

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090020.D
 Acq On : 30 Jun 2015 20:54
 Operator : TP/IZ
 Sample : G2824-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0660204-150626

Quant Time: Jul 01 05:18:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	15425	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	66780	5.00	ng	-0.01
12) Acenaphthene-d10	14.22	164	36750	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	82227	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	103270	5.00	ng	-0.01
32) Perylene-d12	23.44	264	102487	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	25314	7.14	ng	0.00
5) Phenol-d6	6.80	99	37430	7.55	ng	0.00
7) Nitrobenzene-d5	8.76	82	22069	4.16	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9396	8.73	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	46050	4.17	ng	0.00
27) Terphenyl-d14	19.58	244	70550	4.10	ng	0.00

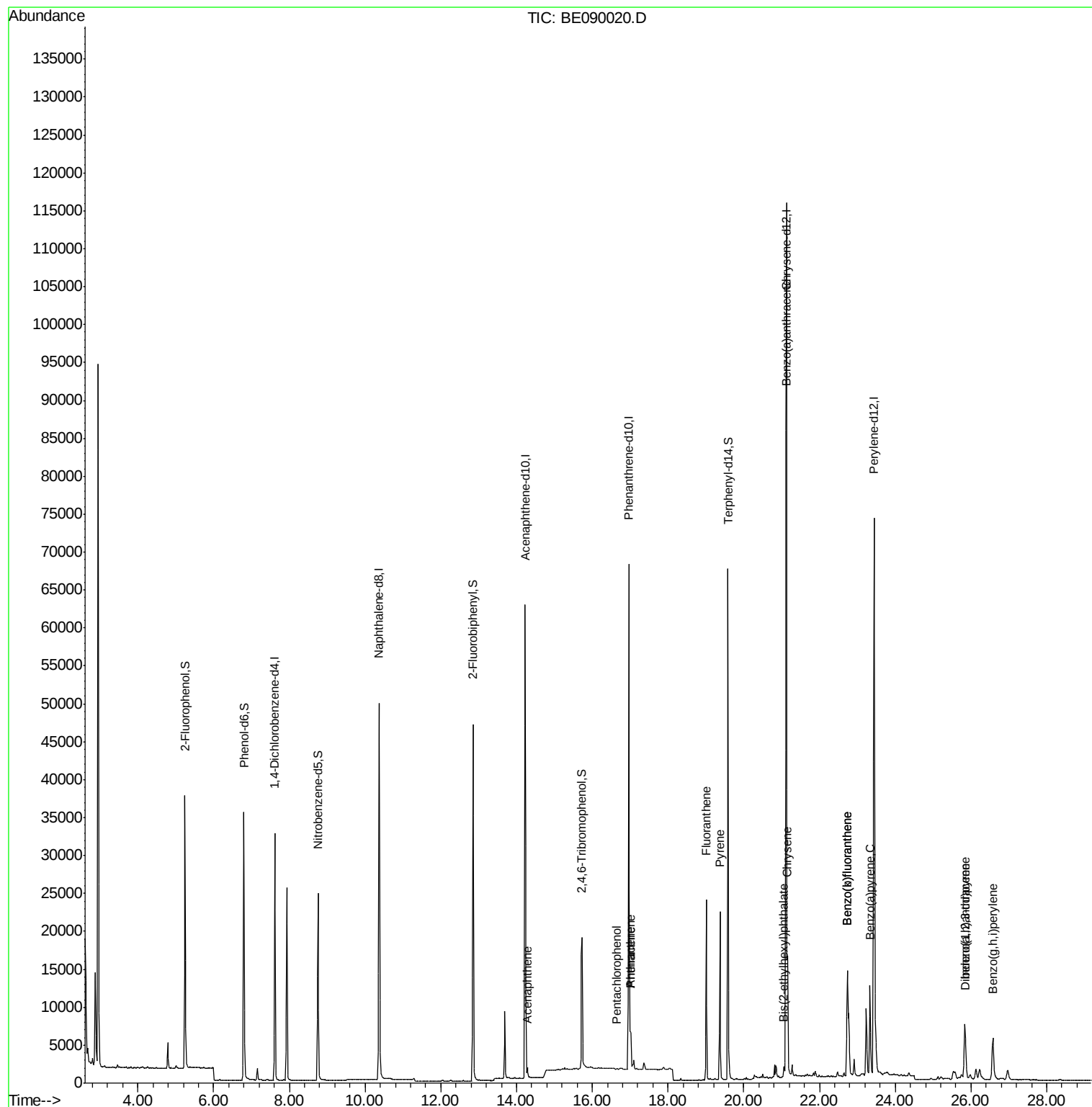
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthene	14.29	154	210	0.02	ng	93
21) Pentachlorophenol	16.63	266	28	0.27	ng	# 59
22) Phenanthrene	17.01	178	6724	0.32	ng	99
23) Anthracene	17.01	178	6707	0.35	ng	98
24) Fluoranthene	19.01	202	21678	0.92	ng	100
26) Pyrene	19.37	202	20410	0.83	ng	96
28) Benzo(a)anthracene	21.11	228	16876	0.65	ng	98
29) Chrysene	21.15	228	18151	0.68	ng	97
30) Bis(2-ethylhexyl)phthalate	21.05	149	1339	0.41	ng	96
31) Indeno(1,2,3-cd)pyrene	25.84	276	12100	0.47	ng	98
33) Benzo(b)fluoranthene	22.73	252	25399	1.12	ng	97
34) Benzo(k)fluoranthene	22.73	252	25399	1.01	ng	97
35) Benzo(a)pyrene	23.33	252	17011	0.81	ng	97
36) Dibenzo(a,h)anthracene	25.86	278	3349	0.16	ng	# 83
37) Benzo(g,h,i)perylene	26.57	276	12038	0.55	ng	96

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

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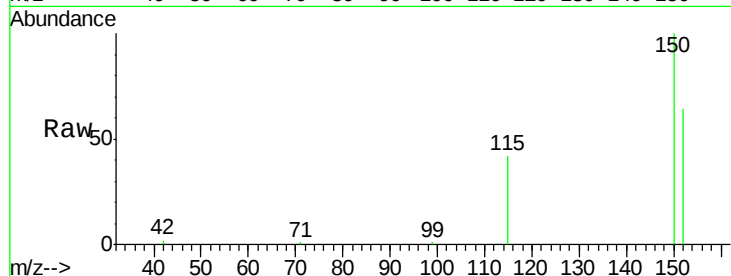


#1

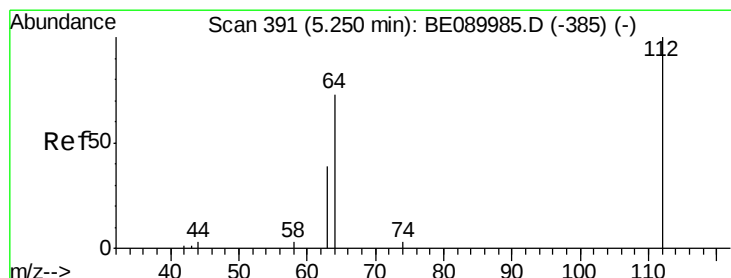
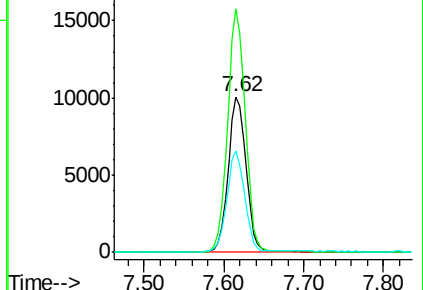
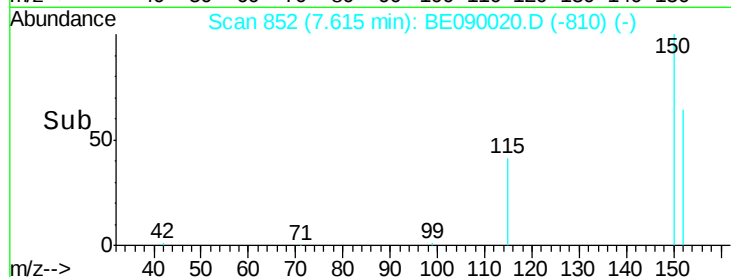
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090020.D
Acq: 30 Jun 2015 20:54

Instrument :
BNA_E
ClientSampleId :
X1SB0660204-150626

Tgt Ion:152 Resp: 15425
Ion Ratio Lower Upper
152 100
150 156.3 123.9 185.9
115 64.9 50.6 76.0



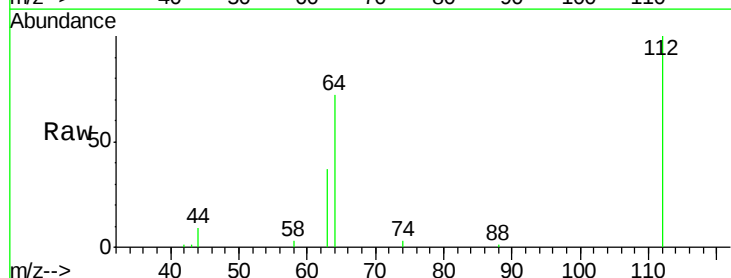
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



