

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090488.D
 Acq On : 13 Aug 2015 3:46
 Operator : UM/IZ
 Sample : PB84984BS
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 04:21:12 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	18116	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	84192	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	49323	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	115369	5.00	ng	0.00
25) Chrysene-d12	21.09	240	141285	5.00	ng	0.00
32) Perylene-d12	23.40	264	121786	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	31945	11.75	ng	0.00
5) Phenol-d6	6.76	99	51641	8.73	ng	-0.01
7) Nitrobenzene-d5	8.72	82	25029	3.71	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	14794	9.16	ng	-0.02
14) 2-Fluorobiphenyl	12.81	172	57441	4.23	ng	0.00
27) Terphenyl-d14	19.55	244	93467	4.49	ng	-0.01

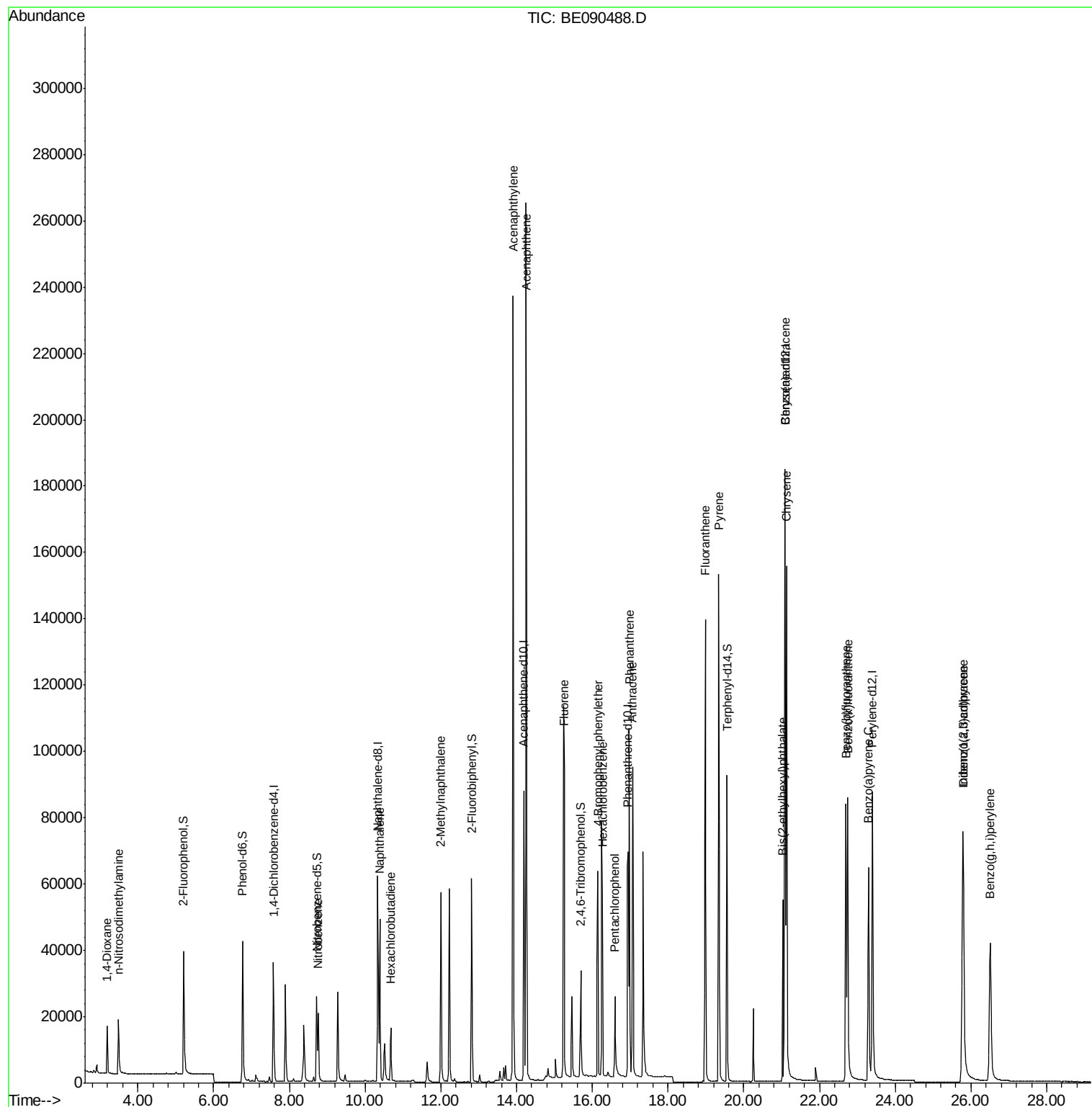
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	8272	3.85	ng	98
3) n-Nitrosodimethylamine	3.49	42	10537	3.76	ng	89
8) Nitrobenzene	8.76	77	25403	3.53	ng	98
9) Naphthalene	10.38	128	66876	3.60	ng	98
10) Hexachlorobutadiene	10.68	225	11220	3.98	ng	99
11) 2-Methylnaphthalene	12.00	142	44149	4.09	ng	99
15) Acenaphthylene	13.91	152	317281	3.97	ng	100
16) Acenaphthene	14.26	154	46942	3.78	ng	91
17) Fluorene	15.26	166	64567	4.00	ng	97
19) 4-Bromophenyl-phenylether	16.14	248	18537	4.13	ng	98
20) Hexachlorobenzene	16.27	284	82398	3.55	ng	99
21) Pentachlorophenol	16.60	266	14228	7.83	ng	91
22) Phenanthrene	16.98	178	110704	3.83	ng	100
23) Anthracene	17.07	178	106495	4.49	ng	100
24) Fluoranthene	18.98	202	125351	4.41	ng	100
26) Pyrene	19.34	202	136603	4.46	ng	99
28) Benzo(a)anthracene	21.08	228	131848	4.21	ng	98
29) Chrysene	21.13	228	136884	3.62	ng	97
30) Bis(2-ethylhexyl)phthalate	21.03	149	44264	4.18	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	114047	3.42	ng	95
33) Benzo(b)fluoranthene	22.70	252	110023	4.04	ng	98
34) Benzo(k)fluoranthene	22.74	252	123776	3.65	ng	99
35) Benzo(a)pyrene	23.29	252	99659	3.88	ng	100
36) Dibenzo(a,h)anthracene	25.80	278	90482	3.63	ng	98
37) Benzo(g,h,i)perylene	26.51	276	100316	4.46	ng	98

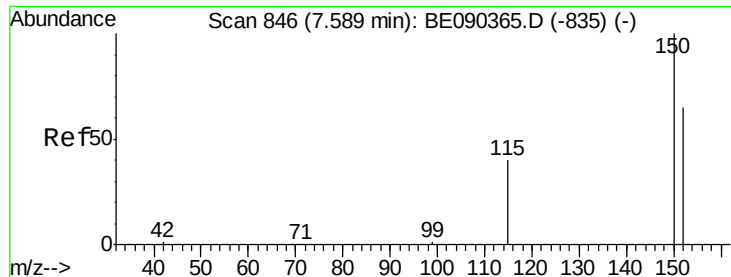
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampled :

Quant Time: Aug 13 04:21:12 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: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

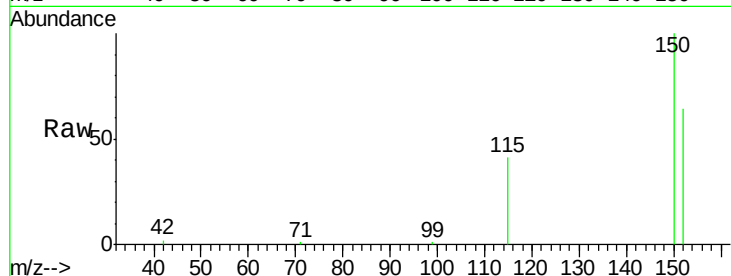
Tot Ion:152 Resp: 18116

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

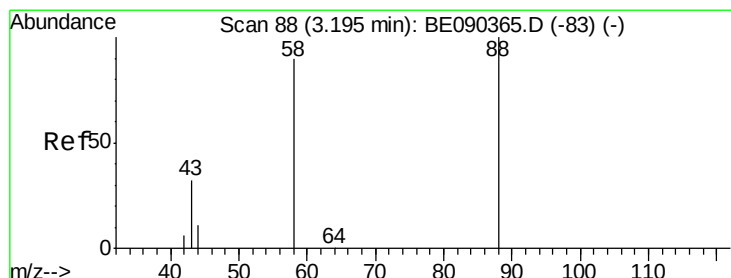
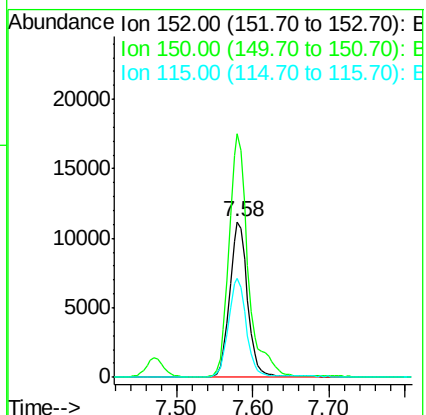
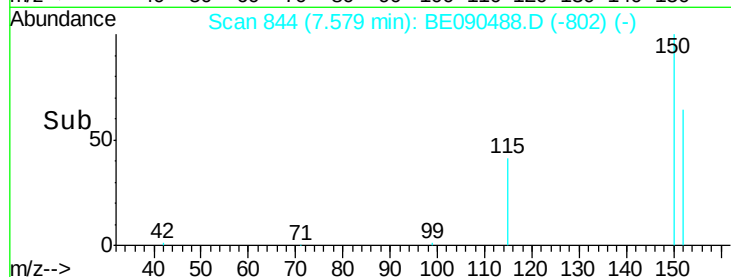
115 63.6 48.9 73.3



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: 3.85 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

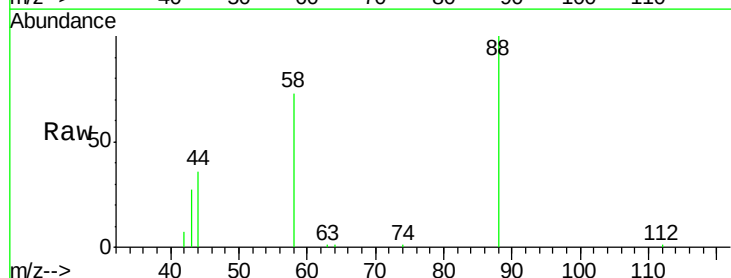
Tgt Ion: 88 Resp: 8272

Ion Ratio Lower Upper

88 100

58 86.6 70.0 105.0

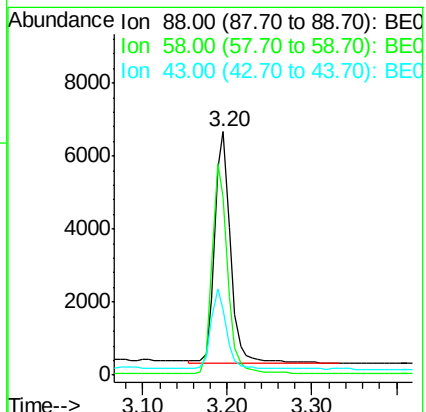
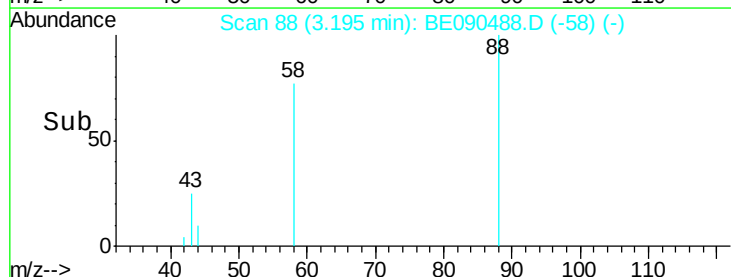
43 32.5 28.4 42.6

