

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090478.D
 Acq On : 12 Aug 2015 21:45
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:22:01 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

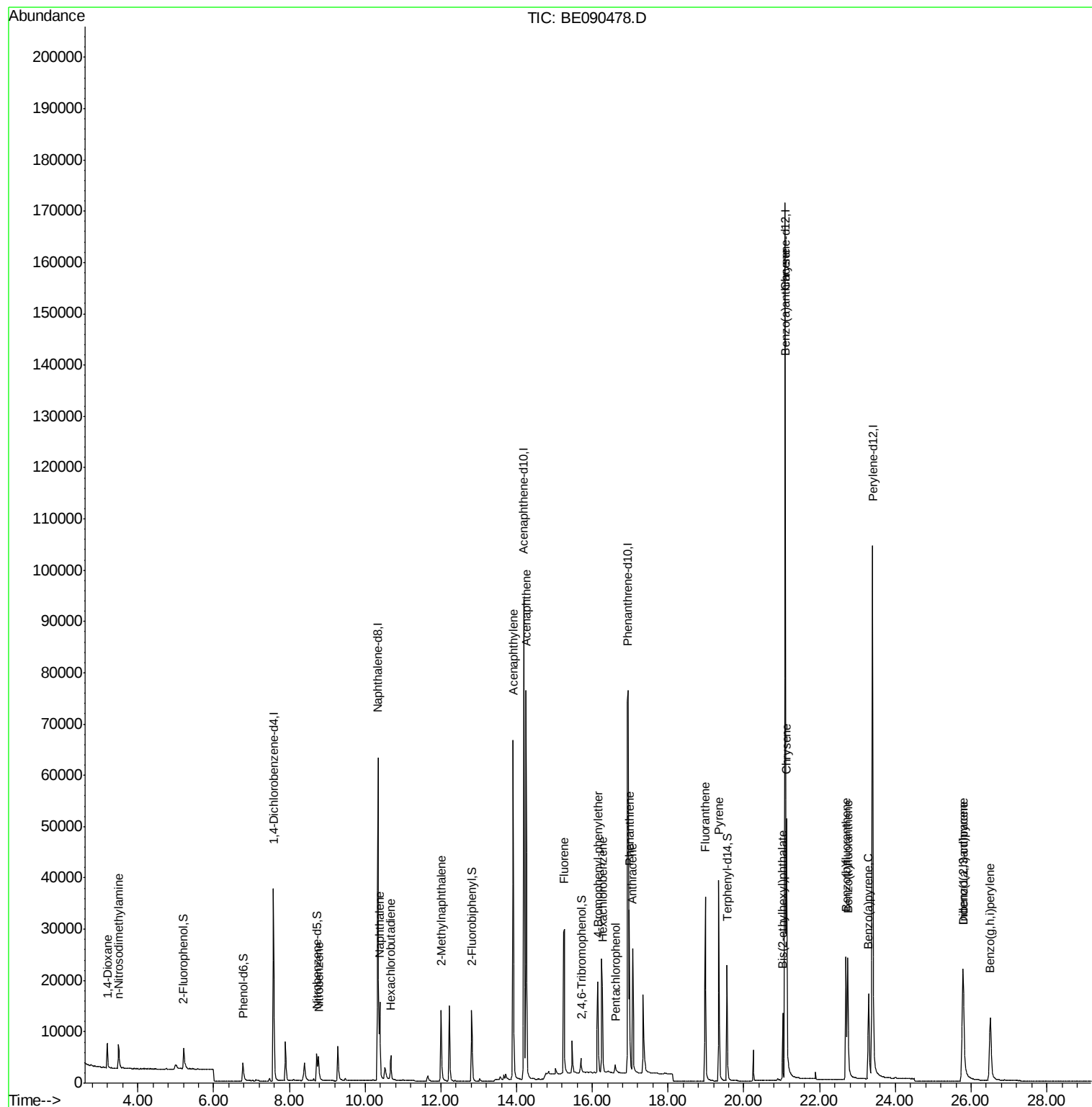
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20269	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	90464	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	54900	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	132549	5.00	ng	0.00
25) Chrysene-d12	21.09	240	161141	5.00	ng	0.00
32) Perylene-d12	23.40	264	149823	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	4375	1.44	ng	0.00
5) Phenol-d6	6.77	99	6232	1.16	ng	0.00
7) Nitrobenzene-d5	8.73	82	6440	1.04	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1534	1.55	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	15644	1.04	ng	0.00
27) Terphenyl-d14	19.55	244	25857	1.09	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	2829	1.07	ng	99
3) n-Nitrosodimethylamine	3.49	42	3286	1.05	ng	# 83
8) Nitrobenzene	8.77	77	6730	1.03	ng	98
9) Naphthalene	10.38	128	20339	1.02	ng	99
10) Hexachlorobutadiene	10.68	225	3479	1.09	ng	100
11) 2-Methylnaphthalene	12.00	142	12570	1.09	ng	99
15) Acenaphthylene	13.91	152	92578	1.04	ng	100
16) Acenaphthene	14.26	154	13945	1.01	ng	93
17) Fluorene	15.26	166	18500	1.03	ng	99
19) 4-Bromophenyl-phenylether	16.14	248	5098	0.99	ng	95
20) Hexachlorobenzene	16.27	284	24995	0.94	ng	99
21) Pentachlorophenol	16.61	266	1360	1.43	ng	96
22) Phenanthrene	16.98	178	33825	1.02	ng	100
23) Anthracene	17.07	178	29969	1.10	ng	99
24) Fluoranthene	18.98	202	36047	1.10	ng	100
26) Pyrene	19.34	202	37210	1.07	ng	100
28) Benzo(a)anthracene	21.08	228	38678	1.08	ng	98
29) Chrysene	21.13	228	42155	0.98	ng	99
30) Bis(2-ethylhexyl)phthalate	21.03	149	11123	1.28	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	35388	1.11	ng	95
33) Benzo(b)fluoranthene	22.70	252	31939	1.10	ng	99
34) Benzo(k)fluoranthene	22.74	252	37498	0.90	ng	99
35) Benzo(a)pyrene	23.29	252	28416	1.07	ng	98
36) Dibenzo(a,h)anthracene	25.80	278	26863	1.09	ng	98
37) Benzo(g,h,i)perylene	26.51	276	30170	1.09	ng	98

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

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 13 01:22:01 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: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

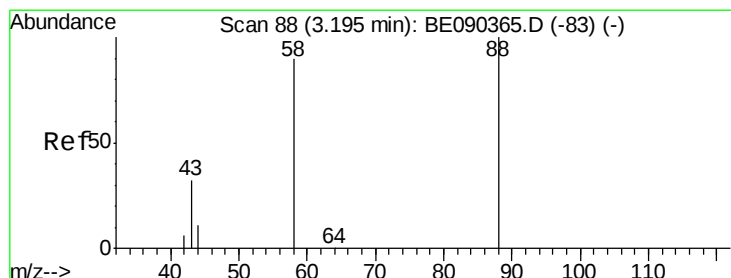
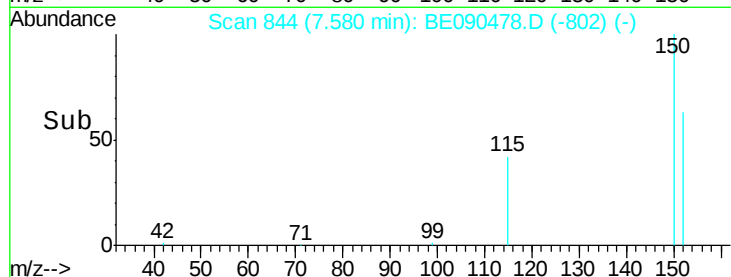
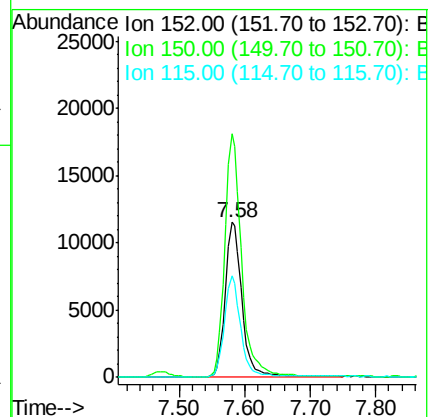
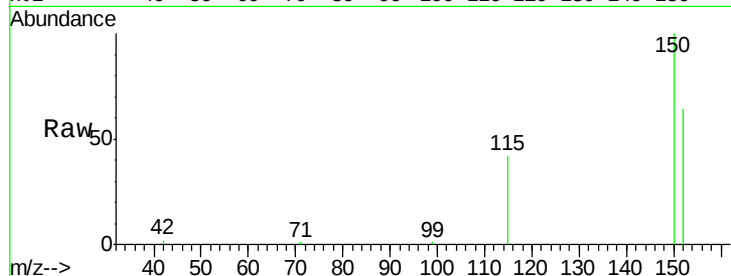
Tot Ion:152 Resp: 20269

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

115 66.0 48.9 73.3



#2

1,4-Dioxane

Concen: 1.07 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

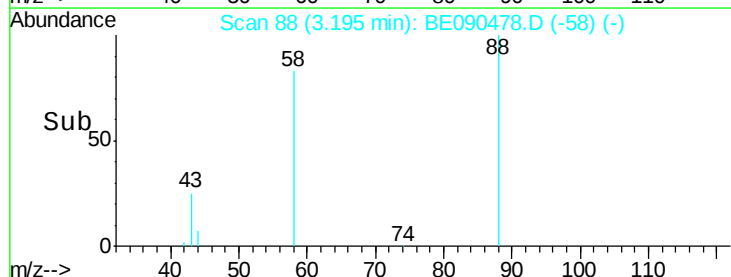
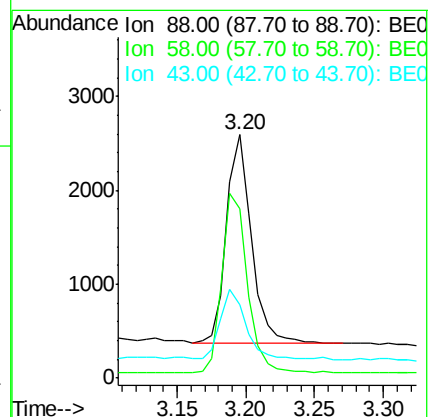
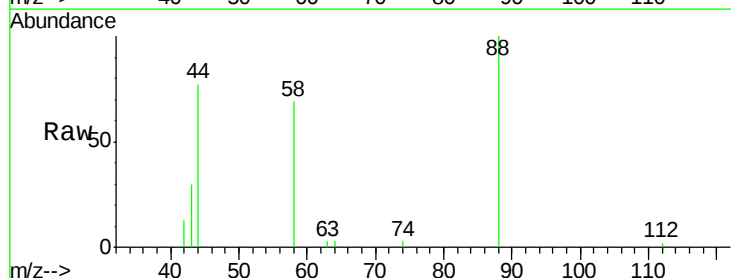
Tgt Ion: 88 Resp: 2829