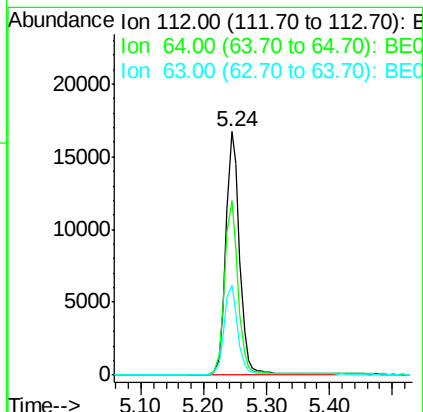
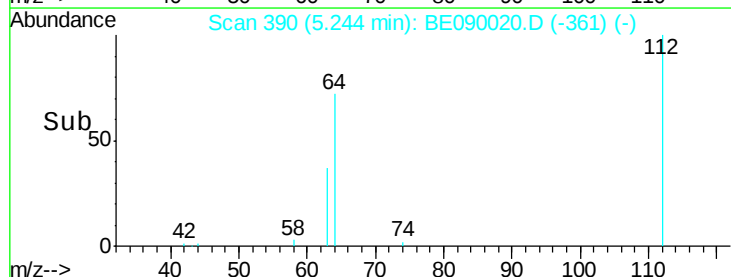
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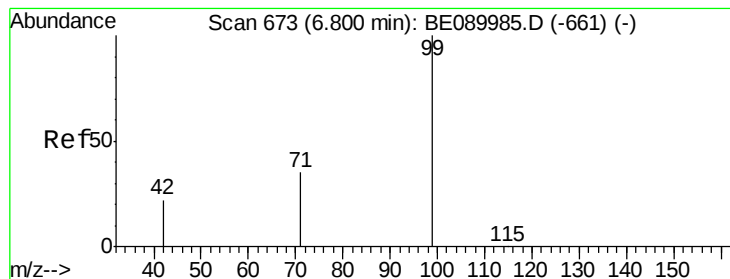
2-Fluorophenol
Concen: 7.14 ng
RT: 5.24 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE090020.D
Acq: 30 Jun 2015 20:54

Tgt Ion:112 Resp: 25314
Ion Ratio Lower Upper
112 100
64 70.7 56.3 84.5
63 36.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.55 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

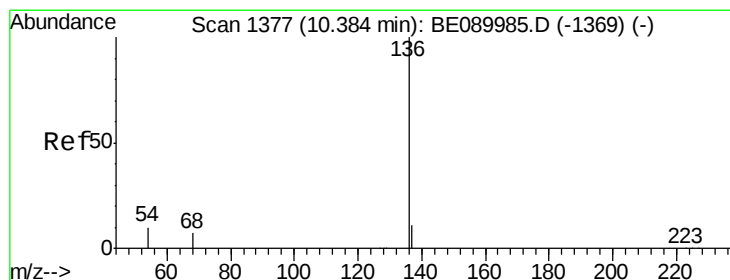
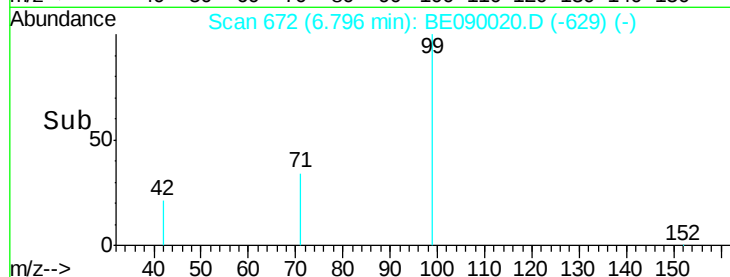
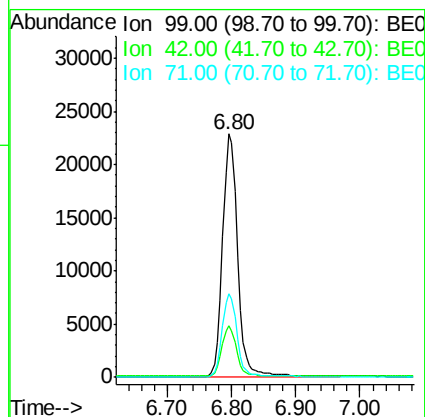
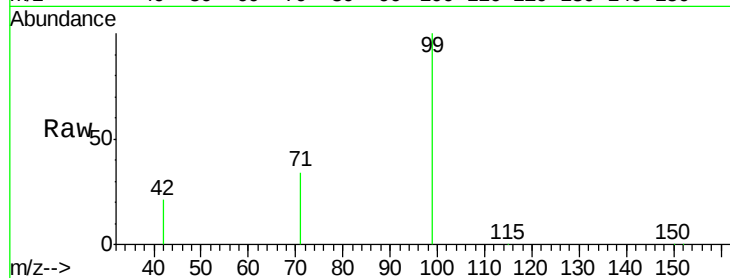
Tgt Ion: 99 Resp: 37430

Ion Ratio Lower Upper

99 100

42 20.5 18.7 28.1

71 33.6 27.5 41.3



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Tgt Ion: 136 Resp: 66780

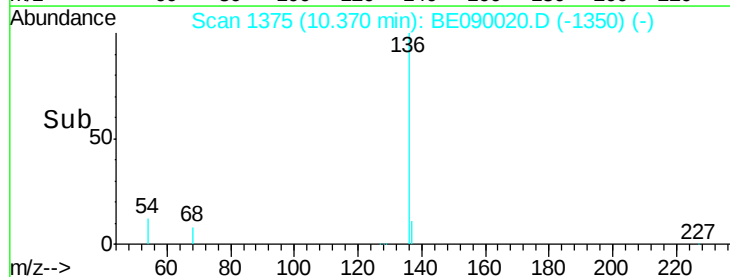
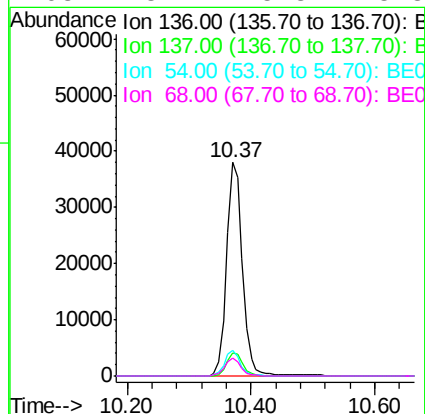
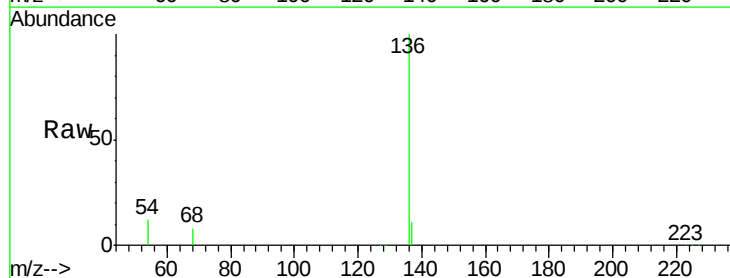
Ion Ratio Lower Upper

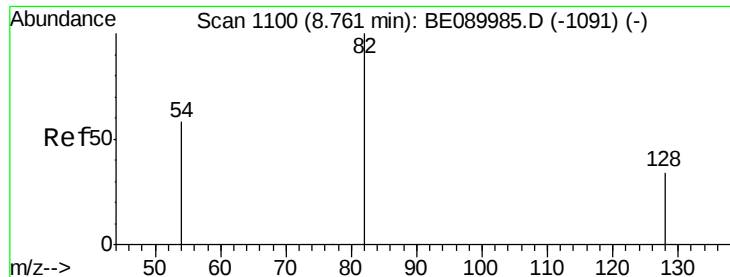
136 100

137 10.9 8.9 13.3

54 11.7 8.2 12.4

68 8.4 5.8 8.8





#7

Nitrobenzene-d5

Concen: 4.16 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

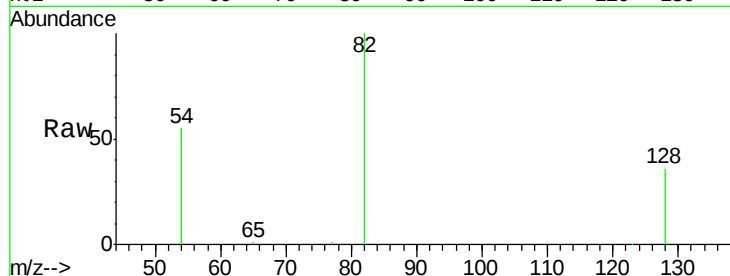
Tgt Ion: 82 Resp: 22069

Ion Ratio Lower Upper

82 100

128 35.9 28.0 42.0

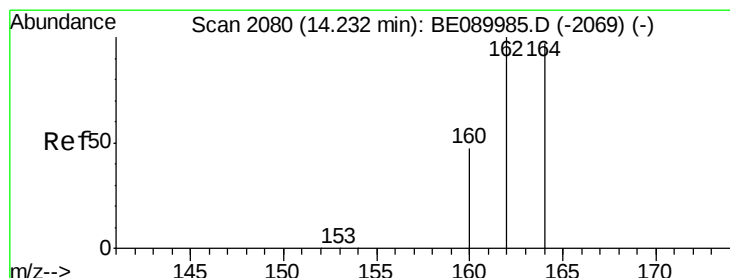
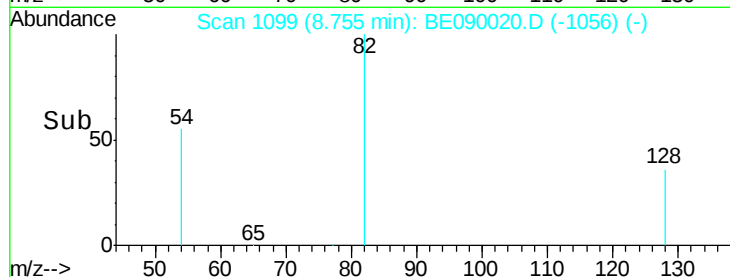
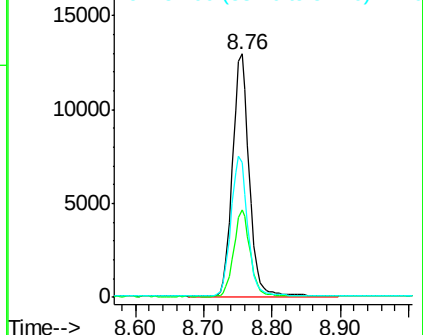
54 55.4 47.6 71.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

