

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081415\
 Data File : BE090526.D
 Acq On : 14 Aug 2015 18:34
 Operator : UM/IZ
 Sample : G3253-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 S32-9018

Quant Time: Aug 17 04:18:33 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 16:52:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	21637	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	104752	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	55527	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	122204	5.00	ng	0.00
25) Chrysene-d12	21.09	240	125159	5.00	ng	0.00
32) Perylene-d12	23.39	264	116226	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	49334	7.89	ng	0.00
5) Phenol-d6	6.77	99	81458	8.86	ng	0.00
7) Nitrobenzene-d5	8.72	82	44798	5.37	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	19968	9.34	ng	-0.02
14) 2-Fluorobiphenyl	12.81	172	87400	5.27	ng	0.00
27) Terphenyl-d14	19.55	244	121540	5.31	ng	0.00

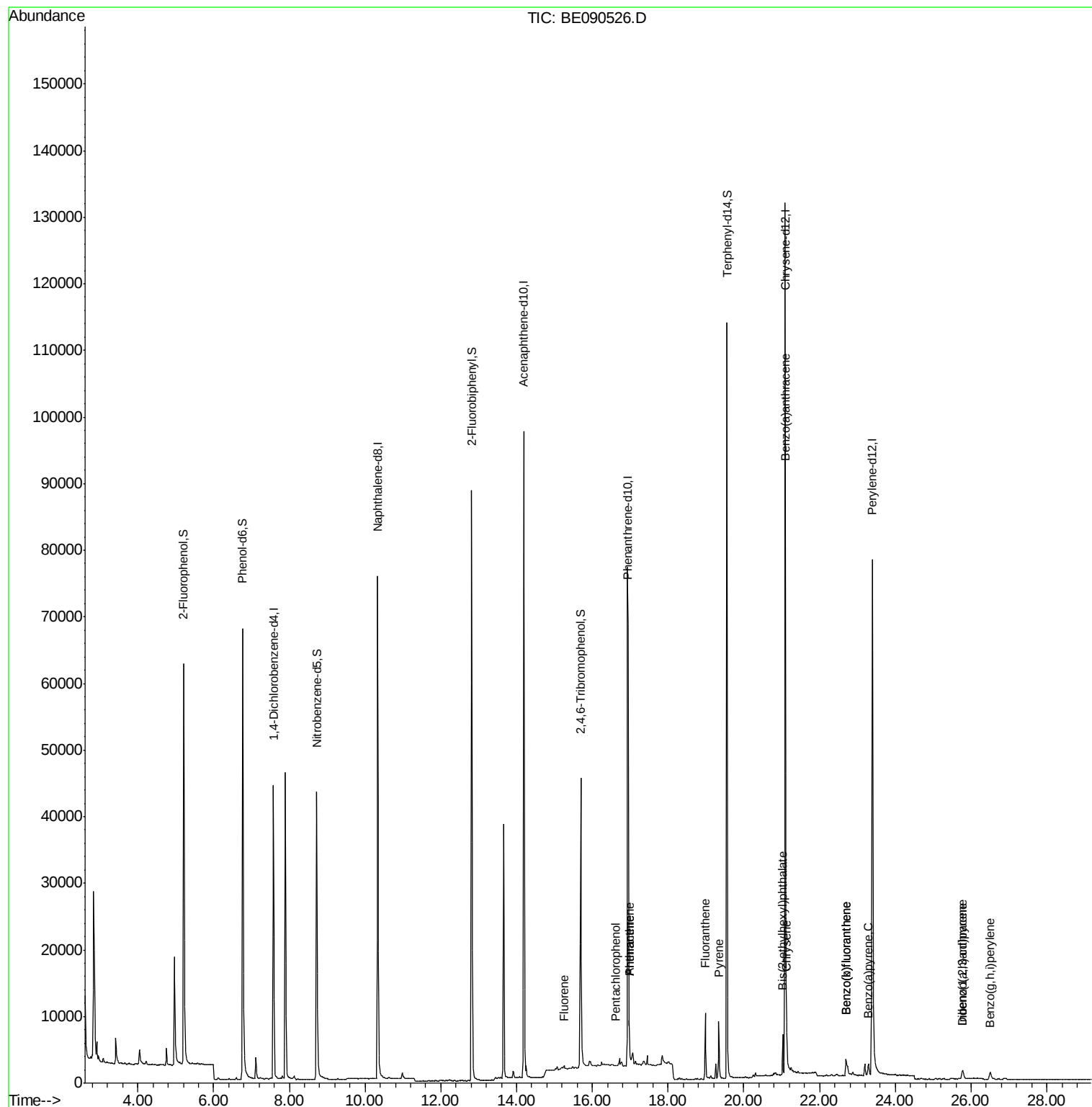
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Fluorene	15.26	166	598	0.03	ng	# 83
21) Pentachlorophenol	16.61	266	34	0.31	ng	# 69
22) Phenanthrene	16.98	178	6511	0.20	ng	97
23) Anthracene	16.98	178	6457	0.22	ng	96
24) Fluoranthene	18.98	202	9351	0.27	ng	# 89
26) Pyrene	19.34	202	8304	0.23	ng	# 95
28) Benzo(a)anthracene	21.08	228	4114	0.12	ng	# 94
29) Chrysene	21.13	228	3961	0.12	ng	# 89
30) Bis(2-ethylhexyl)phthalate	21.02	149	5539	0.41	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	2307	0.07	ng	# 93
33) Benzo(b)fluoranthene	22.70	252	4273	0.16	ng	# 69
34) Benzo(k)fluoranthene	22.70	252	4273	0.14	ng	# 69
35) Benzo(a)pyrene	23.29	252	2814	0.11	ng	# 66
36) Dibenzo(a,h)anthracene	25.79	278	933	0.04	ng	# 39
37) Benzo(a,h,i)perylene	26.51	276	2542	0.09	ng	# 78

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampled :

S32-9018

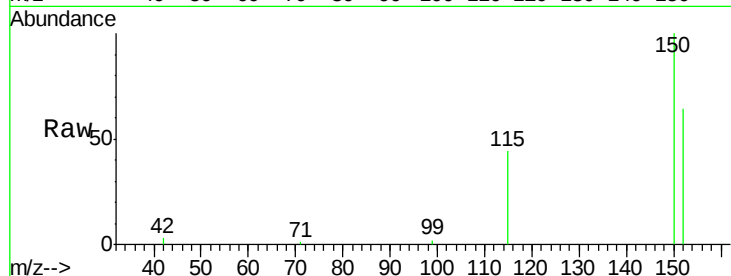
Tot Ion:152 Resp: 21637

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

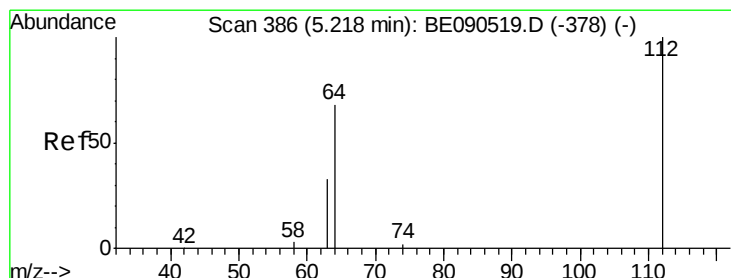
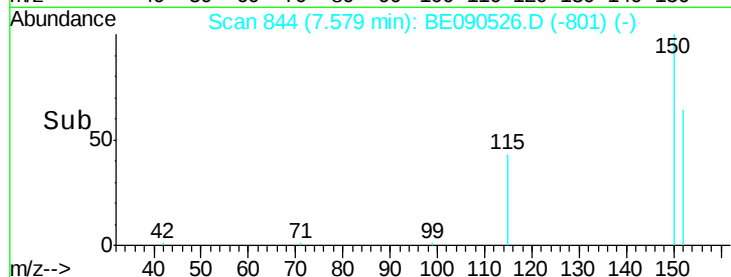
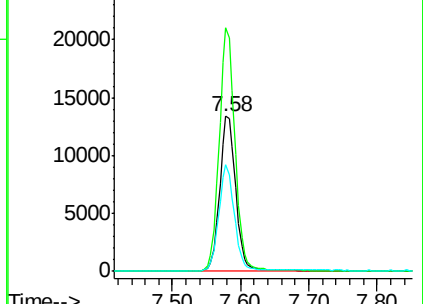
115 68.6 48.9 73.3



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



#4

2-Fluorophenol

Concen: 7.89 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

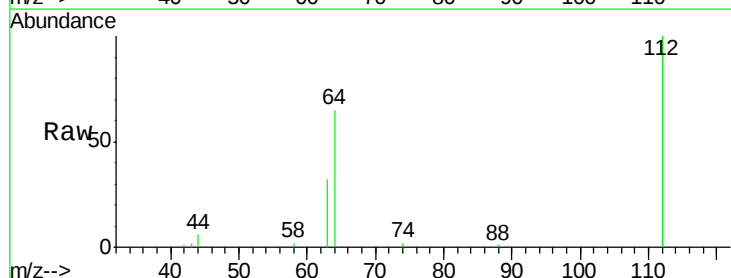
Tgt Ion:112 Resp: 49334

Ion Ratio Lower Upper

112 100

64 70.0 37.1 55.7#

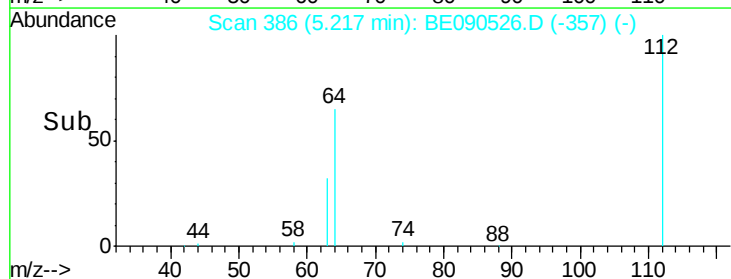
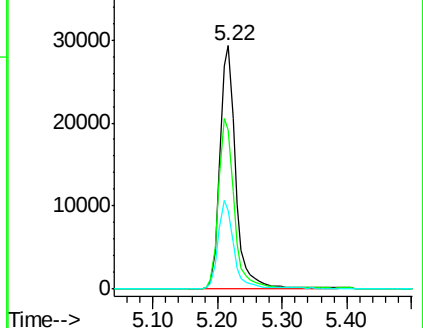
63 35.9 19.5 29.3#