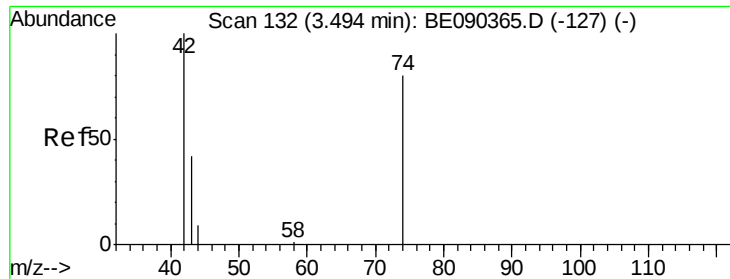
Ion Ratio Lower Upper

88 100

58 87.7 70.0 105.0

43 33.1 28.4 42.6



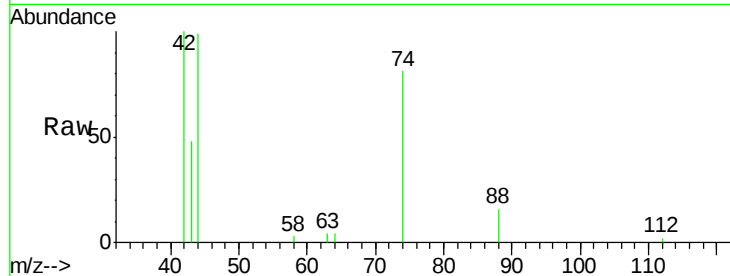


#3

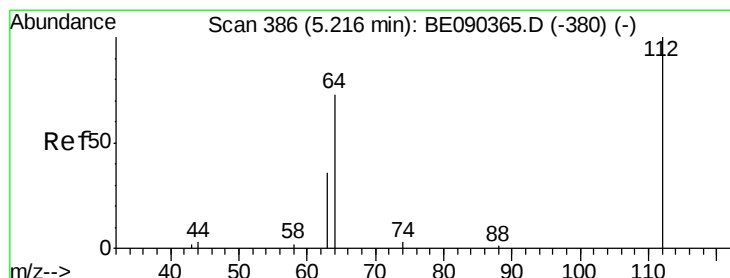
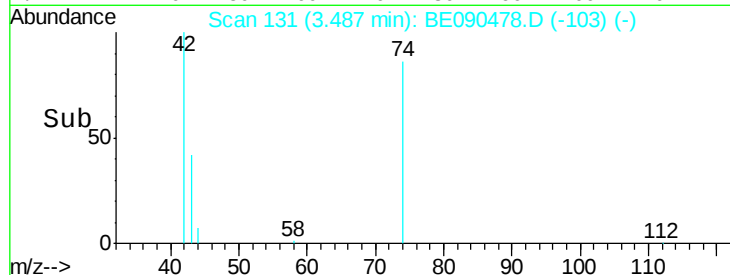
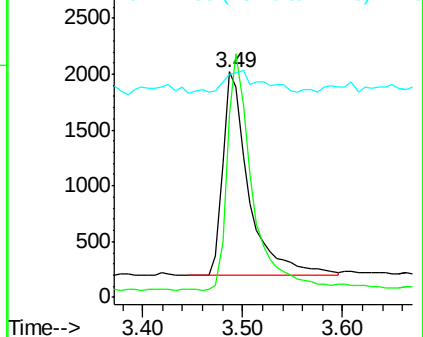
n-Nitrosodimethylamine
 Concen: 1.05 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090478.D
 Acq: 12 Aug 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 3286
 Ion Ratio Lower Upper
 42 100
 74 111.8 75.2 112.8
 44 13.4 8.7 13.1#



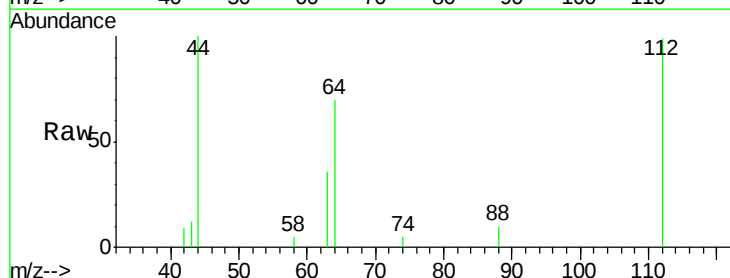
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



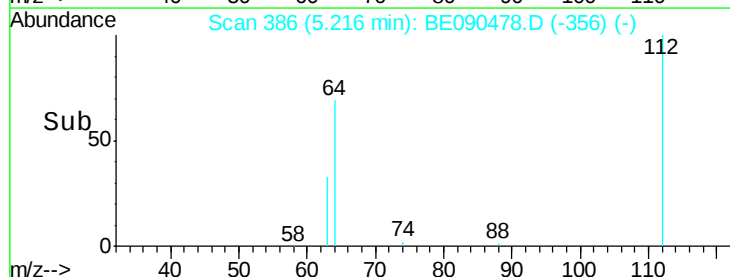
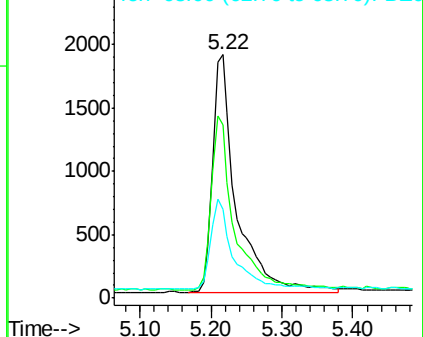
#4

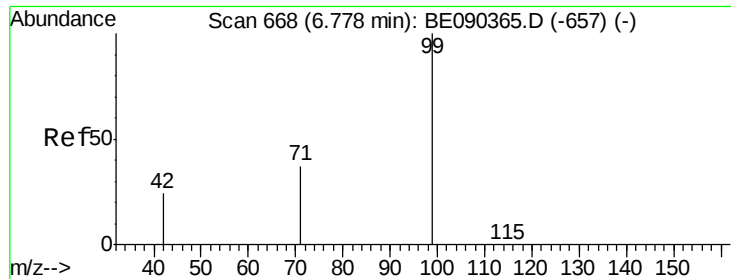
2-Fluorophenol
 Concen: 1.44 ng
 RT: 5.22 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BE090478.D
 Acq: 12 Aug 2015 21:45

Tgt Ion: 112 Resp: 4375
 Ion Ratio Lower Upper
 112 100
 64 71.5 37.1 55.7#
 63 36.0 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: 1.16 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

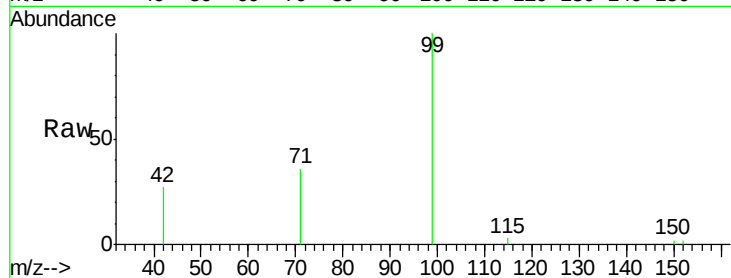
Tot Ion: 99 Resp: 6232

Ion Ratio Lower Upper

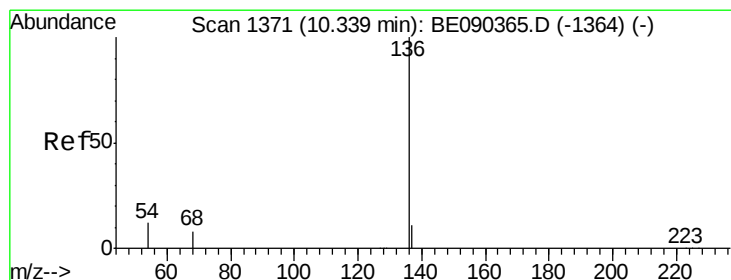
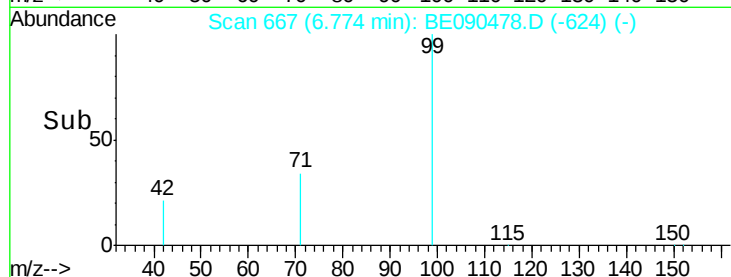
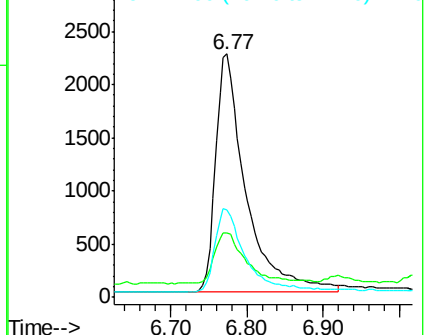
99 100

42 21.6 18.2 27.4

71 35.3 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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Tgt Ion: 136 Resp: 90464

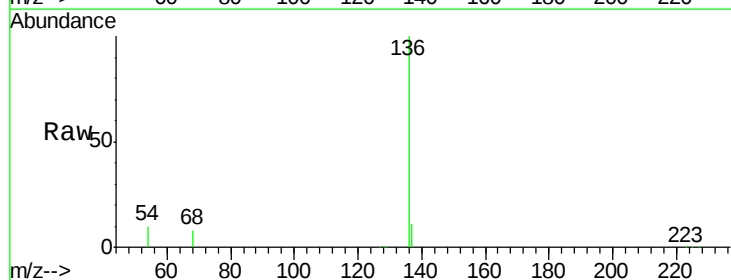
Ion Ratio Lower Upper

136 100

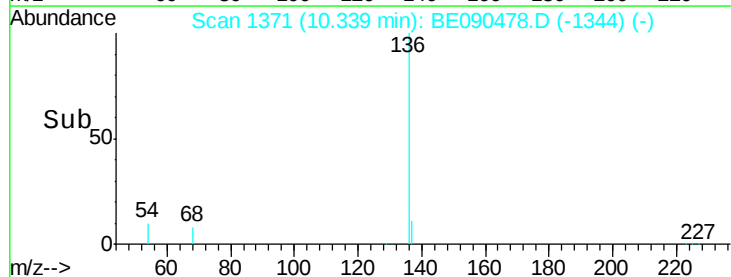
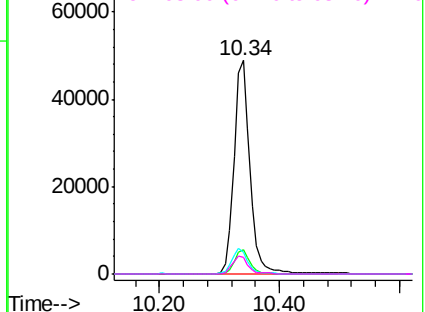
137 11.1 8.7 13.1

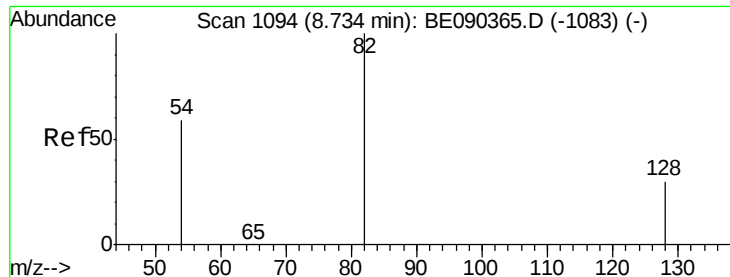
54 10.4 9.4 14.0

68 7.7 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: 1.04 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

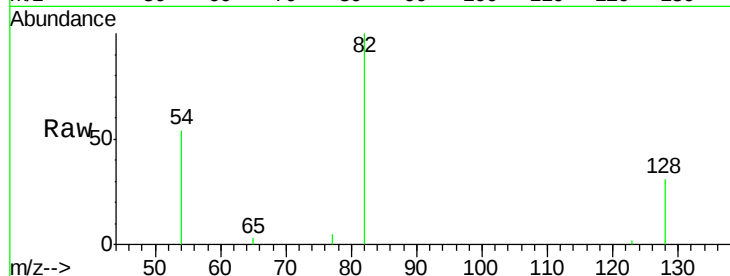
Tot Ion: 82 Resp: 6440

Ion Ratio Lower Upper

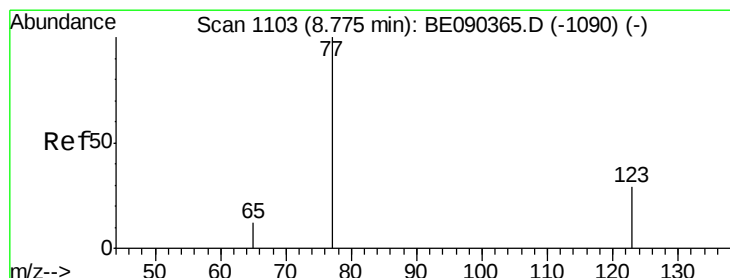
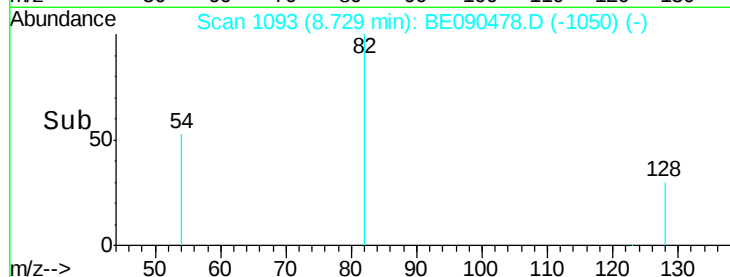
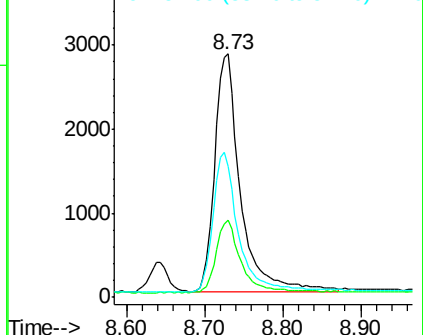
82 100

