

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081215\
 Data File : BE090486.D
 Acq On : 13 Aug 2015 2:35
 Operator : UM/IZ
 Sample : PB84969BSD
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84969BSD

Quant Time: Aug 13 03:07:02 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	18998	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	88574	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	51656	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	119778	5.00	ng	0.00
25) Chrysene-d12	21.09	240	145438	5.00	ng	0.00
32) Perylene-d12	23.40	264	124483	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	26765	9.39	ng	0.00
5) Phenol-d6	6.76	99	43367	7.04	ng	-0.01
7) Nitrobenzene-d5	8.72	82	21086	3.01	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	13152	8.22	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	48069	3.38	ng	0.00
27) Terphenyl-d14	19.55	244	83434	3.89	ng	-0.01

Target Compounds

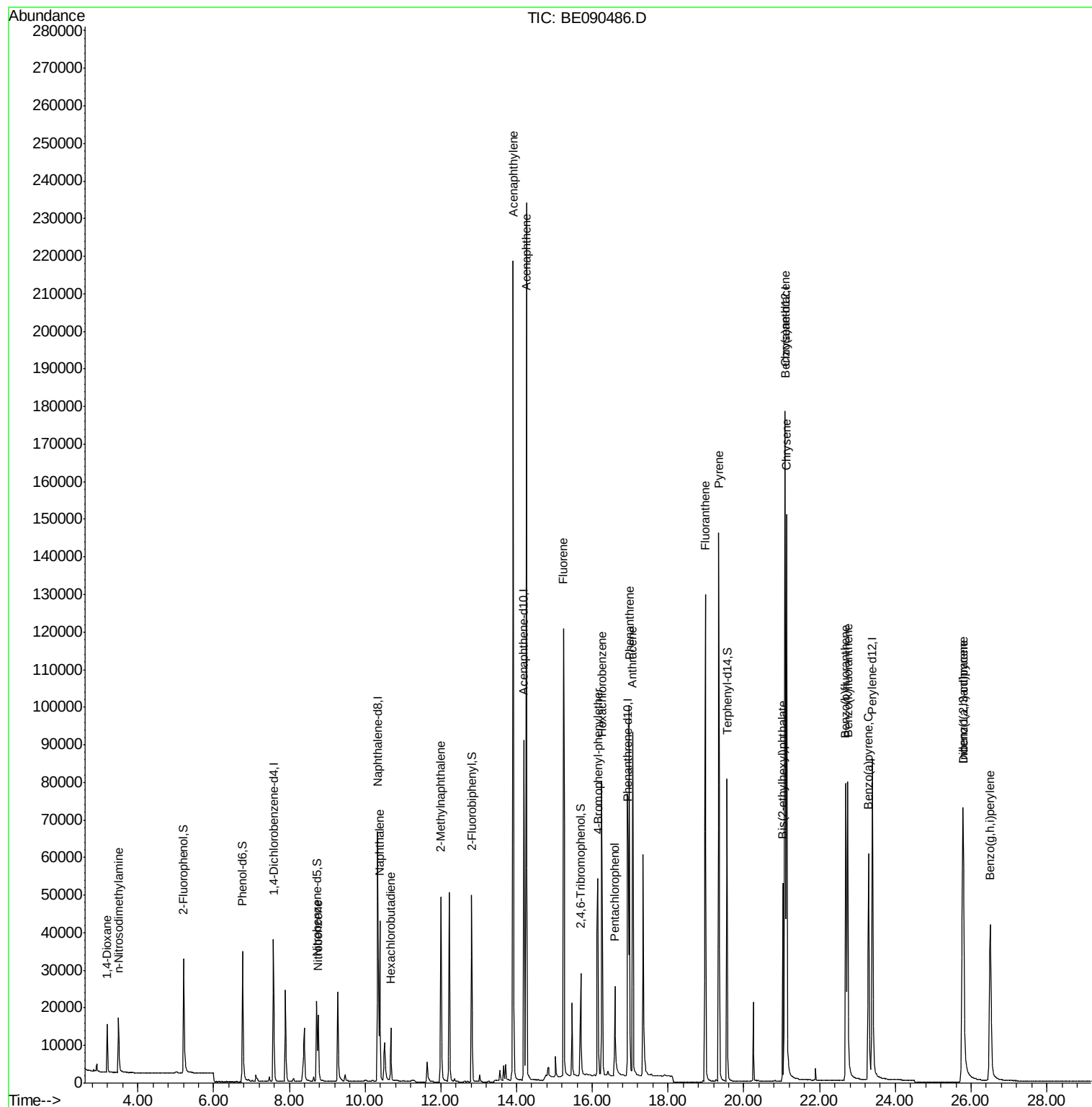
						Qvalue
2) 1,4-Dioxane	3.20	88	7336	3.23	ng	98
3) n-Nitrosodimethylamine	3.49	42	9600	3.27	ng	# 90
8) Nitrobenzene	8.76	77	22224	2.97	ng	97
9) Naphthalene	10.39	128	60378	3.09	ng	98
10) Hexachlorobutadiene	10.68	225	10054	3.38	ng	100
11) 2-Methylnaphthalene	12.00	142	39465	3.48	ng	99
15) Acenaphthylene	13.91	152	287156	3.43	ng	100
16) Acenaphthene	14.26	154	42714	3.28	ng	90
17) Fluorene	15.24	166	58548	3.47	ng	97
19) 4-Bromophenyl-phenylether	16.14	248	16652	3.57	ng	94
20) Hexachlorobenzene	16.25	284	77344	3.21	ng	100
21) Pentachlorophenol	16.60	266	14009	7.58	ng	90
22) Phenanthrene	16.98	178	107157	3.57	ng	99
23) Anthracene	17.07	178	101500	4.12	ng	100
24) Fluoranthene	18.98	202	119188	4.04	ng	99
26) Pyrene	19.34	202	131799	4.18	ng	99
28) Benzo(a)anthracene	21.08	228	124355	3.86	ng	98
29) Chrysene	21.13	228	131597	3.38	ng	98
30) Bis(2-ethylhexyl)phthalate	21.03	149	42876	4.00	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	108029	3.17	ng	95
33) Benzo(b)fluoranthene	22.69	252	104973	3.78	ng	98
34) Benzo(k)fluoranthene	22.74	252	117153	3.38	ng	99
35) Benzo(a)pyrene	23.29	252	94350	3.61	ng	100
36) Dibenzo(a,h)anthracene	25.79	278	86476	3.41	ng	98
37) Benzo(g,h,i)perylene	26.51	276	95885	4.17	ng	99

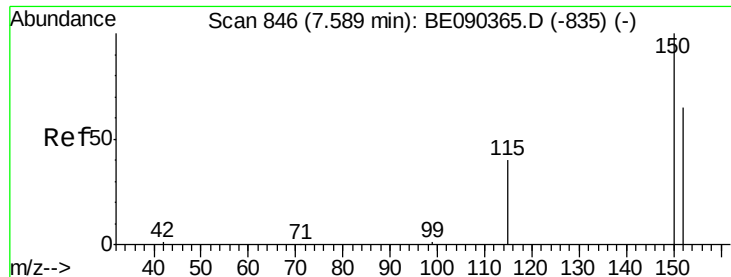
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 03:07:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

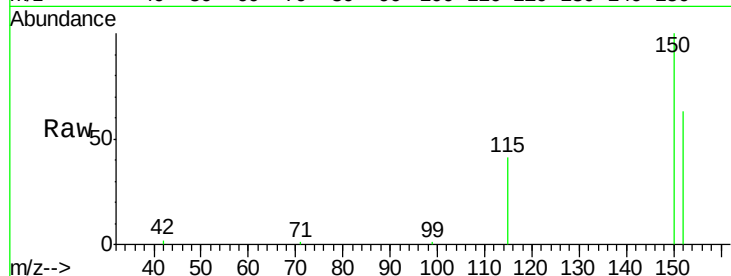
Tgt Ion:152 Resp: 18998

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

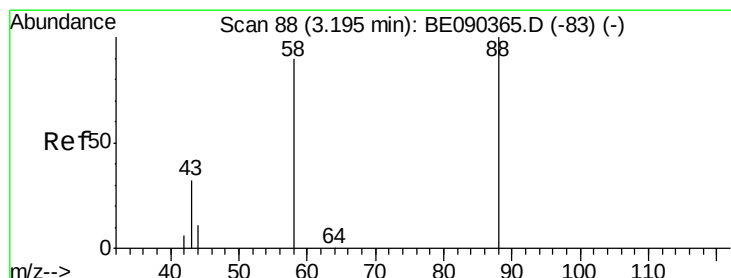
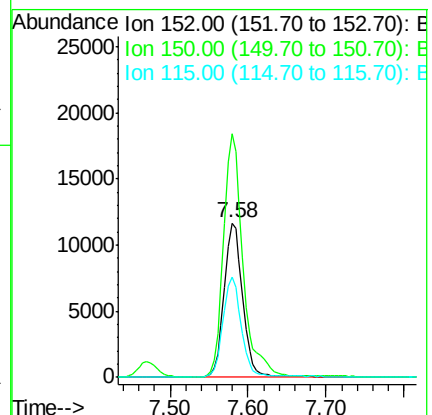
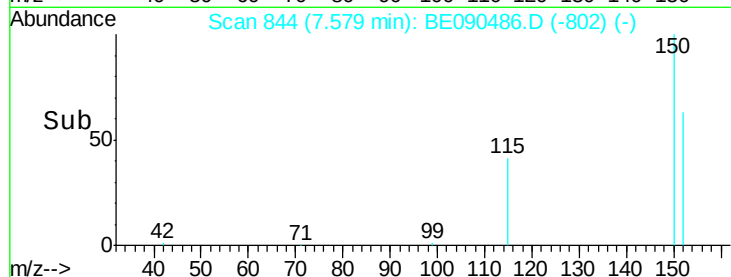
115 64.7 48.9 73.3



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: 3.23 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

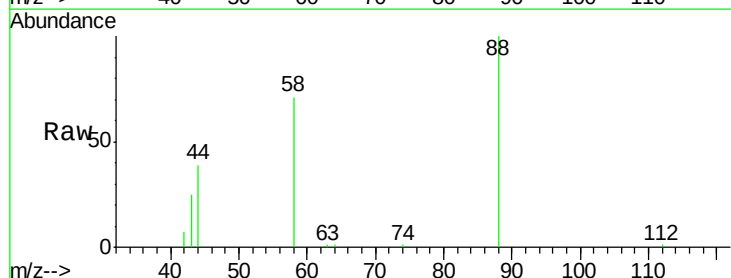
Tgt Ion: 88 Resp: 7336

Ion Ratio Lower Upper

88 100

58 87.0 70.0 105.0

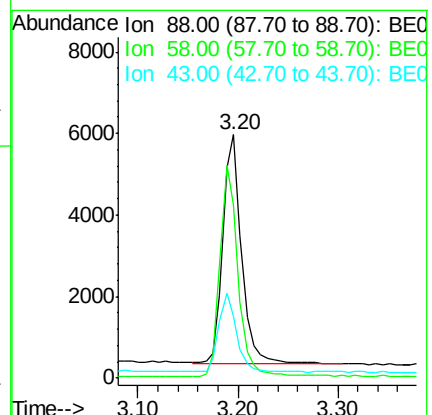
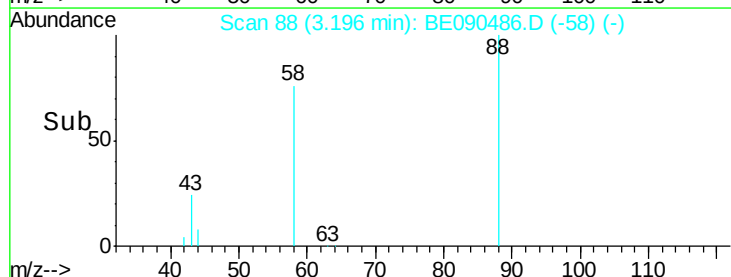
43 32.6 28.4 42.6

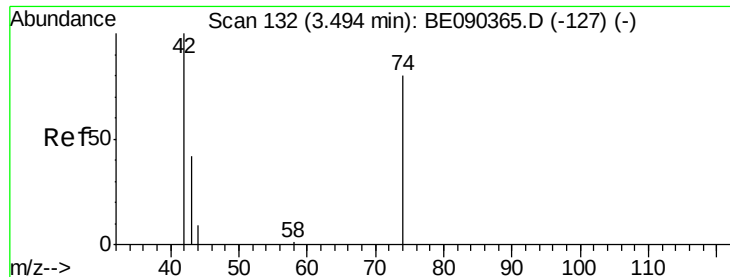


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.27 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