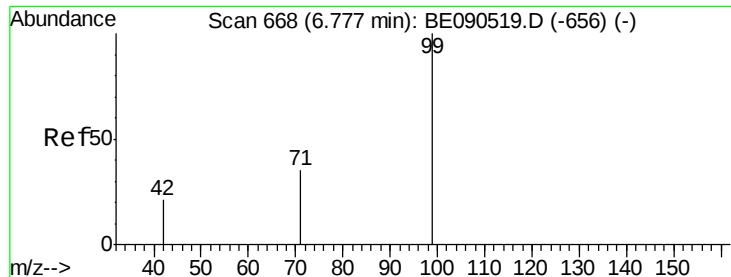


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.86 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampled :

S32-9018

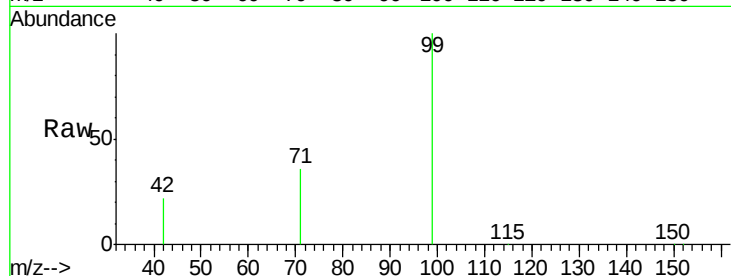
Tot Ion: 99 Resp: 81458

Ion Ratio Lower Upper

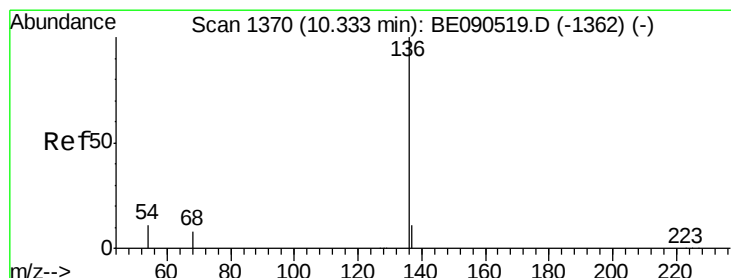
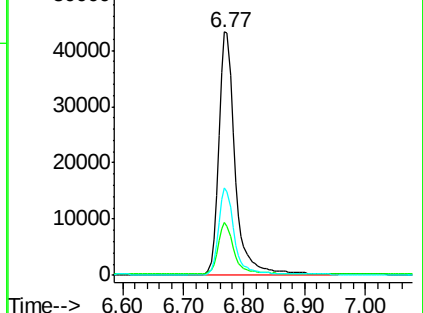
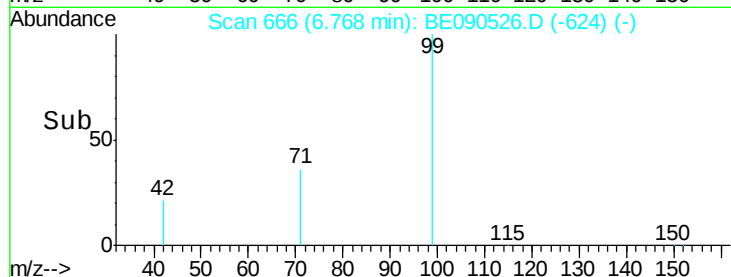
99 100

42 20.3 18.2 27.4

71 35.1 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. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Tgt Ion: 136 Resp: 104752

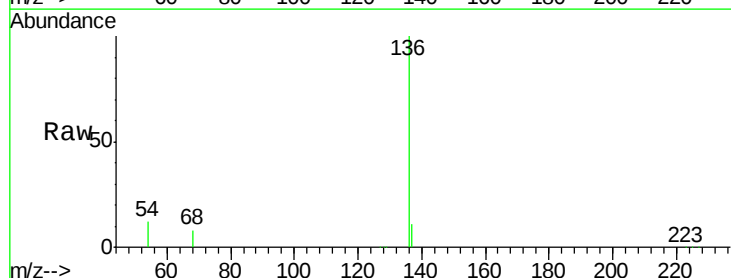
Ion Ratio Lower Upper

136 100

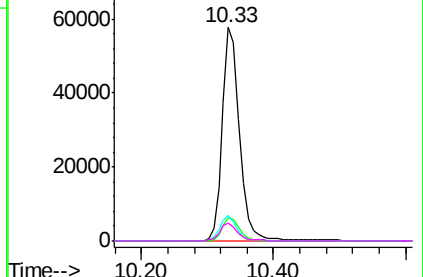
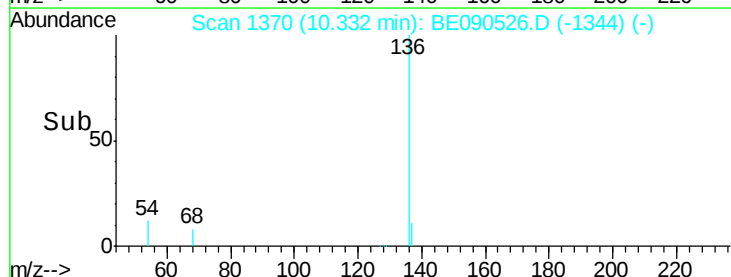
137 10.9 8.7 13.1

54 11.7 9.4 14.0

68 8.5 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: 5.37 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

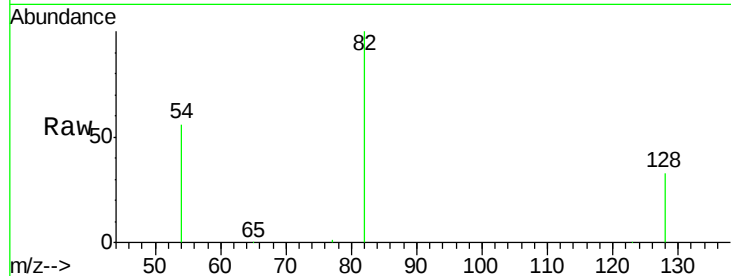
Tot Ion: 82 Resp: 44798

Ion Ratio Lower Upper

82 100

128 32.8 25.0 37.6

54 55.6 48.8 73.2

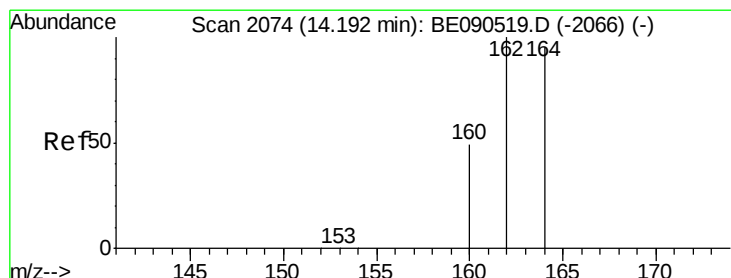
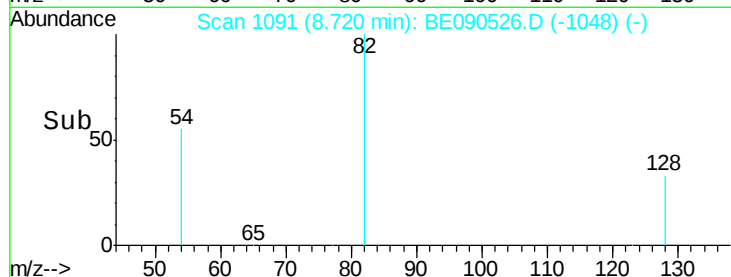


Abundance Ion 82.00 (81.70 to 82.70): BE090519.D (-1082) (-)

Ion 128.00 (127.70 to 128.70): BE090519.D (-1082) (-)

Ion 54.00 (53.70 to 54.70): BE090519.D (-1082) (-)