128 31.5 25.0 37.6

54 54.0 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

Nitrobenzene

Concen: 1.03 ng

RT: 8.77 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

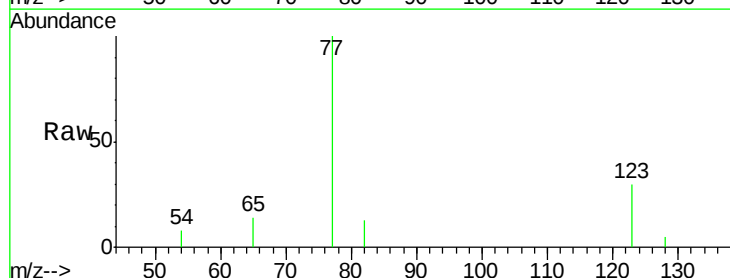
Tgt Ion: 77 Resp: 6730

Ion Ratio Lower Upper

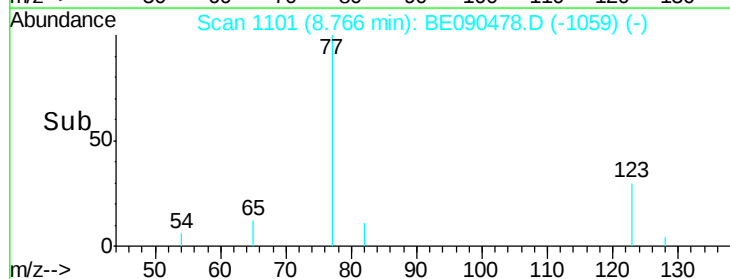
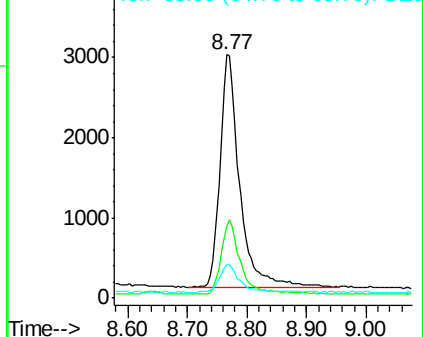
77 100

123 30.2 25.1 37.7

65 11.7 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: 1.02 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

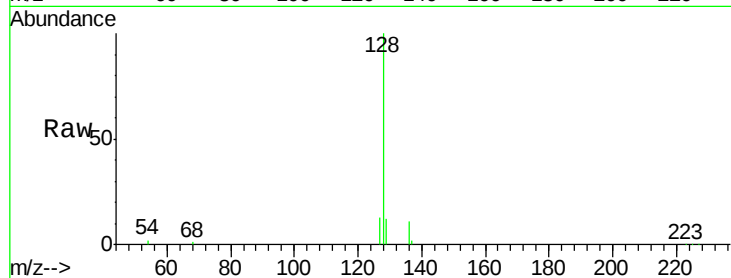
Instrument :

BNA_E

ClientSampled :

Tot Ion:128 Resp: 20339

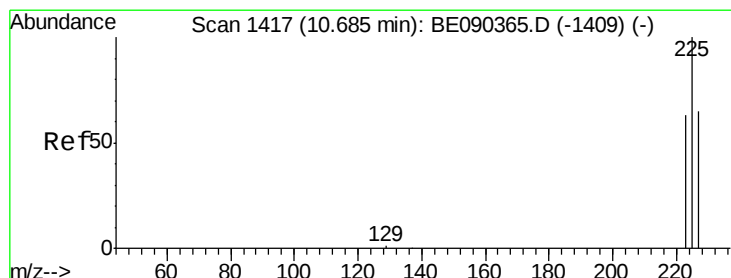
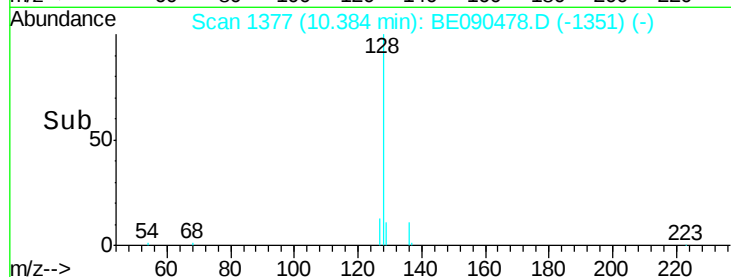
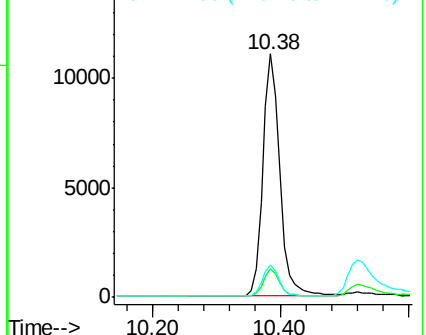
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.8	14.6
127	13.4	10.6	16.0



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: 1.09 ng

RT: 10.68 min Scan# 1416

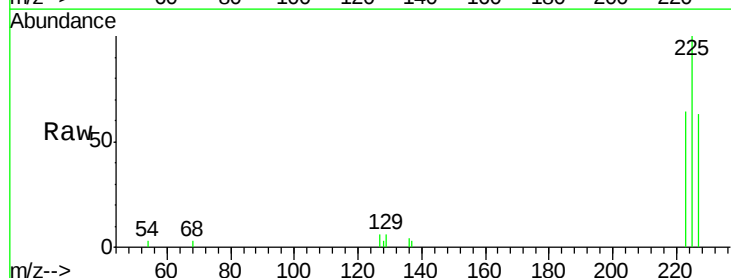
Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Tgt Ion:225 Resp: 3479

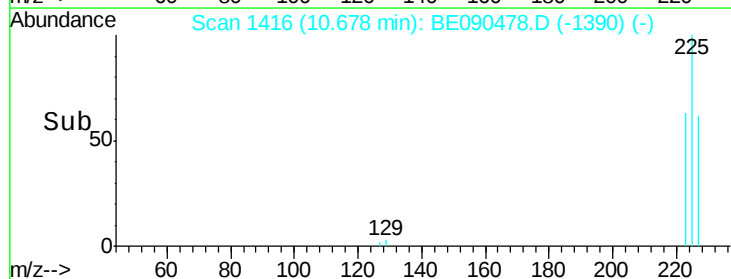
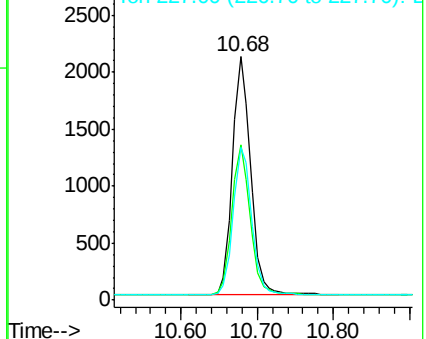
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8
227	63.2	50.7	76.1



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

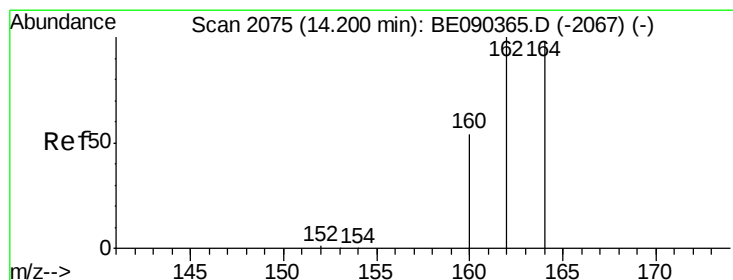
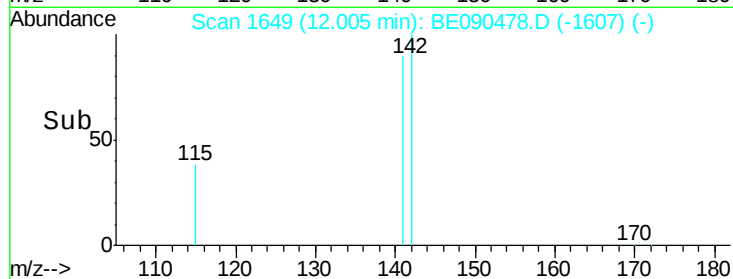
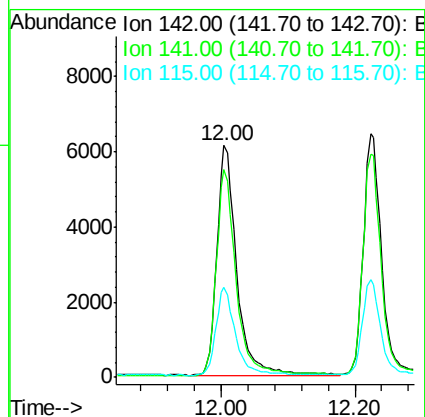
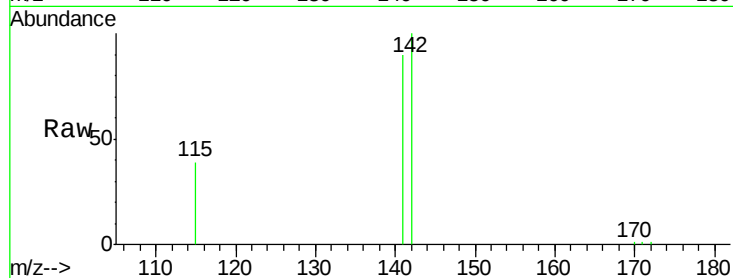




#11
2-Methylnaphthalene
Concen: 1.09 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090478.D
Acq: 12 Aug 2015 21:45

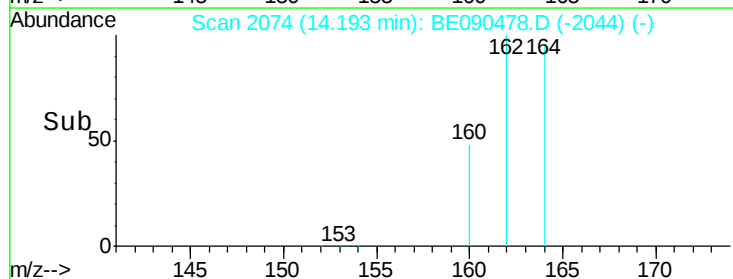
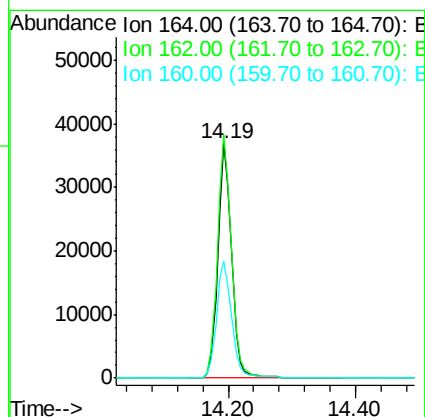
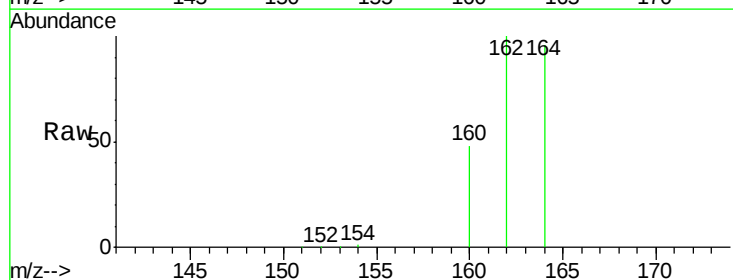
Instrument :
BNA_E
ClientSampleId :