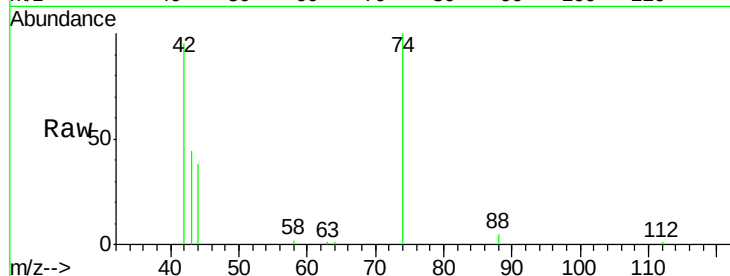
Tgt Ion: 42 Resp: 9600

Ion Ratio Lower Upper

42 100

74 104.5 75.2 112.8

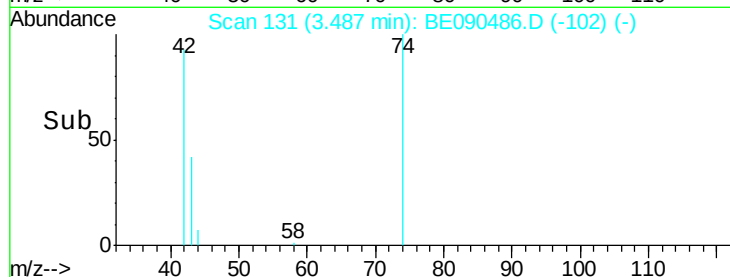
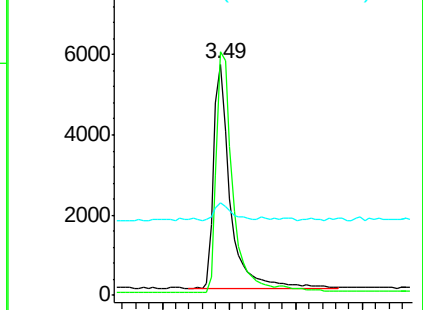
44 8.6 8.7 13.1#



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: 9.39 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

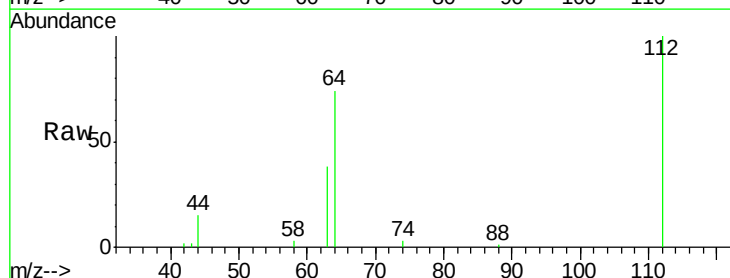
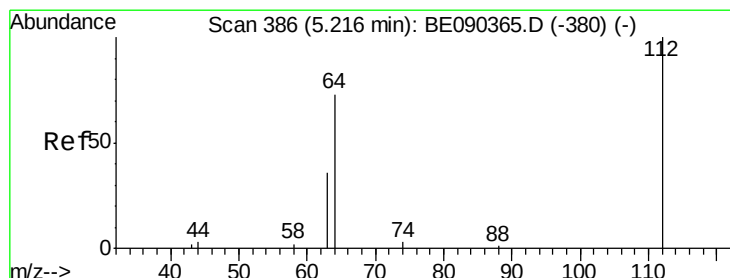
Tgt Ion: 112 Resp: 26765

Ion Ratio Lower Upper

112 100

64 71.0 37.1 55.7#

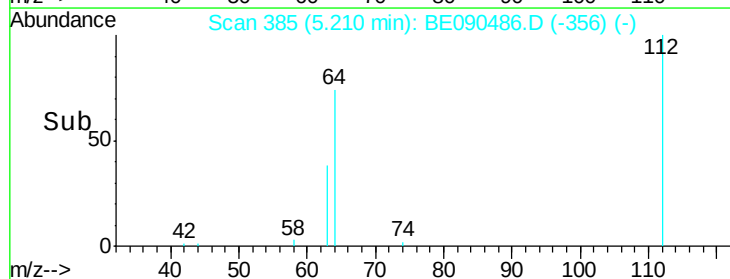
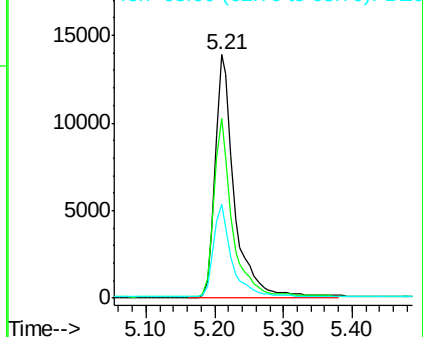
63 37.0 19.5 29.3#

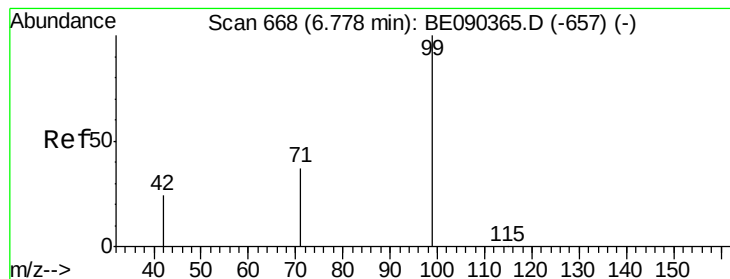


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.04 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

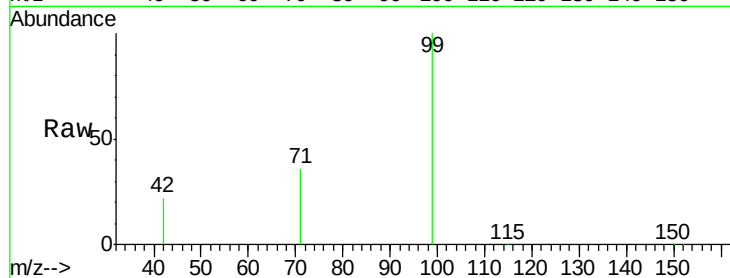
Tgt Ion: 99 Resp: 43367

Ion Ratio Lower Upper

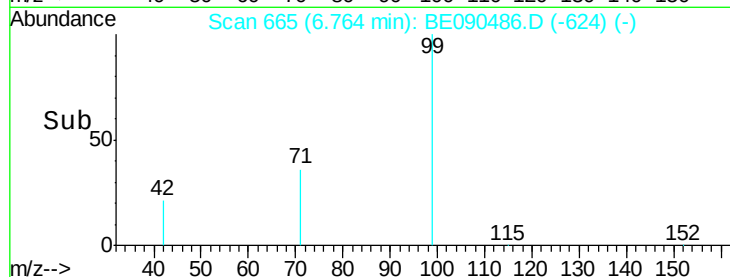
99 100

42 21.8 18.2 27.4

71 35.2 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE090486.D (-624) (-)



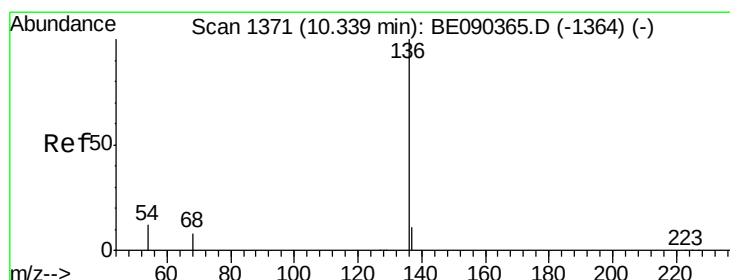
Ion 42.00 (41.70 to 42.70): BE090486.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090486.D (-624) (-)

Time-->

6.76

6.70 6.80 6.90 7.00



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Tgt Ion: 136 Resp: 88574

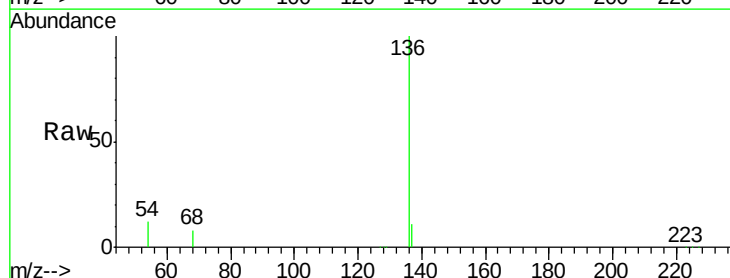
Ion Ratio Lower Upper

136 100

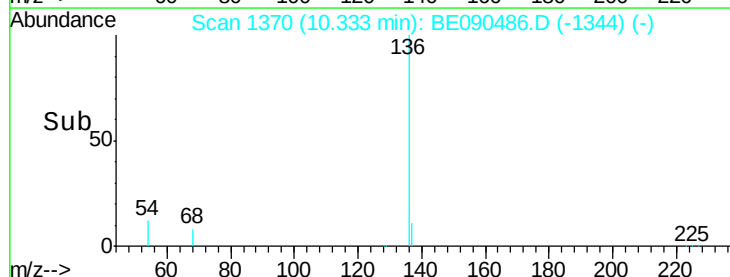
137 10.9 8.7 13.1

54 11.8 9.4 14.0

68 8.4 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BE090486.D (-1344) (-)



Ion 137.00 (136.70 to 137.70): BE090486.D (-1344) (-)

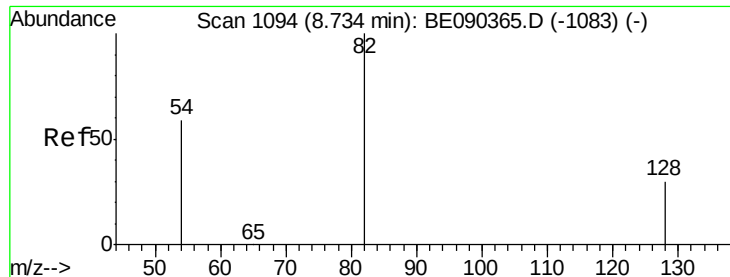
Ion 54.00 (53.70 to 54.70): BE090486.D (-1344) (-)

Ion 68.00 (67.70 to 68.70): BE090486.D (-1344) (-)

Time-->

10.33

10.20 10.40



#7

Nitrobenzene-d5

Concen: 3.01 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

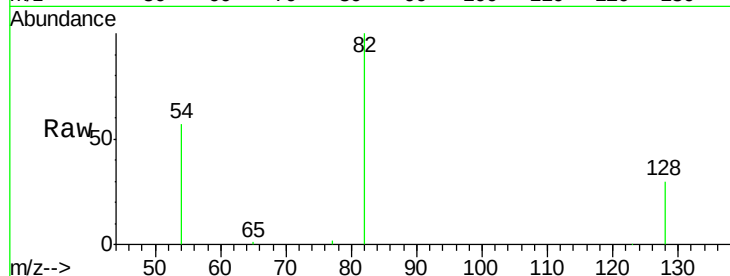
Tgt Ion: 82 Resp: 21086

Ion Ratio Lower Upper

82 100

128 30.4 25.0 37.6

54 57.0 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

8.72

15000

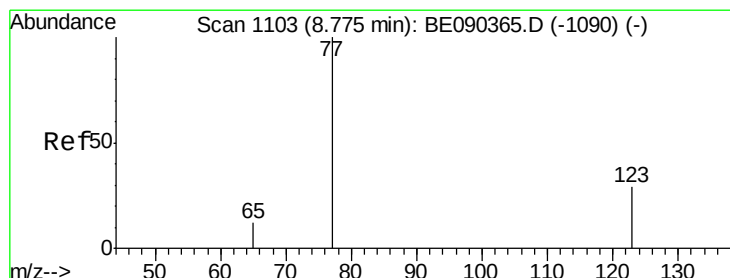
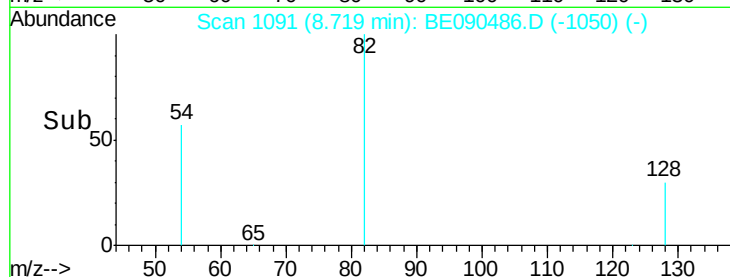
10000