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

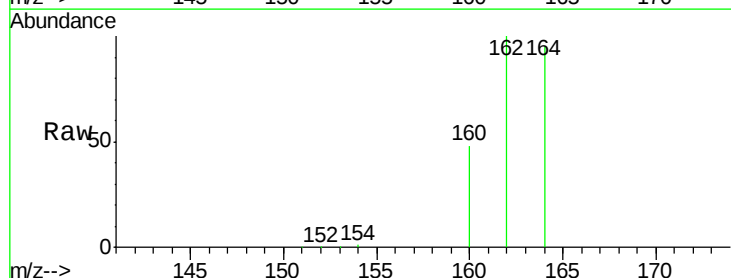
Tgt Ion: 164 Resp: 55527

Ion Ratio Lower Upper

164 100

162 105.1 81.8 122.8

160 50.7 44.2 66.4

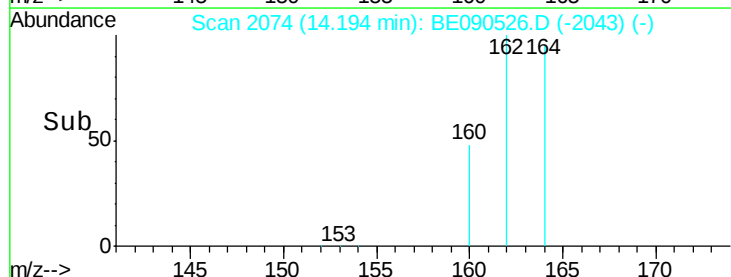


Abundance Ion 164.00 (163.70 to 164.70): BE090519.D (-2066) (-)

Ion 162.00 (161.70 to 162.70): BE090519.D (-2066) (-)

Ion 160.00 (159.70 to 160.70): BE090519.D (-2066) (-)

Time-->

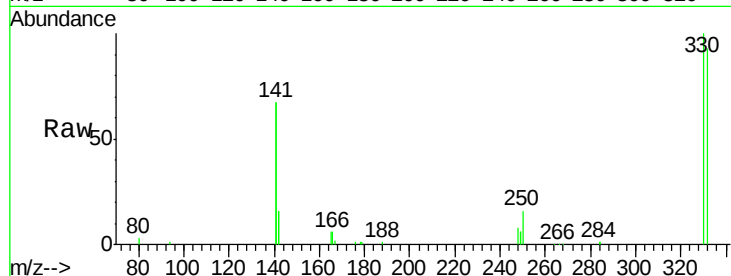




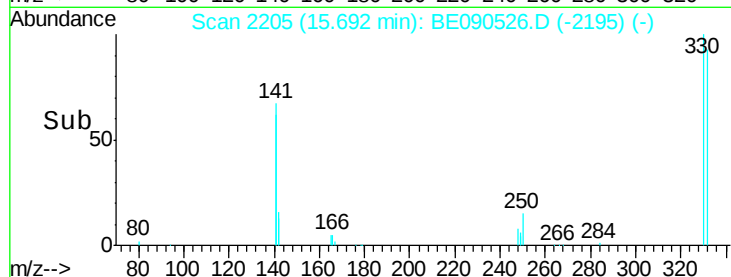
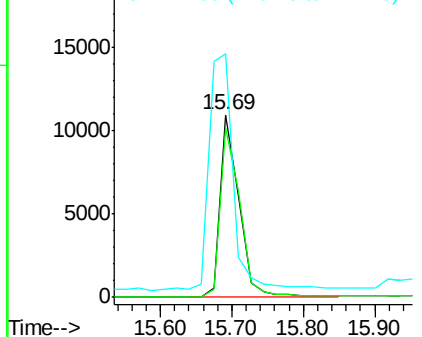
#13
 2,4,6-Tribromophenol
 Concen: 9.34 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

Instrument :
 BNA_E
 ClientSampleId :
 S32-9018

Tot Ion:330 Resp: 19968
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.8 113.6
 141 171.1 114.4 171.6

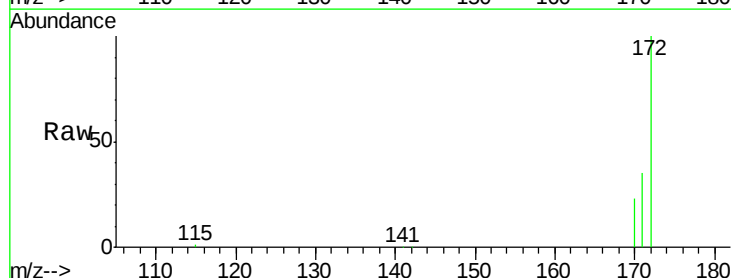


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

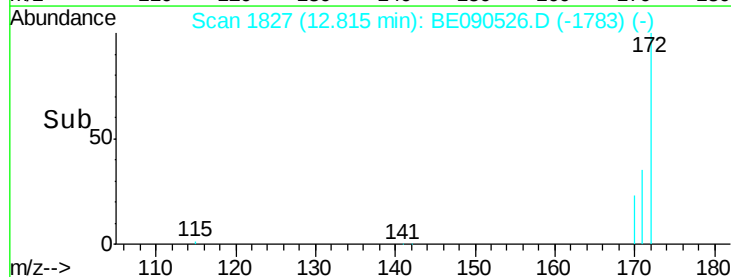
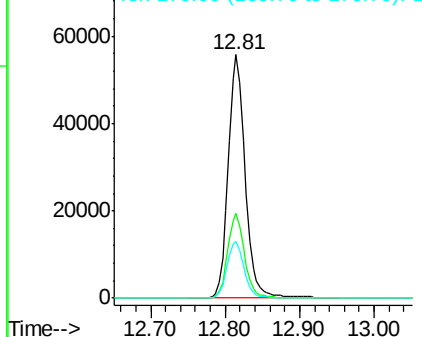


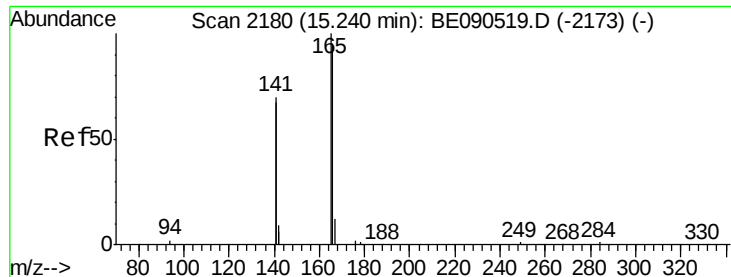
#14
 2-Fluorobiphenyl
 Concen: 5.27 ng
 RT: 12.81 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

Tgt Ion:172 Resp: 87400
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.2 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





#17

Fluorene

Concen: 0.03 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

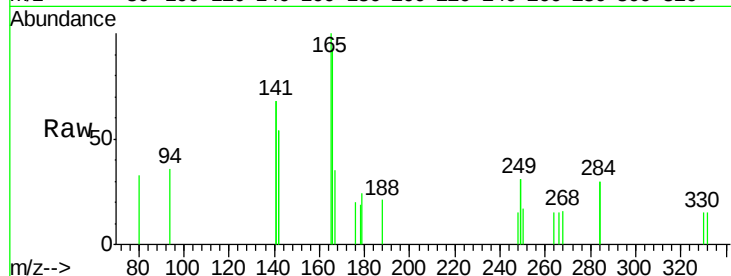
Tot Ion:166 Resp: 598

Ion Ratio Lower Upper

166 100

165 118.6 81.5 122.3

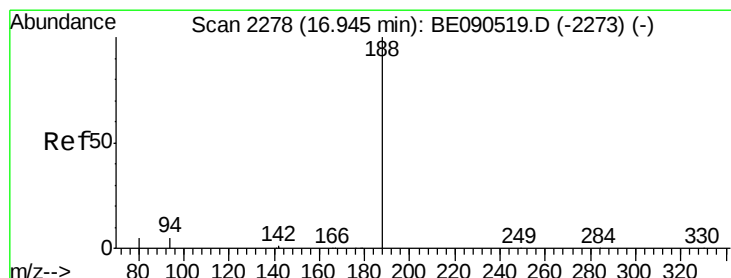
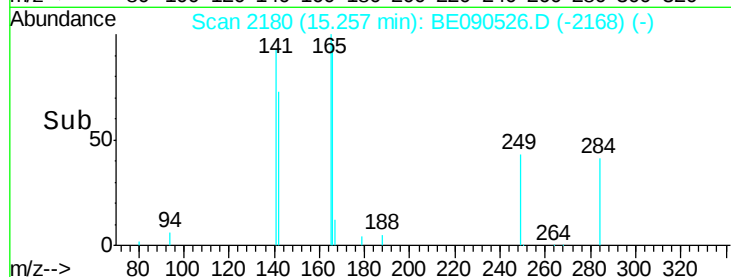
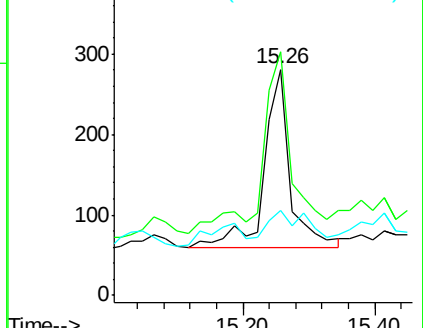
167 23.7 11.4 17.0#



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: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