Tot Ion:142 Resp: 12570
Ion Ratio Lower Upper
142 100
141 89.6 72.6 109.0
115 38.6 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: BE090478.D
Acq: 12 Aug 2015 21:45

Tgt Ion:164 Resp: 54900
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.8
160 49.9 44.2 66.4

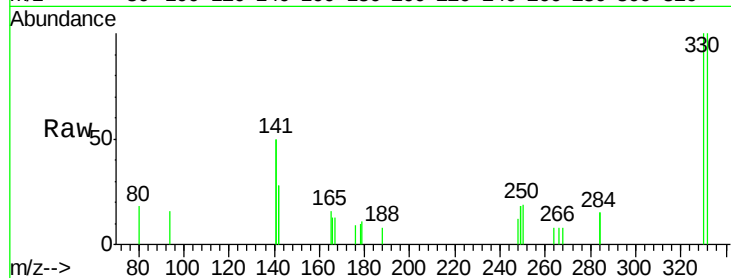




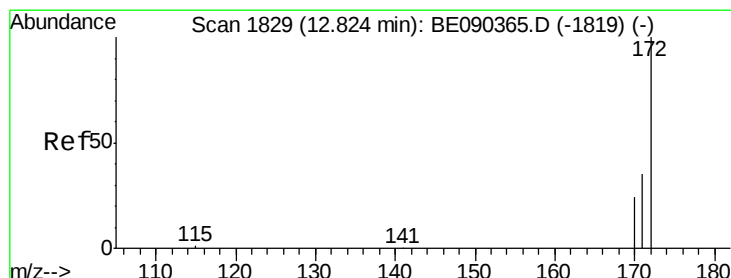
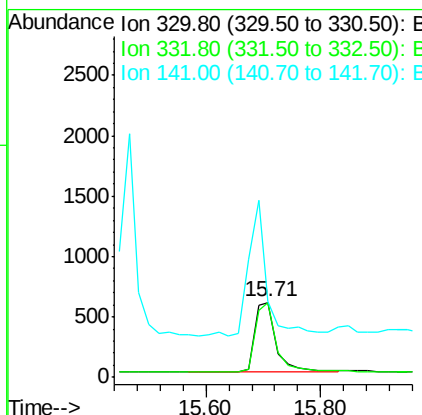
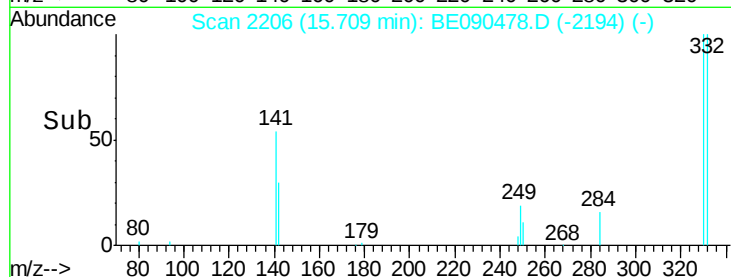
#13
 2,4,6-Tribromophenol
 Concen: 1.55 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090478.D
 Acq: 12 Aug 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 1534
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.8 113.6
 141 165.4 114.4 171.6

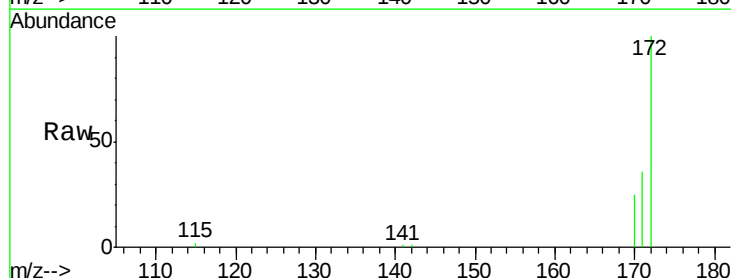


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

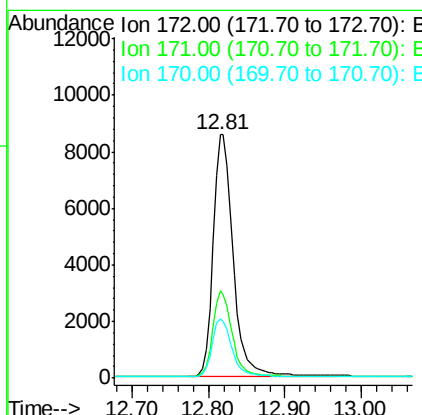
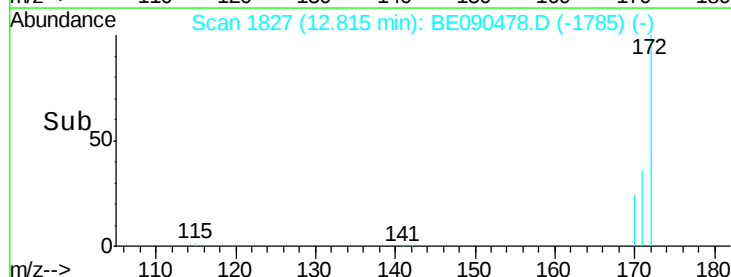


#14
 2-Fluorobiphenyl
 Concen: 1.04 ng
 RT: 12.81 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090478.D
 Acq: 12 Aug 2015 21:45

Tgt Ion:172 Resp: 15644
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.5 42.7
 170 24.6 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: 1.04 ng

RT: 13.91 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

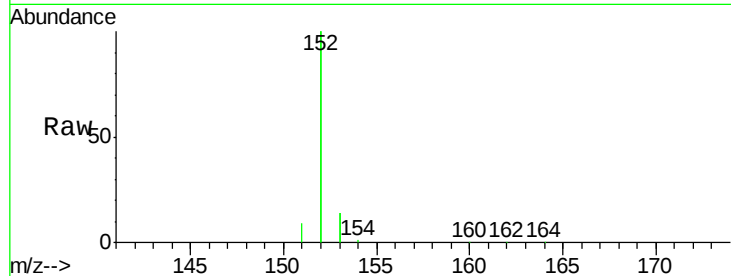
Tot Ion:152 Resp: 92578

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

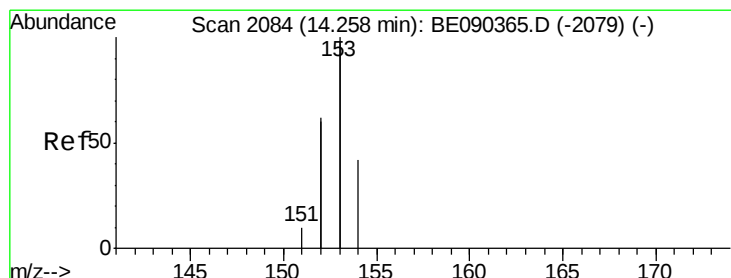
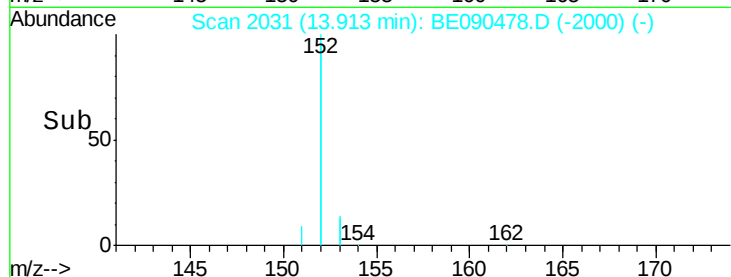
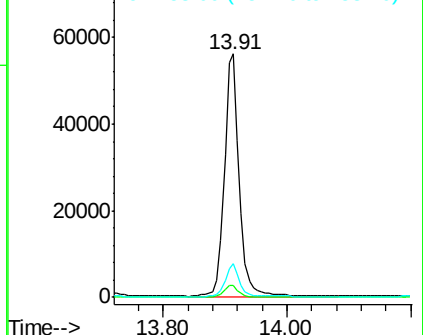
153 12.8 10.3 15.5



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: 1.01 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

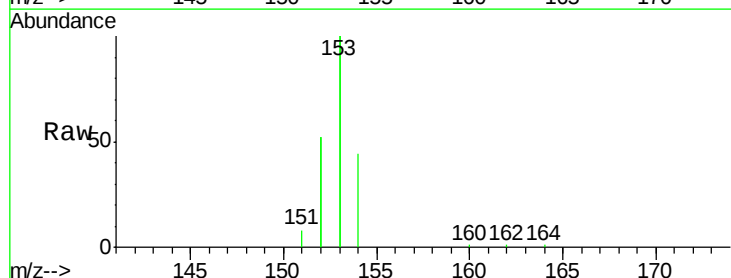
Tgt Ion:154 Resp: 13945

Ion Ratio Lower Upper

154 100

153 465.3 376.2 564.2

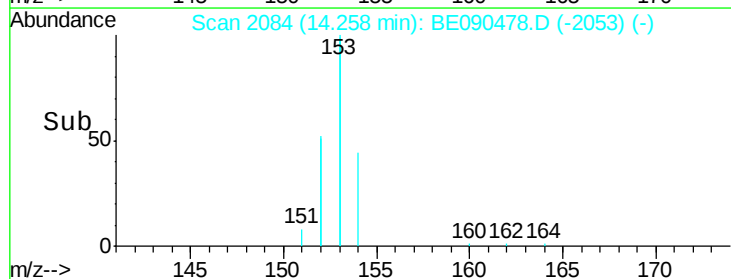
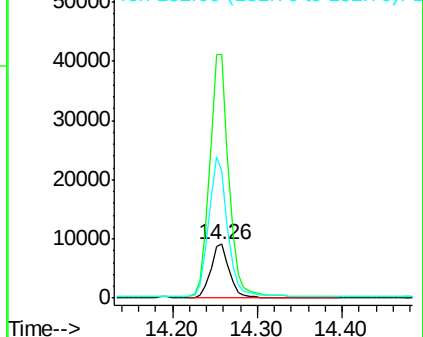
152 265.6 235.0 352.4



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: 1.03 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

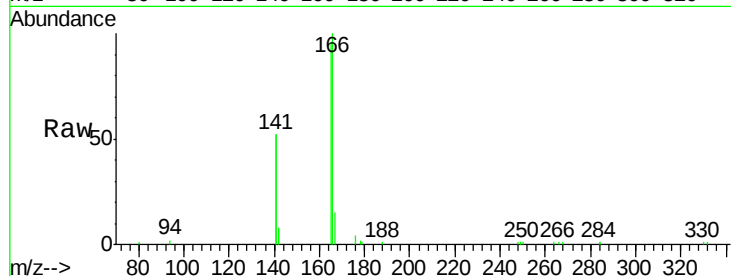
Tot Ion:166 Resp: 18500

Ion Ratio Lower Upper

166 100

165 101.0 81.5 122.3

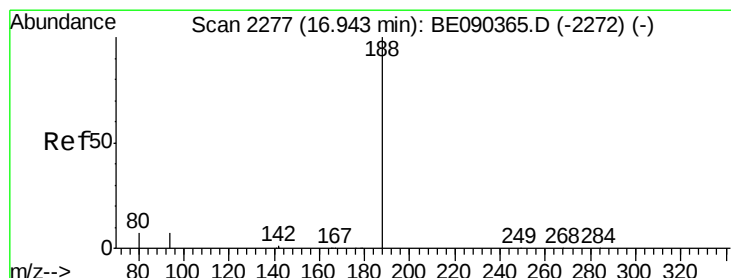
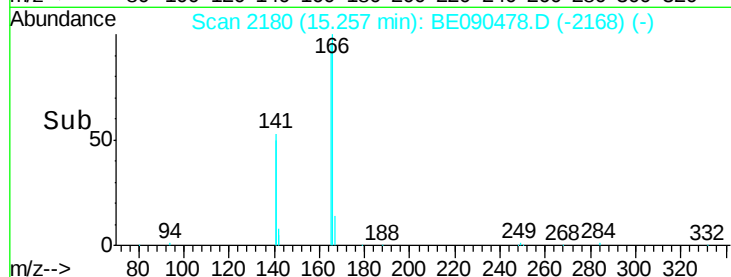
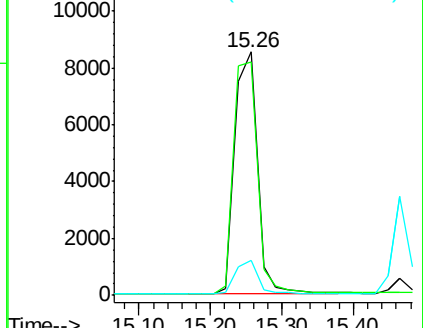
167 13.5 11.4 17.0