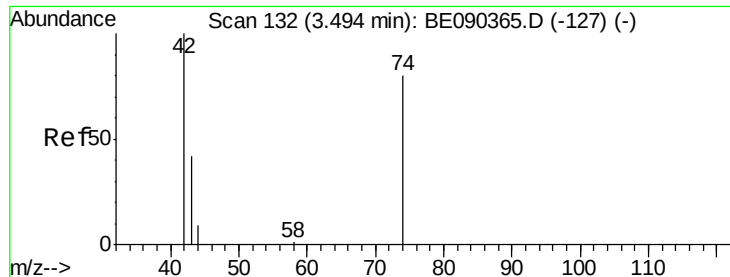


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



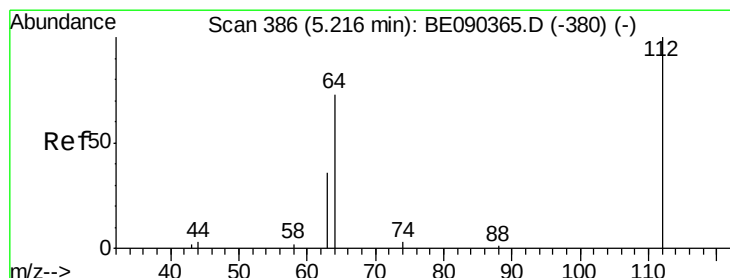
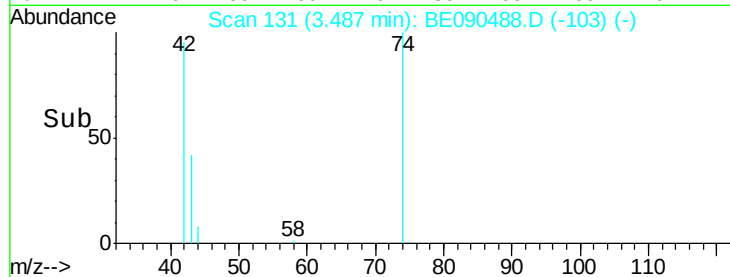
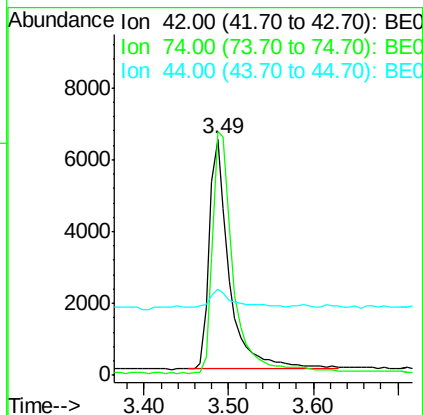
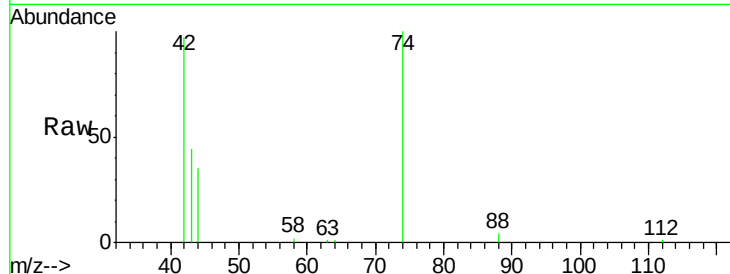


#3

n-Nitrosodimethylamine
 Concen: 3.76 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

Instrument :
 BNA_E
 ClientSampled :

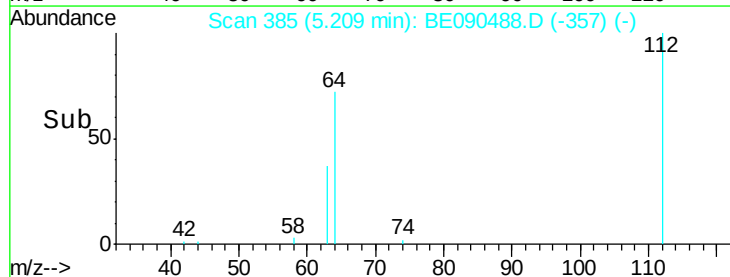
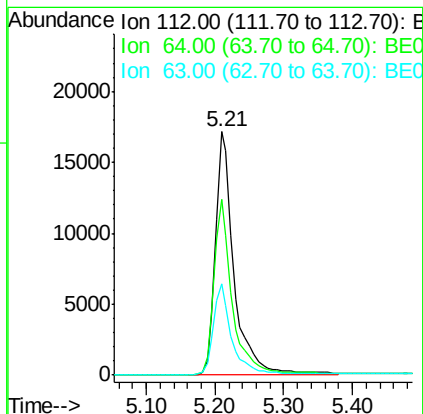
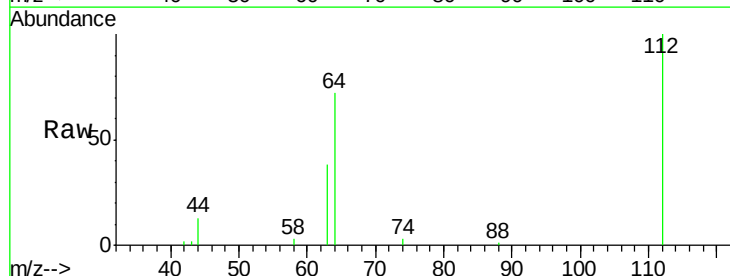
Tot Ion: 42 Resp: 10537
 Ion Ratio Lower Upper
 42 100
 74 105.2 75.2 112.8
 44 9.8 8.7 13.1

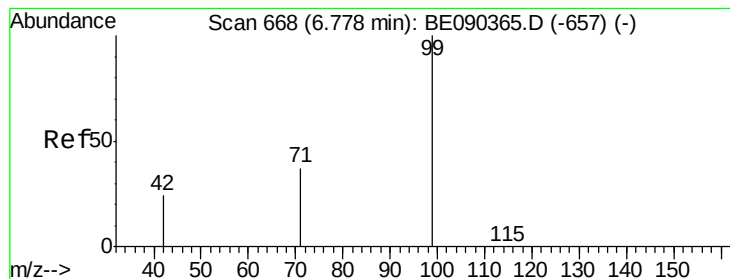


#4

2-Fluorophenol
 Concen: 11.75 ng
 RT: 5.21 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

Tgt Ion: 112 Resp: 31945
 Ion Ratio Lower Upper
 112 100
 64 70.6 37.1 55.7#
 63 36.7 19.5 29.3#





#5

Phenol-d6

Concen: 8.73 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

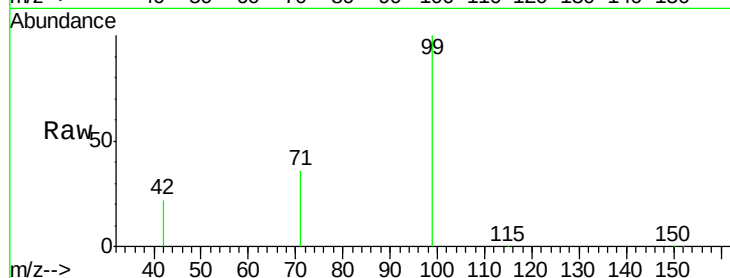
Tot Ion: 99 Resp: 51641

Ion Ratio Lower Upper

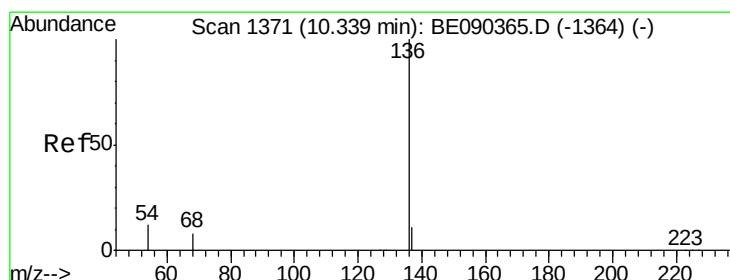
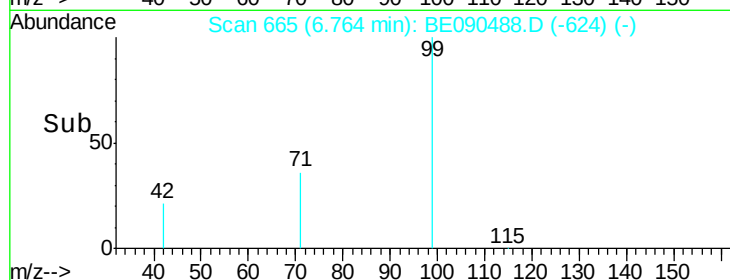
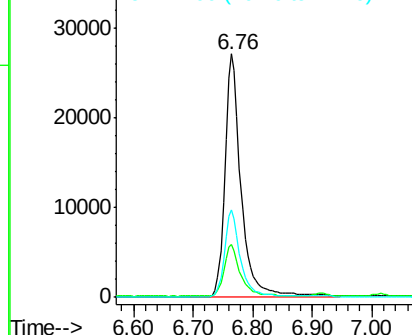
99 100

42 21.9 18.2 27.4

71 35.2 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: BE090488.D

Acq: 13 Aug 2015 3:46

Tgt Ion: 136 Resp: 84192

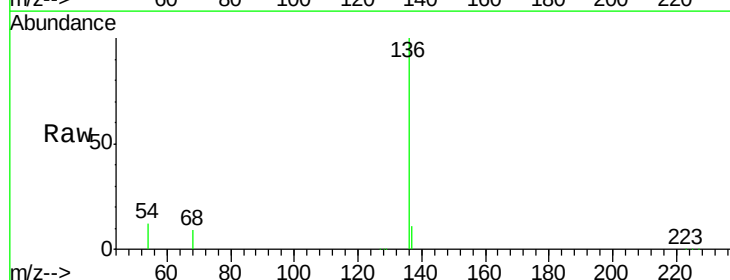
Ion Ratio Lower Upper

136 100

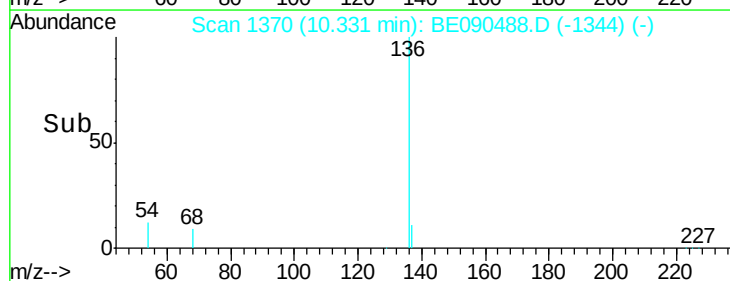
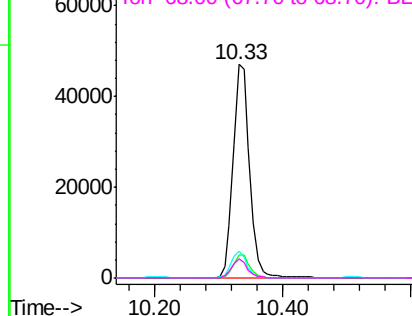
137 10.9 8.7 13.1

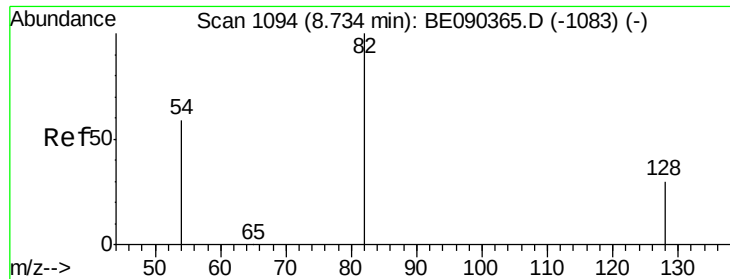
54 12.4 9.4 14.0

68 8.9 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: 3.71 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampled :

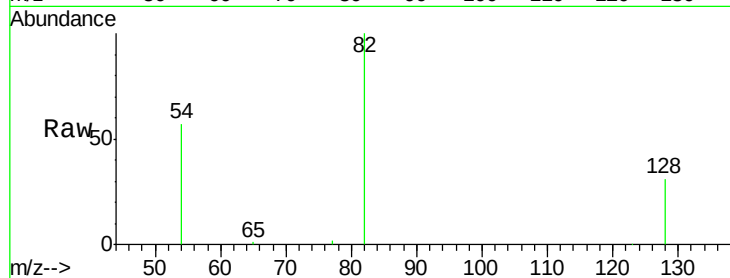
Tot Ion: 82 Resp: 25029

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.6

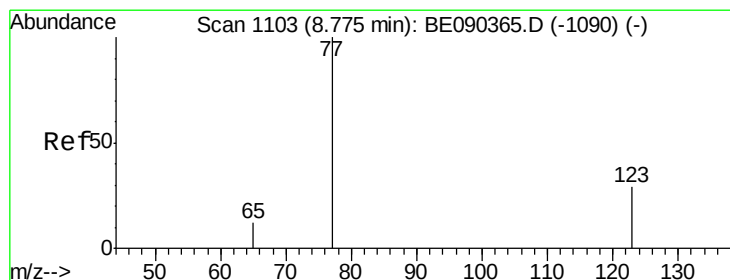
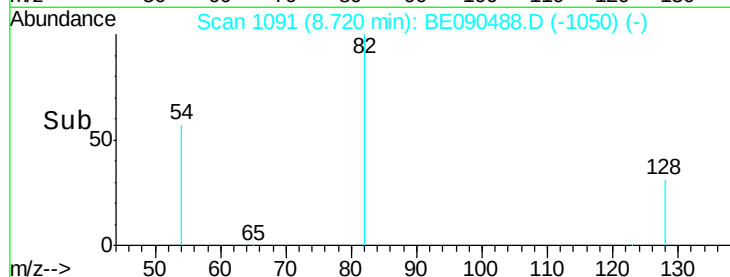
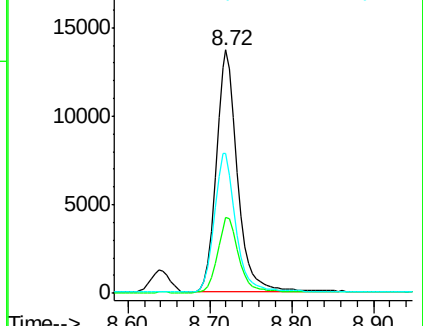
54 57.2 48.8 73.2



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: 3.53 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