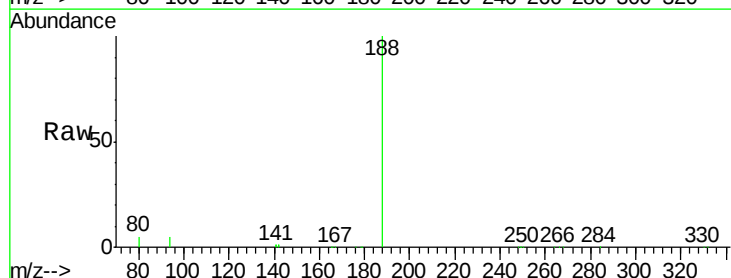
Tgt Ion:188 Resp: 122204

Ion Ratio Lower Upper

188 100

94 4.8 5.7 8.5#

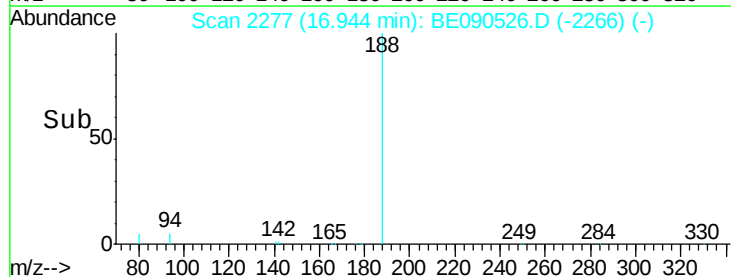
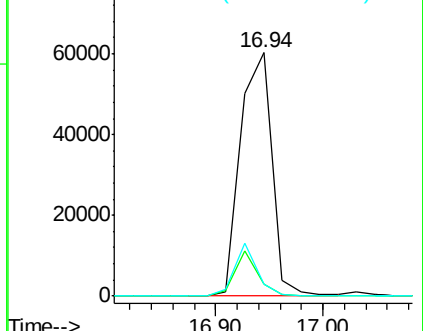
80 4.7 5.8 8.8#

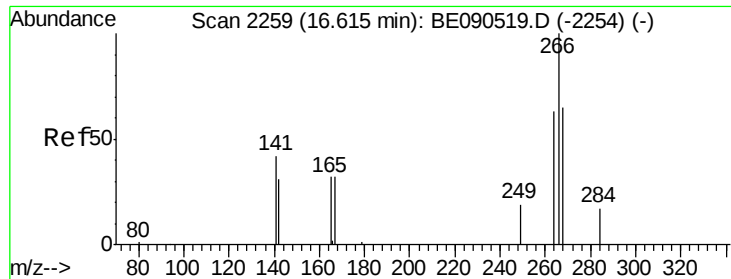


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

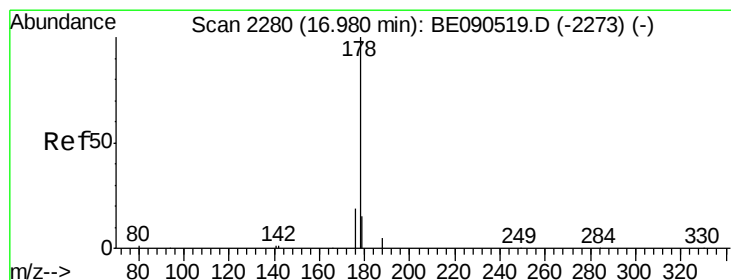
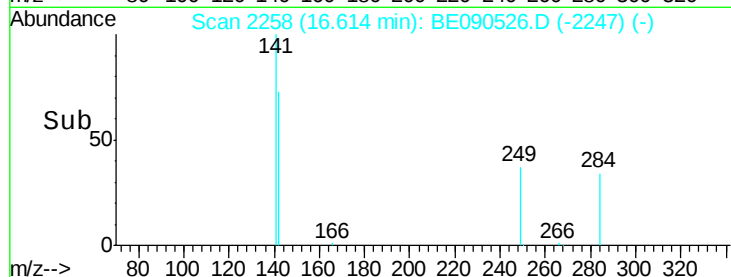
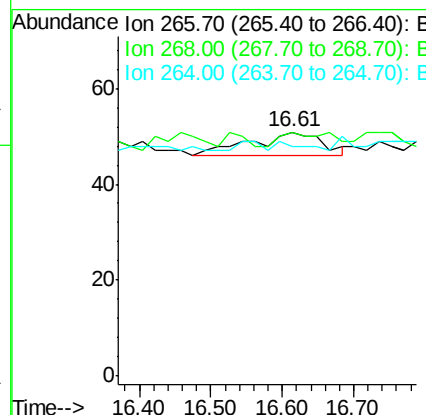
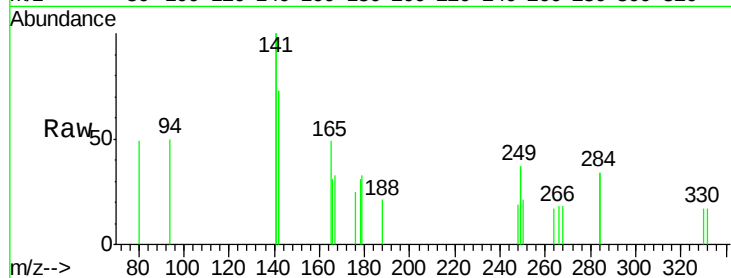




#21
 Pentachlorophenol
 Concen: 0.31 ng
 RT: 16.61 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

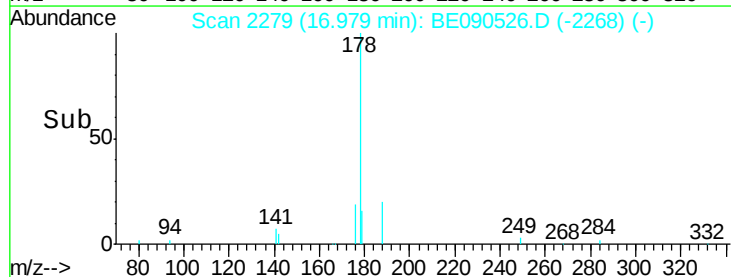
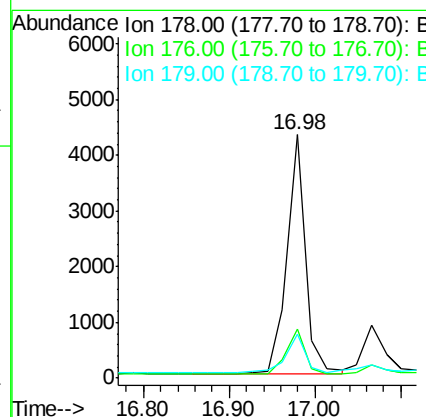
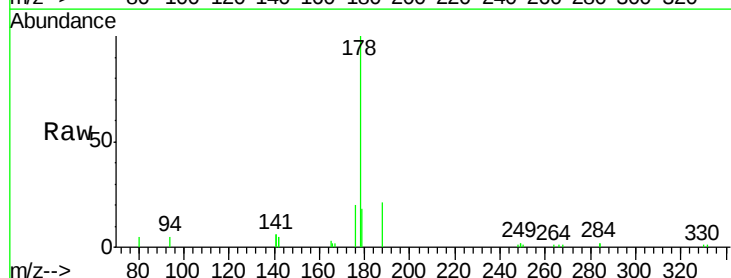
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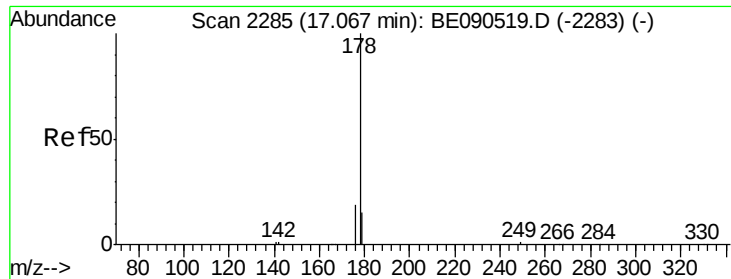
Tot Ion:266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 94.1 56.0 84.0#



#22
 Phenanthrene
 Concen: 0.20 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

Tgt Ion:178 Resp: 6511
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 17.2 12.5 18.7





#23

Anthracene

Concen: 0.22 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.09 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

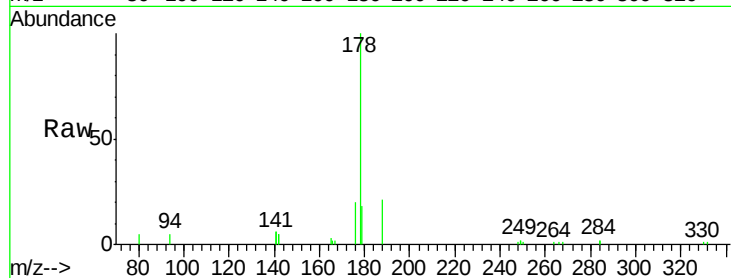
BNA_E

ClientSampleId :

S32-9018

Tot Ion:178 Resp: 6457

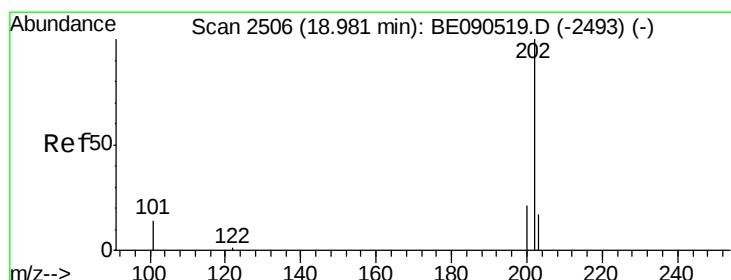
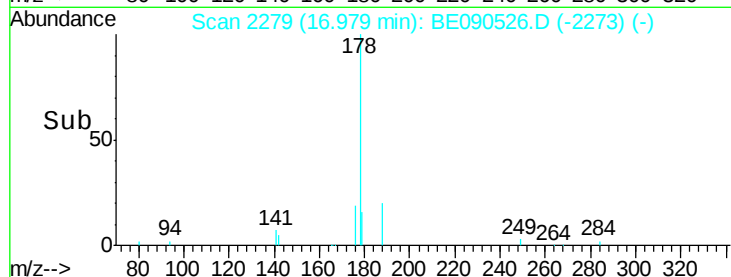
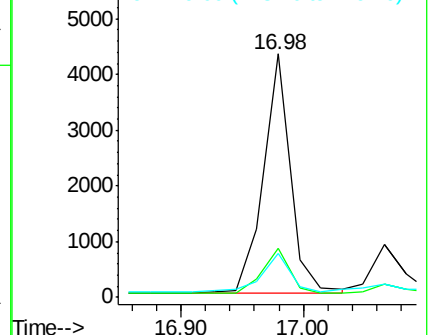
Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.9	22.3
179	17.4	12.2	18.4