5000

0

8.60 8.70 8.80 8.90

Time-->



#8

Nitrobenzene

Concen: 2.97 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

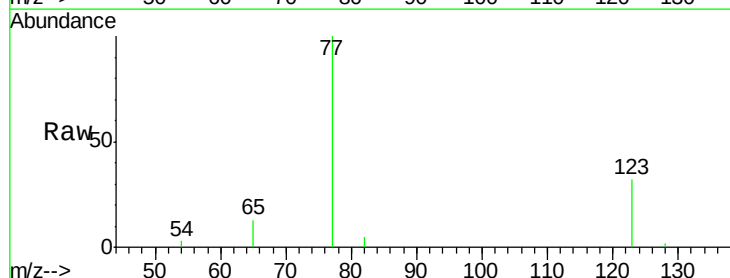
Tgt Ion: 77 Resp: 22224

Ion Ratio Lower Upper

77 100

123 33.1 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

8.76

15000

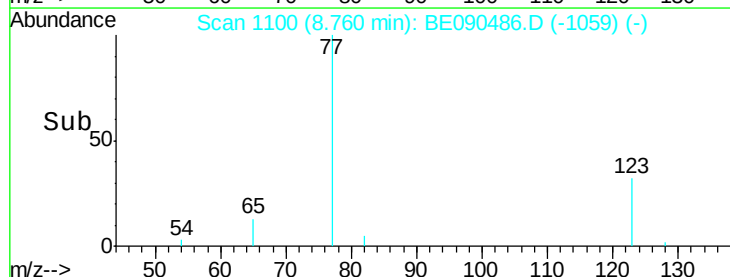
10000

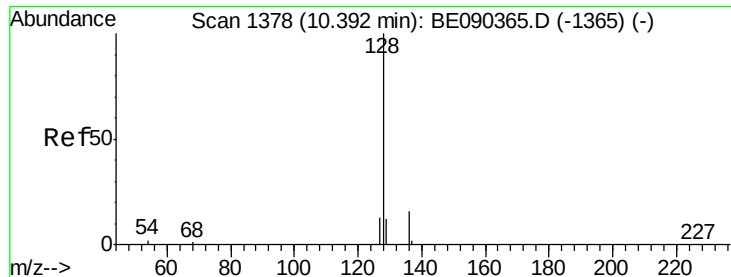
5000

0

8.60 8.70 8.80 8.90

Time-->





#9

Naphthalene

Concen: 3.09 ng

RT: 10.39 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

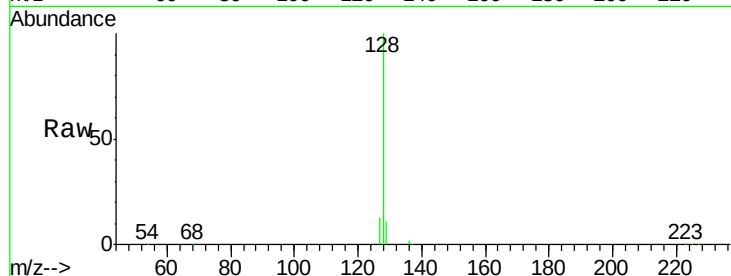
Tgt Ion:128 Resp: 60378

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.6

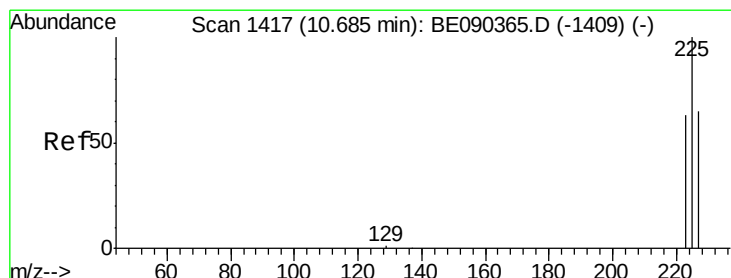
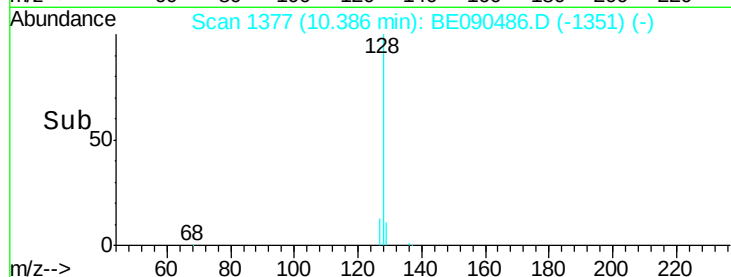
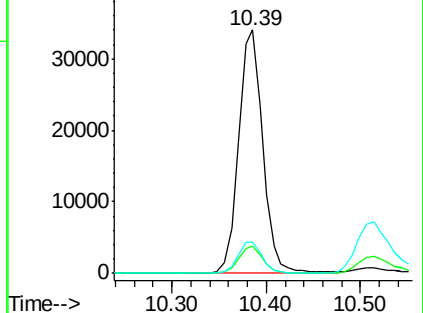
127 12.9 10.6 16.0



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: 3.38 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

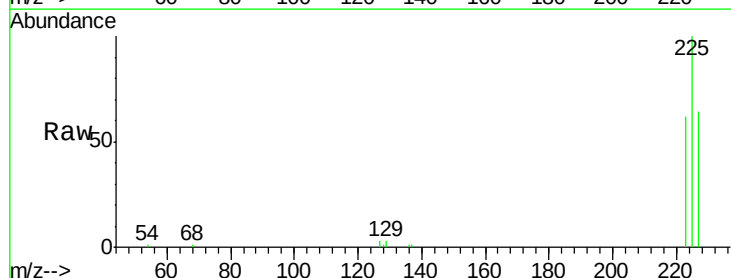
Tgt Ion:225 Resp: 10054

Ion Ratio Lower Upper

225 100

223 63.1 50.6 75.8

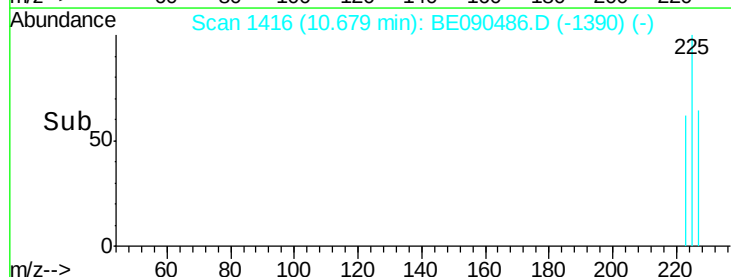
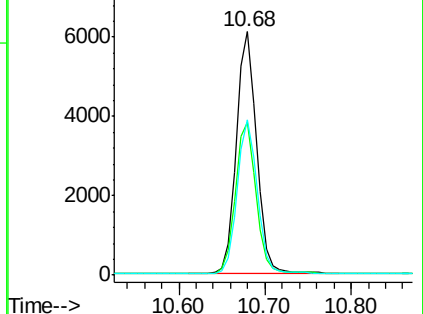
227 63.5 50.7 76.1

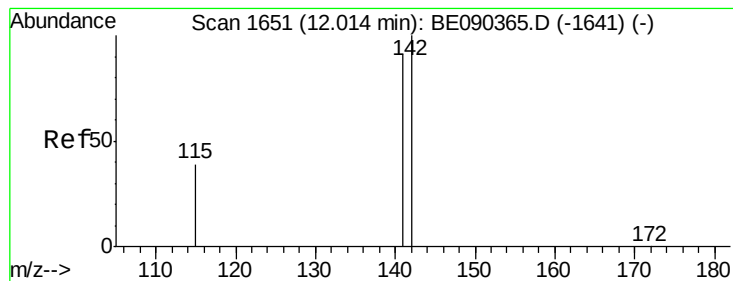


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.48 ng

RT: 12.00 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

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PB84969BSD

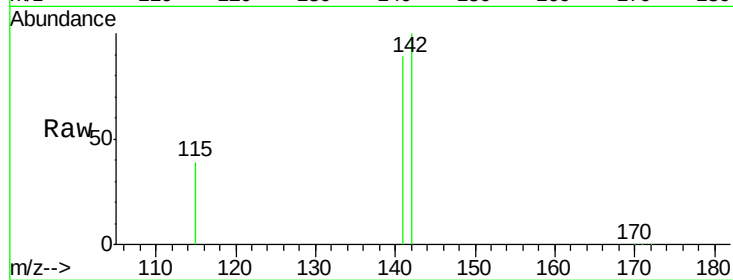
Tgt Ion:142 Resp: 39465

Ion Ratio Lower Upper

142 100

141 89.4 72.6 109.0

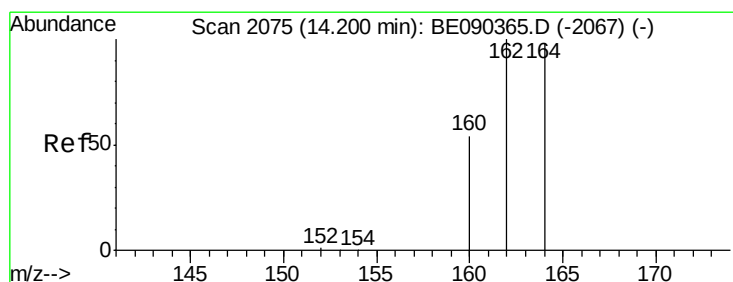
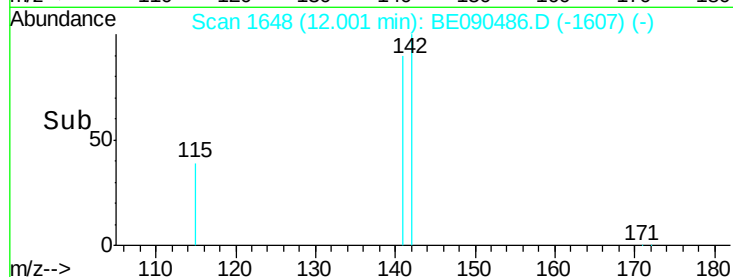
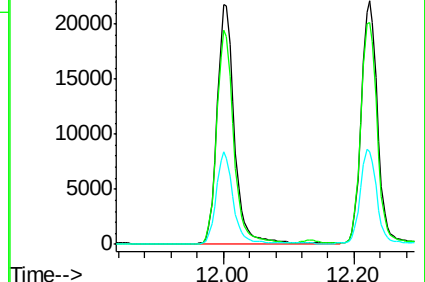
115 38.7 31.6 47.4



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: BE090486.D

Acq: 13 Aug 2015 2:35

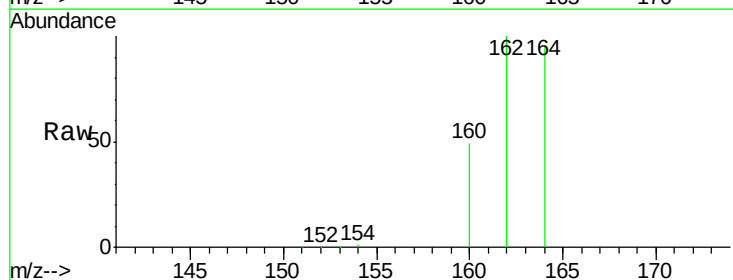
Tgt Ion:164 Resp: 51656

Ion Ratio Lower Upper

164 100

162 105.2 81.8 122.8

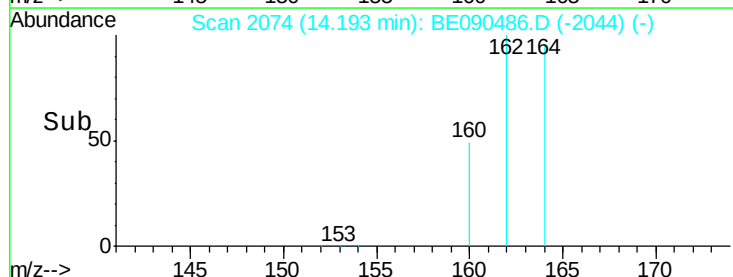
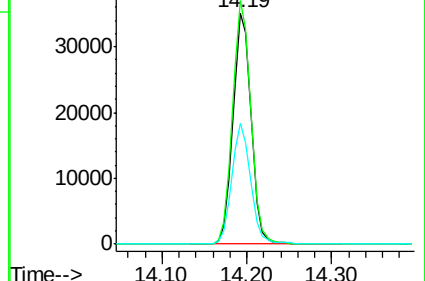
160 52.1 44.2 66.4

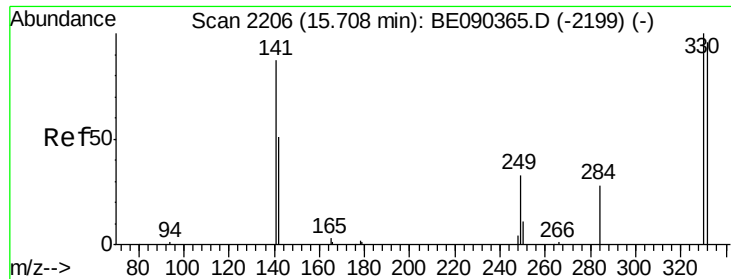


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

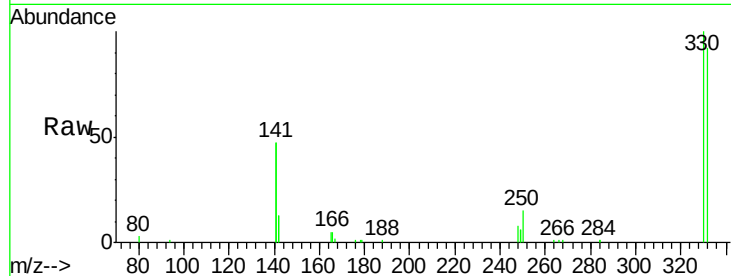




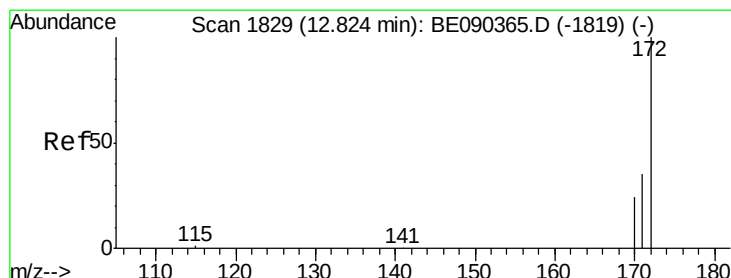
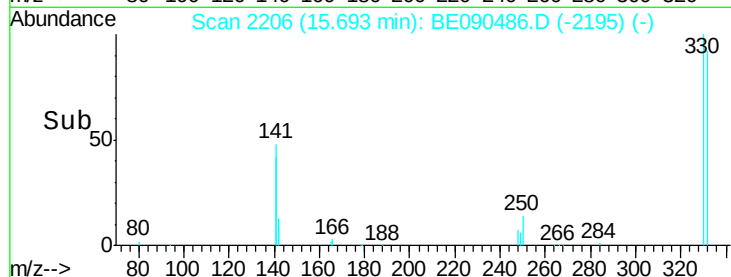
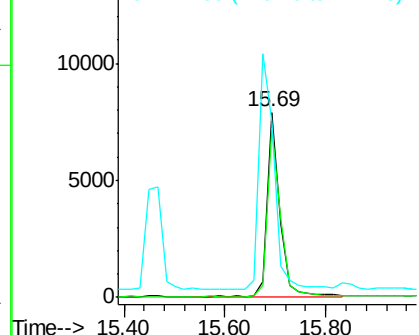
#13
 2,4,6-Tribromophenol
 Concen: 8.22 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