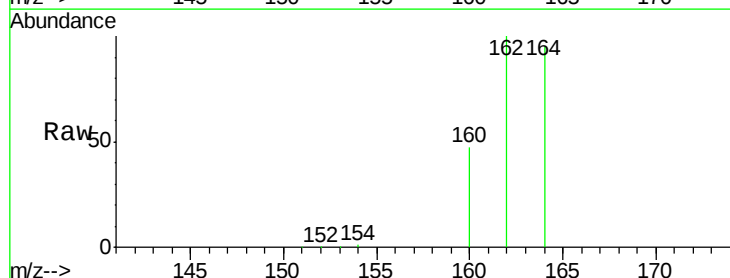
Tgt Ion: 164 Resp: 36750

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

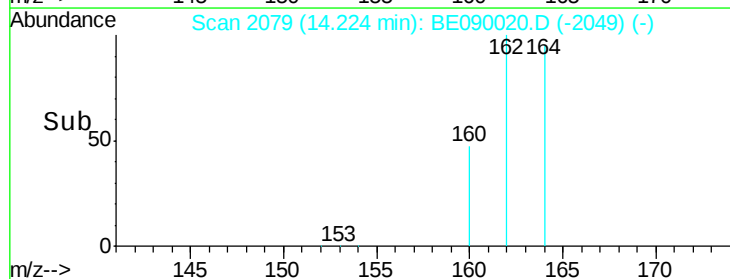
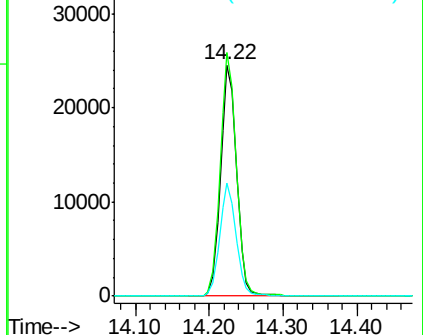
160 49.1 39.0 58.6

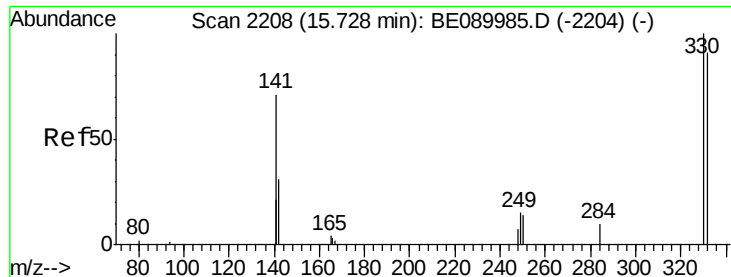


Abundance Ion 164.00 (163.70 to 164.70): BE0

Ion 162.00 (161.70 to 162.70): BE0

Ion 160.00 (159.70 to 160.70): BE0

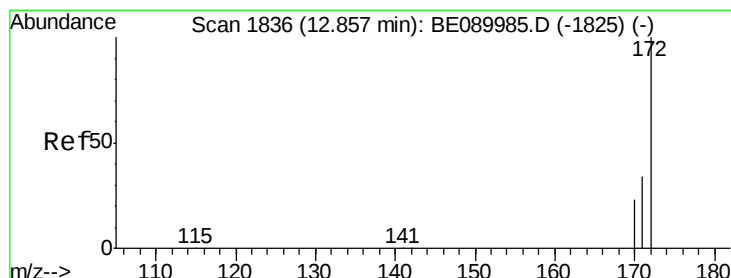
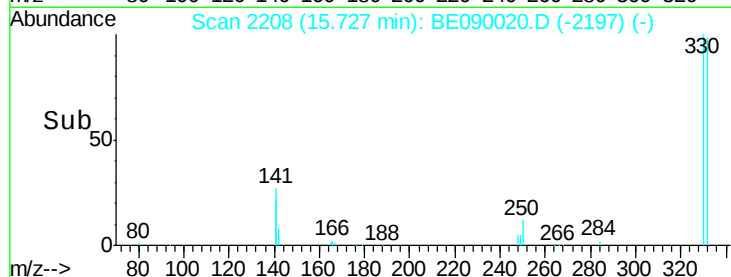
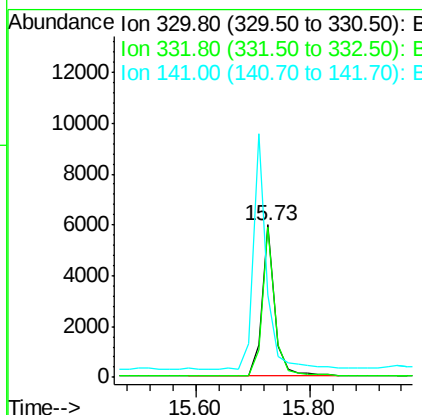
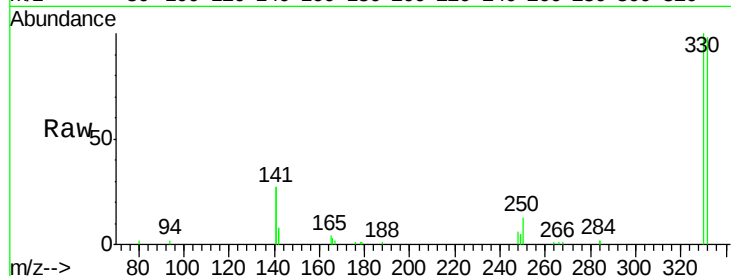




#13
 2,4,6-Tribromophenol
 Concen: 8.73 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE090020.D
 Acq: 30 Jun 2015 20:54

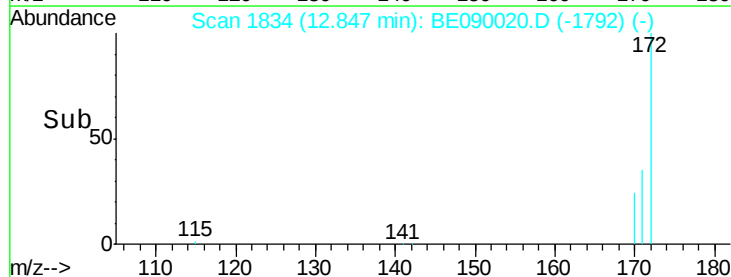
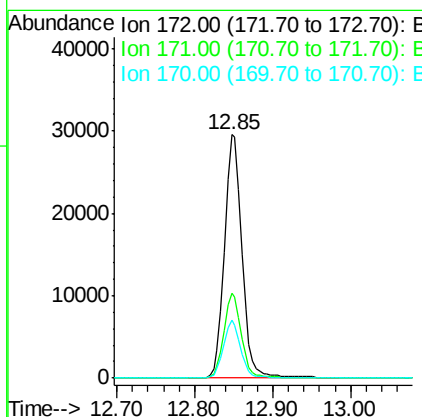
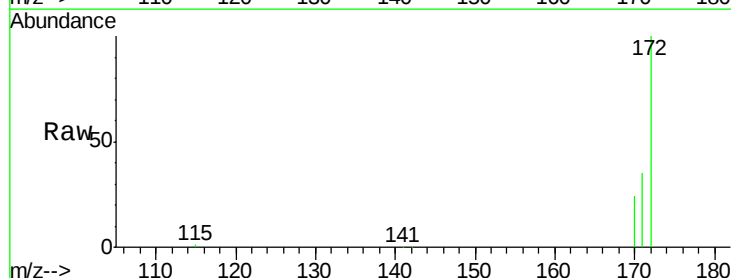
Instrument :
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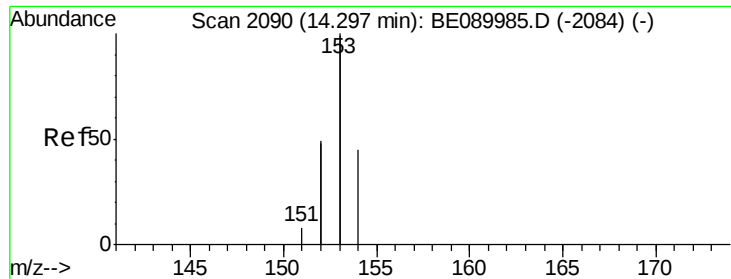
Tgt Ion: 330 Resp: 9396
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.4 114.6
 141 162.2 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 4.17 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090020.D
 Acq: 30 Jun 2015 20:54

Tgt Ion: 172 Resp: 46050
 Ion Ratio Lower Upper
 172 100
 171 35.1 27.8 41.6
 170 23.8 18.3 27.5