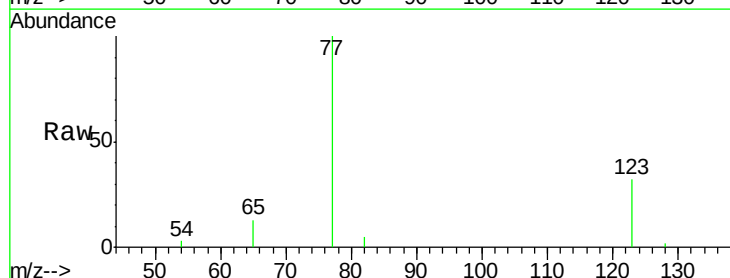
Tgt Ion: 77 Resp: 25403

Ion Ratio Lower Upper

77 100

123 32.4 25.1 37.7

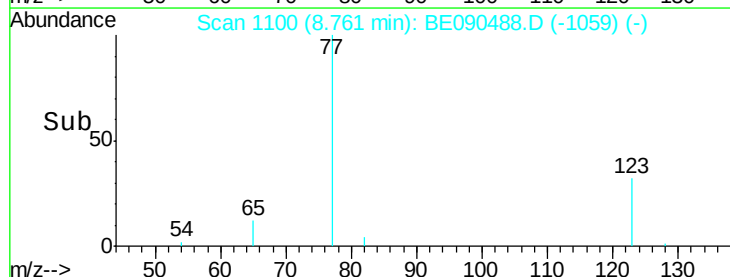
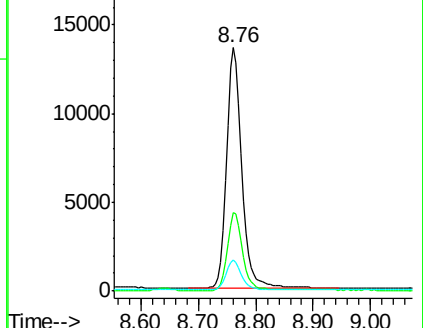
65 12.4 9.3 13.9

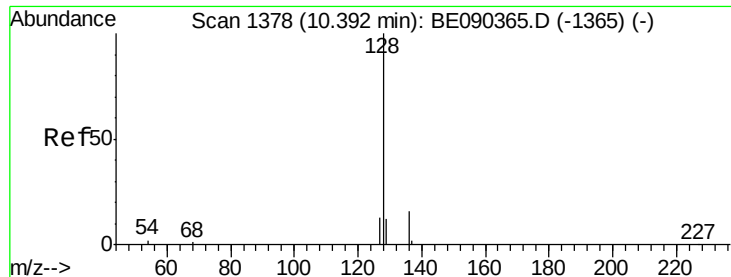


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.60 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

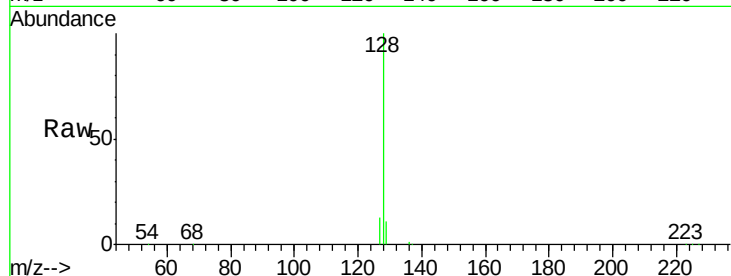
Tot Ion:128 Resp: 66876

Ion Ratio Lower Upper

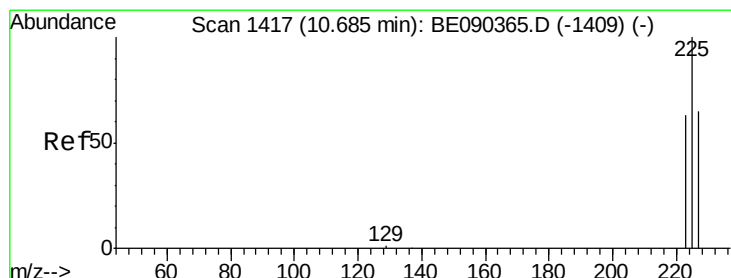
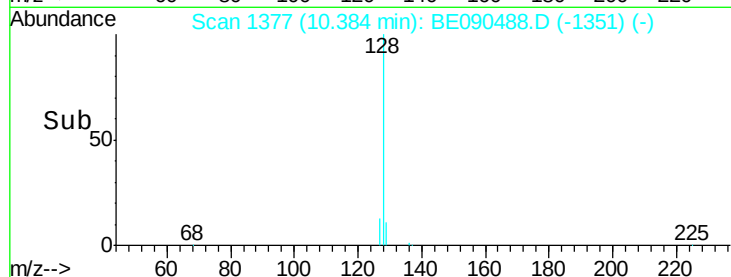
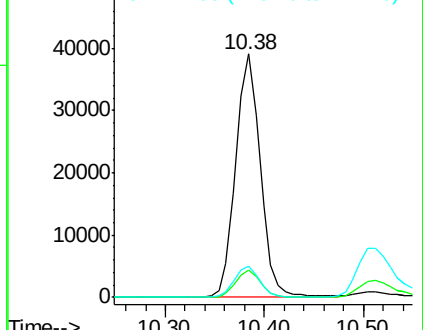
128 100

129 11.1 9.8 14.6

127 13.0 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: 3.98 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

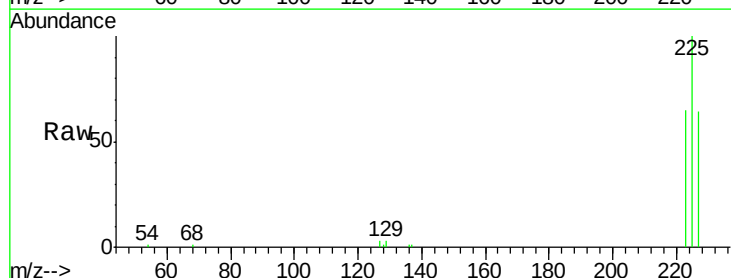
Tgt Ion:225 Resp: 11220

Ion Ratio Lower Upper

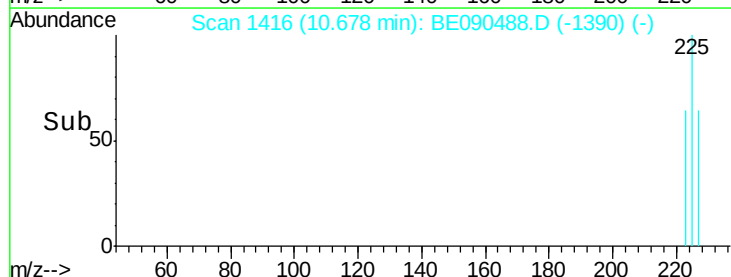
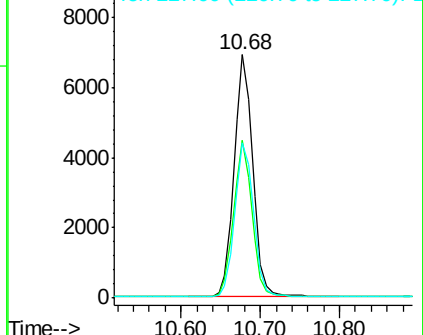
225 100

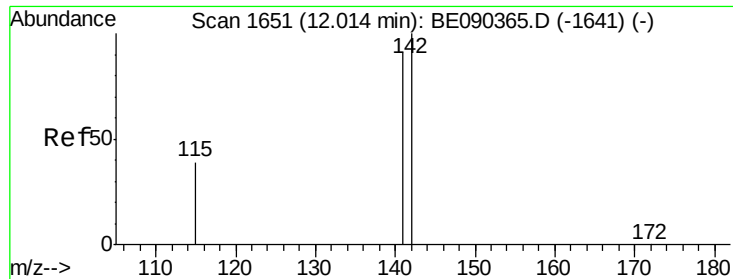
223 63.5 50.6 75.8

227 64.4 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

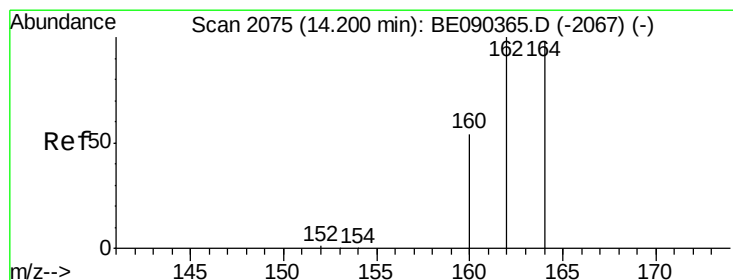
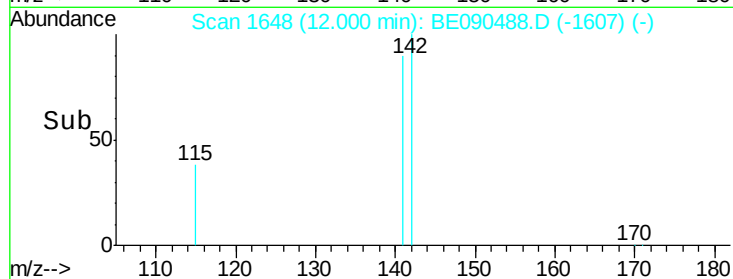
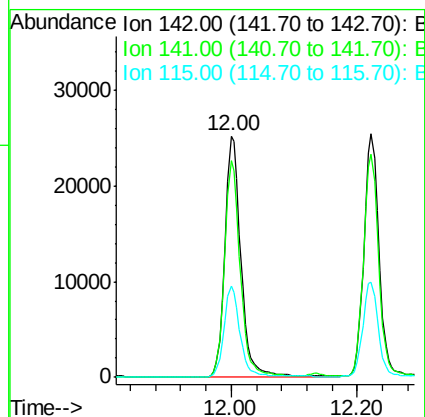
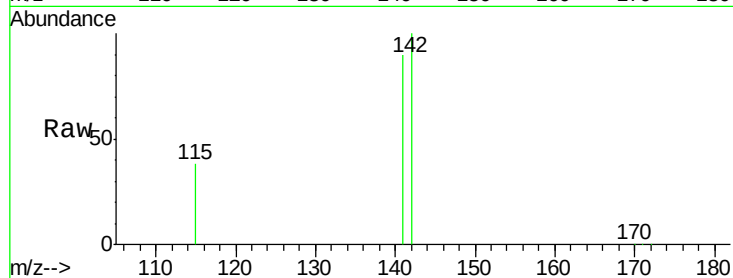




#11
2-Methylnaphthalene
Concen: 4.09 ng
RT: 12.00 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

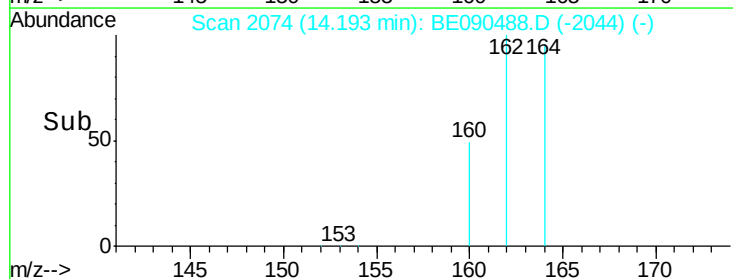
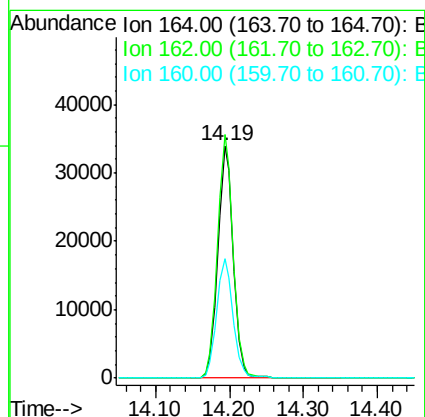
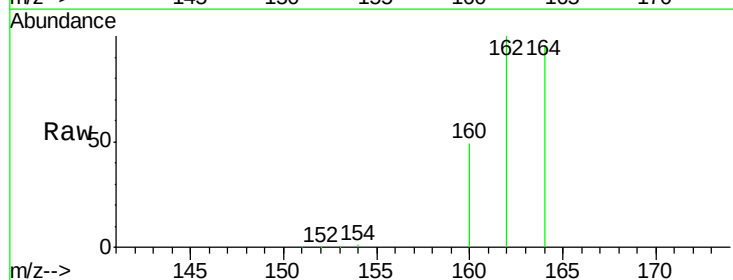
Instrument :
BNA_E
ClientSampleId :

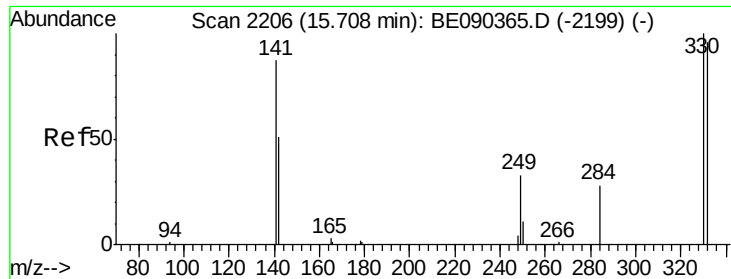
Tot Ion:142 Resp: 44149
Ion Ratio Lower Upper
142 100
141 89.9 72.6 109.0
115 38.1 31.6 47.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