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: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

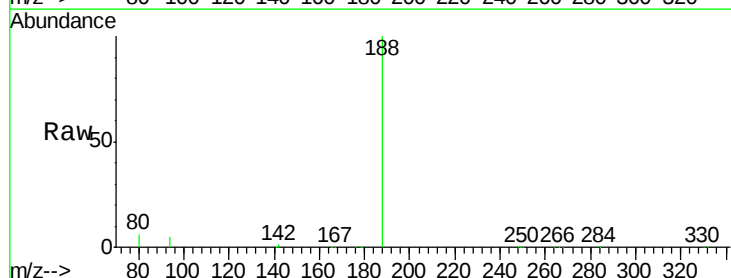
Tgt Ion:188 Resp: 132549

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

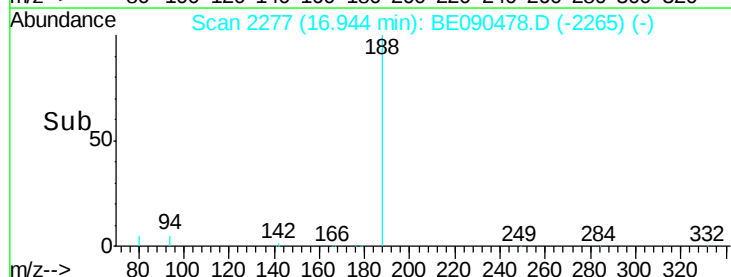
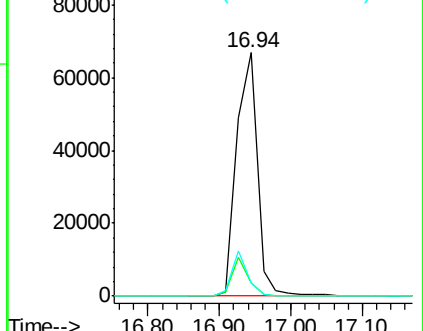
80 5.5 5.8 8.8#



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

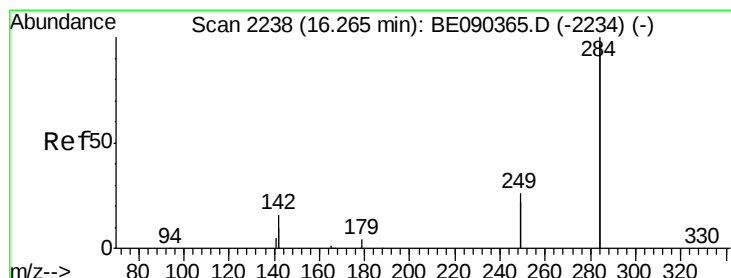
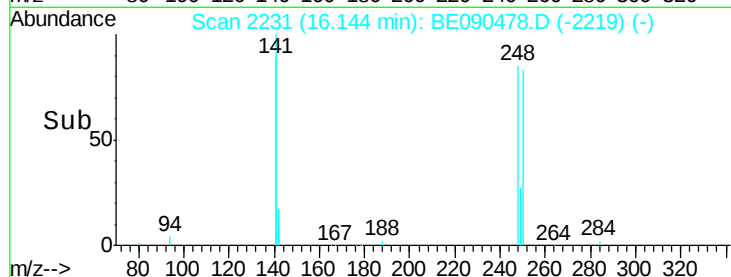
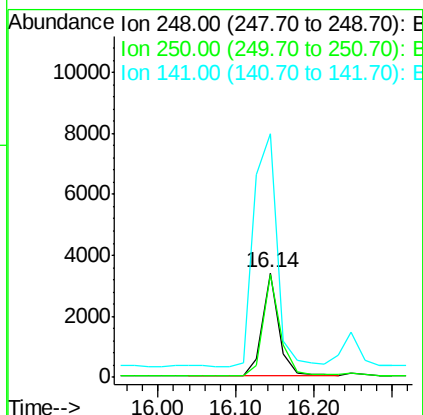
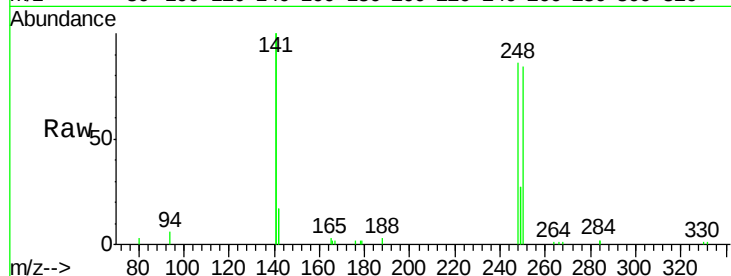




#19
4-Bromophenyl-phenylether
Concen: 0.99 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090478.D
Acq: 12 Aug 2015 21:45

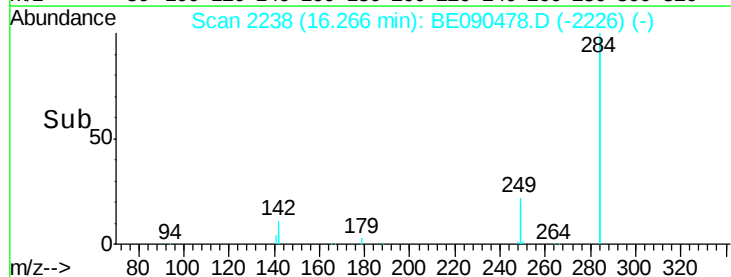
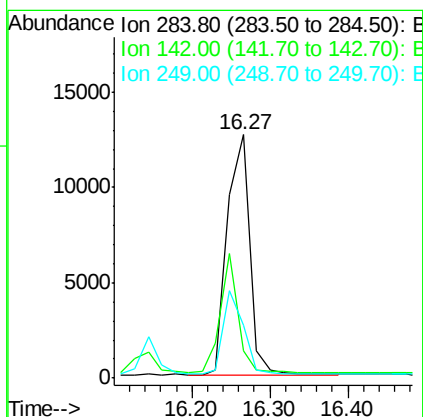
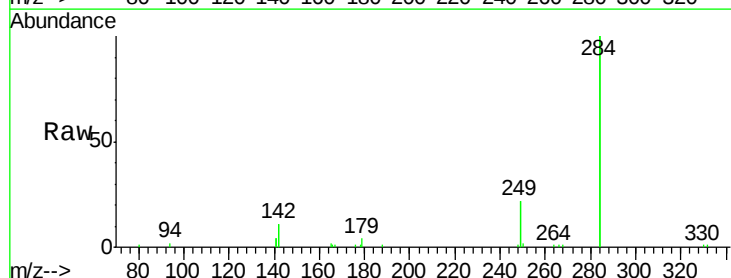
Instrument :
BNA_E
ClientSampleId :

Tot Ion:248 Resp: 5098
Ion Ratio Lower Upper
248 100
250 100.1 79.0 118.6
141 312.5 239.5 359.3



#20
Hexachlorobenzene
Concen: 0.94 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090478.D
Acq: 12 Aug 2015 21:45

Tgt Ion:284 Resp: 24995
Ion Ratio Lower Upper
284 100
142 37.9 30.1 45.1
249 31.3 25.7 38.5





#21

Pentachlorophenol

Concen: 1.43 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampled :

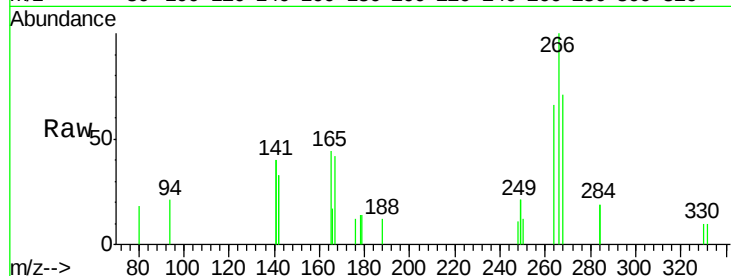
Tot Ion:266 Resp: 1360

Ion Ratio Lower Upper

266 100

268 70.9 58.5 87.7

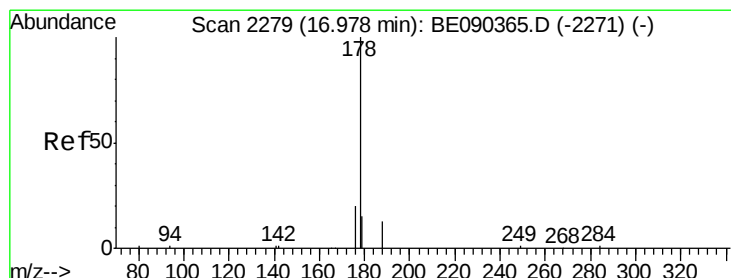
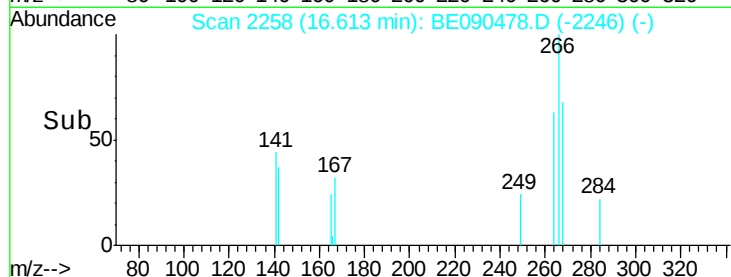
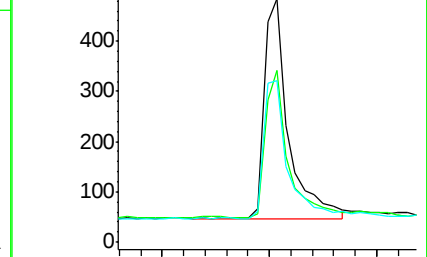
264 66.3 56.0 84.0



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: 1.02 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

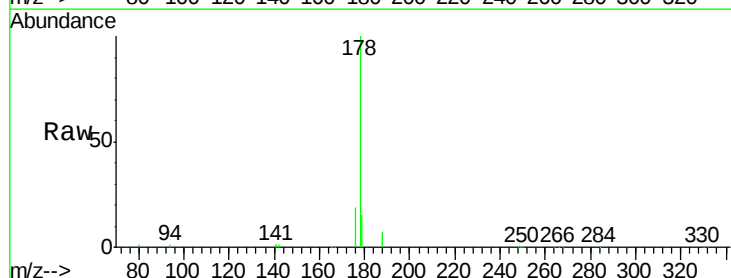
Tgt Ion:178 Resp: 33825

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

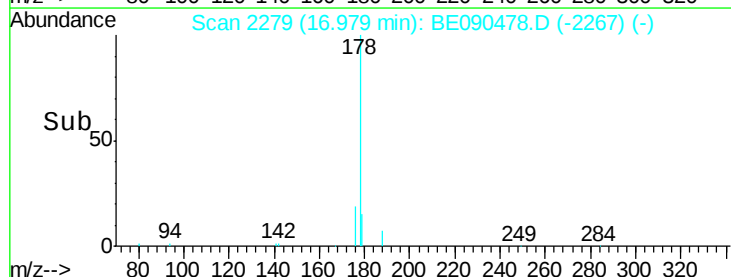
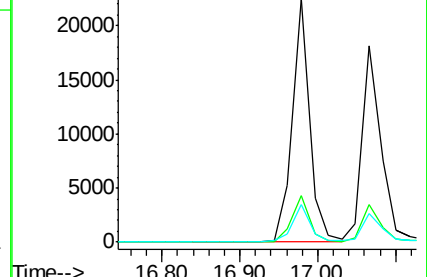
179 15.4 12.5 18.7