#16

Acenaphthene

Concen: 0.02 ng

RT: 14.29 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

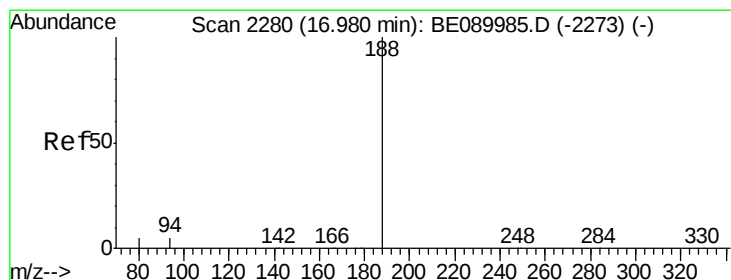
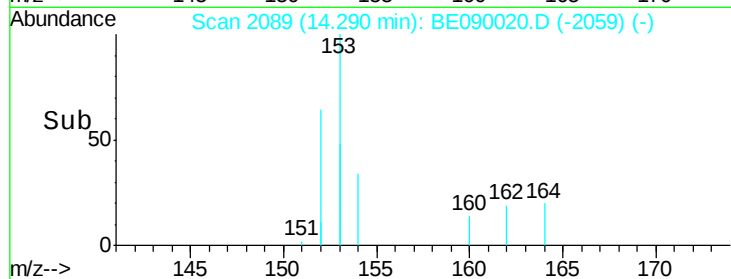
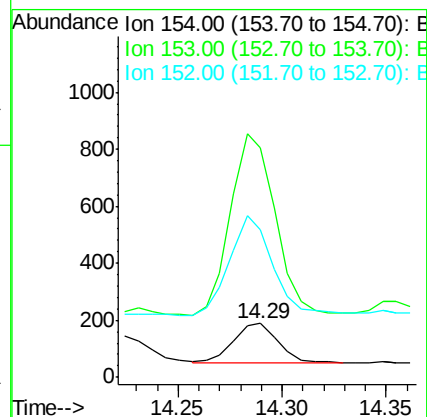
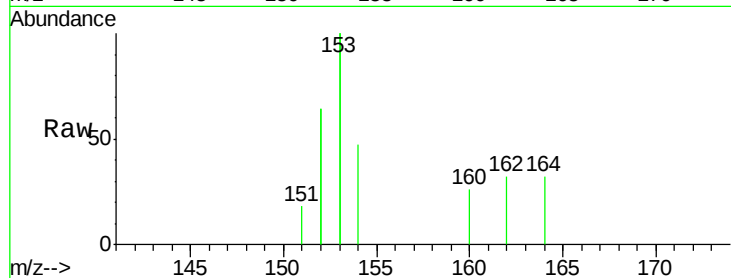
Tgt Ion:154 Resp: 210

Ion Ratio Lower Upper

154 100

153 473.3 358.6 538.0

152 240.5 189.6 284.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

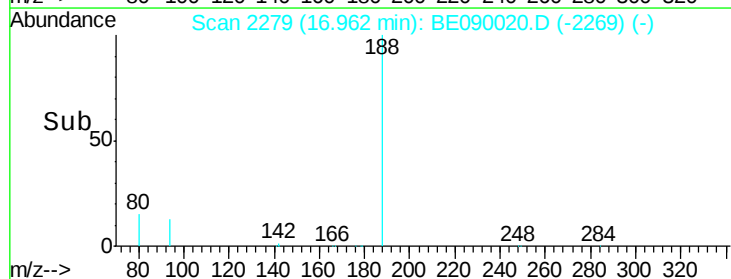
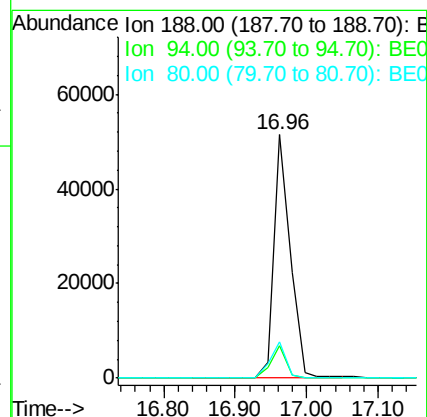
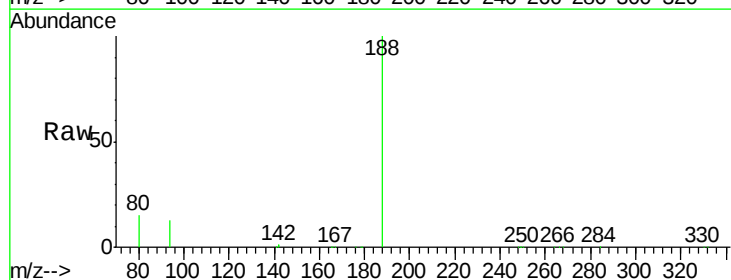
Tgt Ion:188 Resp: 82227

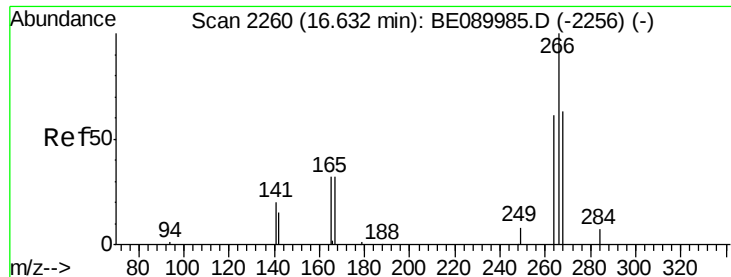
Ion Ratio Lower Upper

188 100

94 13.5 4.1 6.1#

80 14.9 4.2 6.2#





#21

Pentachlorophenol

Concen: 0.27 ng

RT: 16.63 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

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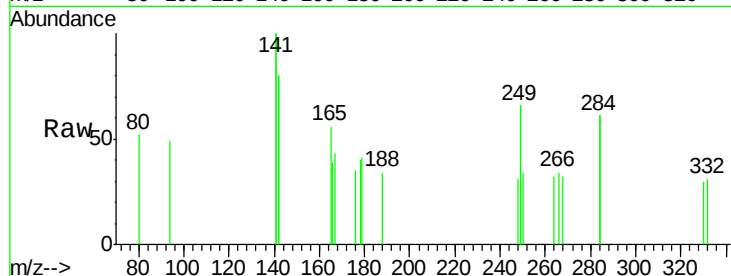
Tgt Ion:266 Resp: 28

Ion Ratio Lower Upper

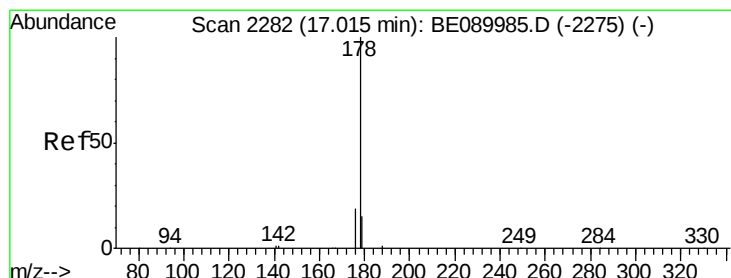
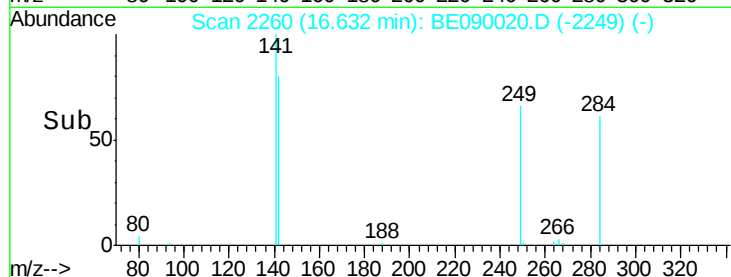
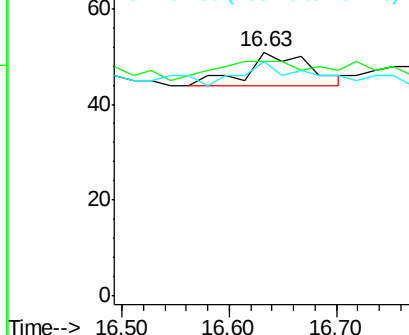
266 100

268 96.1 51.8 77.8#

264 96.1 50.2 75.2#



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: 0.32 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

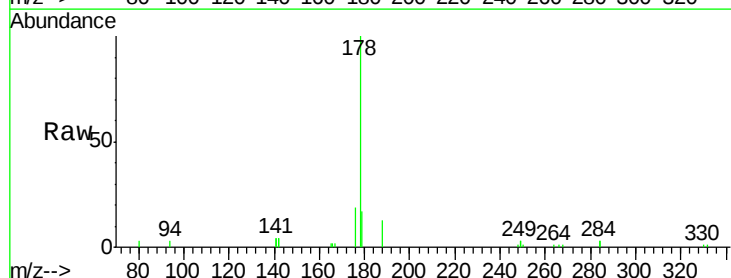
Tgt Ion:178 Resp: 6724

Ion Ratio Lower Upper

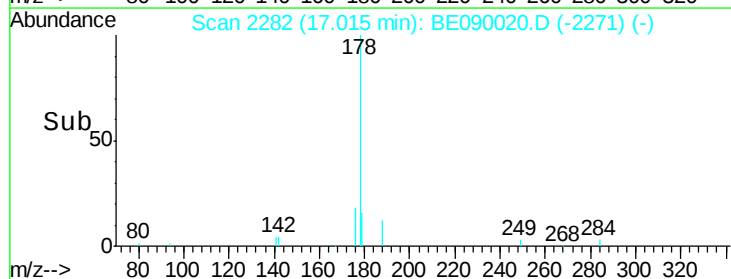
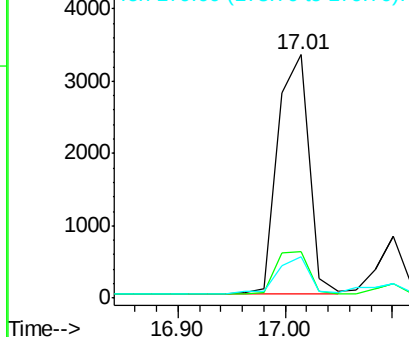
178 100

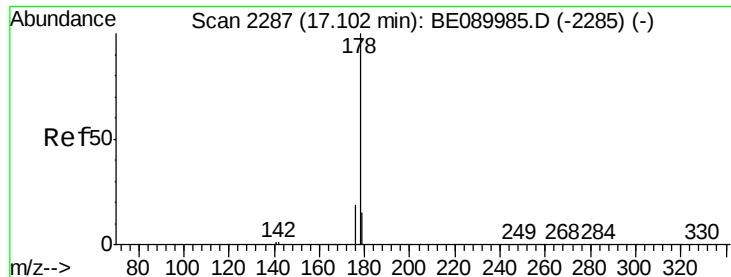
176 19.4 15.3 22.9

179 16.1 12.4 18.6



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: 0.35 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.09 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