Tgt Ion:164 Resp: 49323
Ion Ratio Lower Upper
164 100
162 104.7 81.8 122.8
160 51.4 44.2 66.4

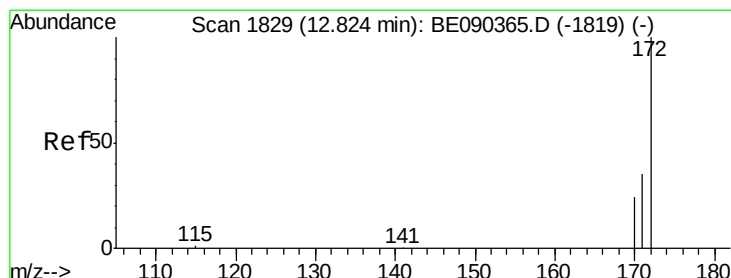
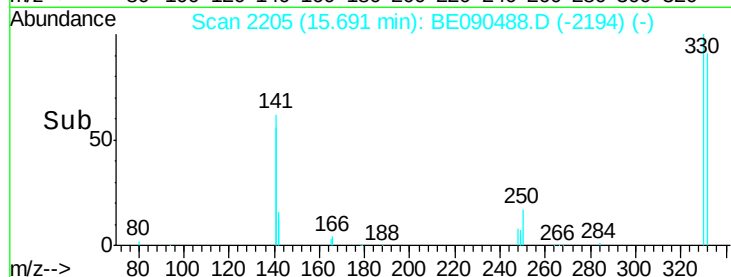
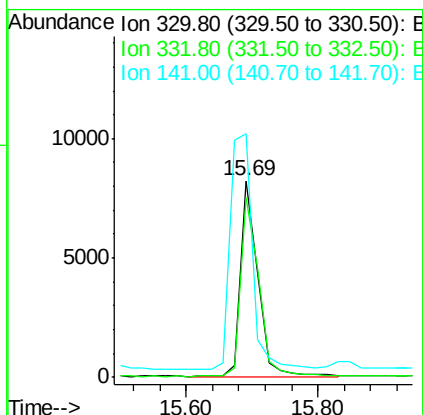
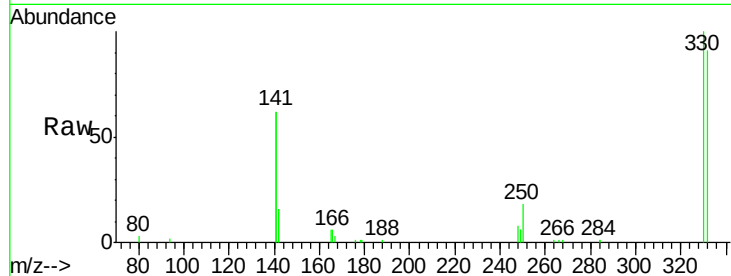




#13
 2,4,6-Tribromophenol
 Concen: 9.16 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

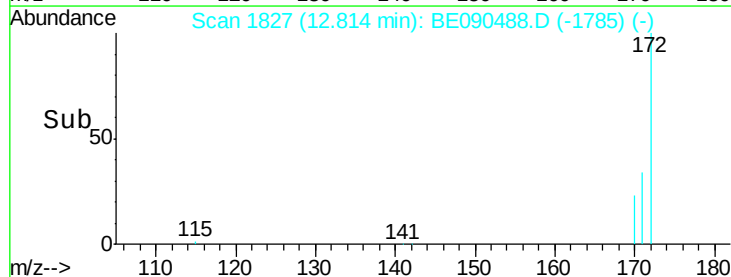
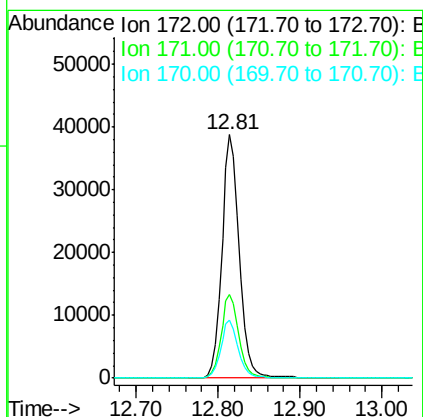
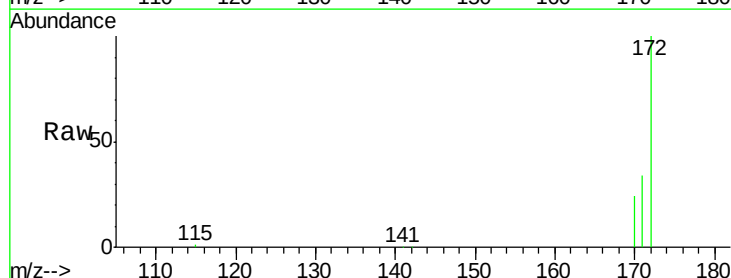
Instrument :
 BNA_E
 ClientSampleId :

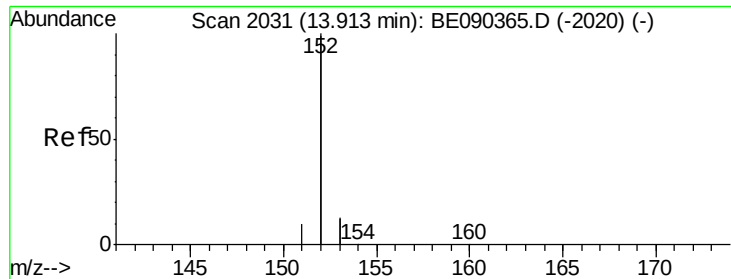
Tot Ion:330 Resp: 14794
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.8 113.6
 141 156.0 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 4.23 ng
 RT: 12.81 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

Tgt Ion:172 Resp: 57441
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.5 42.7
 170 23.6 19.8 29.8

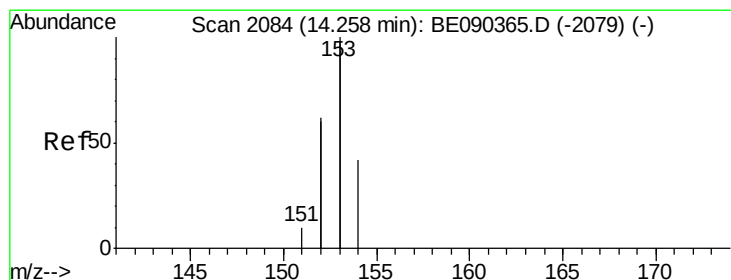
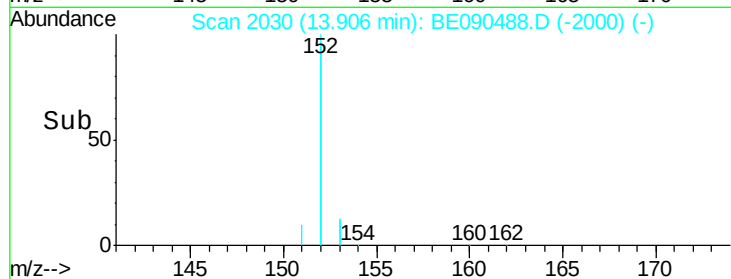
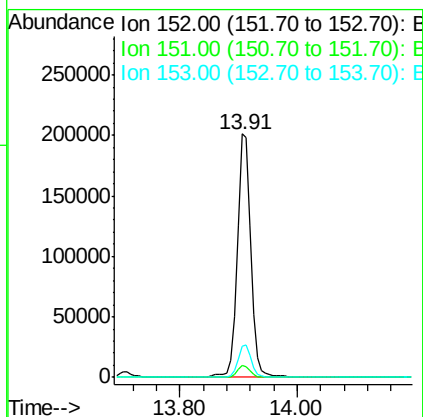
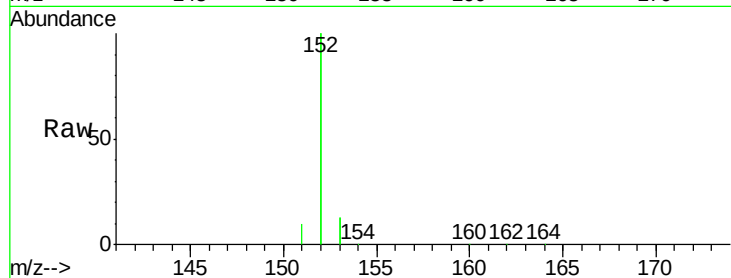




#15
Acenaphthylene
Concen: 3.97 ng
RT: 13.91 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

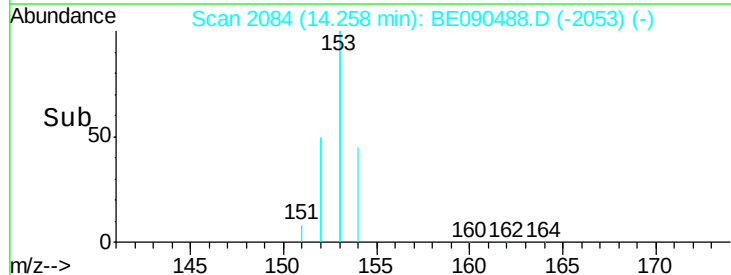
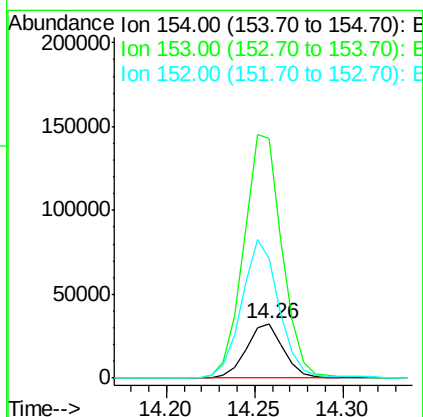
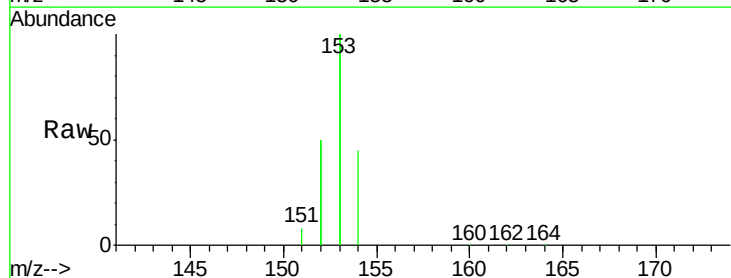
Instrument :
BNA_E
ClientSampleId :

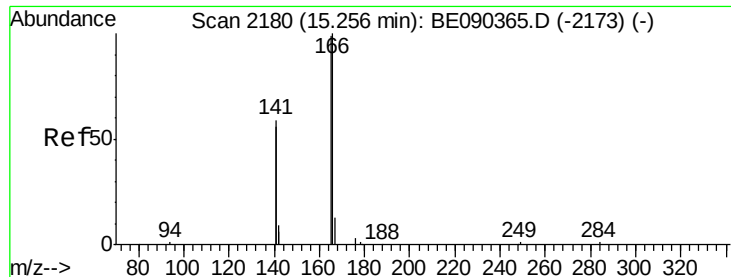
Tot Ion:152 Resp: 317281
Ion Ratio Lower Upper
152 100
151 4.8 3.8 5.8
153 13.0 10.3 15.5



#16
Acenaphthene
Concen: 3.78 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

Tgt Ion:154 Resp: 46942
Ion Ratio Lower Upper
154 100
153 464.8 376.2 564.2
152 256.6 235.0 352.4

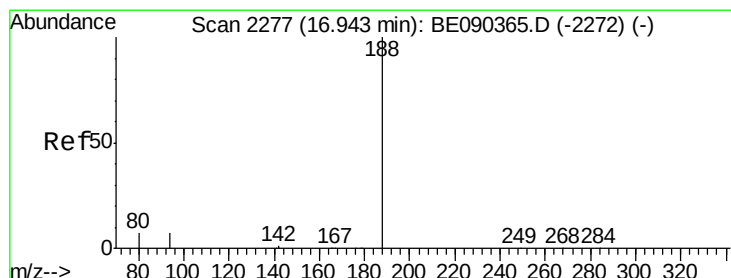
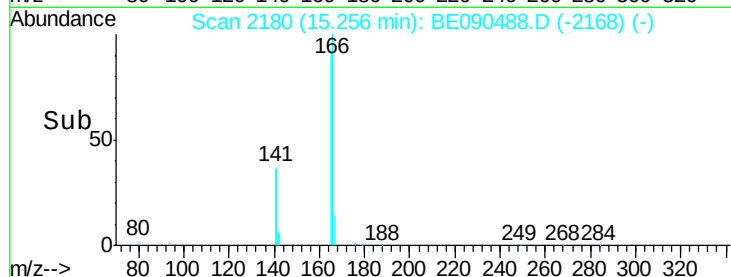
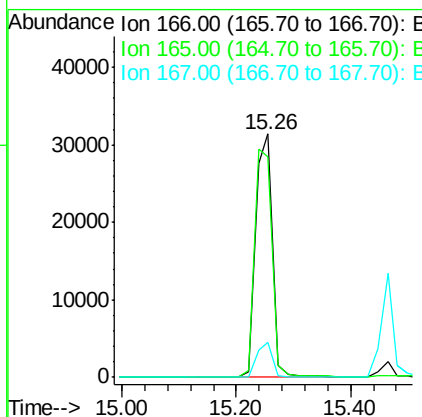
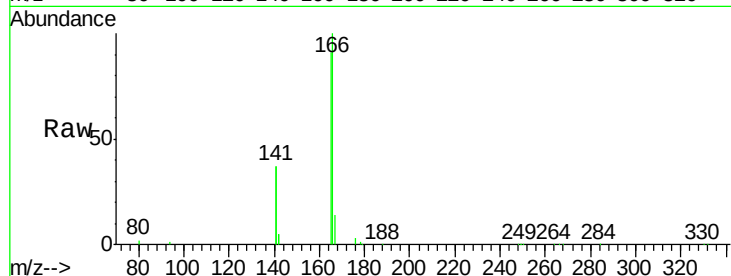




