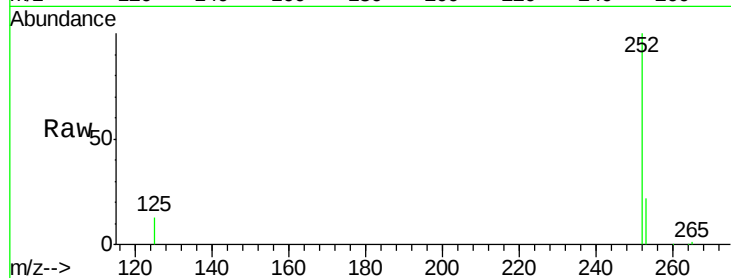
Tot Ion:252 Resp: 107199

Ion Ratio Lower Upper

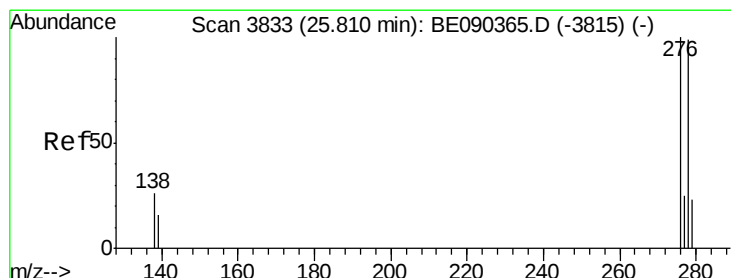
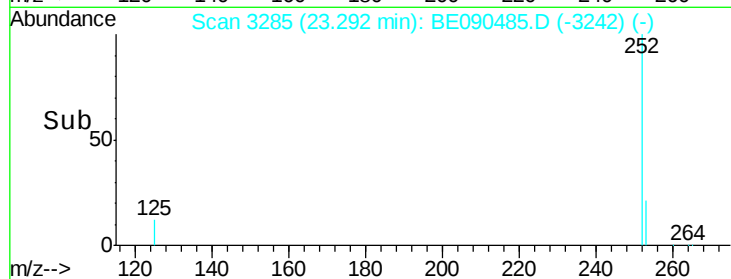
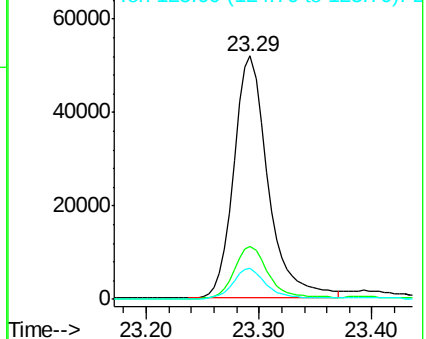
252 100

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

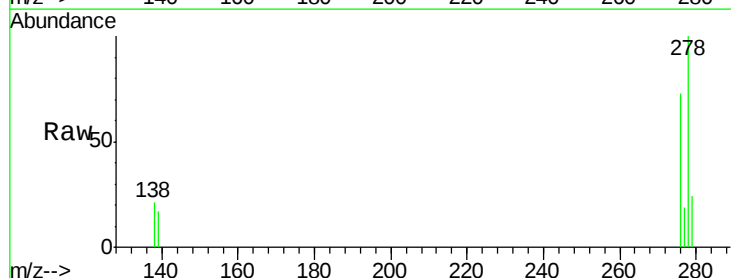
Tgt Ion:278 Resp: 97789

Ion Ratio Lower Upper

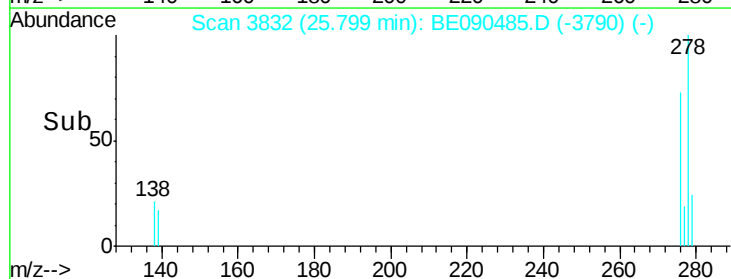
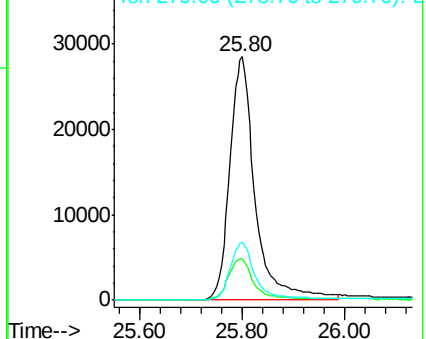
278 100

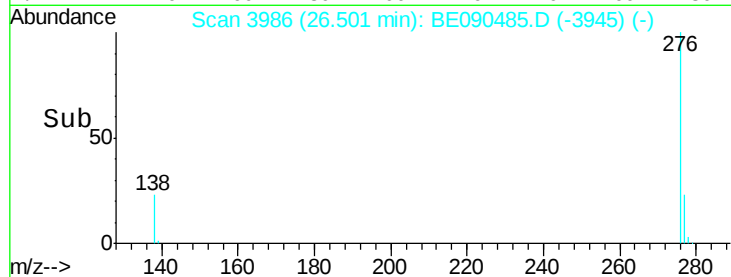
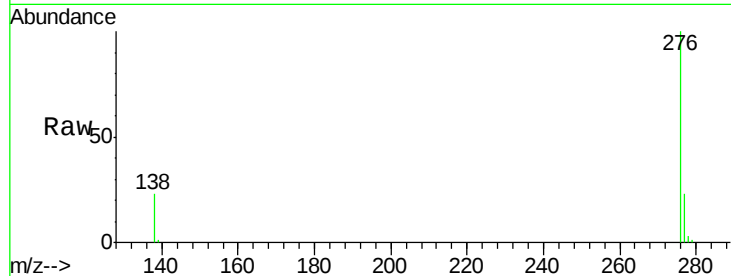
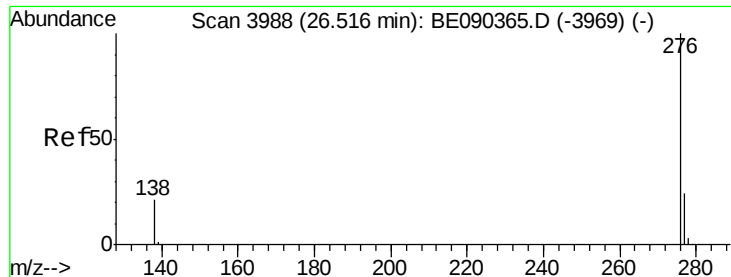
139 16.9 14.2 21.4

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(a,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 :

Tot Ion: 276 Resp: 108455

Ion Ratio Lower Upper

276 100

277 23.5 20.1 30.1

138 23.1 18.1 27.1