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X1SB0660204-150626

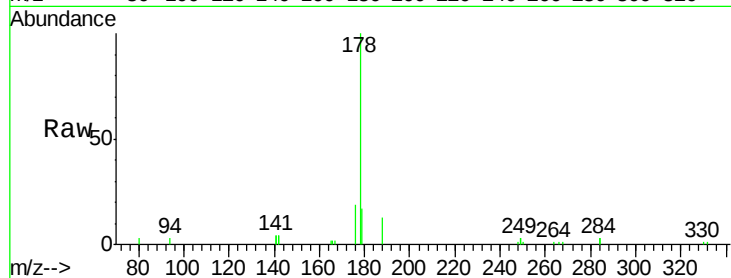
Tgt Ion:178 Resp: 6707

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

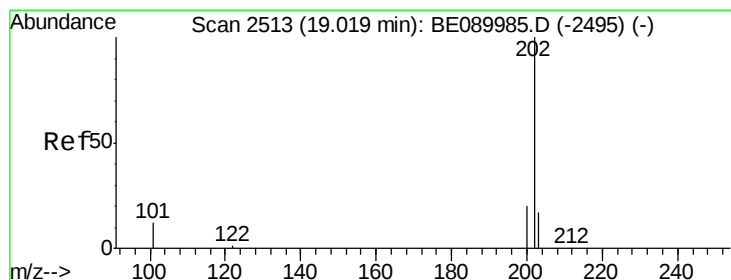
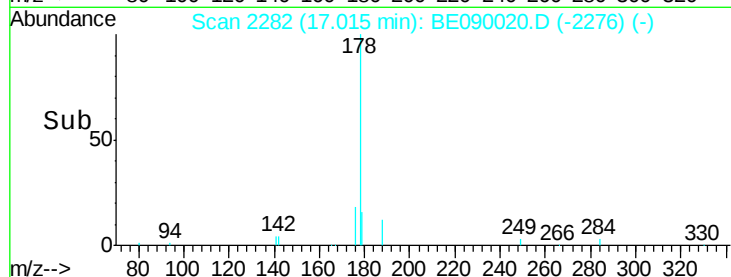
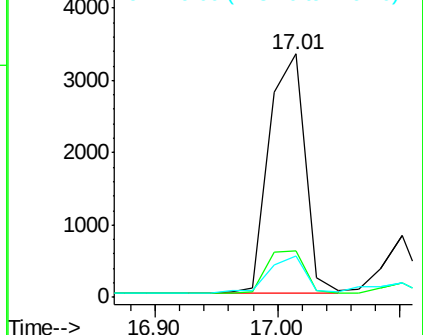
179 16.2 12.1 18.1



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: 0.92 ng

RT: 19.01 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

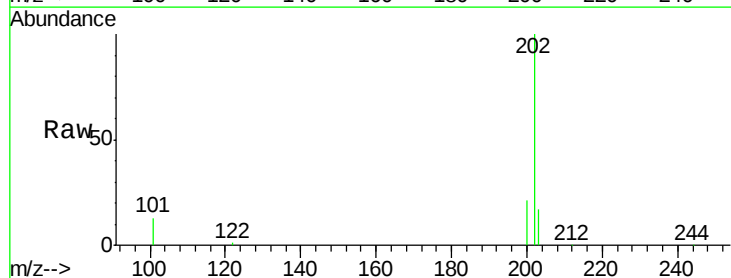
Tgt Ion:202 Resp: 21678

Ion Ratio Lower Upper

202 100

101 13.2 10.6 15.8

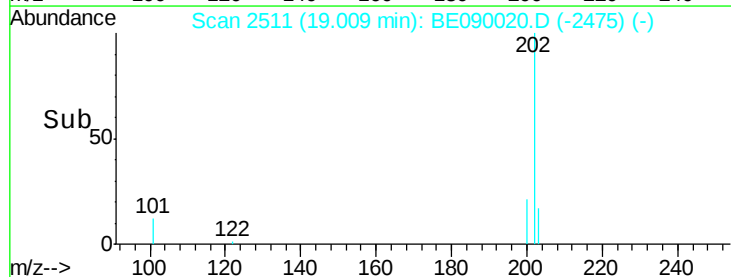
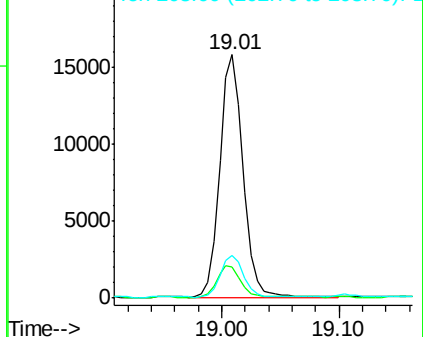
203 17.0 13.8 20.6

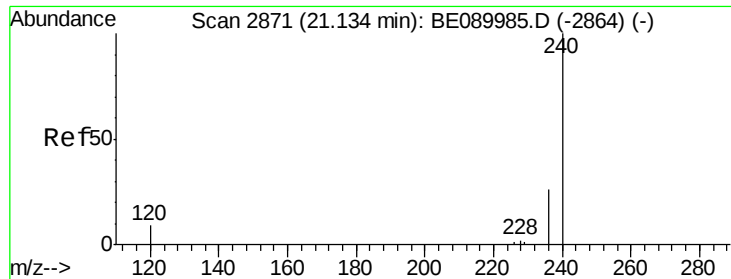


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

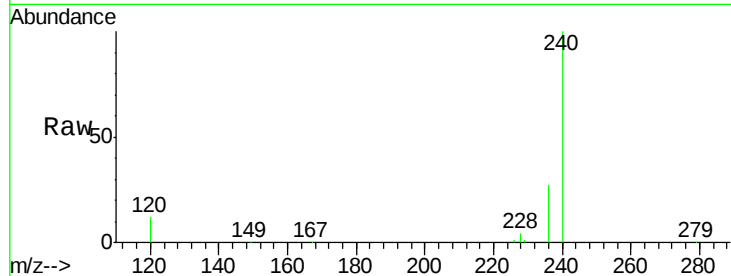
Tgt Ion:240 Resp: 103270

Ion Ratio Lower Upper

240 100

120 11.6 6.9 10.3#

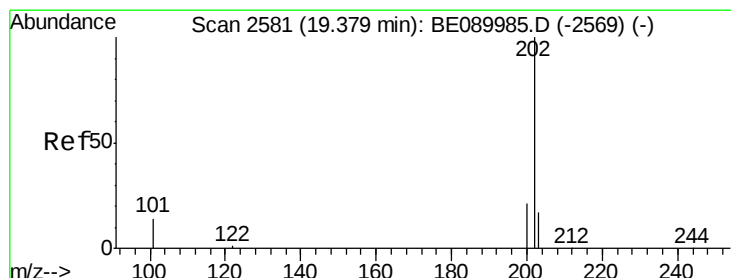
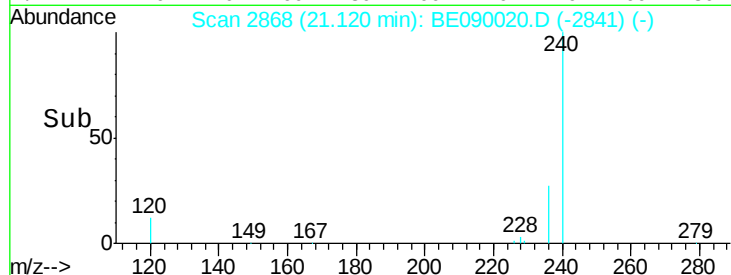
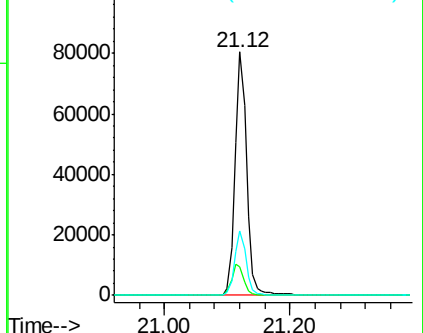
236 26.7 20.8 31.2



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: 0.83 ng

RT: 19.37 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

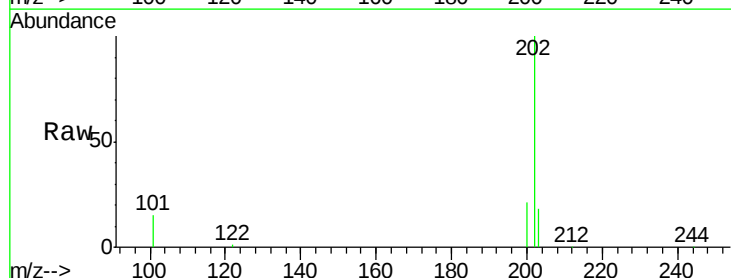
Tgt Ion:202 Resp: 20410

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

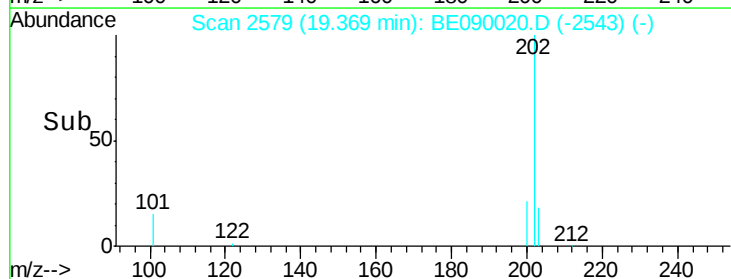
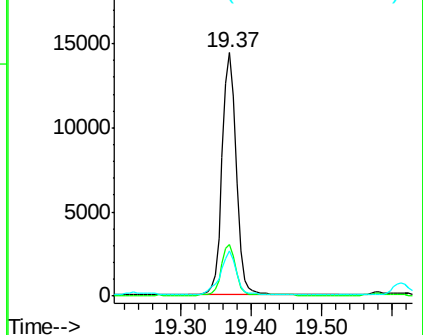
203 20.7 13.9 20.9