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: 0.27 ng

RT: 18.98 min Scan# 2505

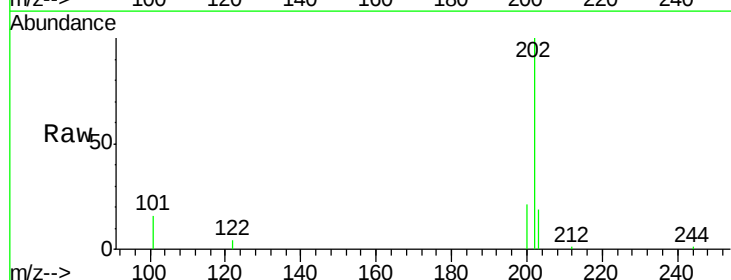
Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Tgt Ion:202 Resp: 9351

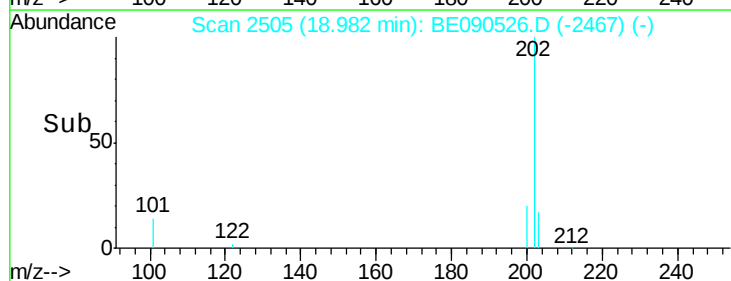
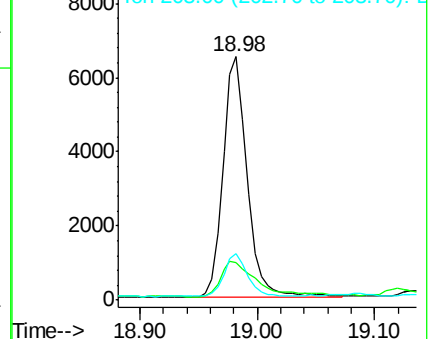
Ion	Ratio	Lower	Upper
202	100		
101	23.2	10.3	15.5#
203	17.2	13.7	20.5

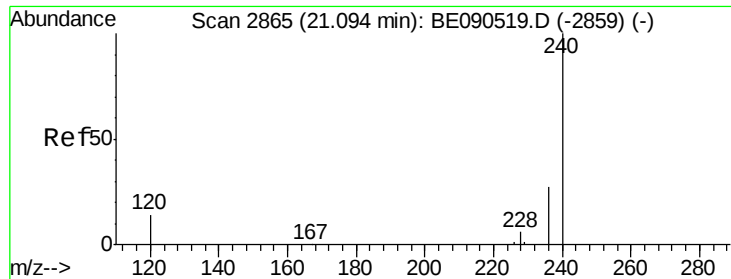


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

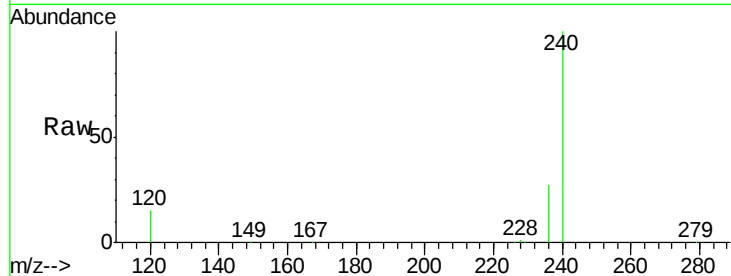
Tot Ion:240 Resp: 125159

Ion Ratio Lower Upper

240 100

120 14.6 8.3 12.5#

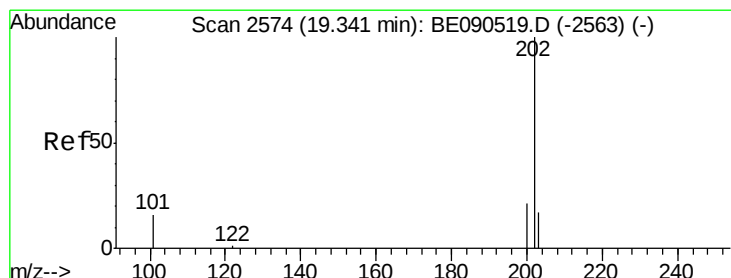
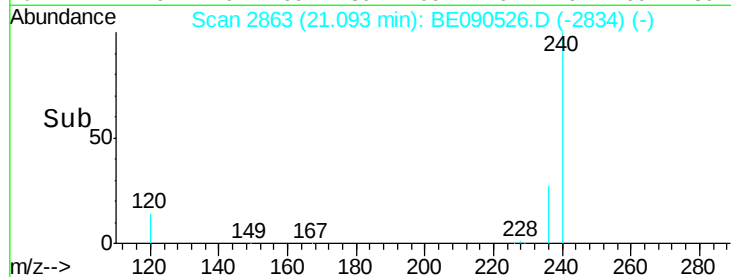
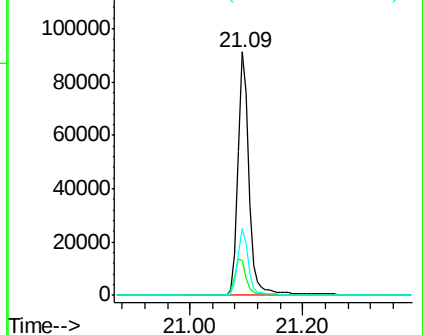
236 27.5 21.0 31.4



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: 0.23 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

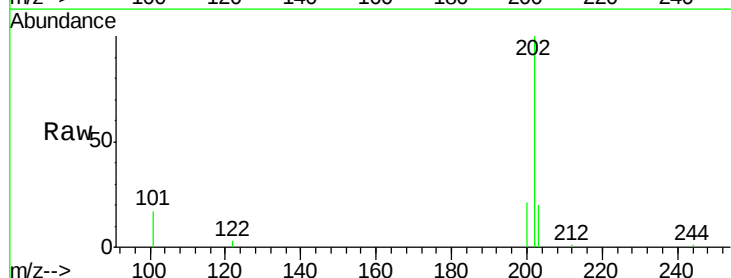
Tgt Ion:202 Resp: 8304

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

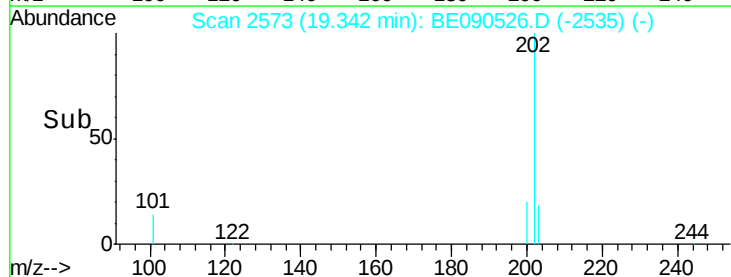
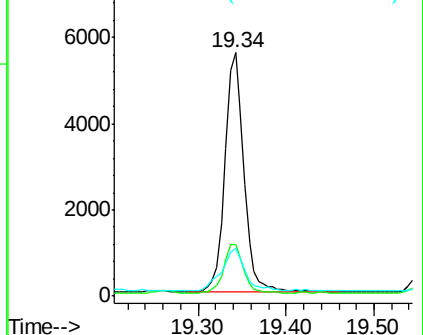
203 22.0 13.8 20.8#