#17
Fluorene
 Concen: 4.00 ng
 RT: 15.26 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

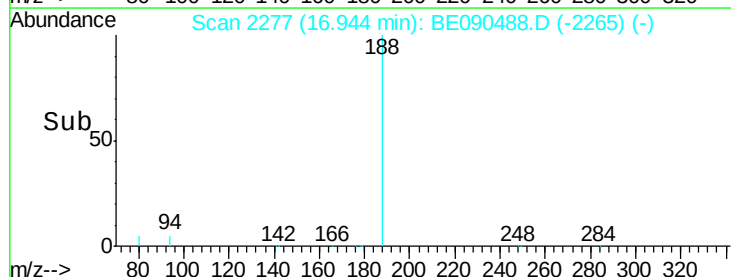
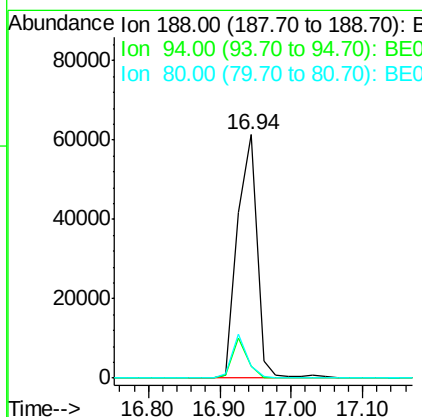
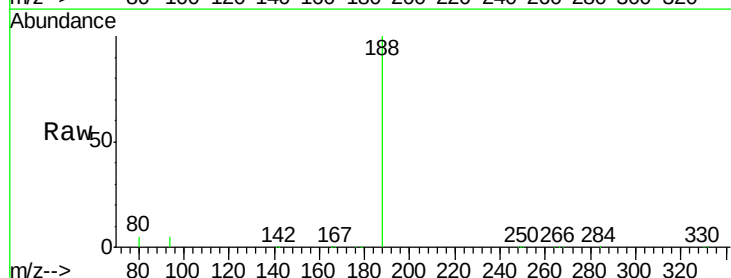
Instrument :
 BNA_E
 ClientSampleId :

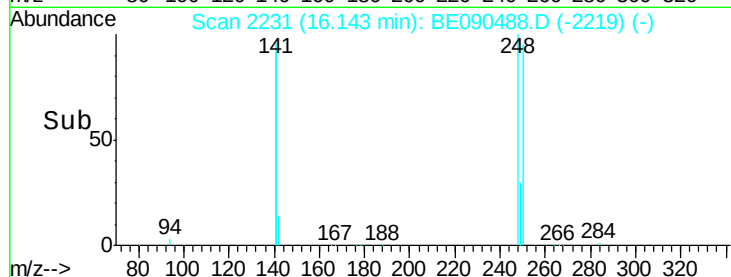
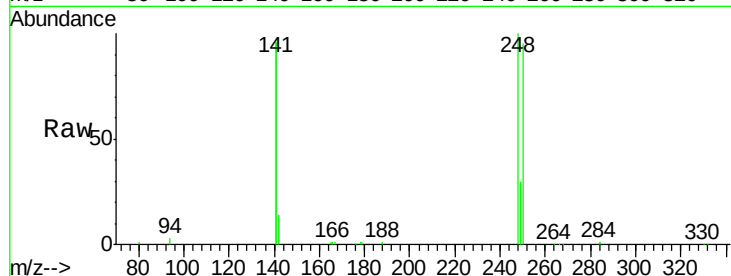
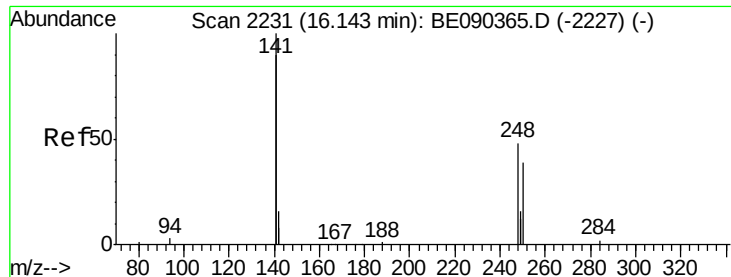
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	81.5	122.3
167	13.5	11.4	17.0



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. 0.00 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	5.7	8.5#
80	4.9	5.8	8.8#

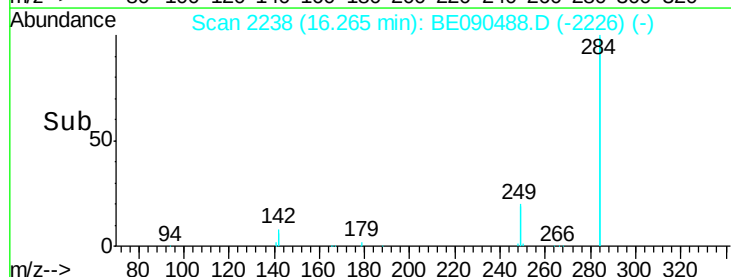
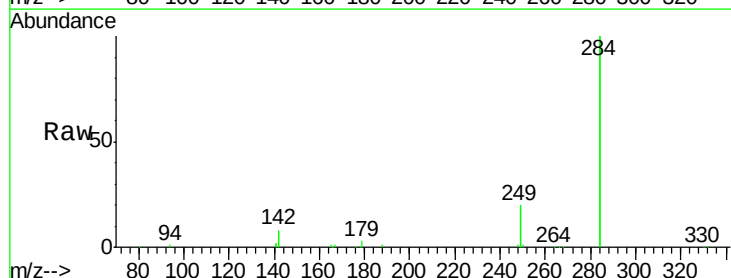
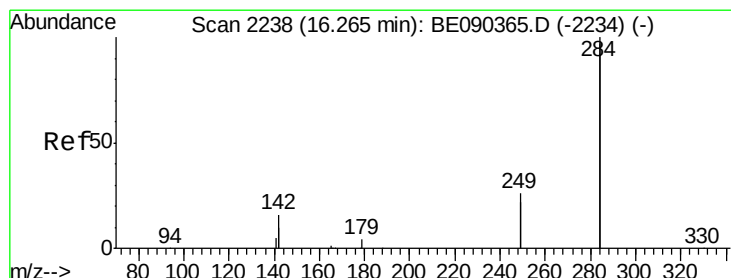
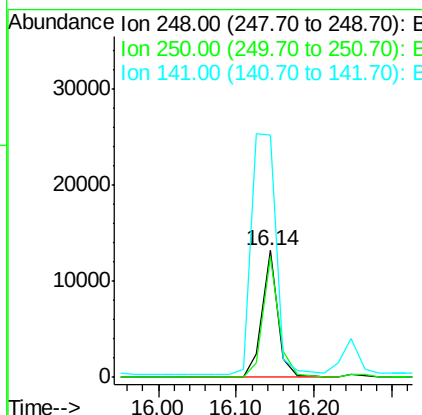




#19
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

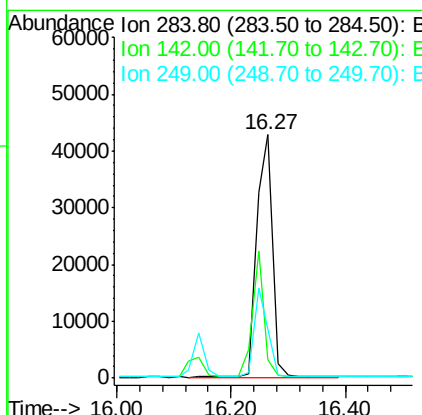
Instrument :
BNA_E
ClientSampleId :

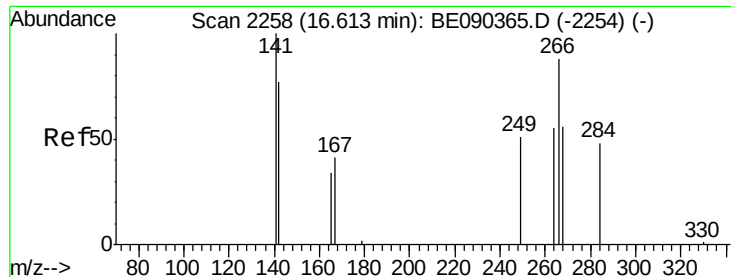
Tot Ion:248 Resp: 18537
Ion Ratio Lower Upper
248 100
250 95.9 79.0 118.6
141 297.4 239.5 359.3



#20
Hexachlorobenzene
Concen: 3.55 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090488.D
Acq: 13 Aug 2015 3:46

Tgt Ion:284 Resp: 82398
Ion Ratio Lower Upper
284 100
142 38.0 30.1 45.1
249 31.8 25.7 38.5





#21

Pentachlorophenol

Concen: 7.83 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

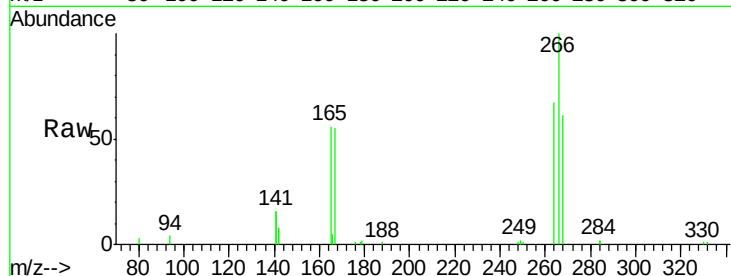
Tot Ion:266 Resp: 14228

Ion Ratio Lower Upper

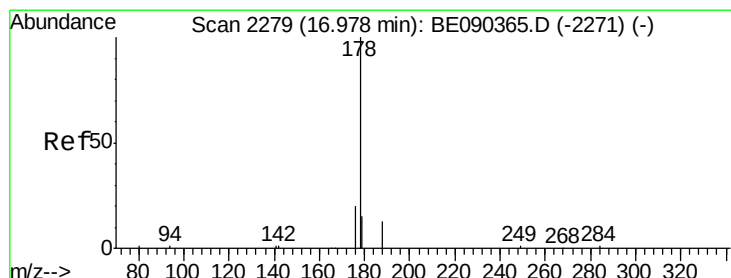
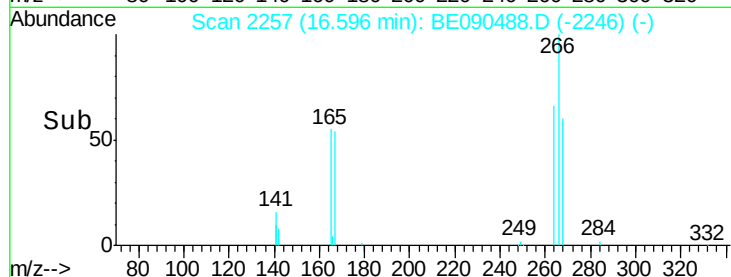
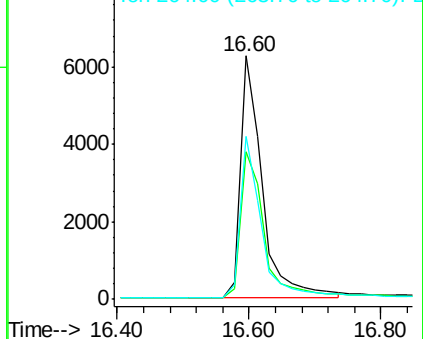
266 100

268 60.8 58.5 87.7

264 66.7 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: 3.83 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

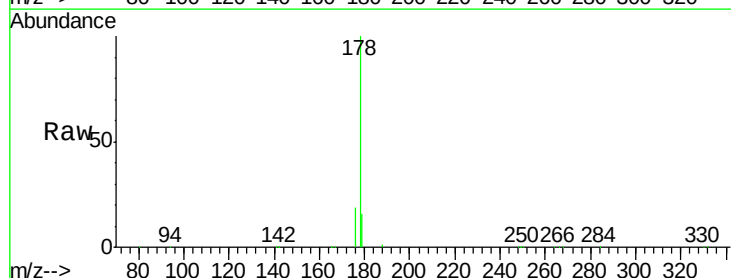
Tgt Ion:178 Resp: 110704

Ion Ratio Lower Upper

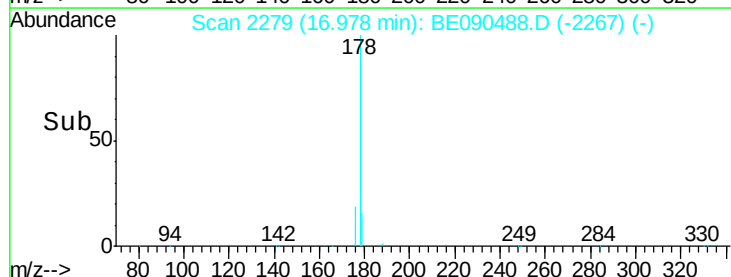
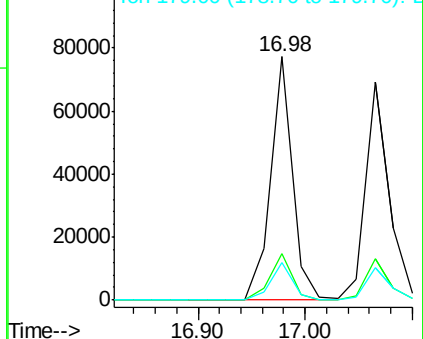
178 100