Instrument :
 BNA_E
 ClientSampleId :
 PB84969BSD

Tgt Ion: 330 Resp: 13152
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.8 113.6
 141 156.3 114.4 171.6

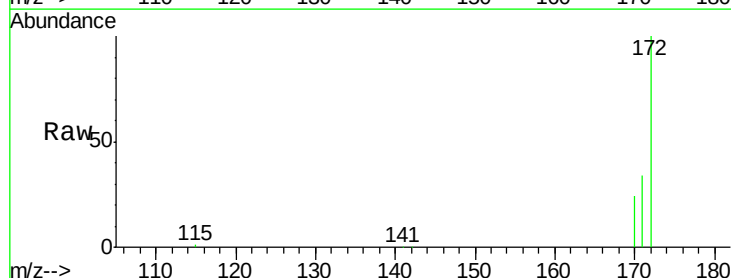


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

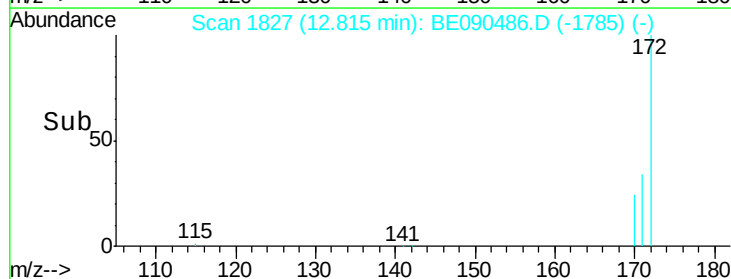
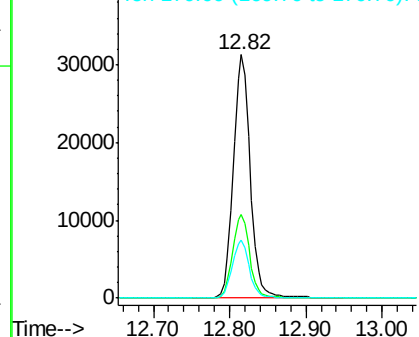


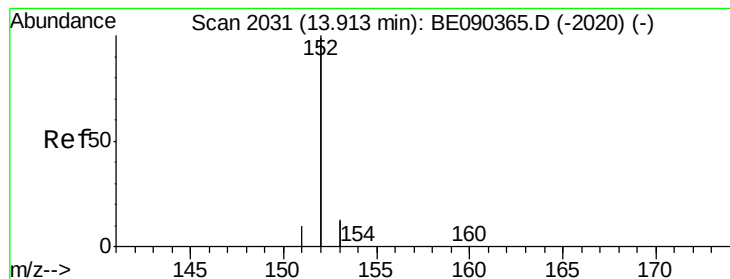
#14
 2-Fluorobiphenyl
 Concen: 3.38 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

Tgt Ion: 172 Resp: 48069
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.8 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: 3.43 ng

RT: 13.91 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

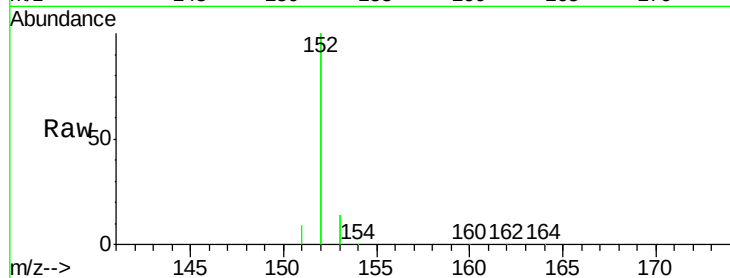
Tgt Ion:152 Resp: 287156

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

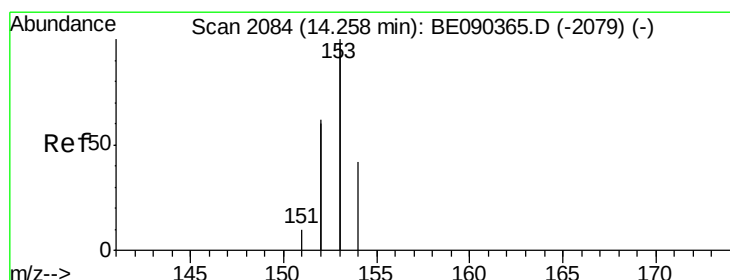
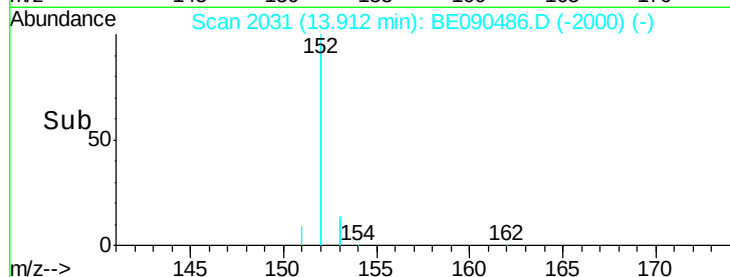
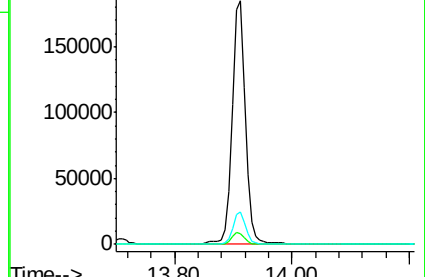
153 13.0 10.3 15.5



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: 3.28 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

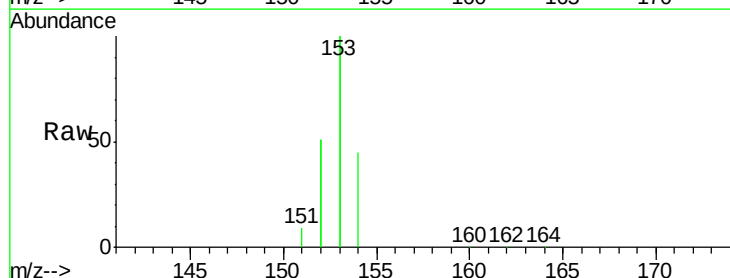
Tgt Ion:154 Resp: 42714

Ion Ratio Lower Upper

154 100

153 461.6 376.2 564.2

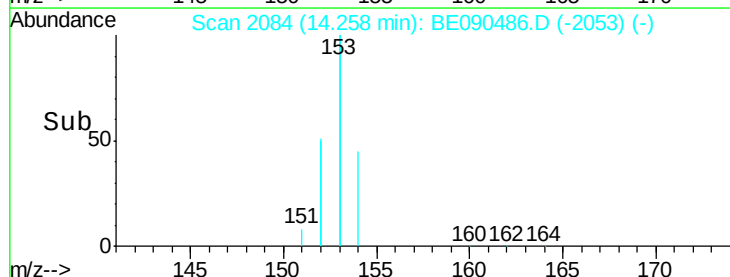
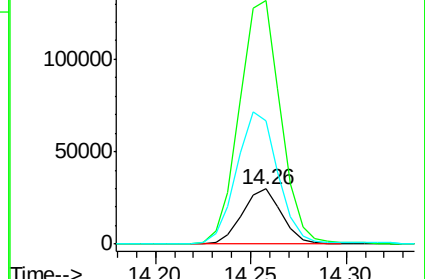
152 252.8 235.0 352.4

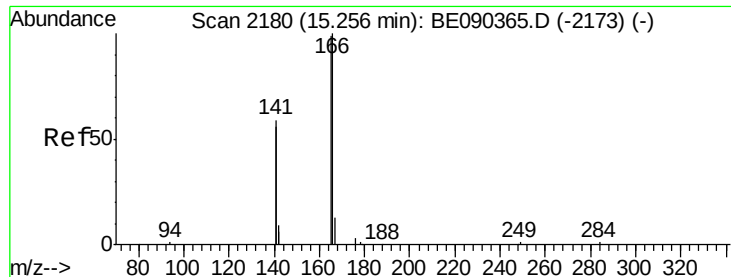


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 3.47 ng

RT: 15.24 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

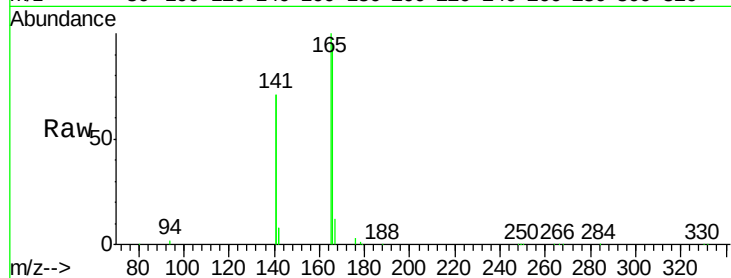
Tgt Ion:166 Resp: 58548

Ion Ratio Lower Upper

166 100

165 99.0 81.5 122.3

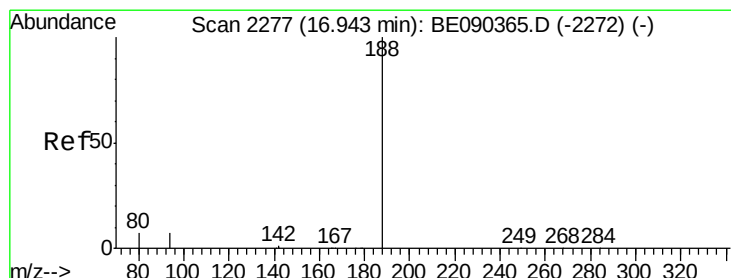
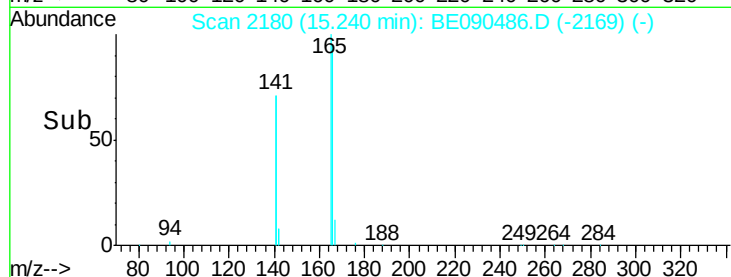
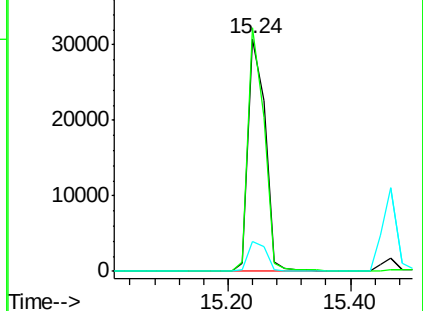
167 13.7 11.4 17.0



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: BE090486.D

Acq: 13 Aug 2015 2:35

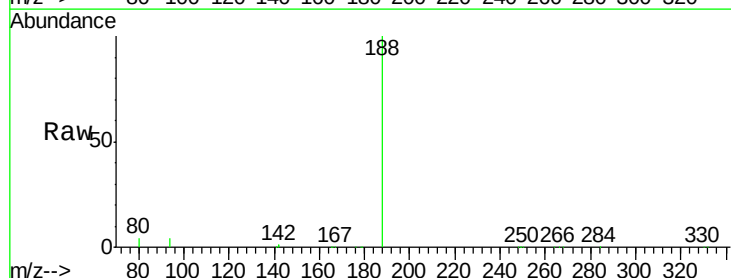
Tgt Ion:188 Resp: 119778

Ion Ratio Lower Upper

188 100

94 4.3 5.7 8.5#

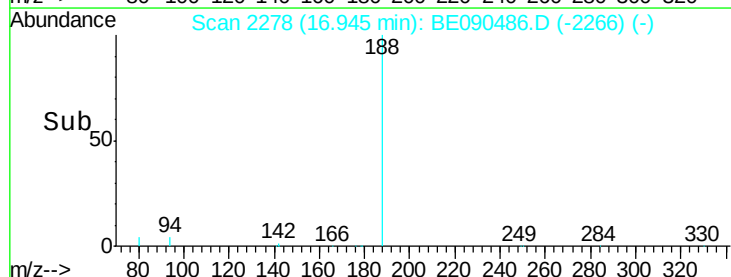
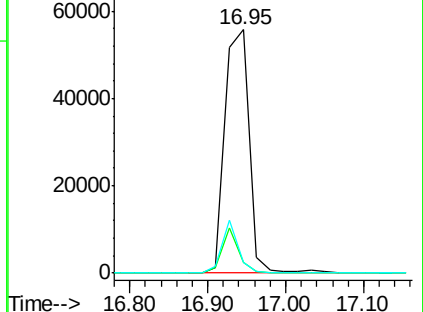
80 4.2 5.8 8.8#