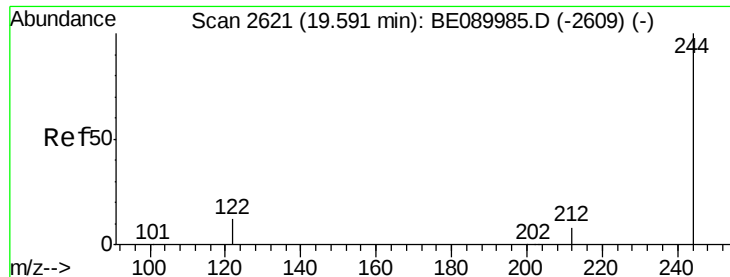


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

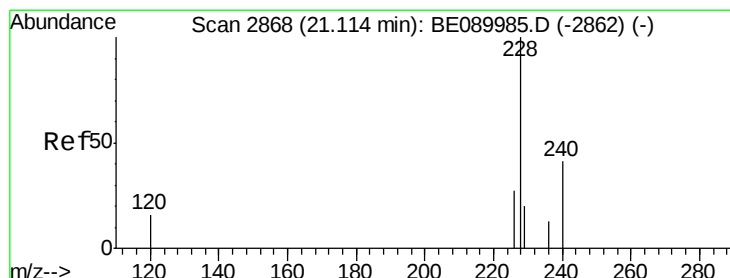
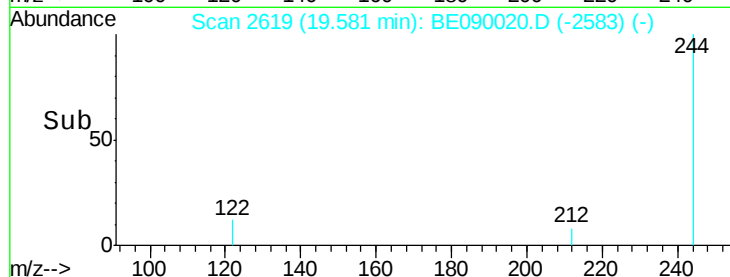
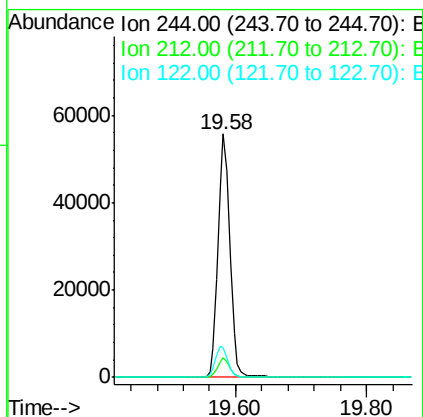
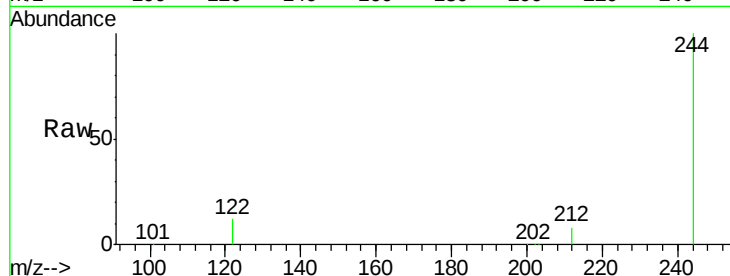




#27
 Terphenyl-d14
 Concen: 4.10 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BE090020.D
 Acq: 30 Jun 2015 20:54

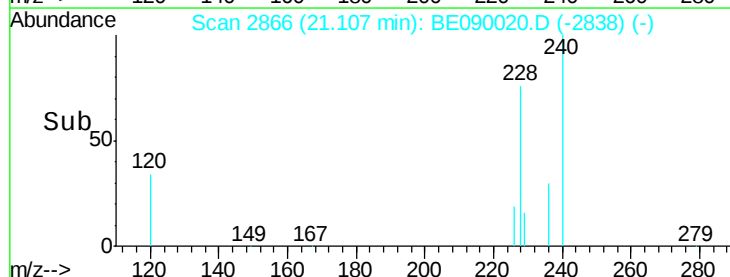
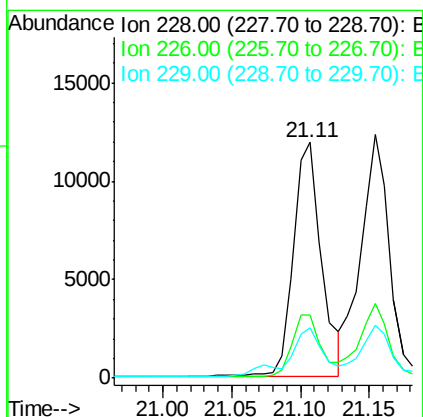
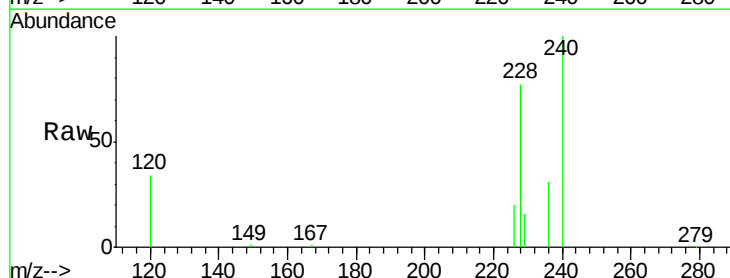
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0660204-150626

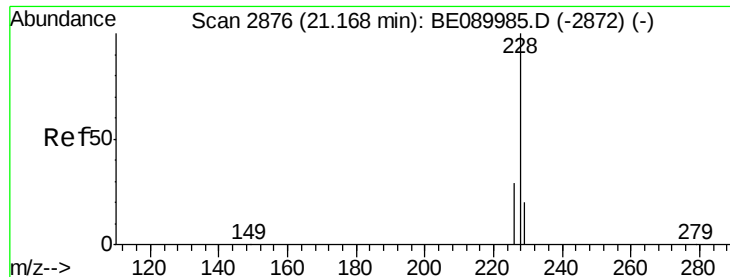
Tgt Ion: 244 Resp: 70550
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.5 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 0.65 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090020.D
 Acq: 30 Jun 2015 20:54

Tgt Ion: 228 Resp: 16876
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.8 32.6
 229 21.5 15.8 23.6





#29

Chrysene

Concen: 0.68 ng

RT: 21.15 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

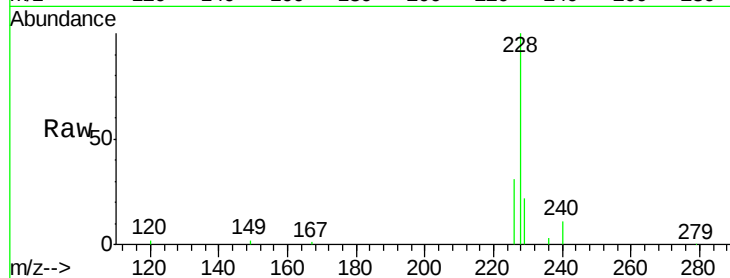
Tgt Ion:228 Resp: 18151

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

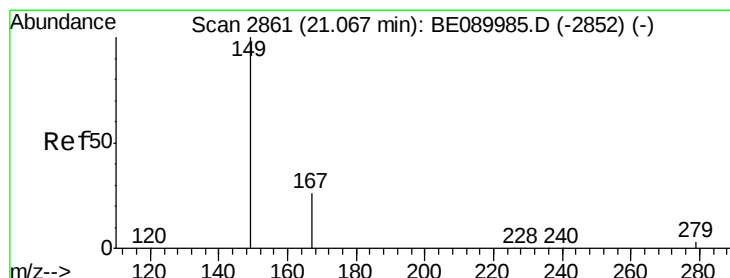
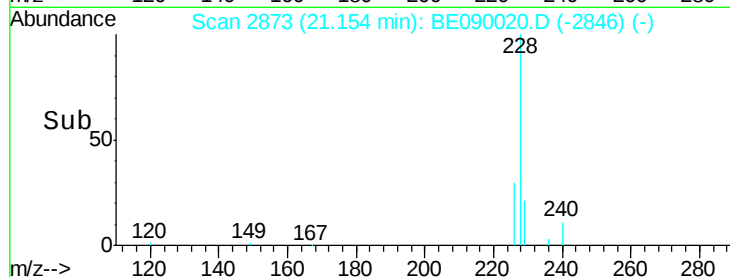
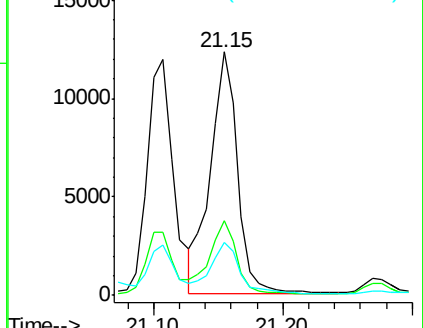
229 21.6 16.2 24.2



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: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