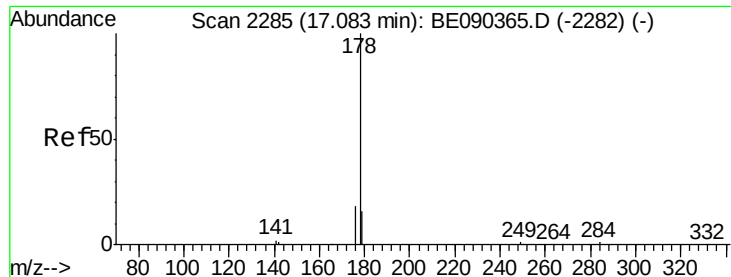
176 19.3 15.4 23.2

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: 4.49 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

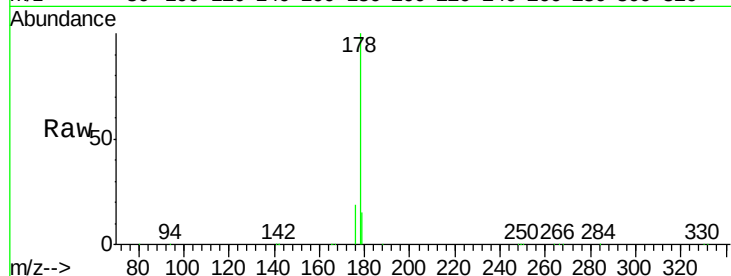
Tot Ion:178 Resp: 106495

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

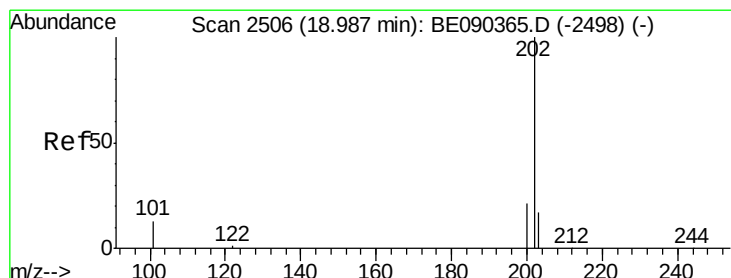
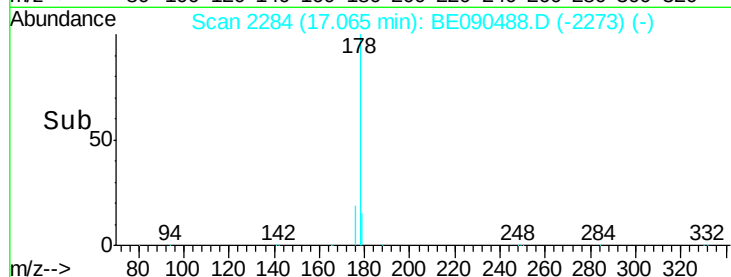
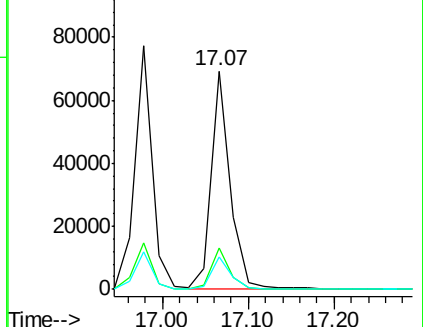
179 15.4 12.2 18.4



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: 4.41 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

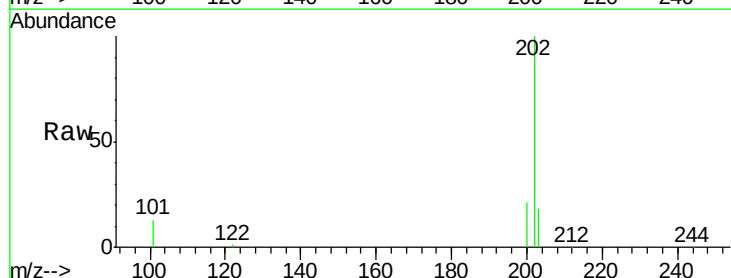
Tgt Ion:202 Resp: 125351

Ion Ratio Lower Upper

202 100

101 13.3 10.3 15.5

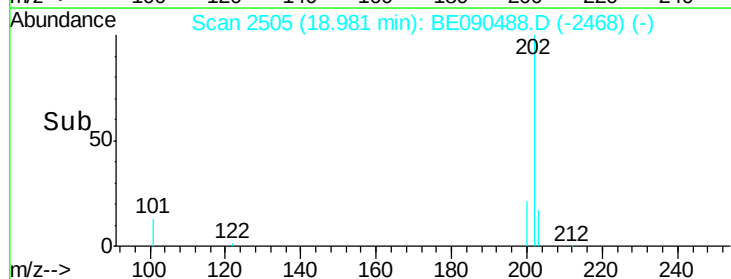
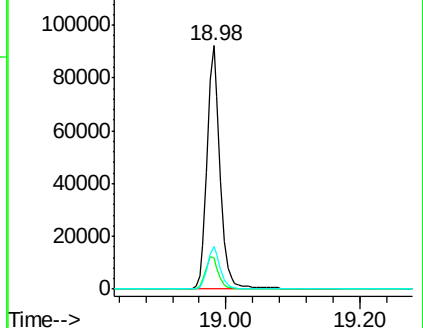
203 17.1 13.7 20.5

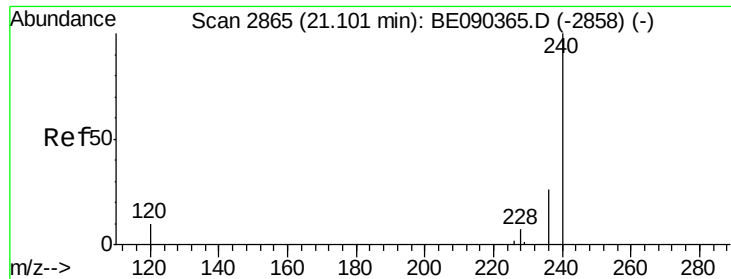


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

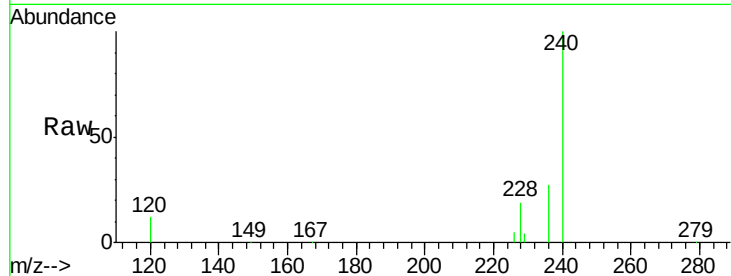
Tot Ion:240 Resp: 141285

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

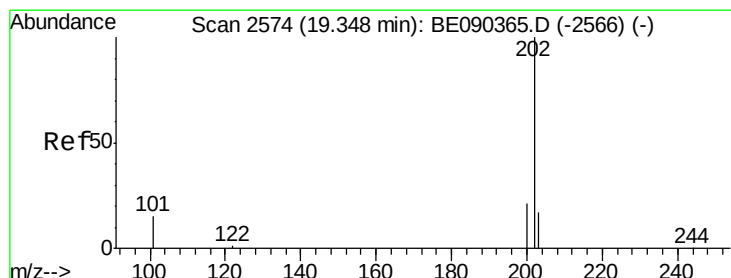
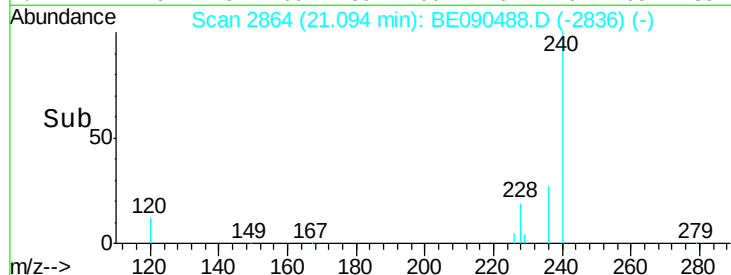
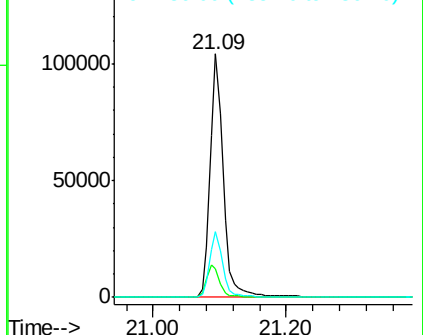
236 26.9 21.0 31.4



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: 4.46 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

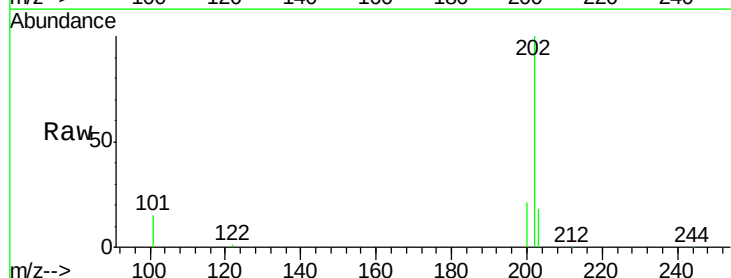
Tgt Ion:202 Resp: 136603

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

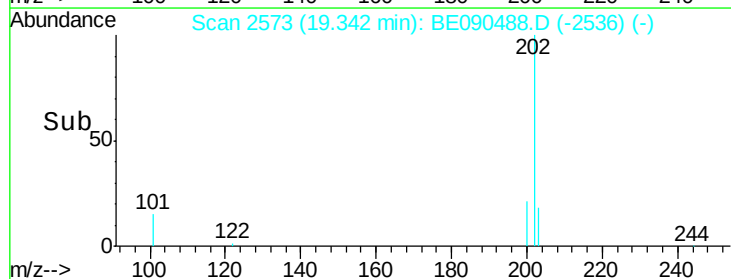
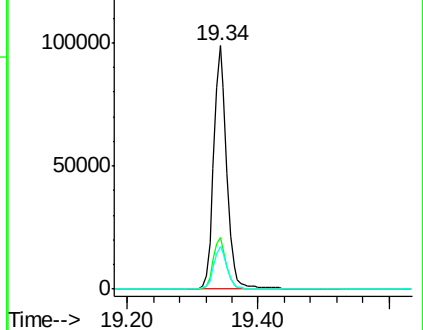
203 18.0 13.8 20.8

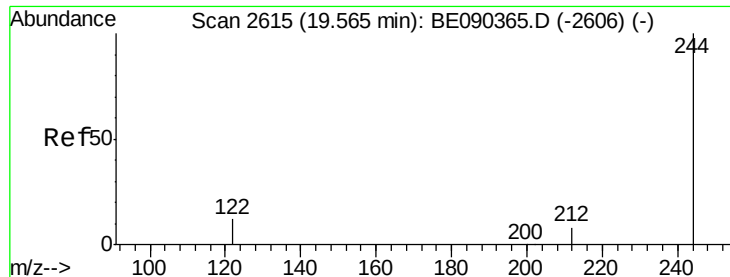


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 4.49 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

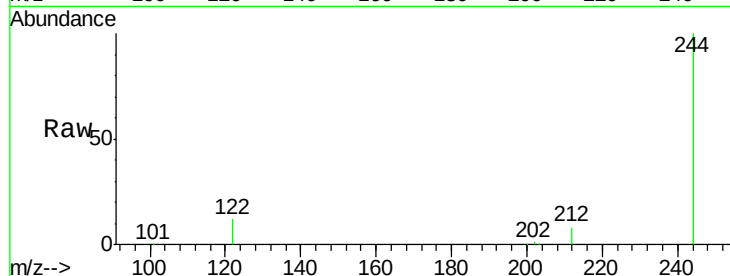
Tot Ion:244 Resp: 93467

Ion Ratio Lower Upper

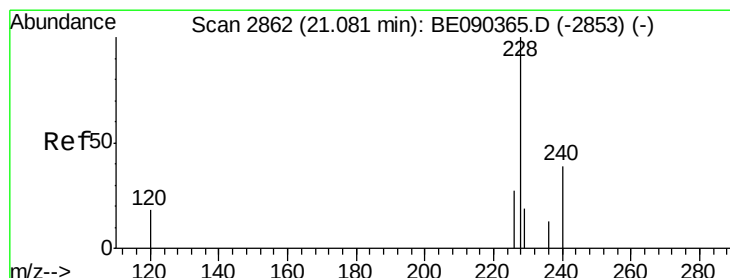
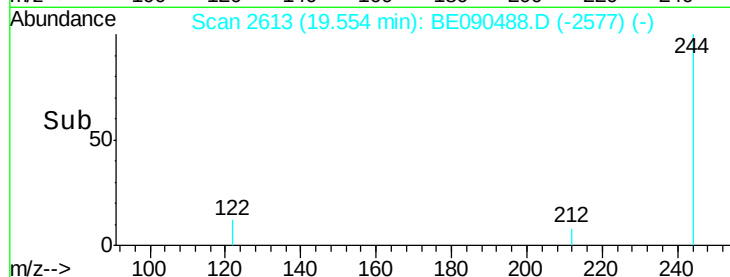
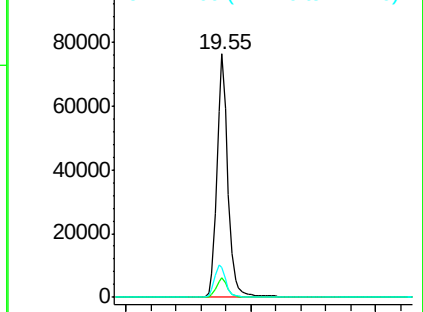
244 100