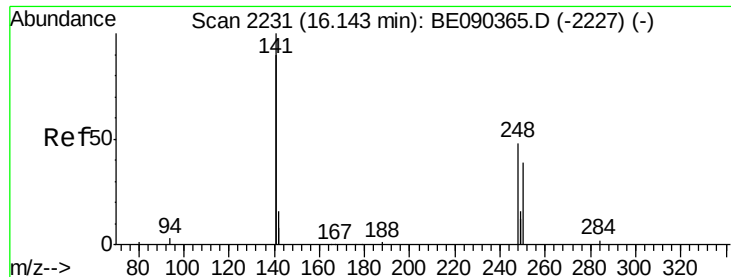


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

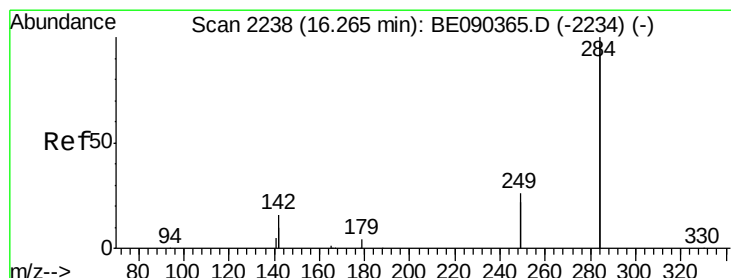
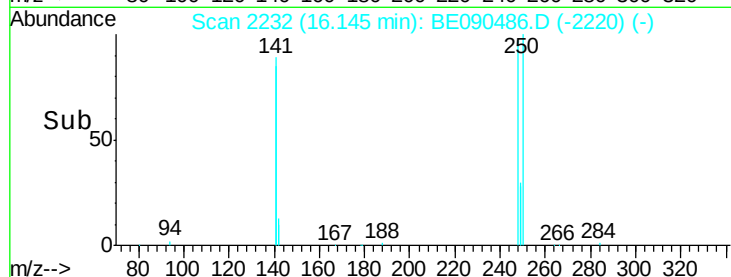
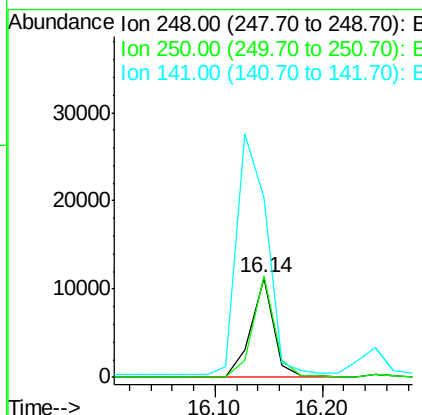
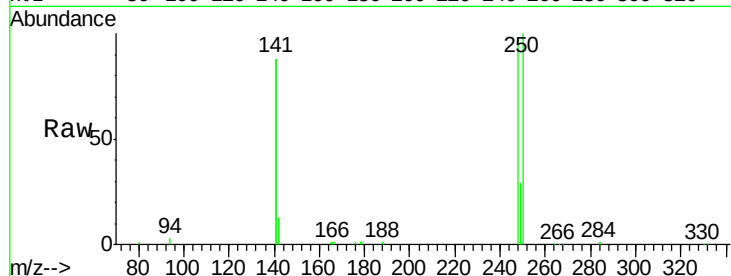




#19
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 16.14 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BE090486.D
Acq: 13 Aug 2015 2:35

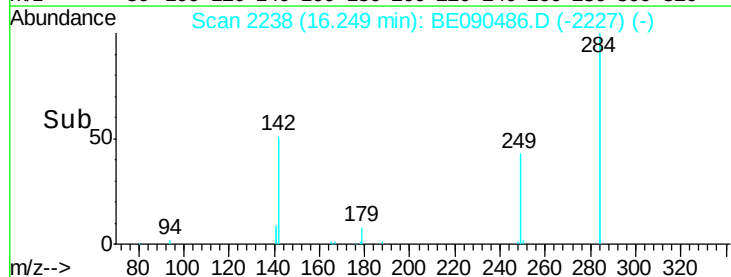
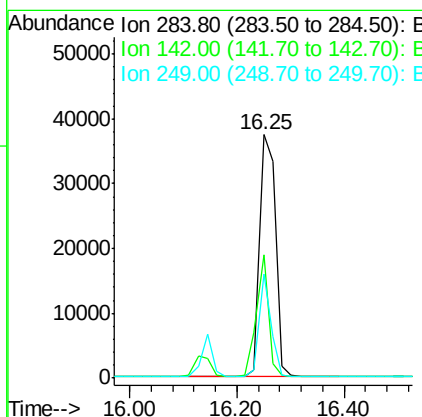
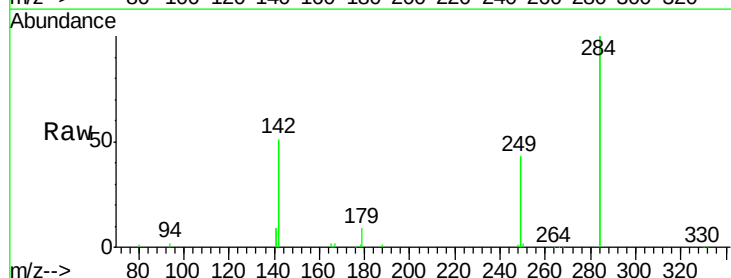
Instrument :
BNA_E
ClientSampleId :
PB84969BSD

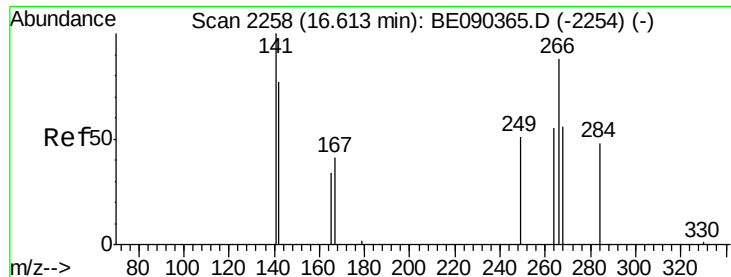
Tgt Ion:248 Resp: 16652
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.6
141 314.3 239.5 359.3



#20
Hexachlorobenzene
Concen: 3.21 ng
RT: 16.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BE090486.D
Acq: 13 Aug 2015 2:35

Tgt Ion:284 Resp: 77344
Ion Ratio Lower Upper
284 100
142 37.6 30.1 45.1
249 31.6 25.7 38.5

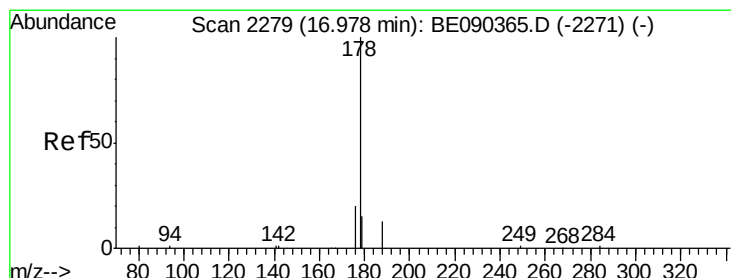
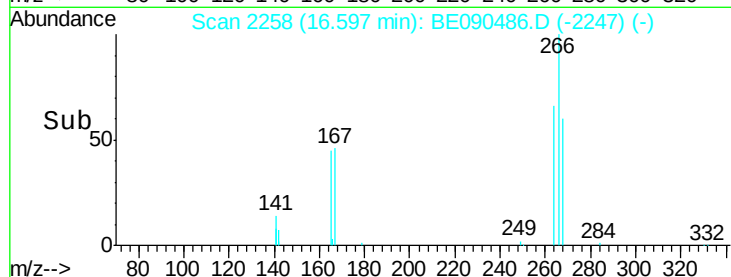
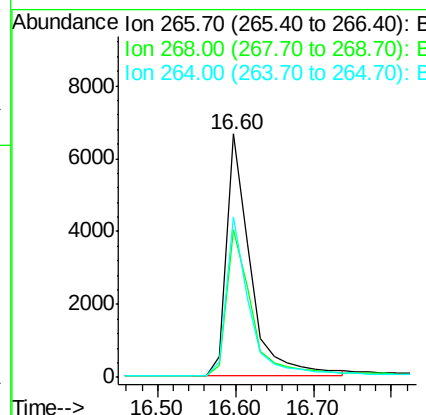
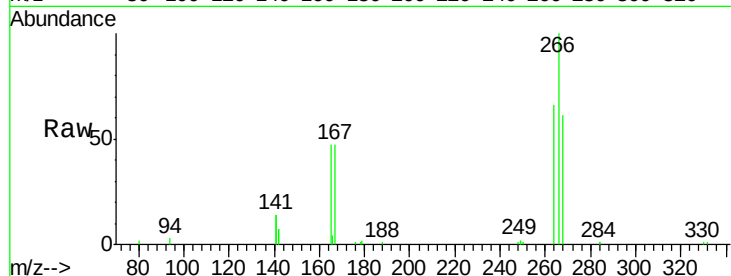




#21
 Pentachlorophenol
 Concen: 7.58 ng
 RT: 16.60 min Scan# 2258
 Delta R.T. -0.01 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

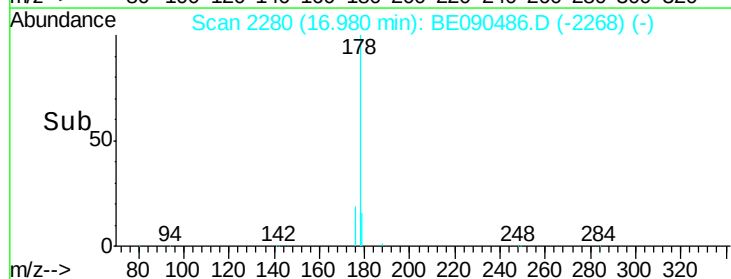
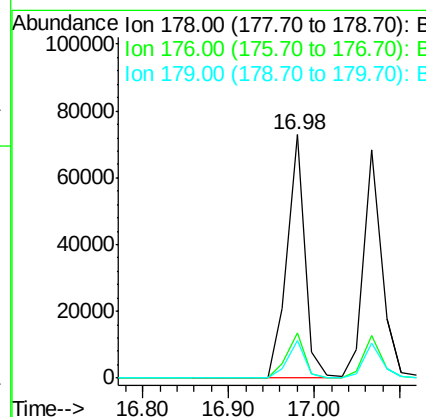
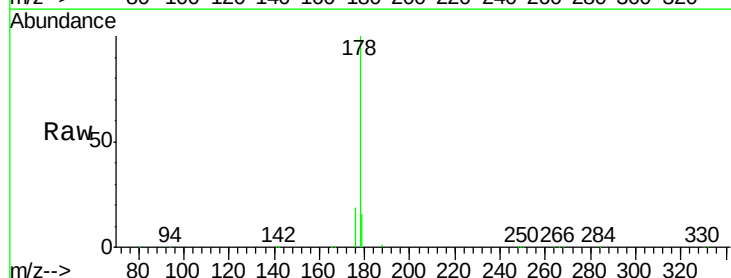
Instrument :
 BNA_E
 ClientSampleId :
 PB84969BSD

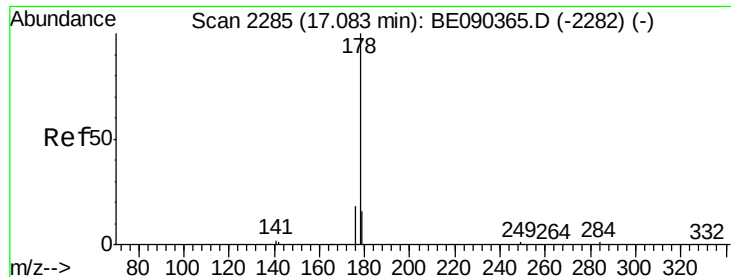
Tgt Ion: 266 Resp: 14009
 Ion Ratio Lower Upper
 266 100
 268 60.8 58.5 87.7
 264 66.1 56.0 84.0



#22
 Phenanthrene
 Concen: 3.57 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

Tgt Ion: 178 Resp: 107157
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.4 12.5 18.7