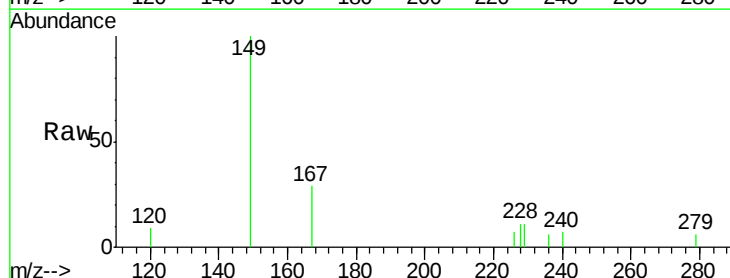
Tgt Ion:149 Resp: 1339

Ion Ratio Lower Upper

149 100

167 23.2 20.3 30.5

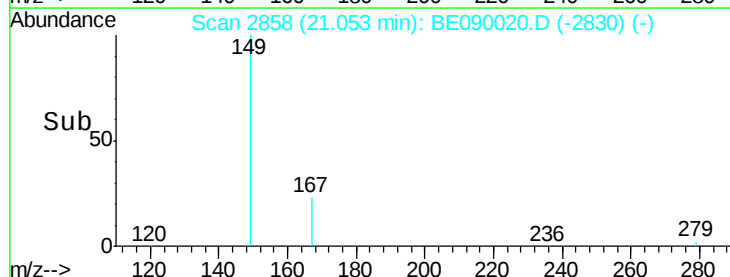
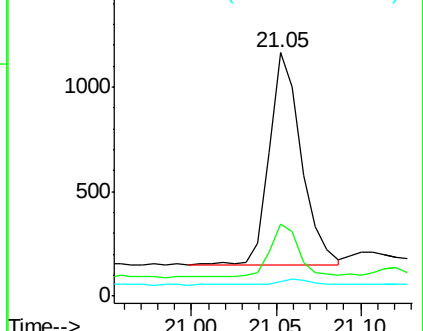
279 2.7 2.6 3.8

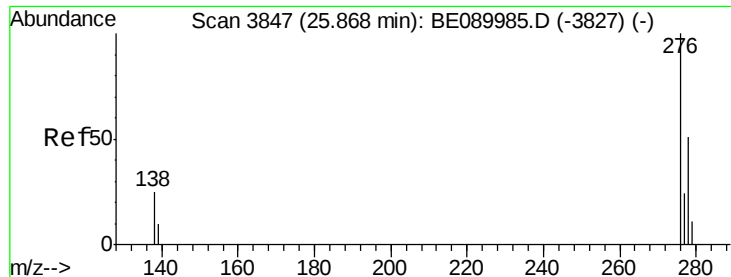


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.47 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

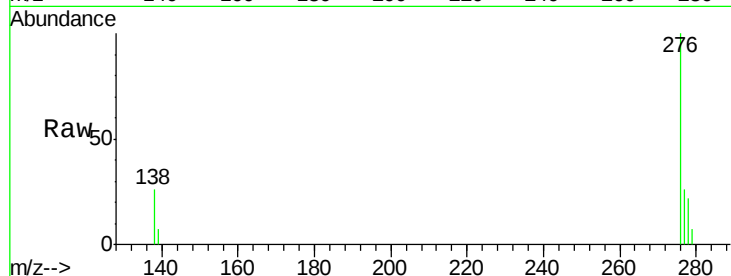
Tgt Ion:276 Resp: 12100

Ion Ratio Lower Upper

276 100

138 25.2 21.3 31.9

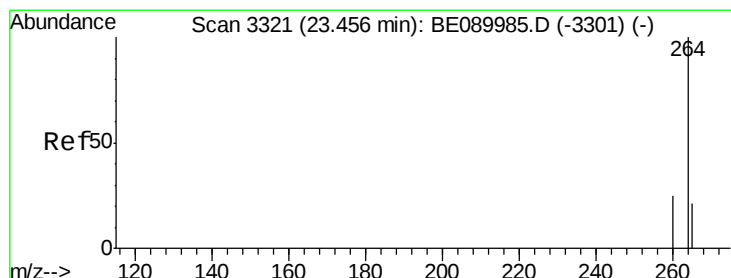
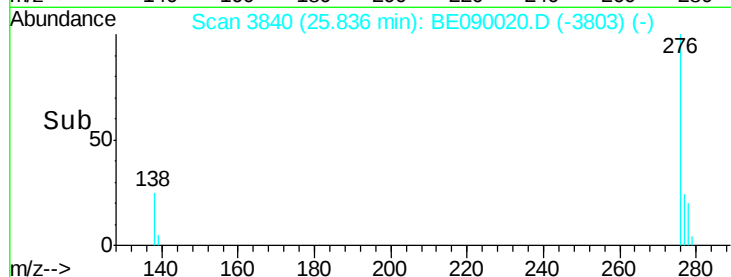
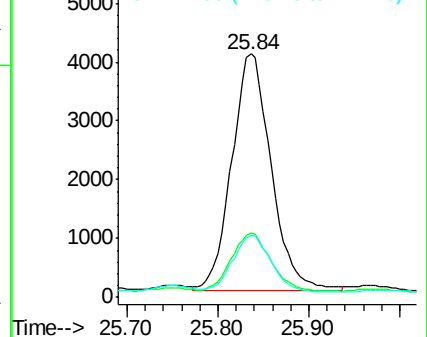
277 23.8 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3317

Delta R.T. -0.02 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

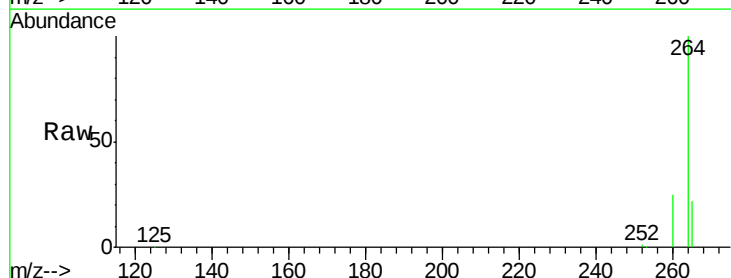
Tgt Ion:264 Resp: 102487

Ion Ratio Lower Upper

264 100

260 25.0 20.2 30.2

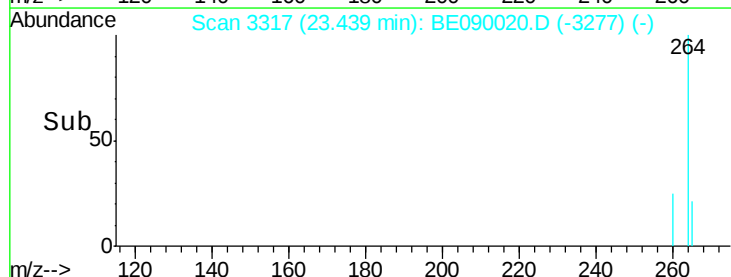
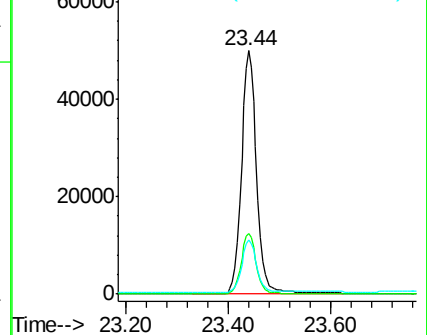
265 22.2 17.1 25.7

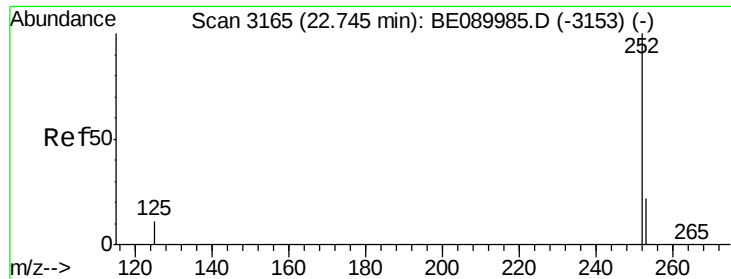


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 1.12 ng

RT: 22.73 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

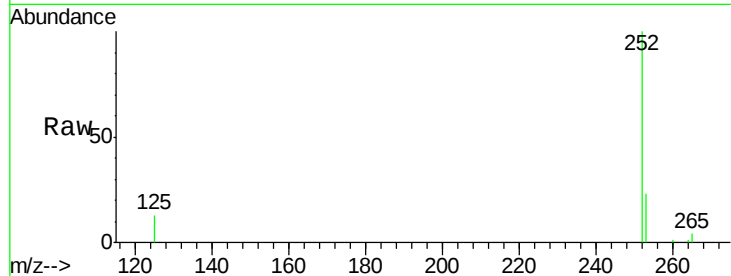
Instrument :

BNA_E

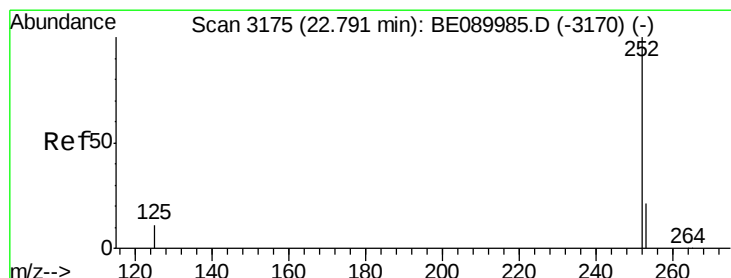
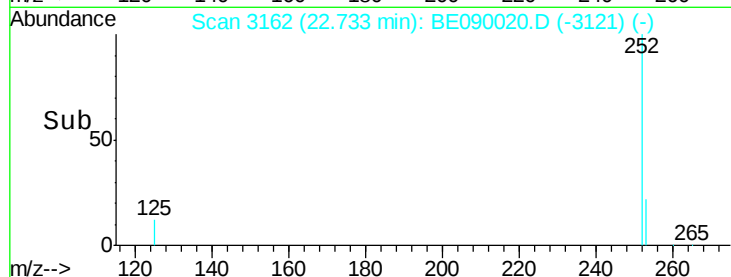
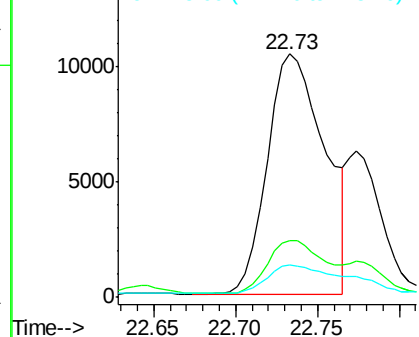
ClientSampleId :