212 8.1 6.6 9.8

122 12.2 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 4.21 ng

RT: 21.08 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

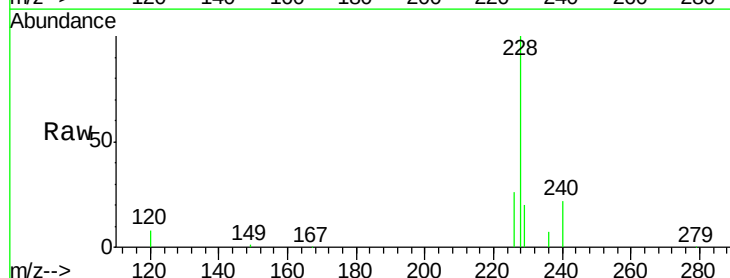
Tgt Ion:228 Resp: 131848

Ion Ratio Lower Upper

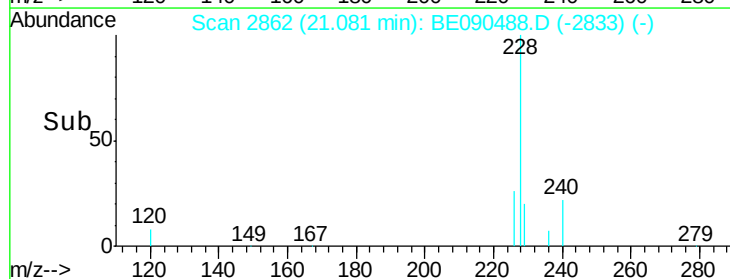
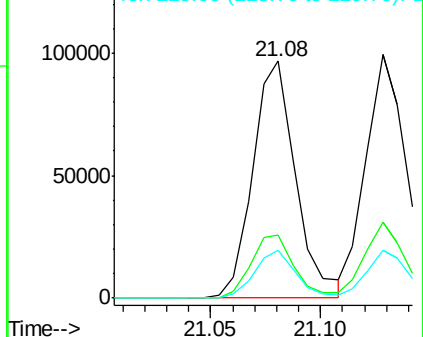
228 100

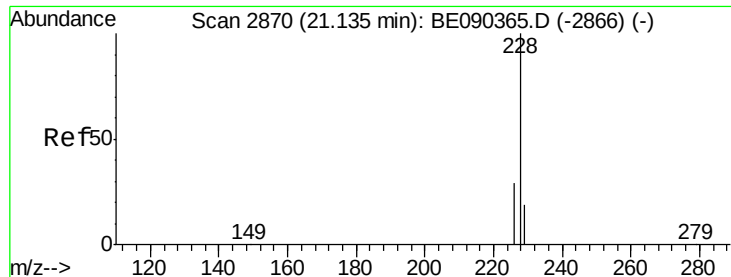
226 26.5 21.9 32.9

229 20.0 15.4 23.0



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





#29

Chrysene

Concen: 3.62 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

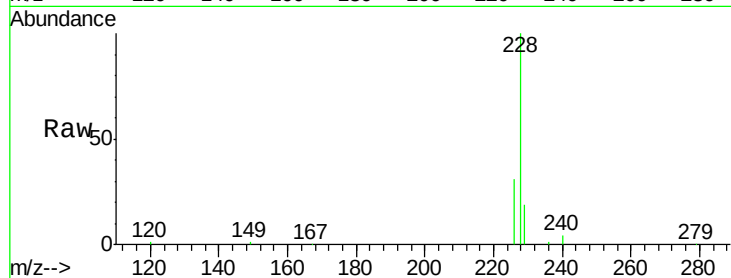
Tot Ion:228 Resp: 136884

Ion Ratio Lower Upper

228 100

226 31.0 23.1 34.7

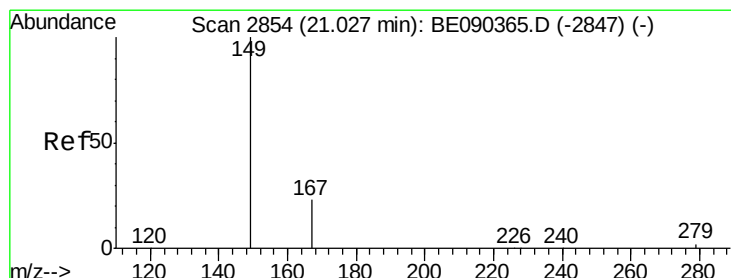
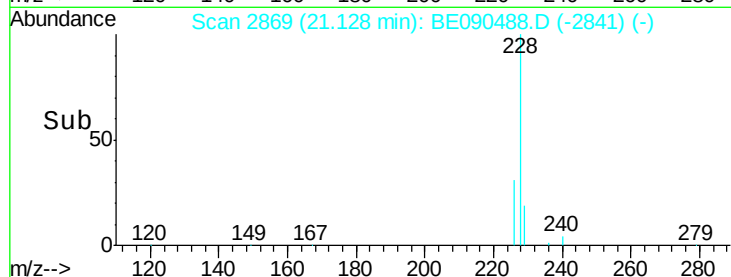
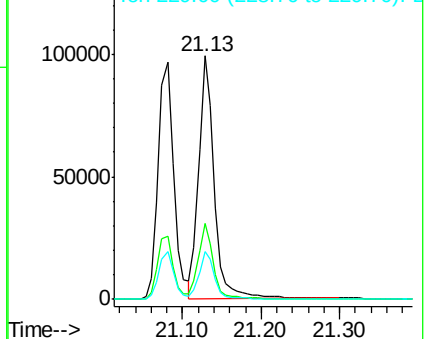
229 19.5 15.8 23.8



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: 4.18 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

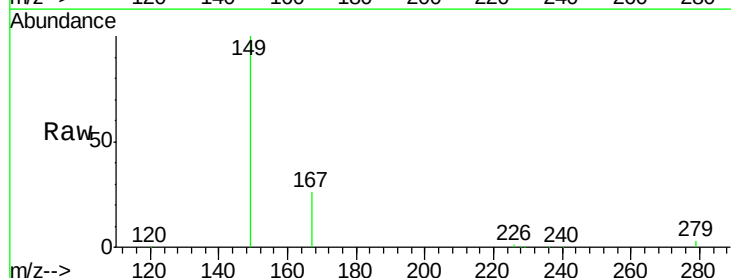
Tgt Ion:149 Resp: 44264

Ion Ratio Lower Upper

149 100

167 25.7 19.8 29.8

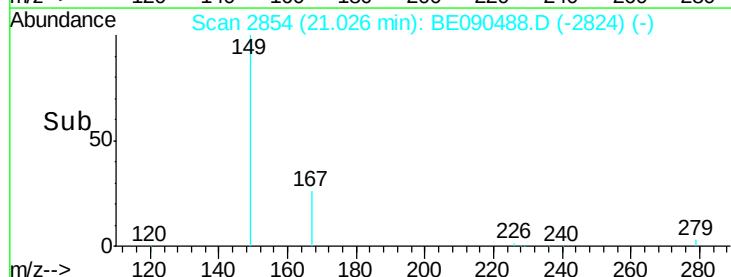
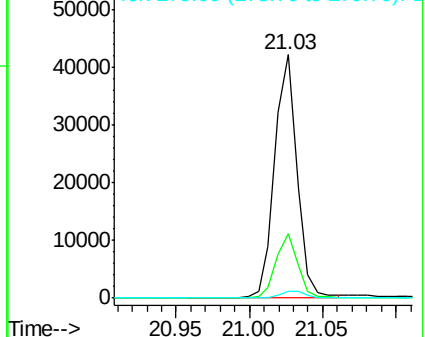
279 3.2 2.4 3.6

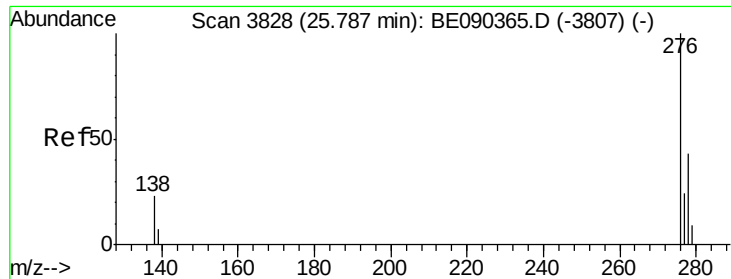


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

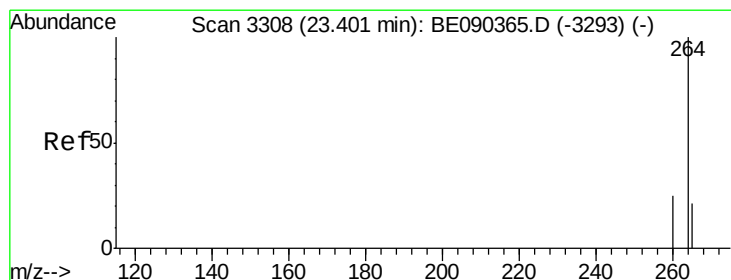
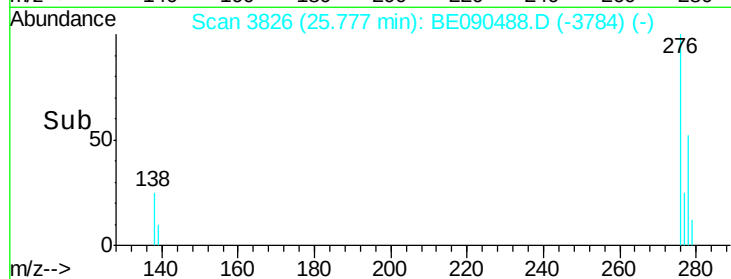
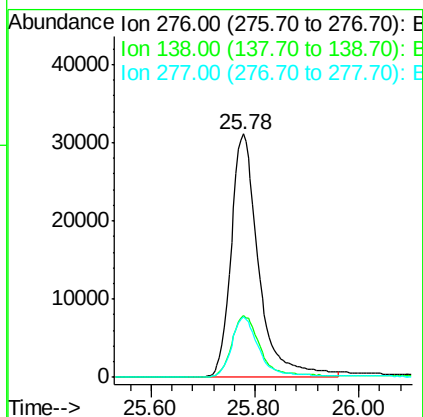
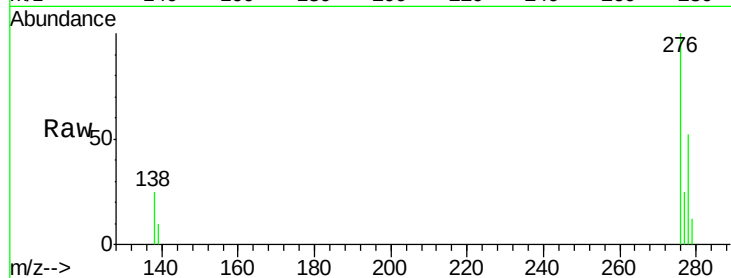




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 3.42 ng
 RT: 25.78 min Scan# 3826
 Delta R.T. -0.01 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

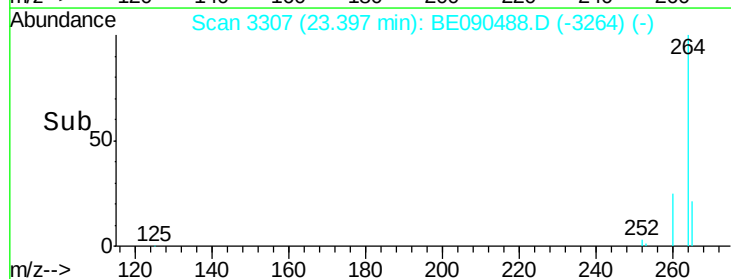
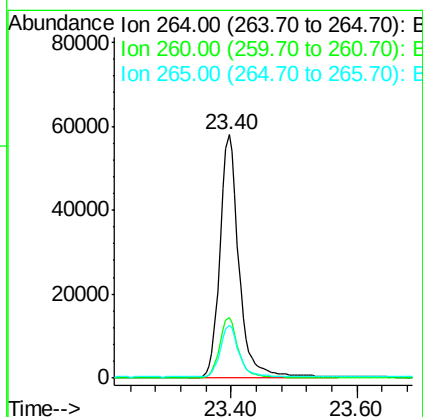
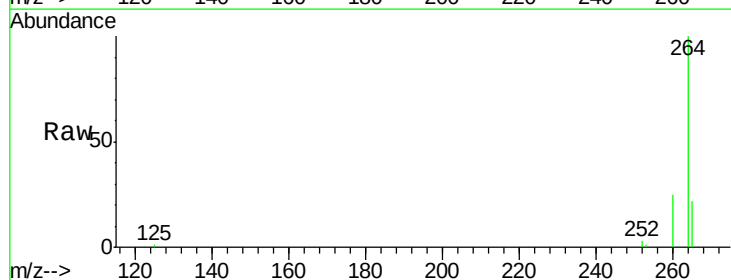
Instrument :
 BNA_E
 ClientSampleId :