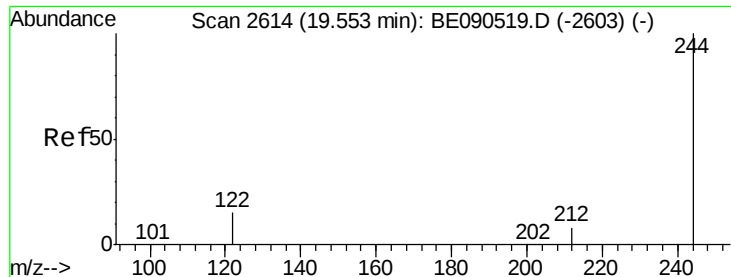


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 5.31 ng

RT: 19.55 min Scan# 2613

Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

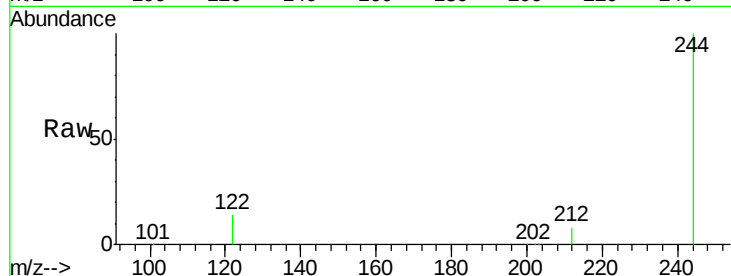
Tot Ion:244 Resp: 121540

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

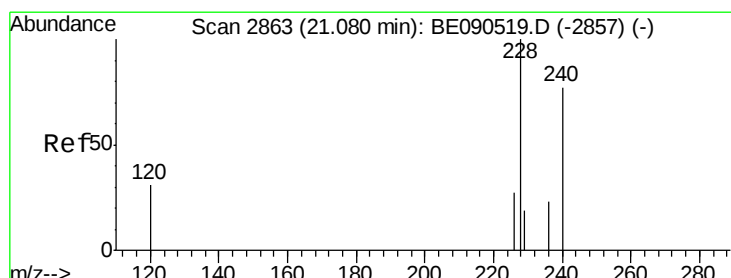
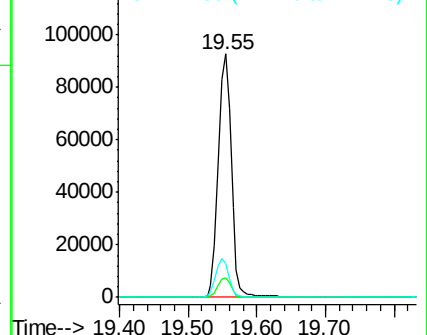
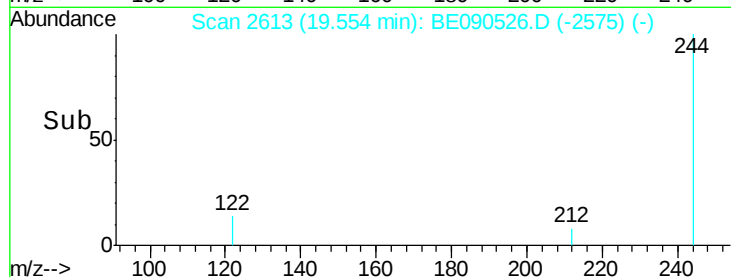
122 14.1 10.2 15.4



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: 0.12 ng

RT: 21.08 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

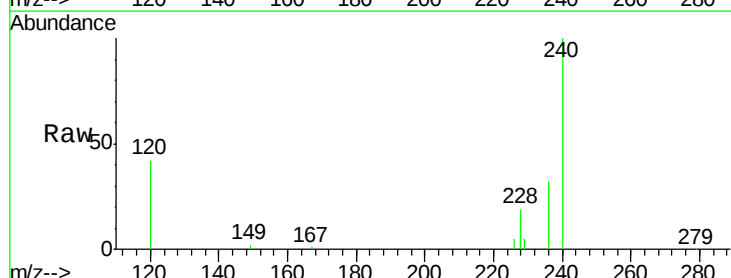
Tgt Ion:228 Resp: 4114

Ion Ratio Lower Upper

228 100

226 29.0 21.9 32.9

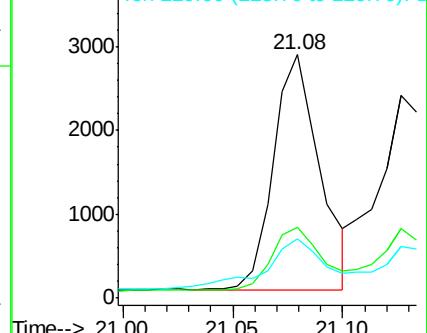
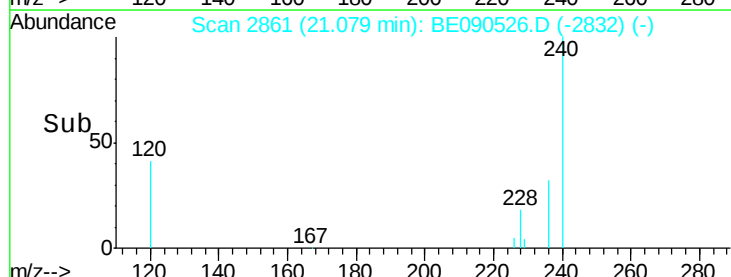
229 24.3 15.4 23.0#

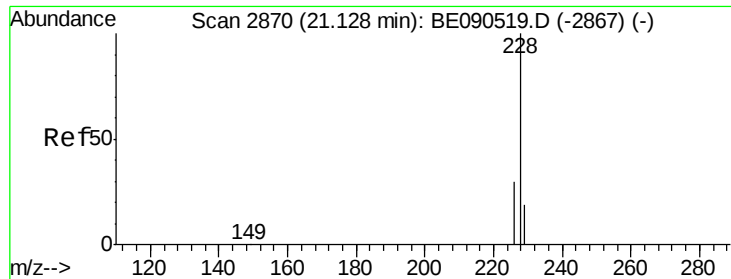


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.12 ng

RT: 21.13 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

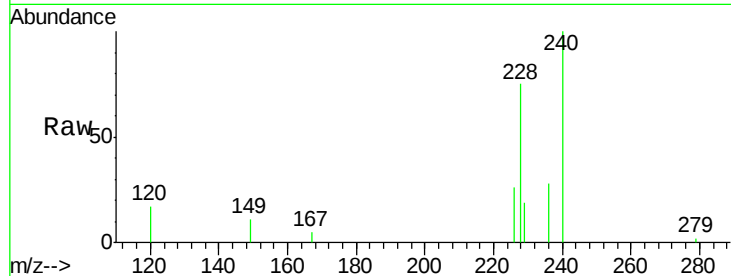
Tot Ion:228 Resp: 3961

Ion Ratio Lower Upper

228 100

226 34.2 23.1 34.7

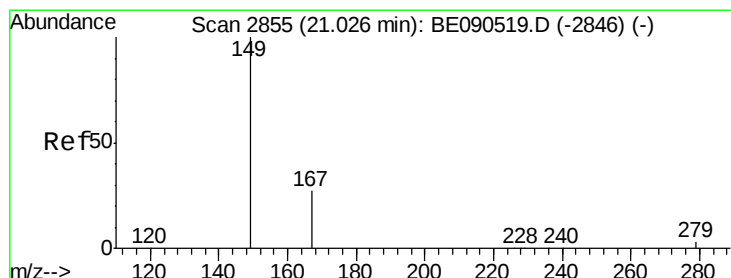
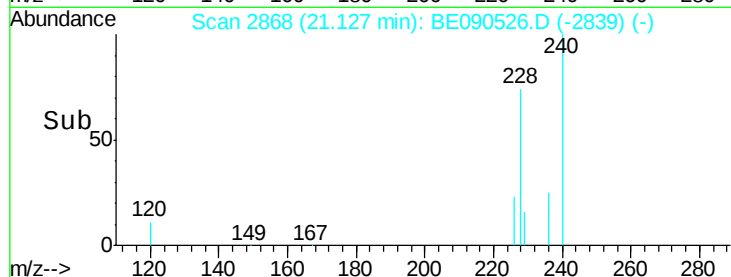
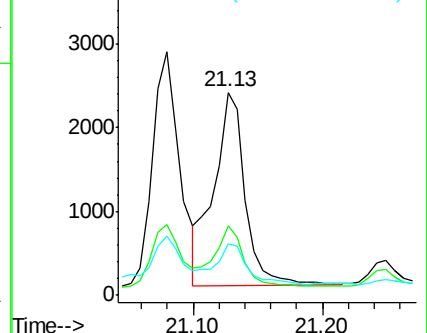
229 25.5 15.8 23.8#



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: 0.41 ng

RT: 21.02 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

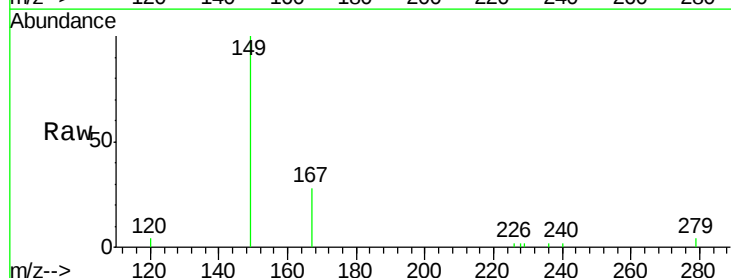
Tgt Ion:149 Resp: 5539

Ion Ratio Lower Upper

149 100

167 25.1 19.8 29.8

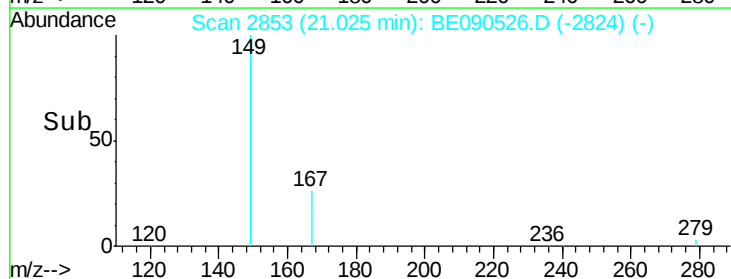
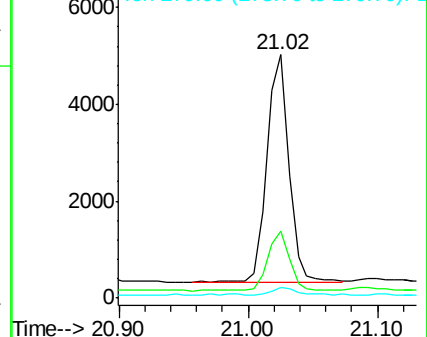
279 3.1 2.4 3.6