#23

Anthracene

Concen: 4.12 ng

RT: 17.07 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

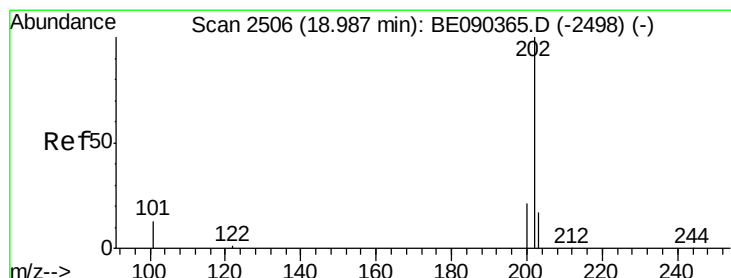
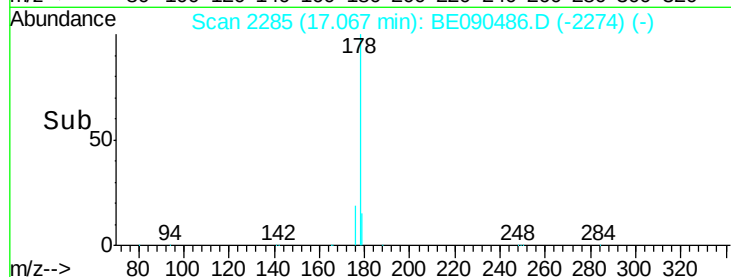
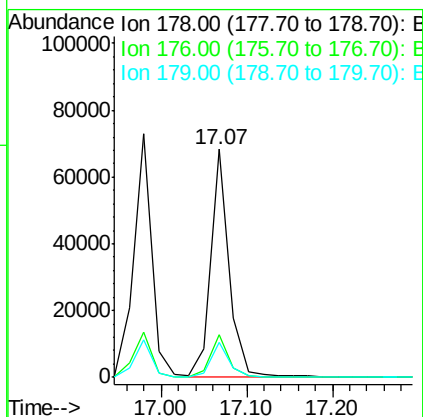
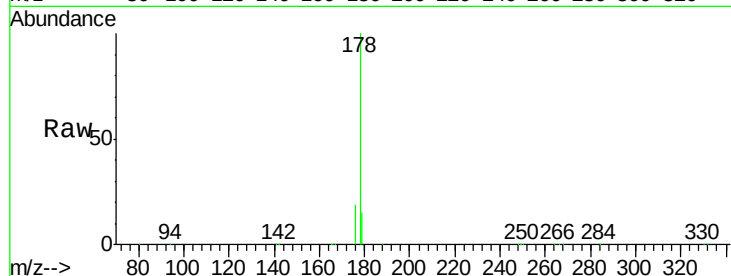
Tgt Ion:178 Resp: 101500

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.3 12.2 18.4



#24

Fluoranthene

Concen: 4.04 ng

RT: 18.98 min Scan# 2506

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

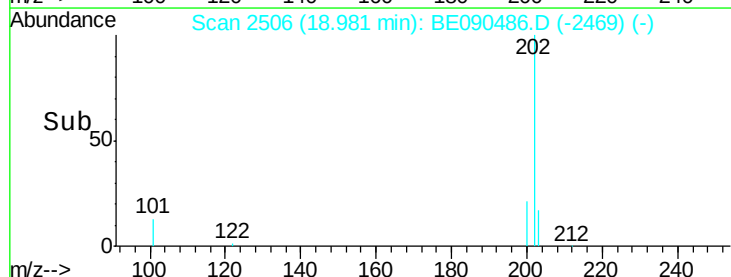
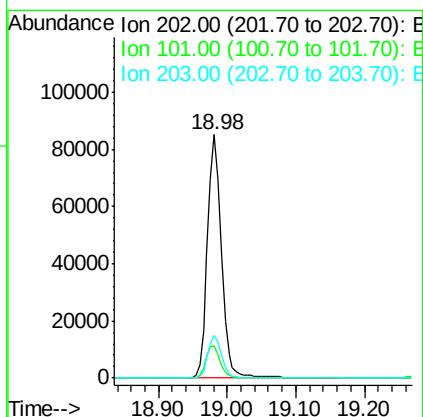
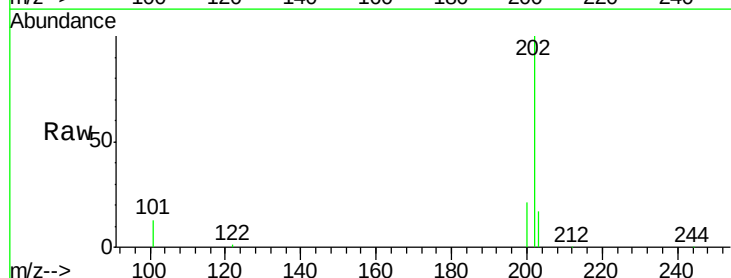
Tgt Ion:202 Resp: 119188

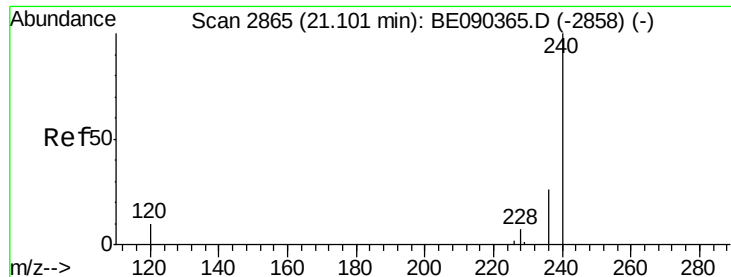
Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

203 17.2 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

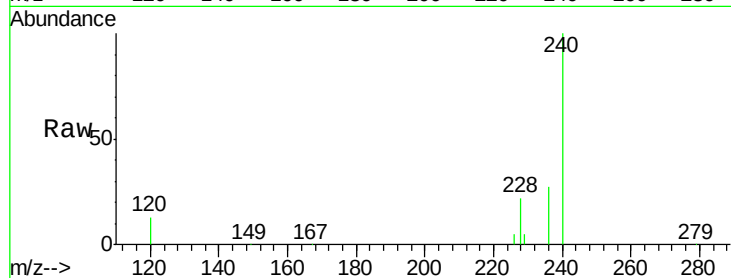
Tgt Ion:240 Resp: 145438

Ion Ratio Lower Upper

240 100

120 13.1 8.3 12.5#

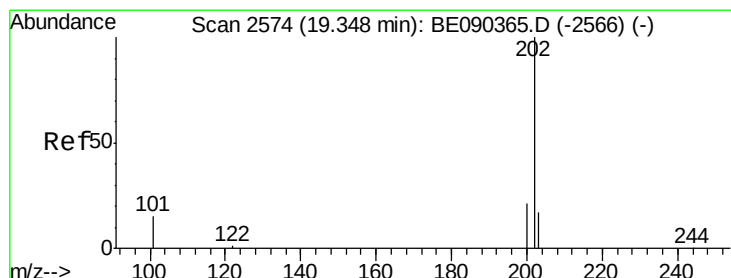
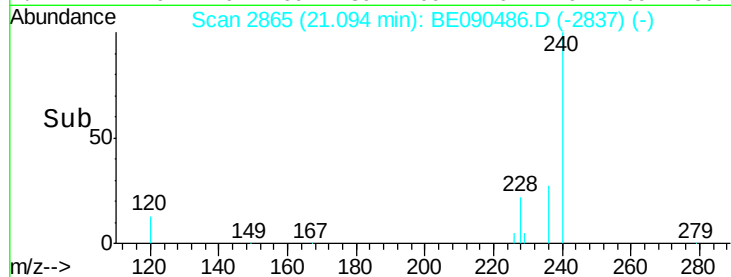
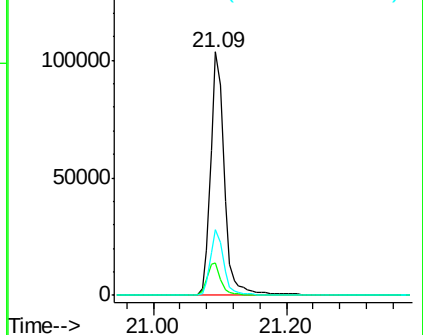
236 27.2 21.0 31.4



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: 4.18 ng

RT: 19.34 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

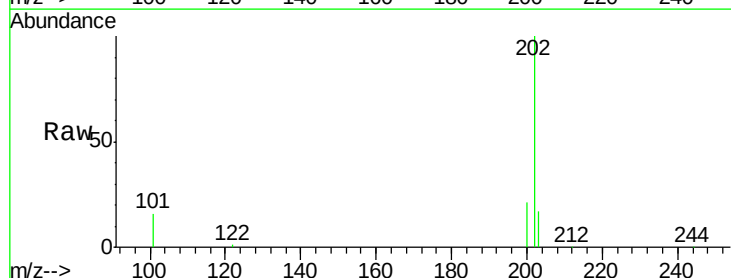
Tgt Ion:202 Resp: 131799

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

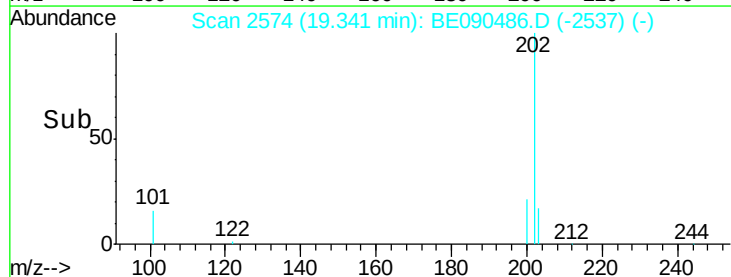
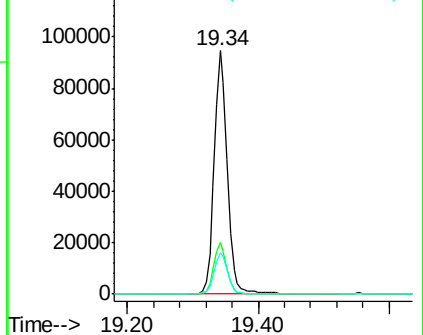
203 17.8 13.8 20.8

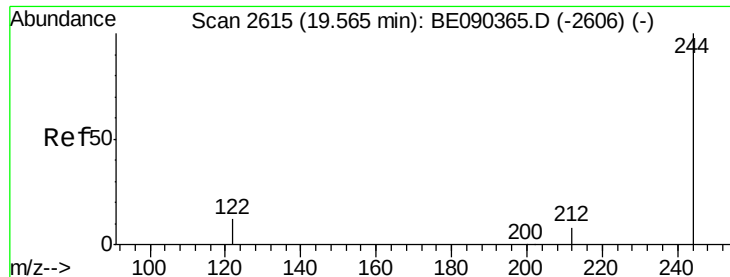


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

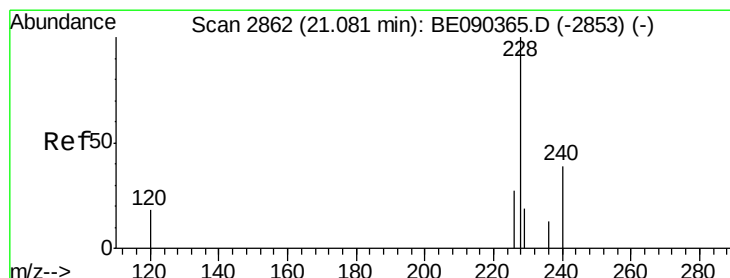
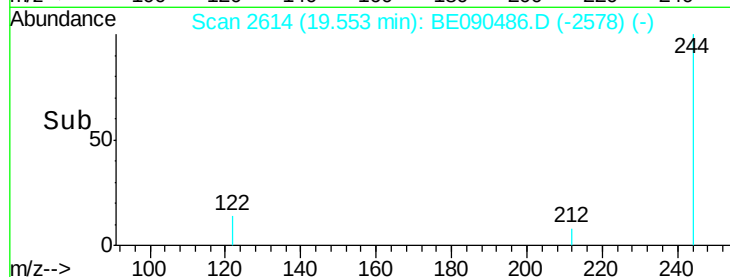
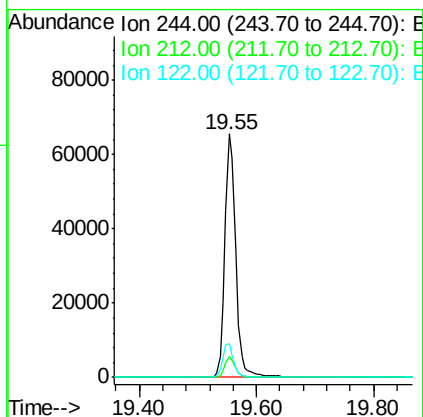
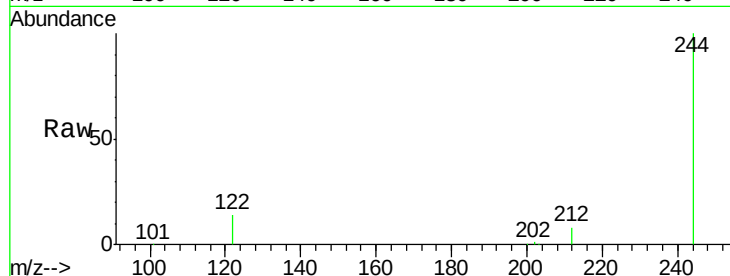




#27
 Terphenyl-d14
 Concen: 3.89 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