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: 1.10 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampled :

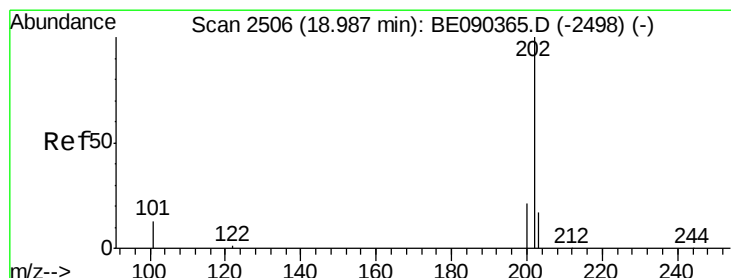
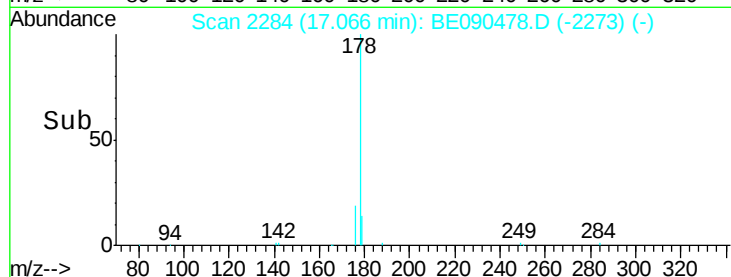
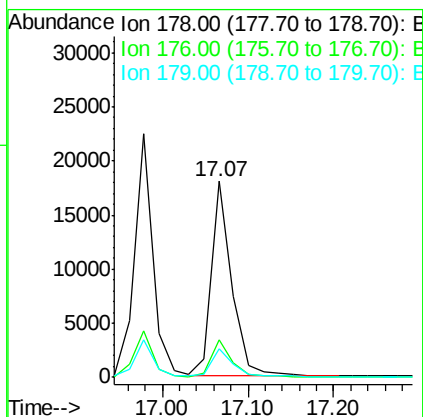
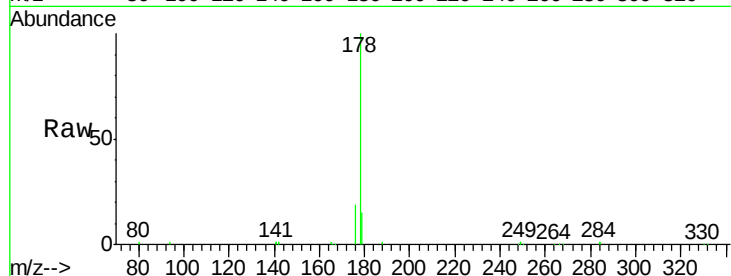
Tot Ion:178 Resp: 29969

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 14.9 12.2 18.4



#24

Fluoranthene

Concen: 1.10 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

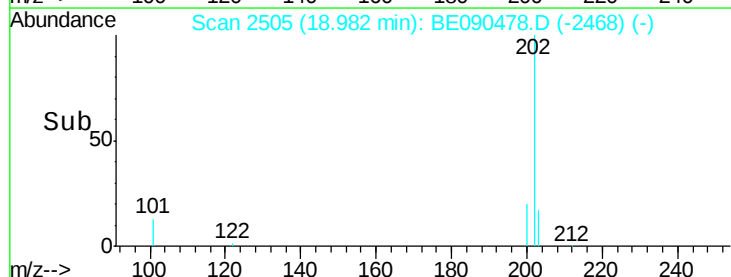
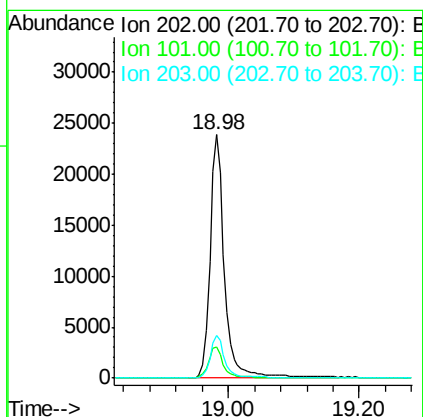
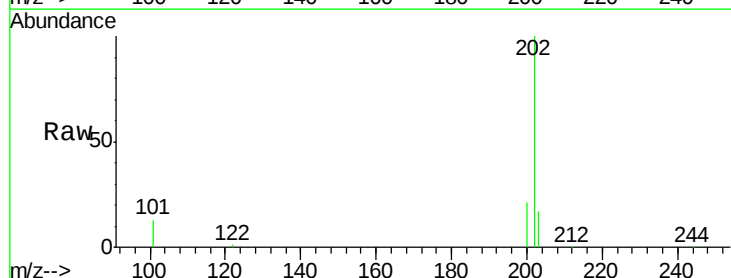
Tgt Ion:202 Resp: 36047

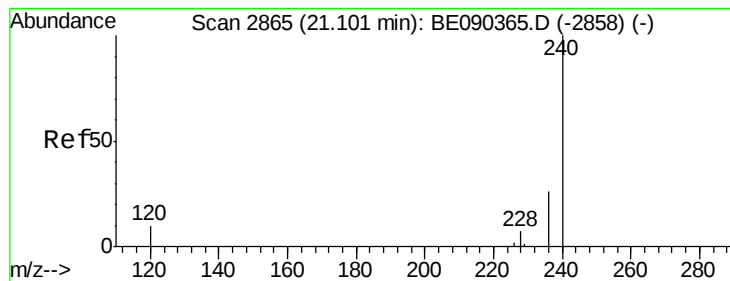
Ion Ratio Lower Upper

202 100

101 13.2 10.3 15.5

203 17.1 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

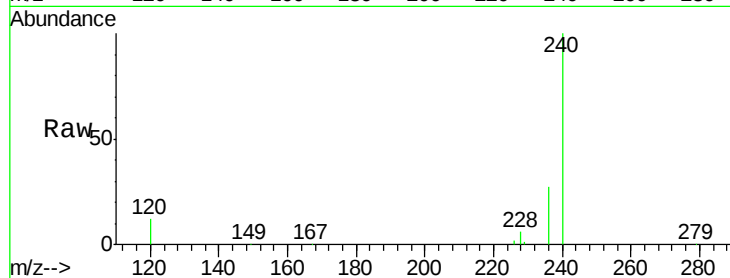
Tot Ion:240 Resp: 161141

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

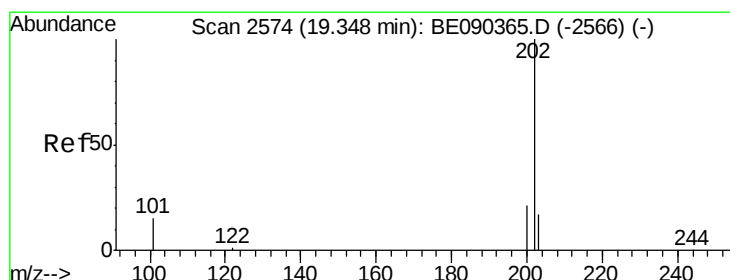
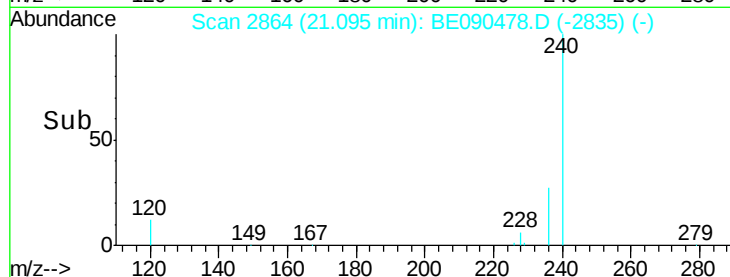
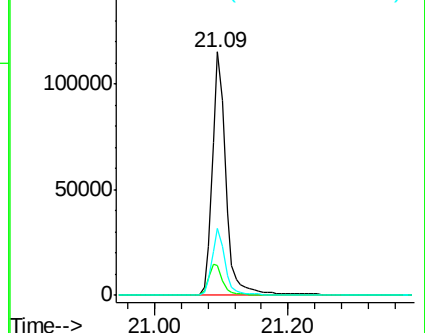
236 27.3 21.0 31.4



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: 1.07 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

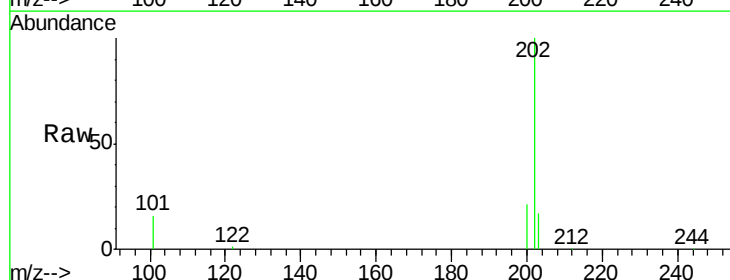
Tgt Ion:202 Resp: 37210

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

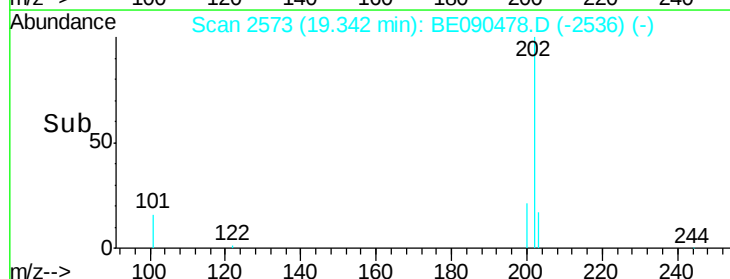
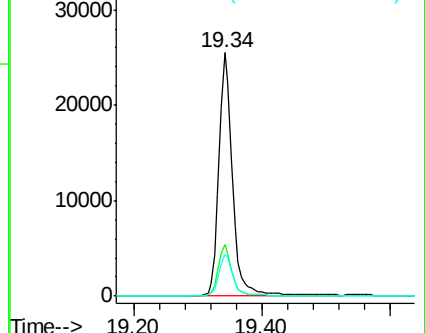
203 17.4 13.8 20.8

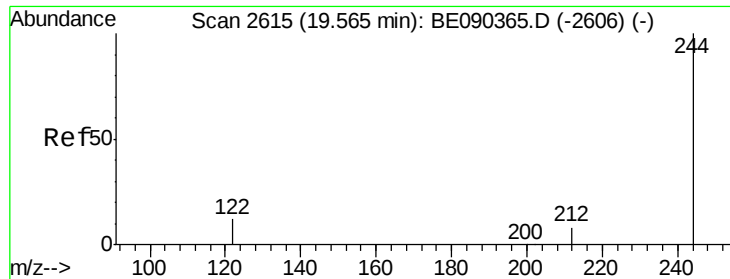


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 1.09 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampled :