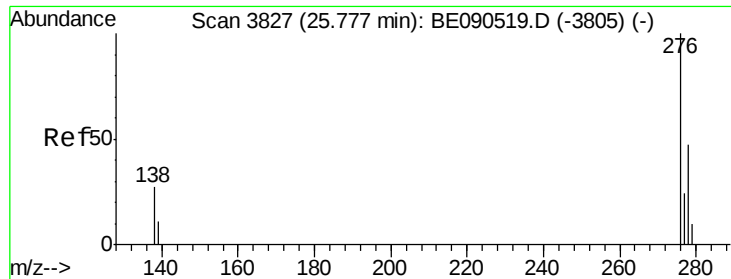


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

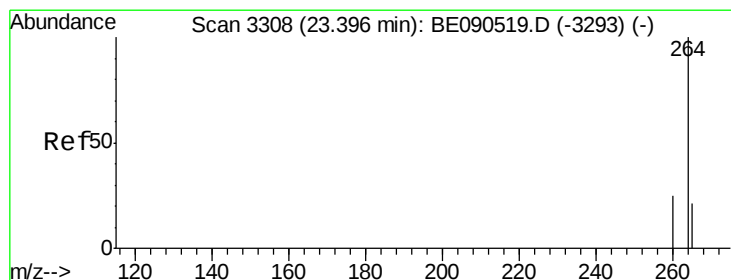
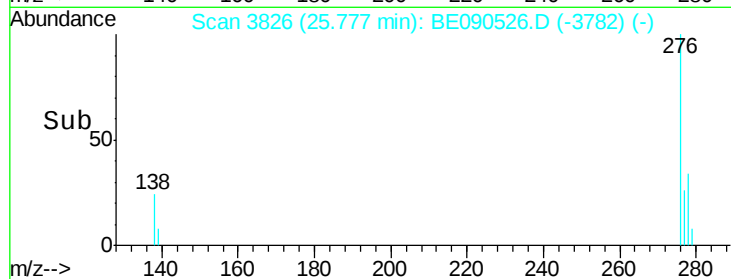
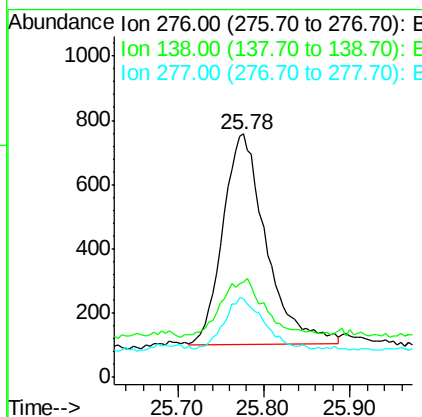
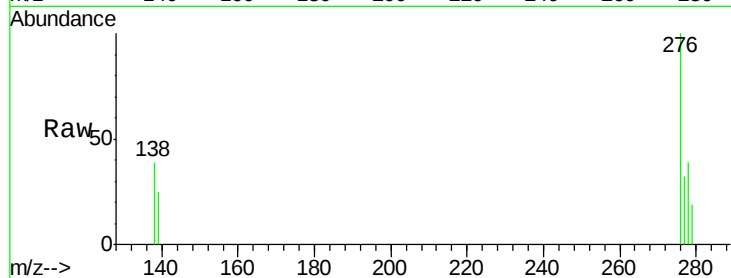




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng
 RT: 25.78 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

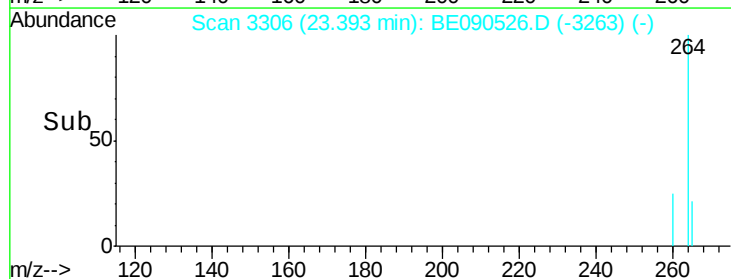
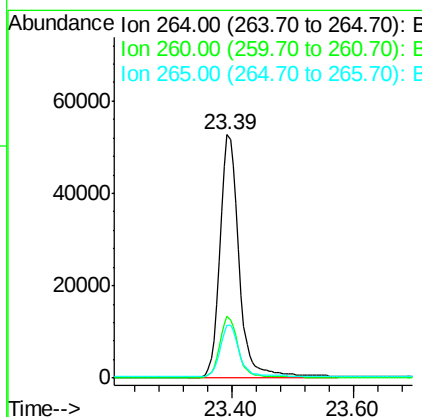
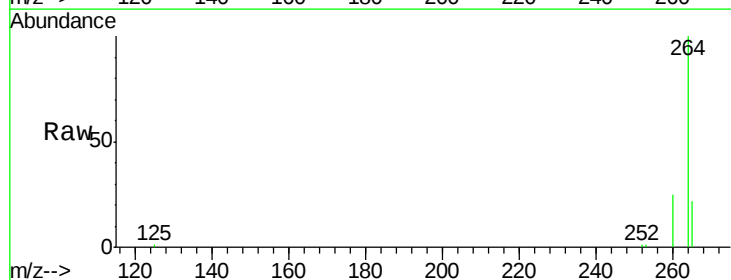
Instrument :
 BNA_E
 ClientSampleId :
 S32-9018

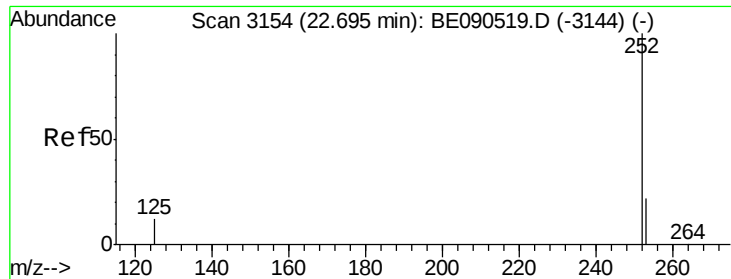
Tot Ion:276 Resp: 2307
 Ion Ratio Lower Upper
 276 100
 138 29.0 18.8 28.2#
 277 22.0 18.2 27.4



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: BE090526.D
 Acq: 14 Aug 2015 18:34

Tgt Ion:264 Resp: 116226
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.1 30.1
 265 21.7 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.16 ng

RT: 22.70 min Scan# 3154

Delta R.T. 0.01 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

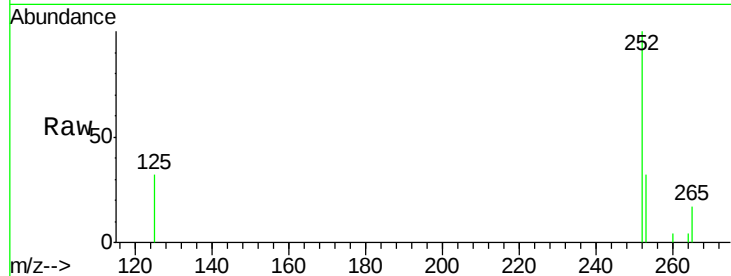
Tot Ion:252 Resp: 4273

Ion Ratio Lower Upper

252 100

253 32.1 18.1 27.1#

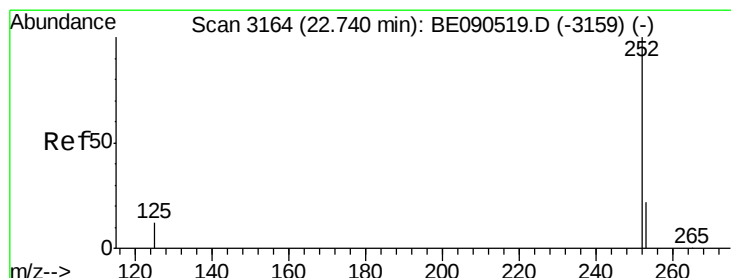
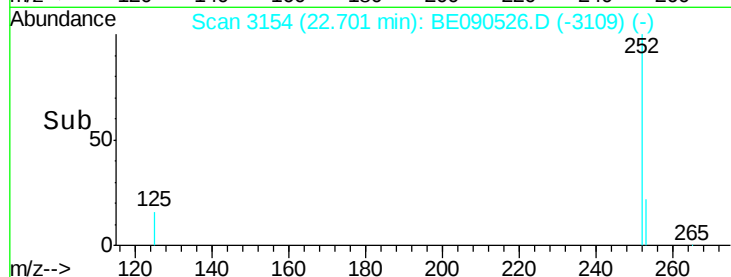
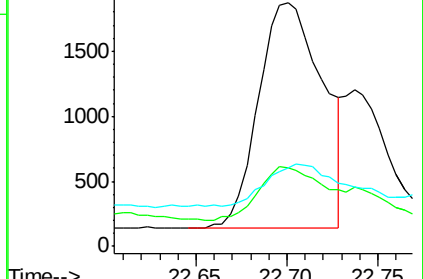
125 32.1 9.4 14.2#



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: 0.14 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.04 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