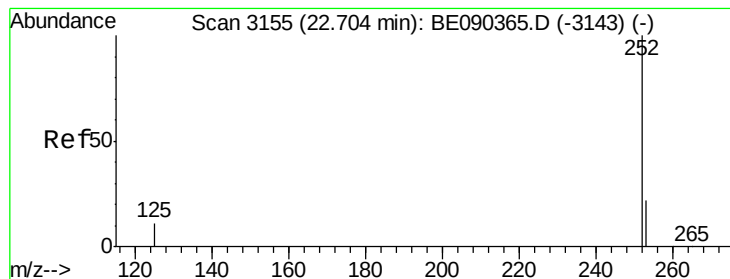
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	18.8	28.2
277	24.8	18.2	27.4



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090488.D
 Acq: 13 Aug 2015 3:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	21.9	17.2	25.8





#33

Benzo(b)fluoranthene

Concen: 4.04 ng

RT: 22.70 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

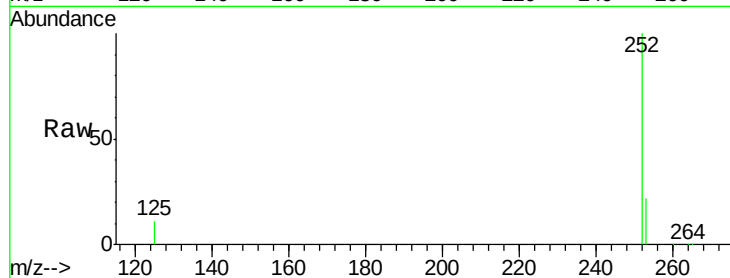
Tot Ion:252 Resp: 110023

Ion Ratio Lower Upper

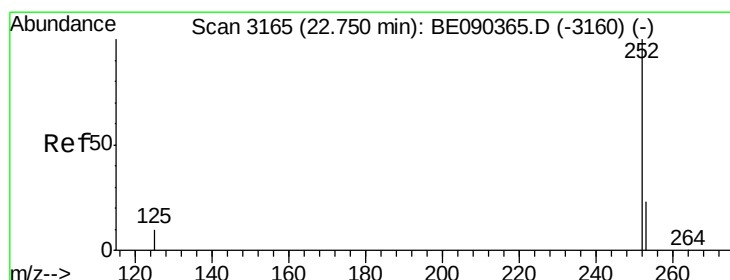
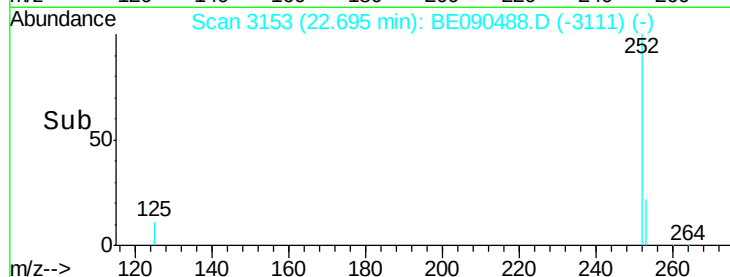
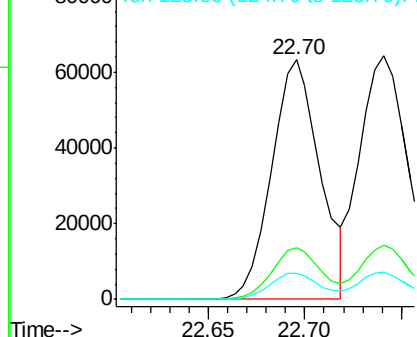
252 100

253 21.8 18.1 27.1

125 11.1 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: 3.65 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

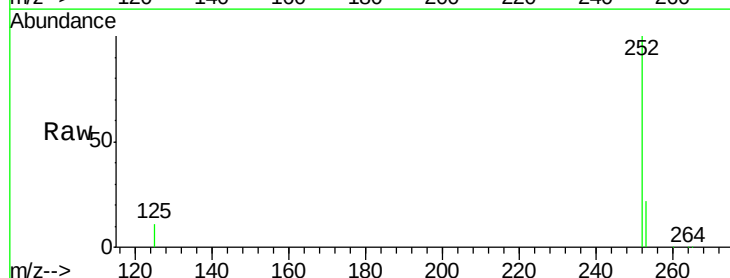
Tgt Ion:252 Resp: 123776

Ion Ratio Lower Upper

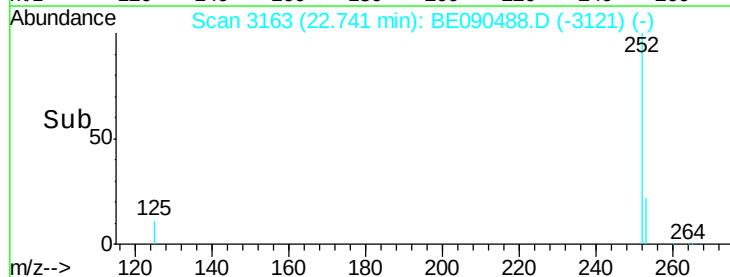
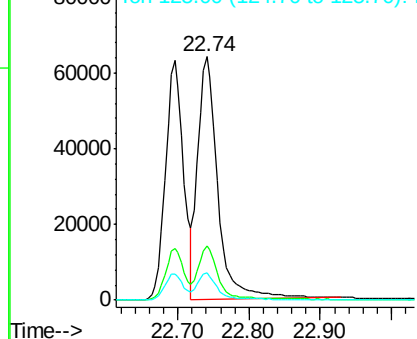
252 100

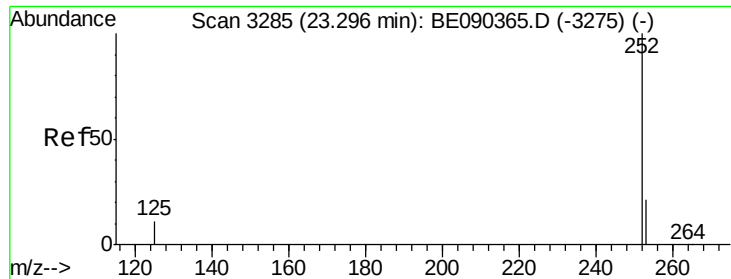
253 22.0 18.1 27.1

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: 3.88 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

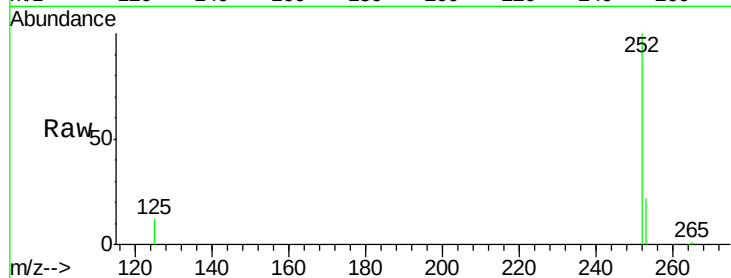
Tot Ion:252 Resp: 99659

Ion Ratio Lower Upper

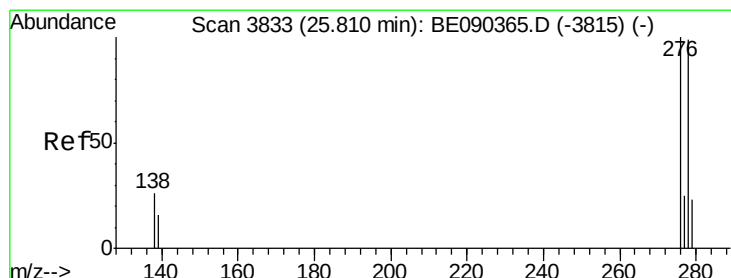
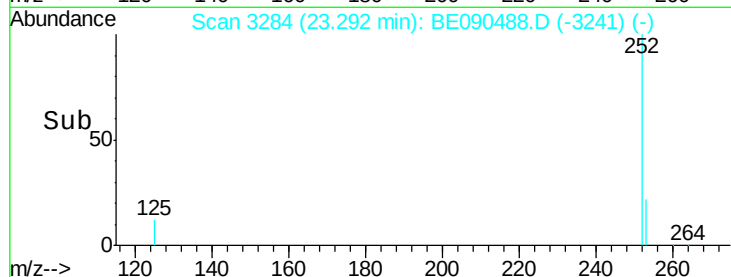
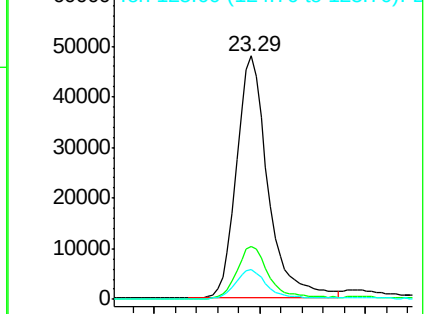
252 100

253 21.9 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: 3.63 ng

RT: 25.80 min Scan# 3830

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

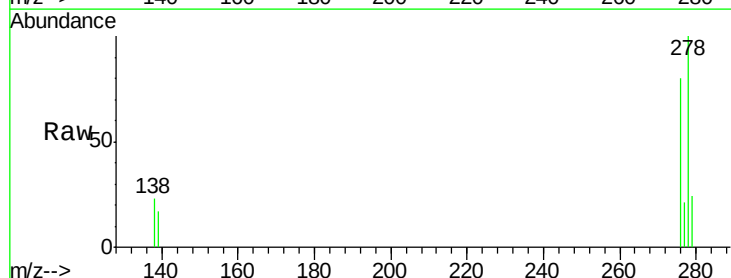
Tgt Ion:278 Resp: 90482

Ion Ratio Lower Upper

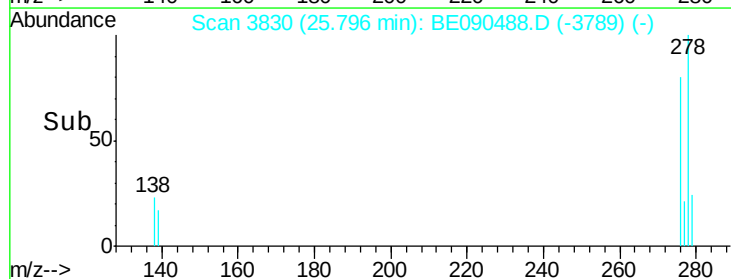
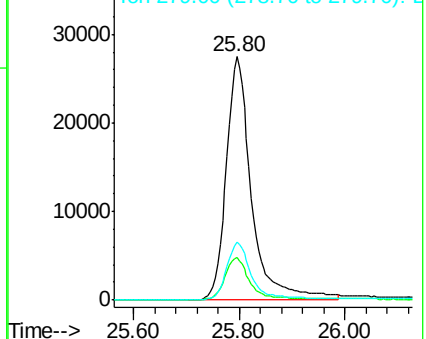
278 100

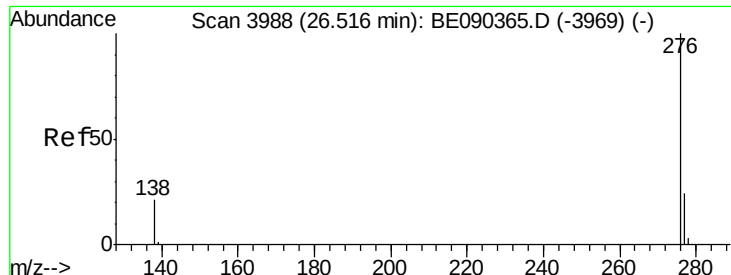
139 17.4 14.2 21.4

279 24.0 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: 4.46 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BE090488.D

Acq: 13 Aug 2015 3:46

Instrument :

BNA_E

ClientSampleId :

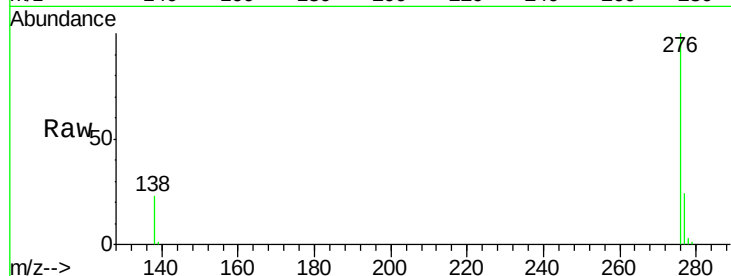
Tot Ion: 276 Resp: 100316

Ion Ratio Lower Upper

276 100

277 23.6 20.1 30.1

138 23.3 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