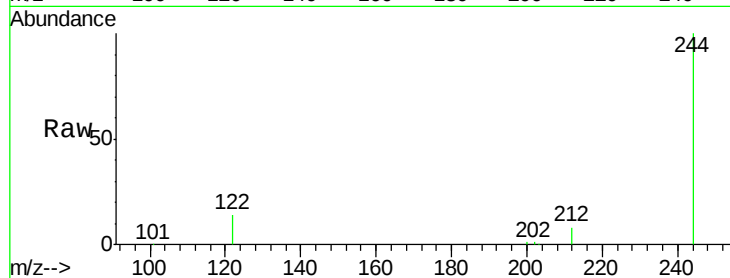
Tot Ion:244 Resp: 25857

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

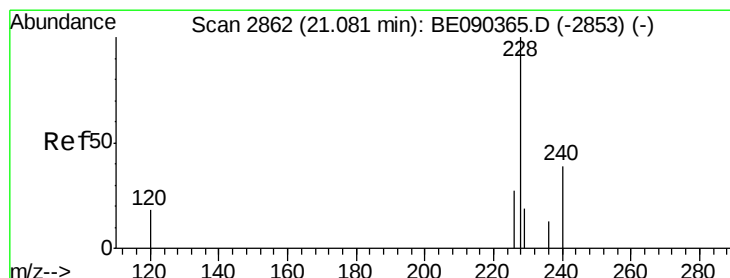
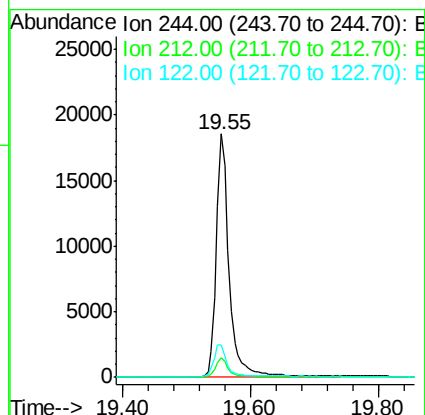
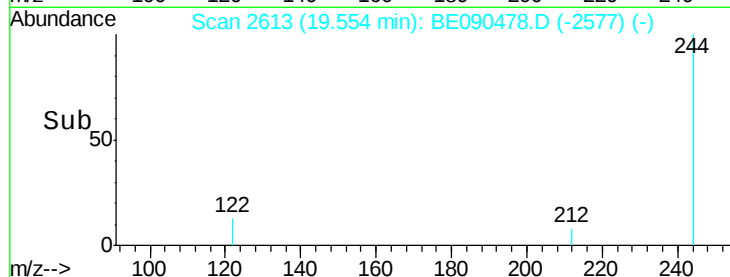
122 13.5 10.2 15.4



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: 1.08 ng

RT: 21.08 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

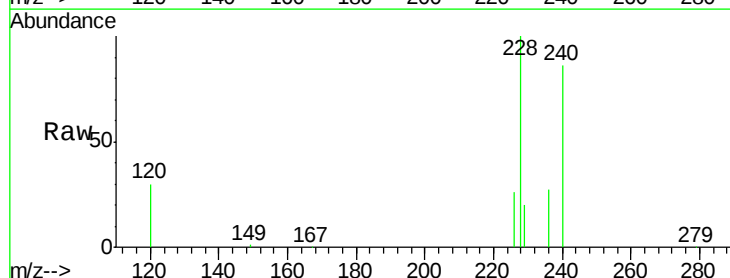
Tgt Ion:228 Resp: 38678

Ion Ratio Lower Upper

228 100

226 26.4 21.9 32.9

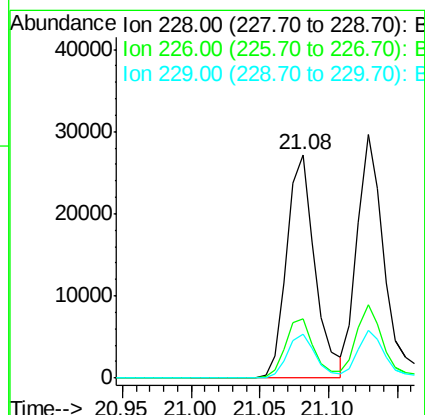
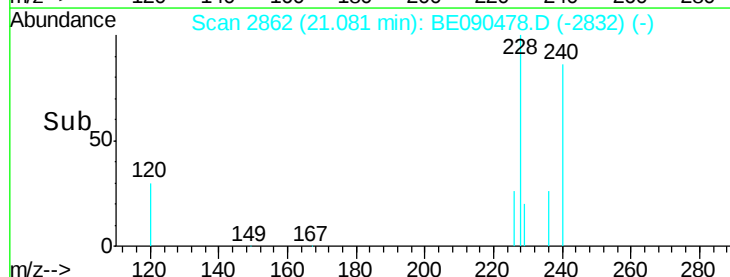
229 19.9 15.4 23.0



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: 0.98 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampled :

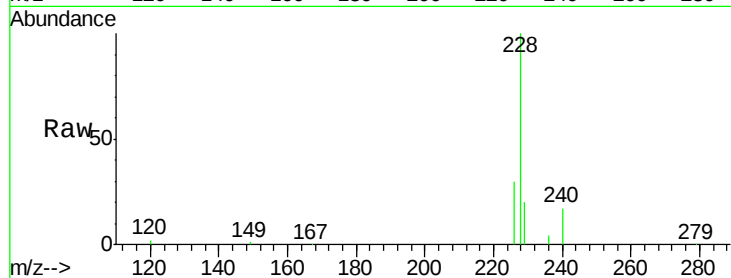
Tot Ion:228 Resp: 42155

Ion Ratio Lower Upper

228 100

226 30.0 23.1 34.7

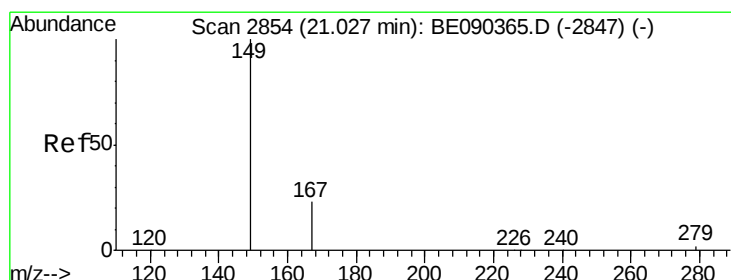
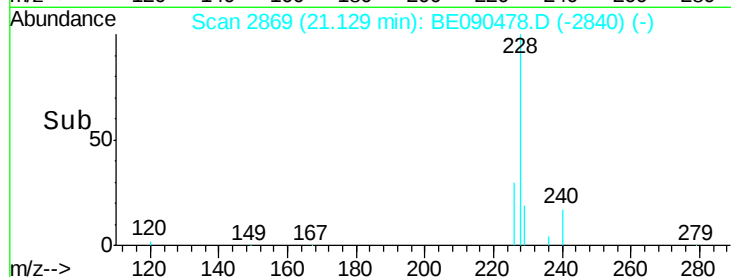
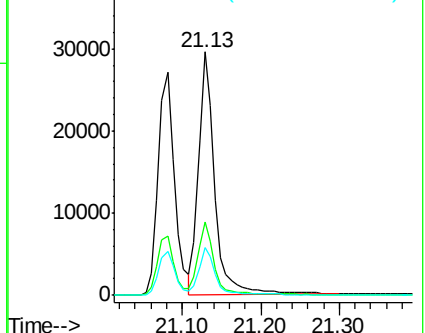
229 19.6 15.8 23.8



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: 1.28 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

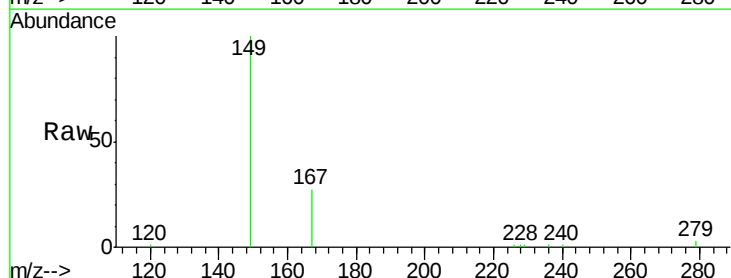
Tgt Ion:149 Resp: 11123

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

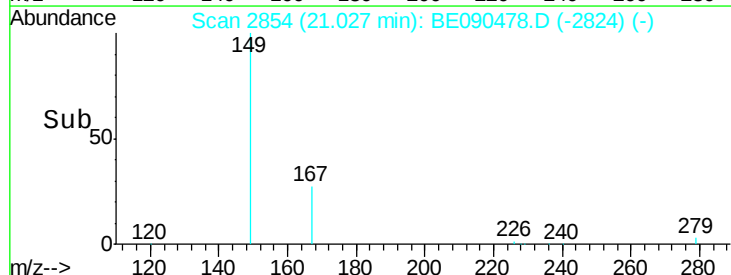
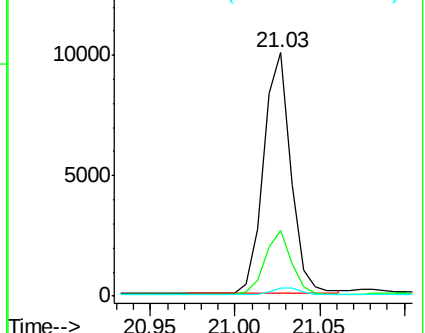
279 3.3 2.4 3.6



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

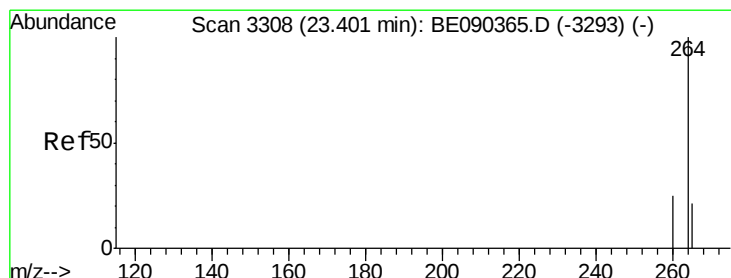
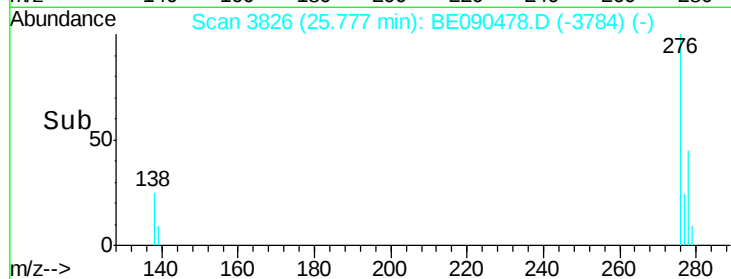
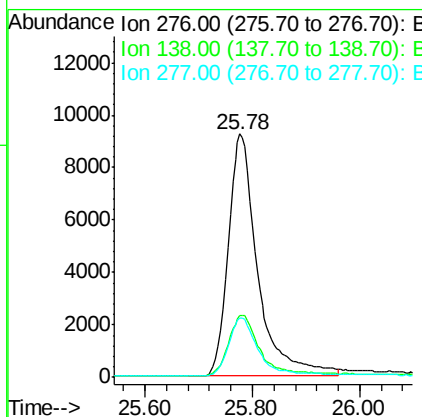
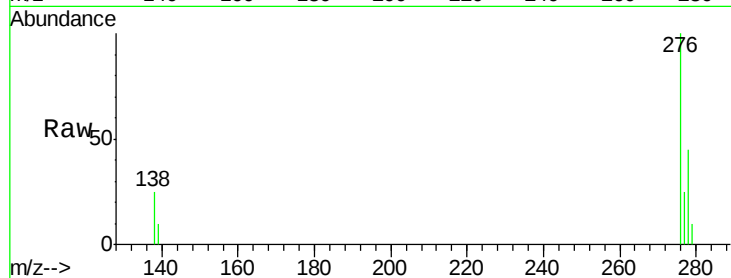




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.11 ng
 RT: 25.78 min Scan# 3826
 Delta R.T. -0.01 min
 Lab File: BE090478.D
 Acq: 12 Aug 2015 21:45

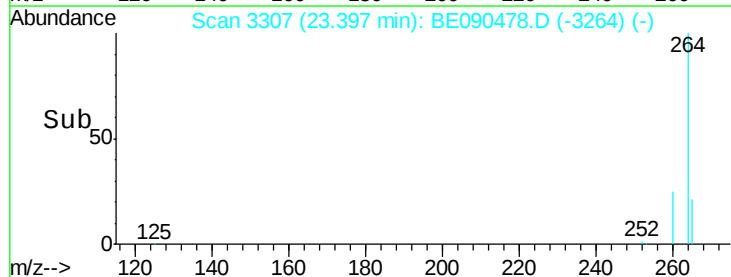
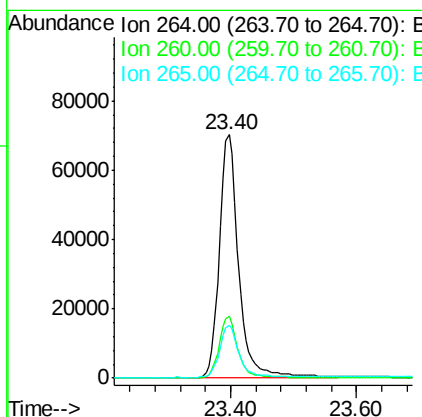
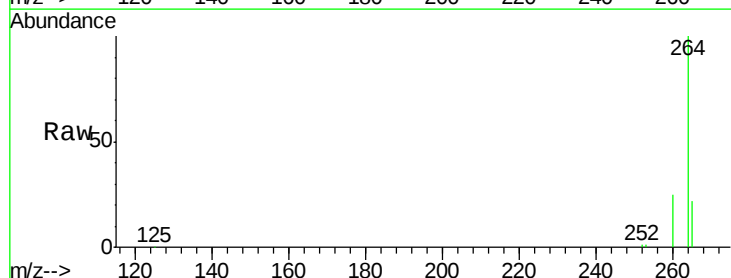
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 35388
 Ion Ratio Lower Upper
 276 100
 138 26.6 18.8 28.2
 277 24.5 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: BE090478.D
 Acq: 12 Aug 2015 21:45