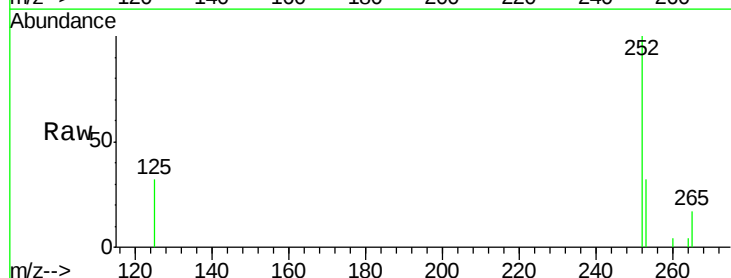
Tgt Ion:252 Resp: 4273

Ion Ratio Lower Upper

252 100

253 32.1 18.1 27.1#

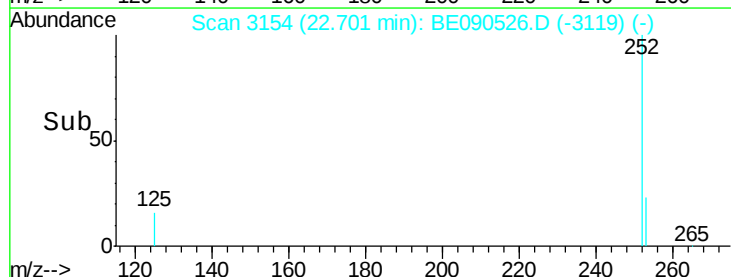
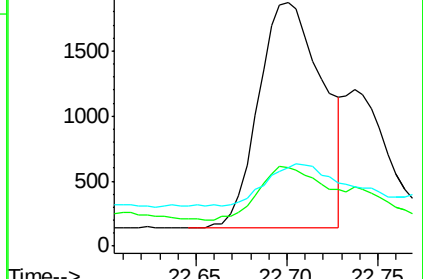
125 32.1 9.1 13.7#

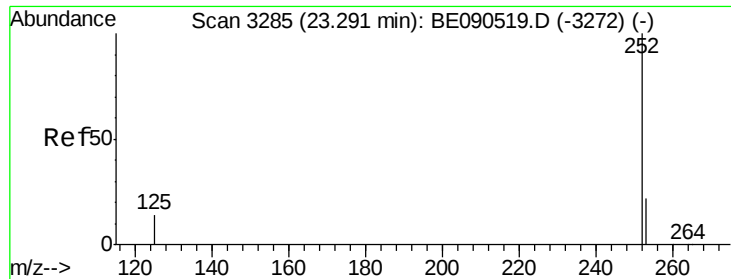


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.11 ng

RT: 23.29 min Scan# 3283

Delta R.T. -0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

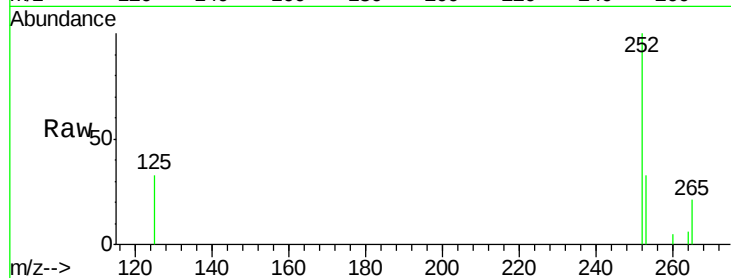
Tot Ion:252 Resp: 2814

Ion Ratio Lower Upper

252 100

253 33.3 17.6 26.4#

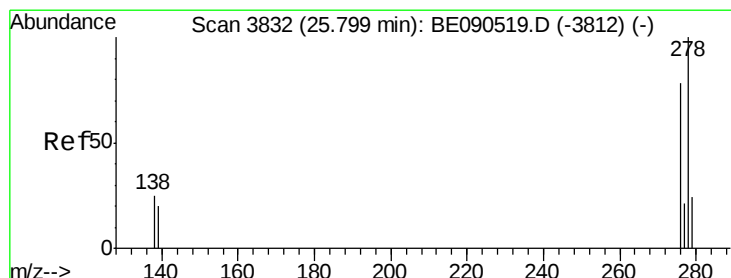
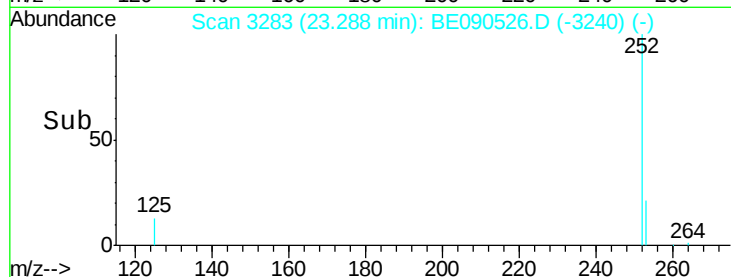
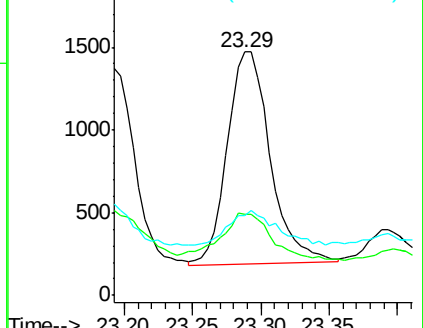
125 32.9 9.8 14.6#



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: 0.04 ng

RT: 25.79 min Scan# 3829

Delta R.T. -0.01 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

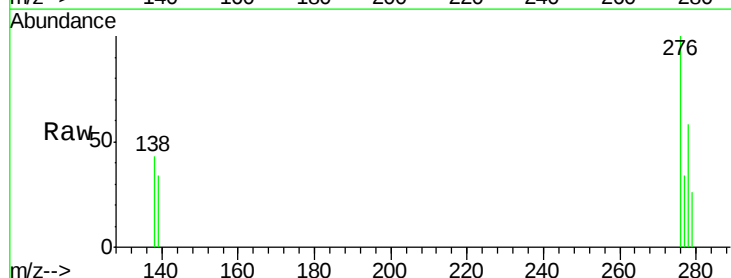
Tgt Ion:278 Resp: 933

Ion Ratio Lower Upper

278 100

139 58.2 14.2 21.4#

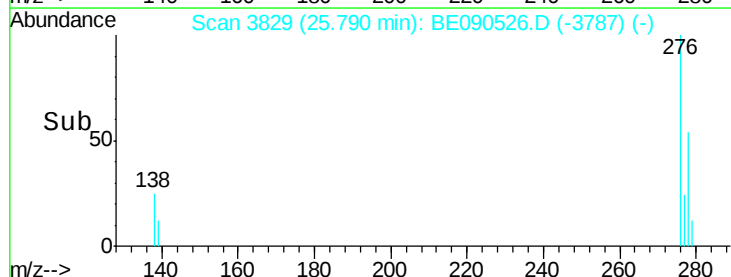
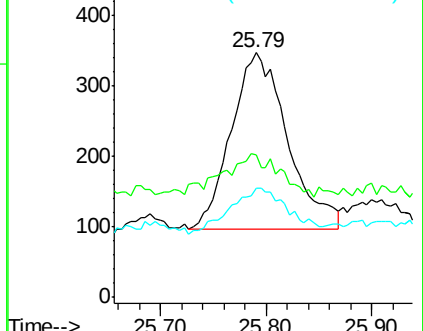
279 44.4 20.1 30.1#

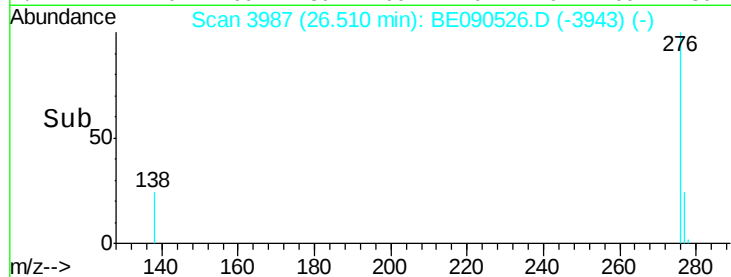
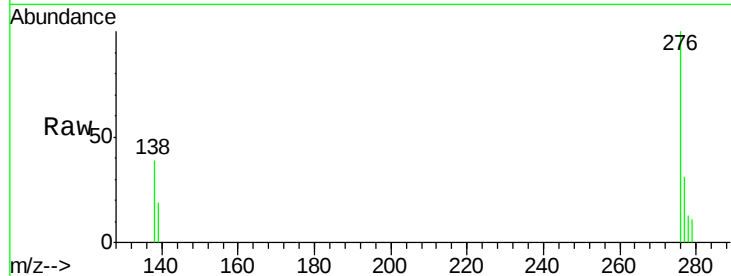
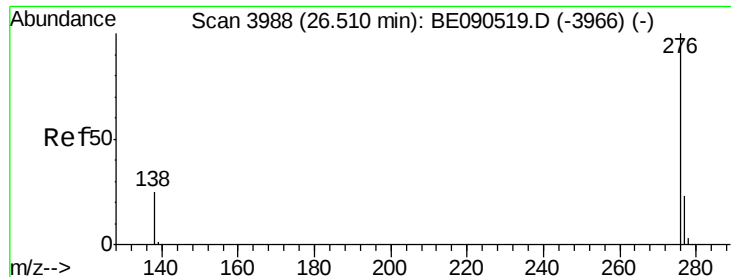


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 26.51 min Scan# 3987

Delta R.T. 0.00 min

Lab File: BE090526.D

Acq: 14 Aug 2015 18:34

Instrument :

BNA_E

ClientSampleId :

S32-9018

Tot Ion: 276 Resp: 2542

Ion Ratio Lower Upper

276 100

277 31.0 20.1 30.1#

138 38.9 18.1 27.1#