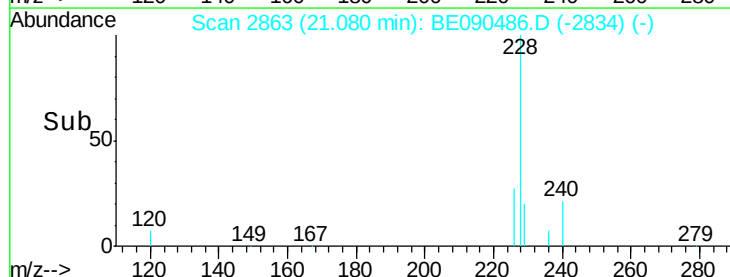
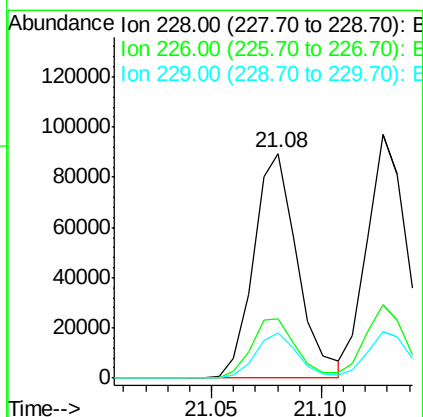
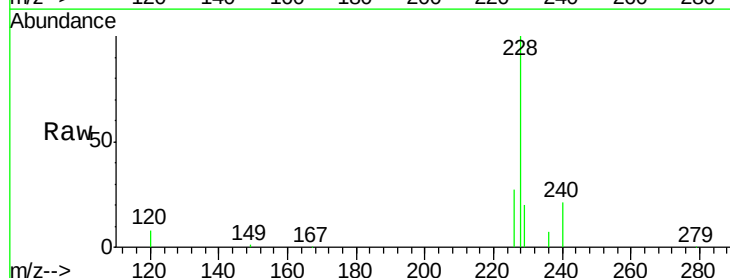
Instrument :
 BNA_E
 ClientSampleId :
 PB84969BSD

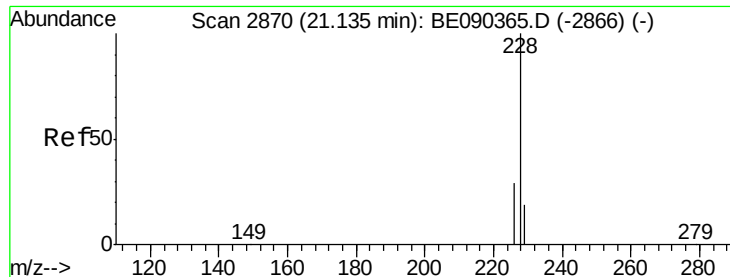
Tgt Ion:244 Resp: 83434
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 9.8
 122 13.7 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 3.86 ng
 RT: 21.08 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: BE090486.D
 Acq: 13 Aug 2015 2:35

Tgt Ion:228 Resp: 124355
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.9 32.9
 229 20.1 15.4 23.0





#29

Chrysene

Concen: 3.38 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

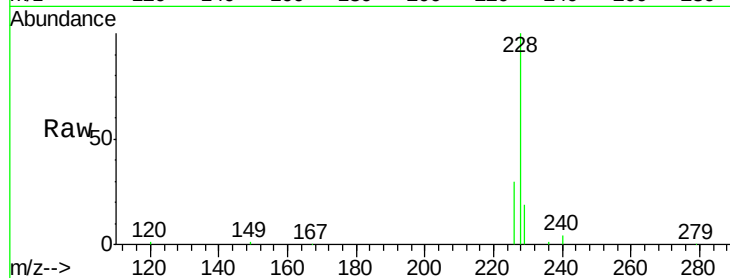
Tgt Ion:228 Resp: 131597

Ion Ratio Lower Upper

228 100

226 30.1 23.1 34.7

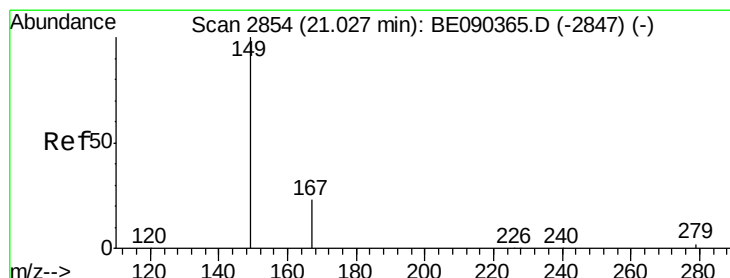
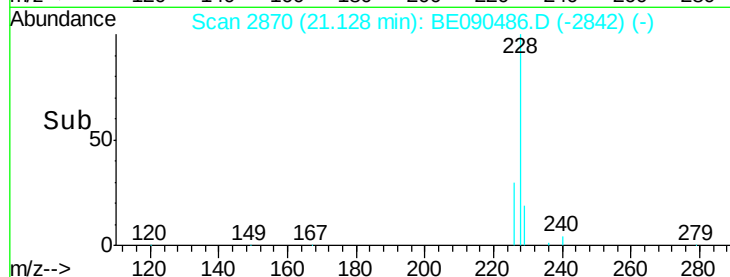
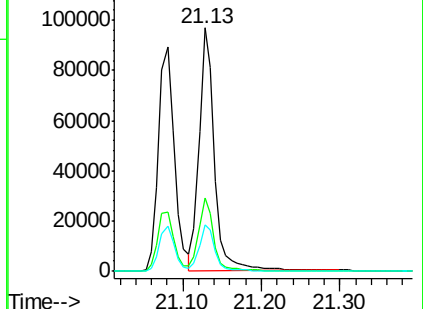
229 19.2 15.8 23.8



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: 4.00 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

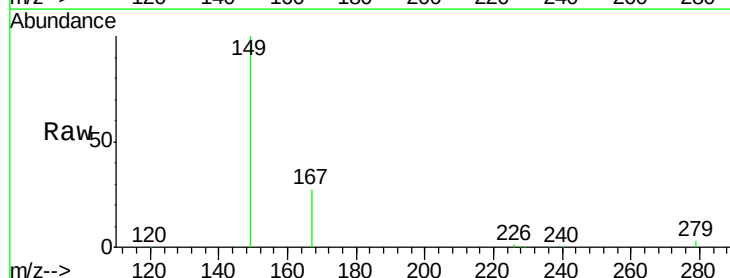
Tgt Ion:149 Resp: 42876

Ion Ratio Lower Upper

149 100

167 25.9 19.8 29.8

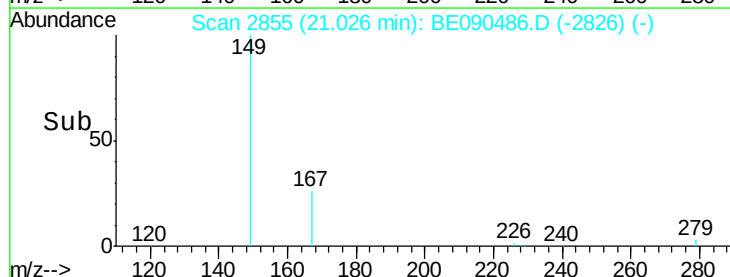
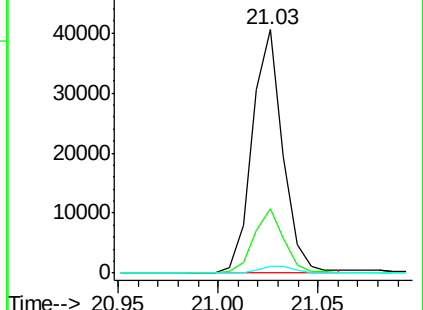
279 3.1 2.4 3.6

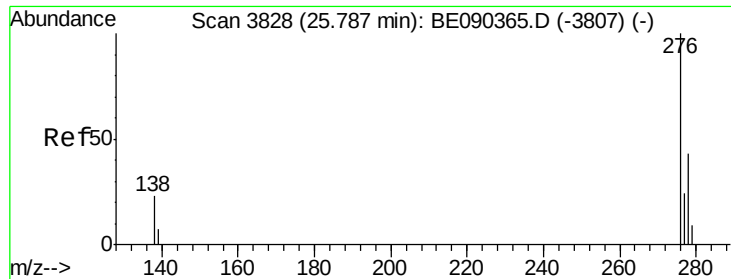


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 3.17 ng

RT: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

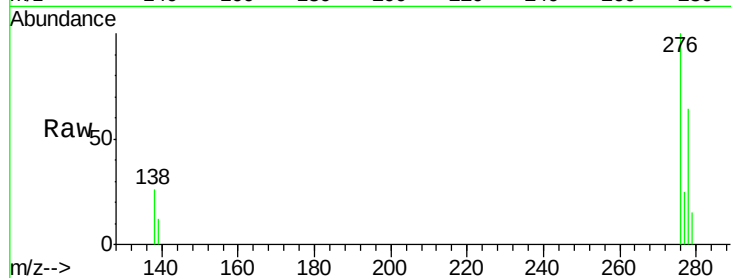
Tgt Ion: 276 Resp: 108029

Ion Ratio Lower Upper

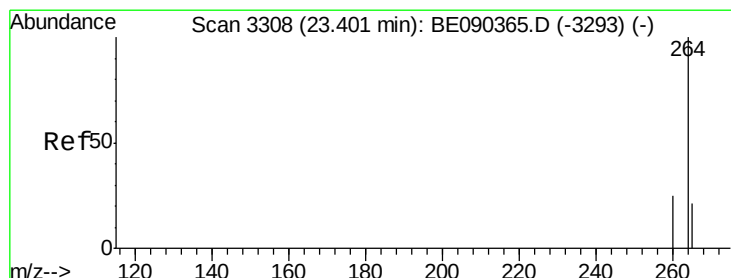
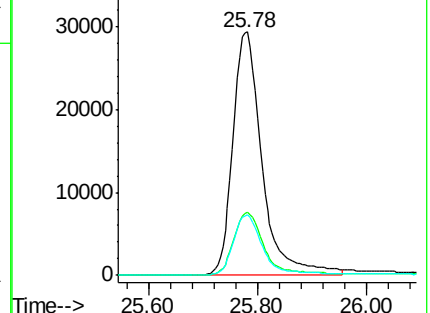
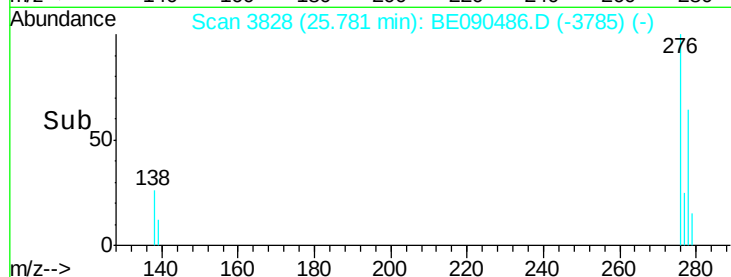
276 100

138 26.5 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: BE090486.D

Acq: 13 Aug 2015 2:35

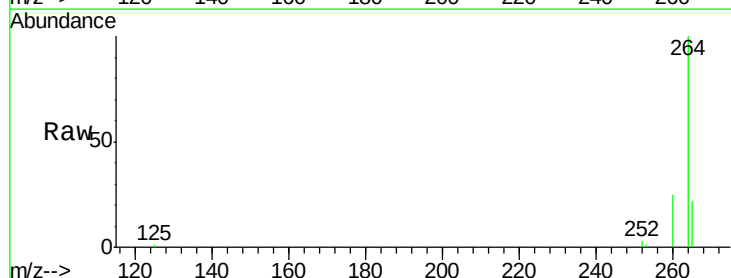
Tgt Ion: 264 Resp: 124483

Ion Ratio Lower Upper

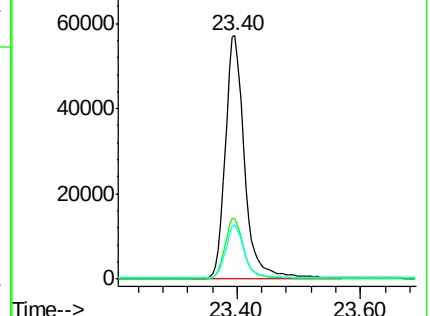
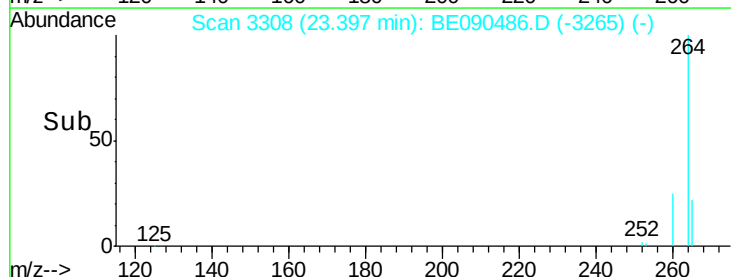
264 100