Tgt Ion:264 Resp: 149823
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.1 30.1
 265 21.7 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 1.10 ng

RT: 22.70 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

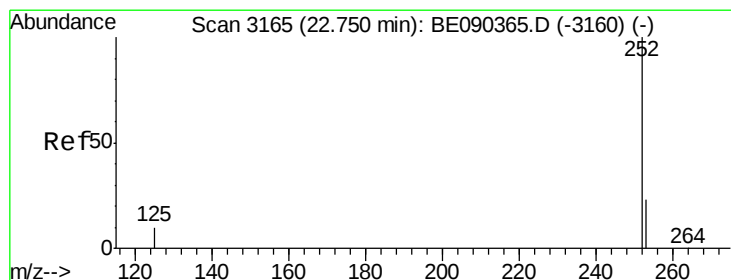
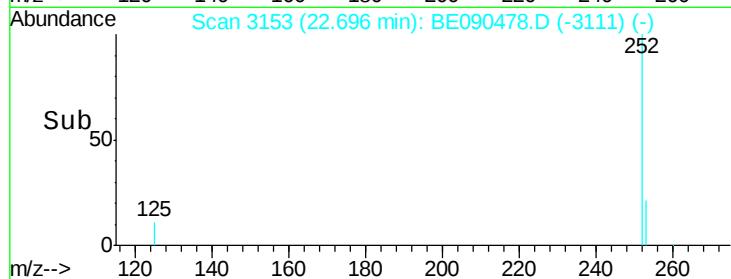
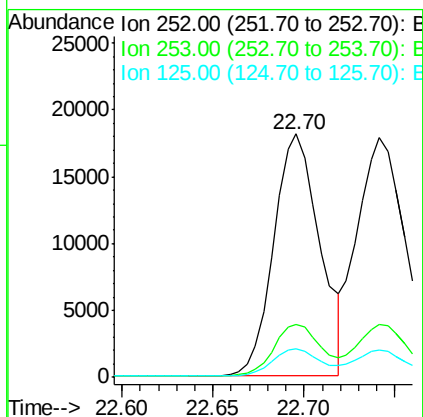
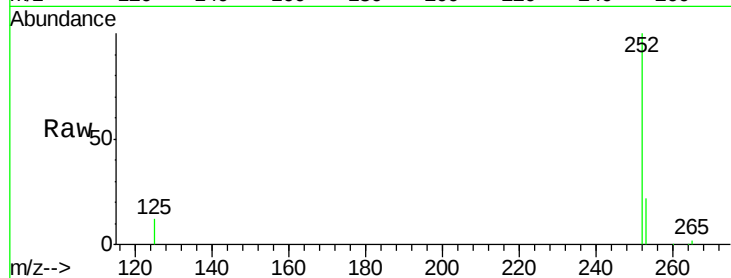
Tot Ion:252 Resp: 31939

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

125 11.6 9.4 14.2



#34

Benzo(k)fluoranthene

Concen: 0.90 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

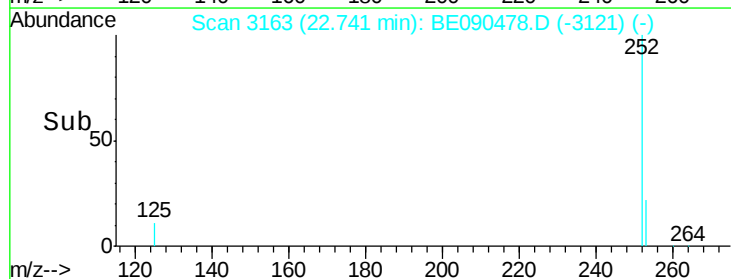
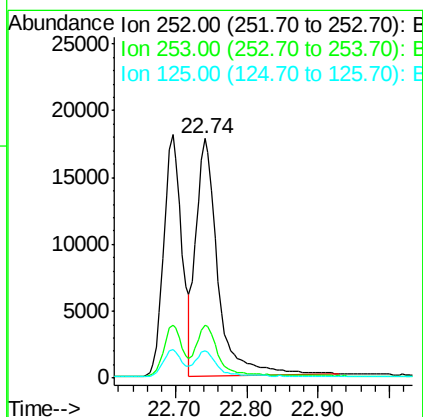
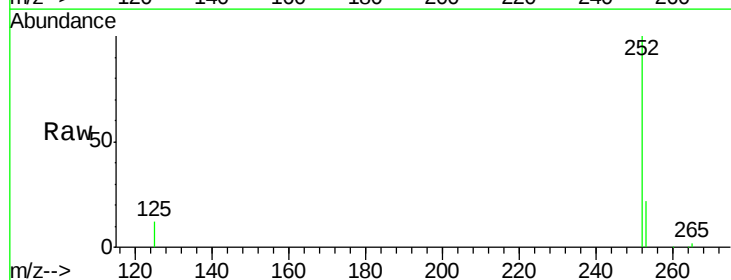
Tgt Ion:252 Resp: 37498

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 11.6 9.1 13.7





#35

Benzo(a)pyrene

Concen: 1.07 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :

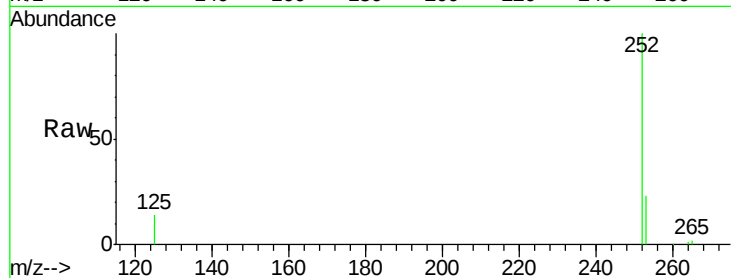
Tot Ion:252 Resp: 28416

Ion Ratio Lower Upper

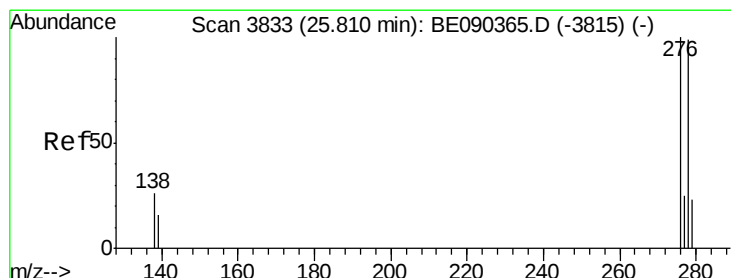
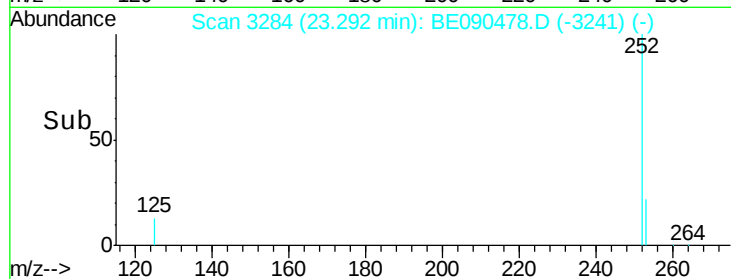
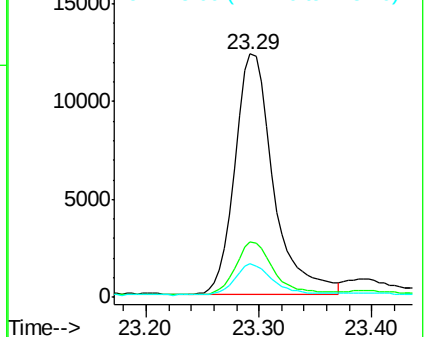
252 100

253 22.6 17.6 26.4

125 13.7 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: 1.09 ng

RT: 25.80 min Scan# 3830

Delta R.T. -0.01 min

Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

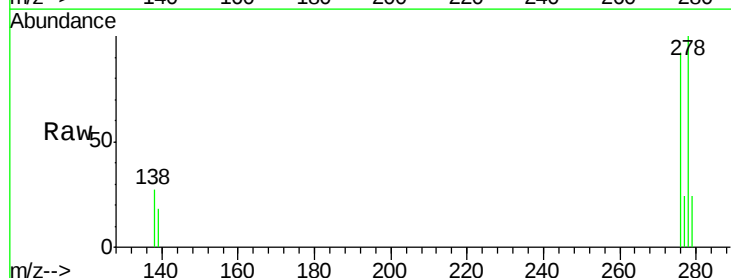
Tgt Ion:278 Resp: 26863

Ion Ratio Lower Upper

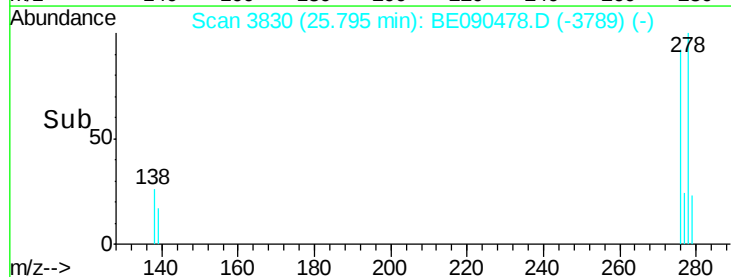
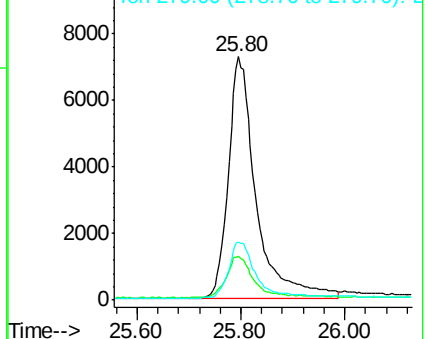
278 100

139 18.1 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: 1.09 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.01 min

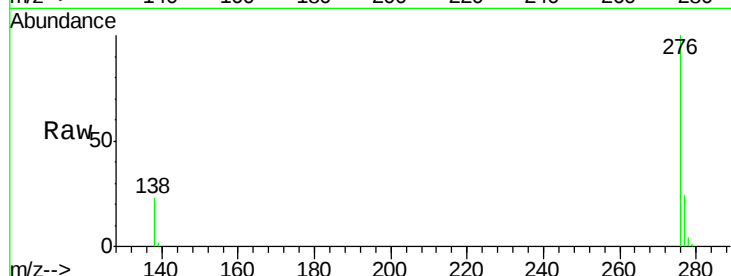
Lab File: BE090478.D

Acq: 12 Aug 2015 21:45

Instrument :

BNA_E

ClientSampleId :



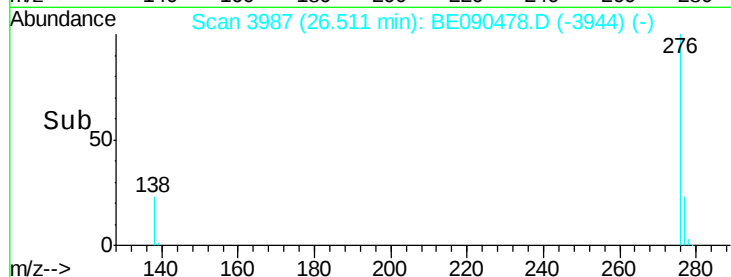
Tot Ion: 276 Resp: 30170

Ion Ratio Lower Upper

276 100

277 23.9 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