X1SB0660204-150626

Tgt Ion:	252	Resp:	25399
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.3	9.0	13.4



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: 1.01 ng

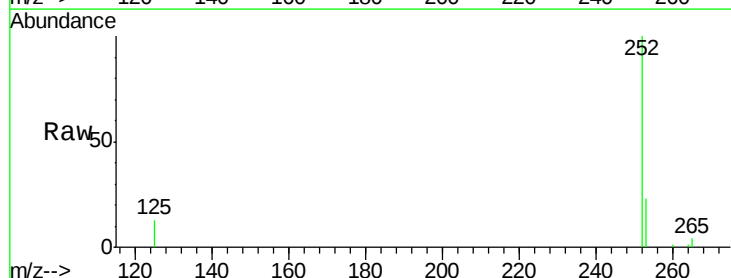
RT: 22.73 min Scan# 3162

Delta R.T. -0.06 min

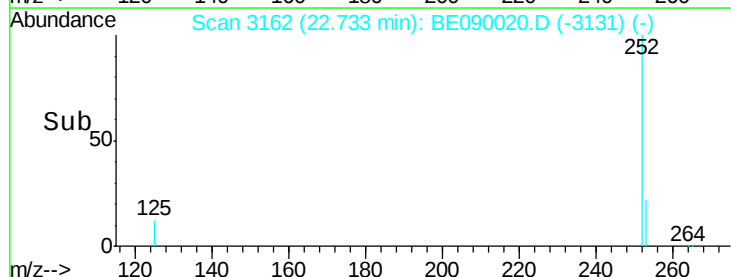
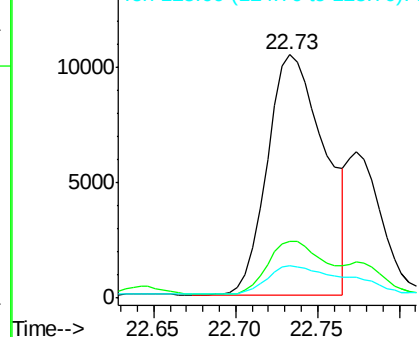
Lab File: BE090020.D

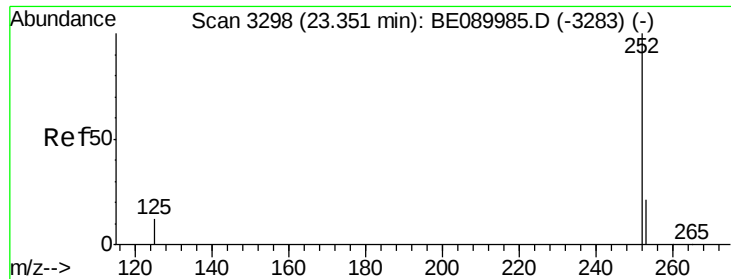
Acq: 30 Jun 2015 20:54

Tgt Ion:	252	Resp:	25399
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.3	9.5	14.3



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: 0.81 ng

RT: 23.33 min Scan# 3294

Delta R.T. -0.02 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626

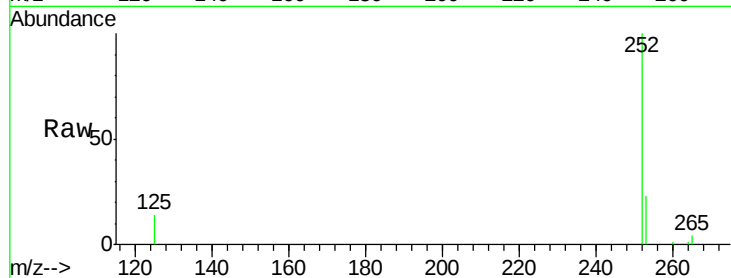
Tgt Ion:252 Resp: 17011

Ion Ratio Lower Upper

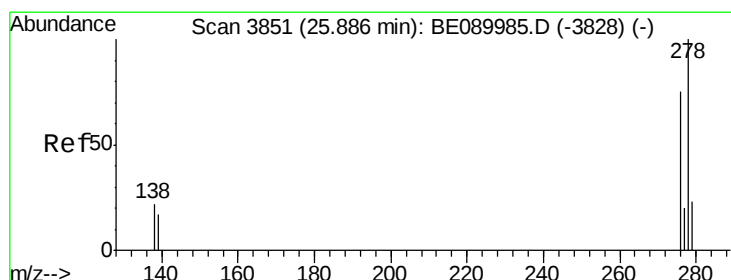
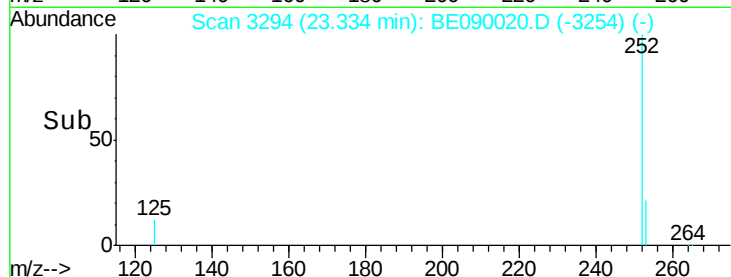
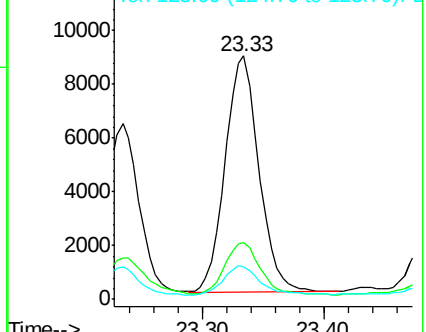
252 100

253 23.5 17.4 26.2

125 13.6 10.5 15.7



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



#36

Dibenzo(a,h)anthracene

Concen: 0.16 ng

RT: 25.86 min Scan# 3845

Delta R.T. -0.03 min

Lab File: BE090020.D

Acq: 30 Jun 2015 20:54

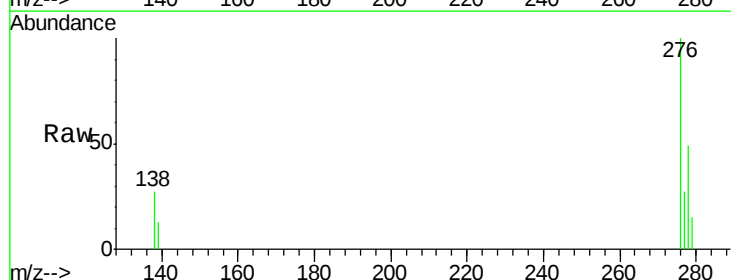
Tgt Ion:278 Resp: 3349

Ion Ratio Lower Upper

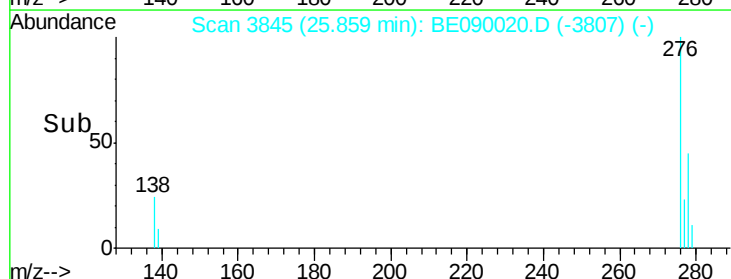
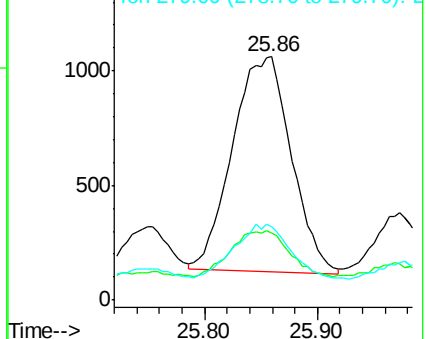
278 100

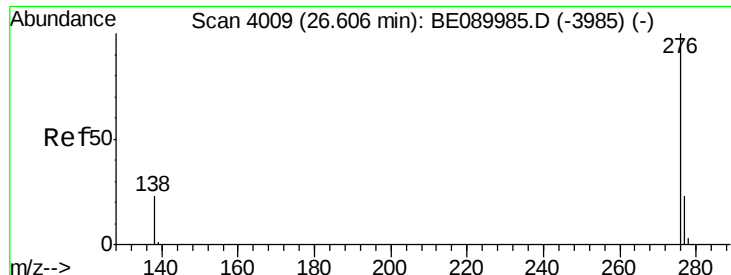
139 27.7 14.4 21.6#

279 30.3 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.55 ng

RT: 26.57 min Scan# 4002

Delta R.T. -0.03 min

Lab File: BE090020.D

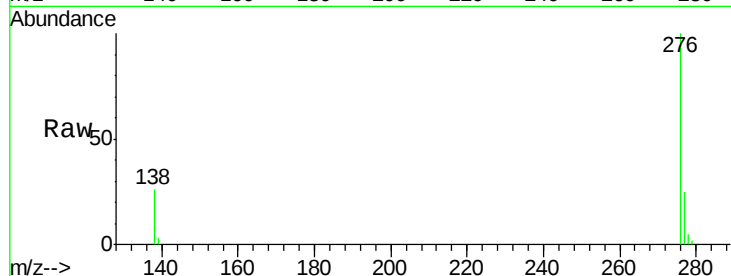
Acq: 30 Jun 2015 20:54

Instrument :

BNA_E

ClientSampleId :

X1SB0660204-150626



Tgt Ion: 276 Resp: 12038

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 26.3 18.6 27.8

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