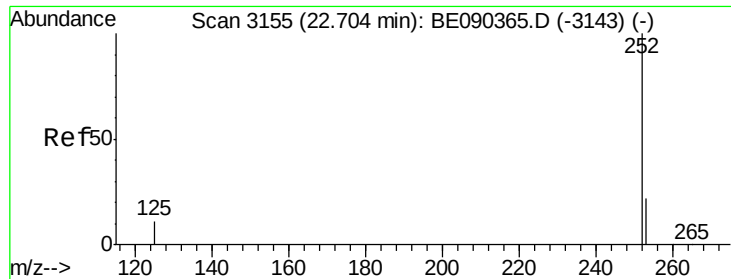
260 24.6 20.1 30.1

265 22.0 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: 3.78 ng

RT: 22.69 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

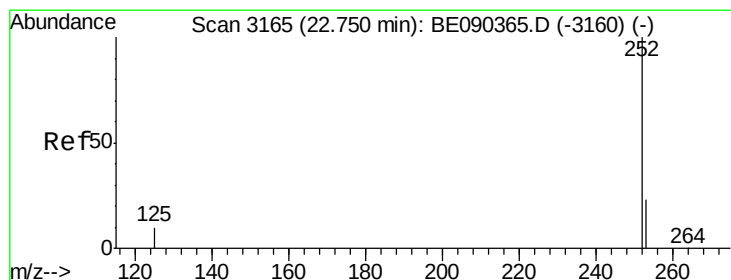
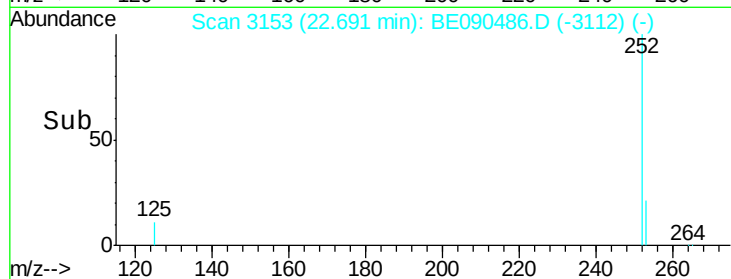
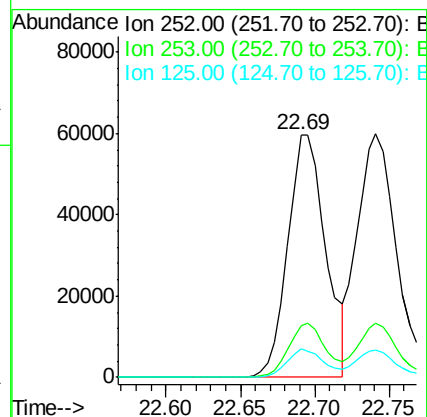
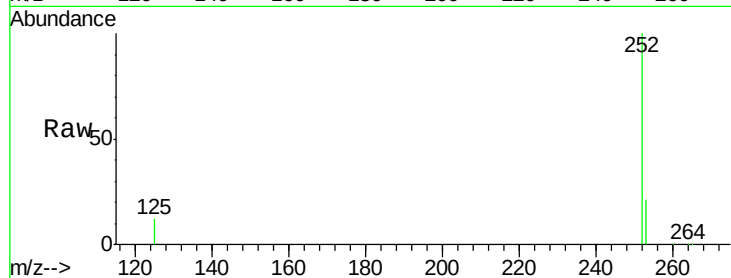
Instrument :

BNA_E

ClientSampleId :

PB84969BSD

Tgt Ion:	252	Resp:	104973
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	11.6	9.4	14.2



#34

Benzo(k)fluoranthene

Concen: 3.38 ng

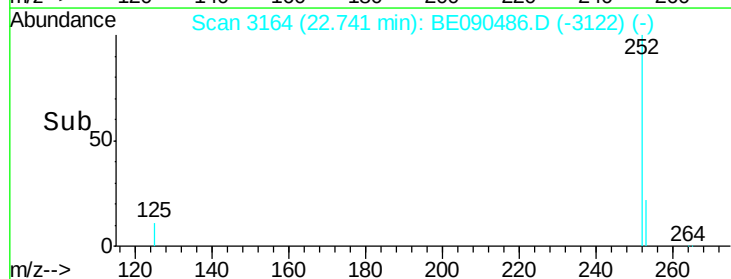
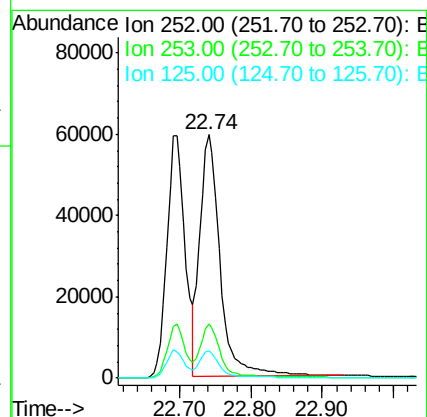
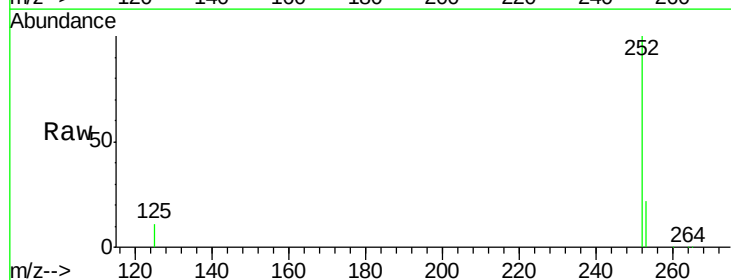
RT: 22.74 min Scan# 3164

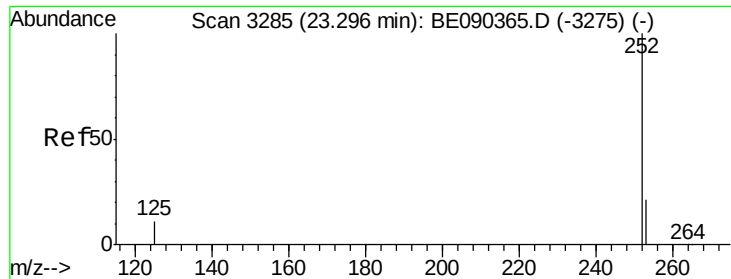
Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Tgt Ion:	252	Resp:	117153
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	11.3	9.1	13.7





#35

Benzo(a)pyrene

Concen: 3.61 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD

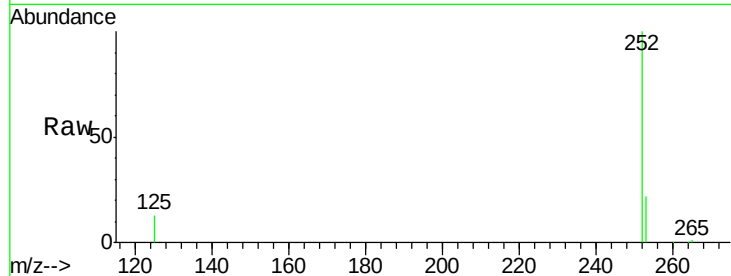
Tgt Ion: 252 Resp: 94350

Ion Ratio Lower Upper

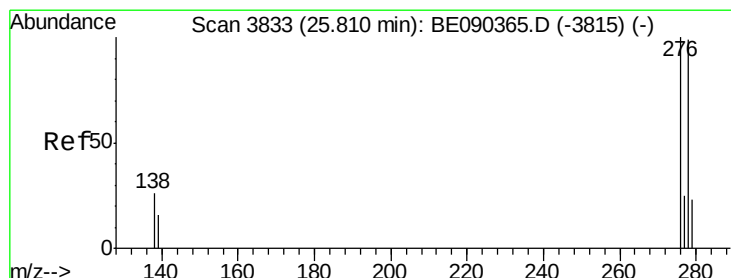
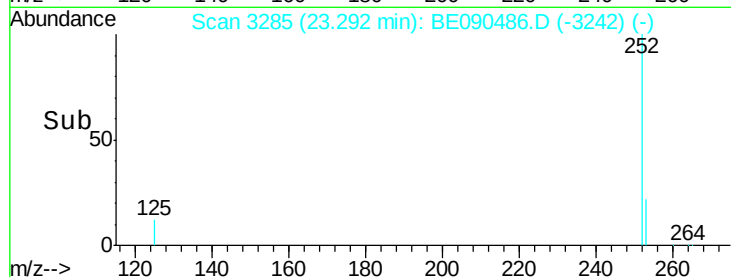
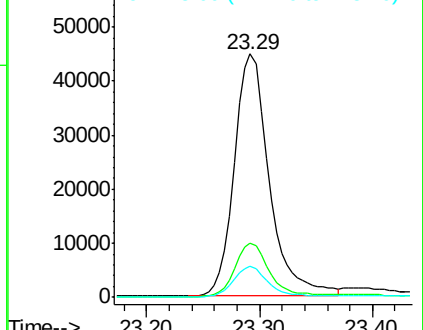
252 100

253 22.1 17.6 26.4

125 12.6 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: 3.41 ng

RT: 25.79 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090486.D

Acq: 13 Aug 2015 2:35

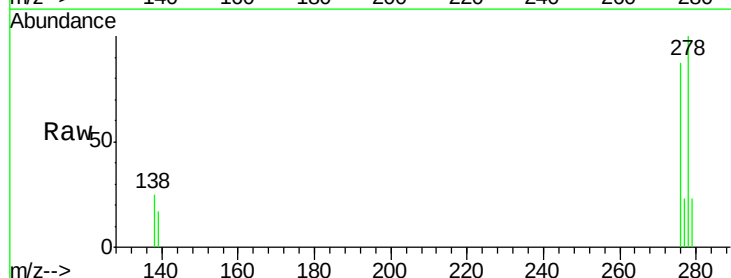
Tgt Ion: 278 Resp: 86476

Ion Ratio Lower Upper

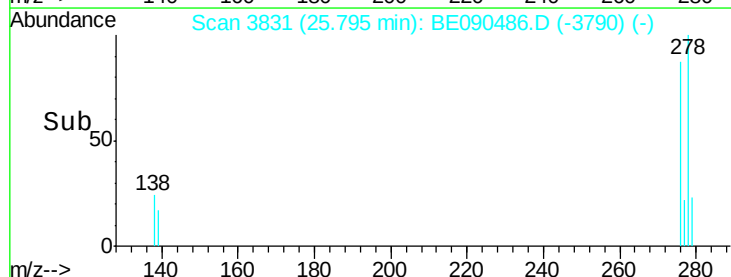
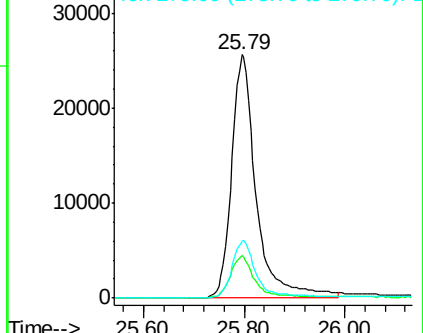
278 100

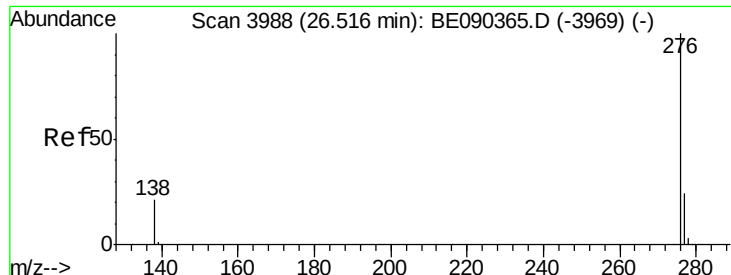
139 17.5 14.2 21.4

279 23.4 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: 4.17 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BE090486.D

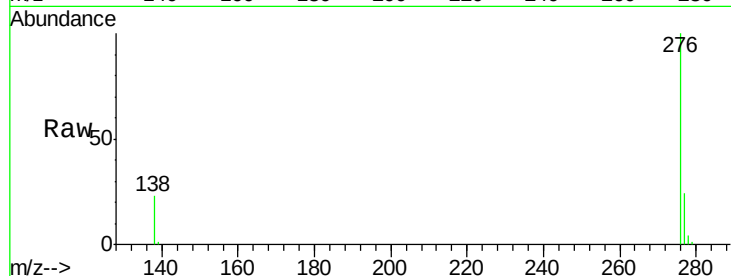
Acq: 13 Aug 2015 2:35

Instrument :

BNA_E

ClientSampleId :

PB84969BSD



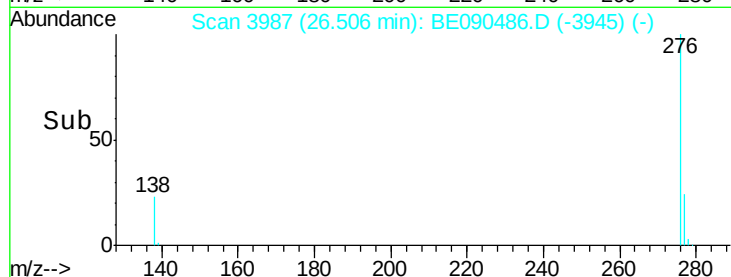
Tgt Ion: 276 Resp: 95885

Ion Ratio Lower Upper

276 100

277 24.2 20.1 30.1

138 22.9 18.1 27.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

