

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090016.D
 Acq On : 30 Jun 2015 18:31
 Operator : TP/IZ
 Sample : G2824-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

Quant Time: Jul 01 05:35:26 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	13566	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	58809	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	33048	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	74554	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	92231	5.00	ng	-0.01
32) Perylene-d12	23.44	264	92376	5.00	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	22452	7.20	ng	0.00
5) Phenol-d6	6.80	99	33985	7.79	ng	0.00
7) Nitrobenzene-d5	8.75	82	20329	4.35	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9157	9.46	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	43574	4.39	ng	0.00
27) Terphenyl-d14	19.58	244	70668	4.60	ng	0.00

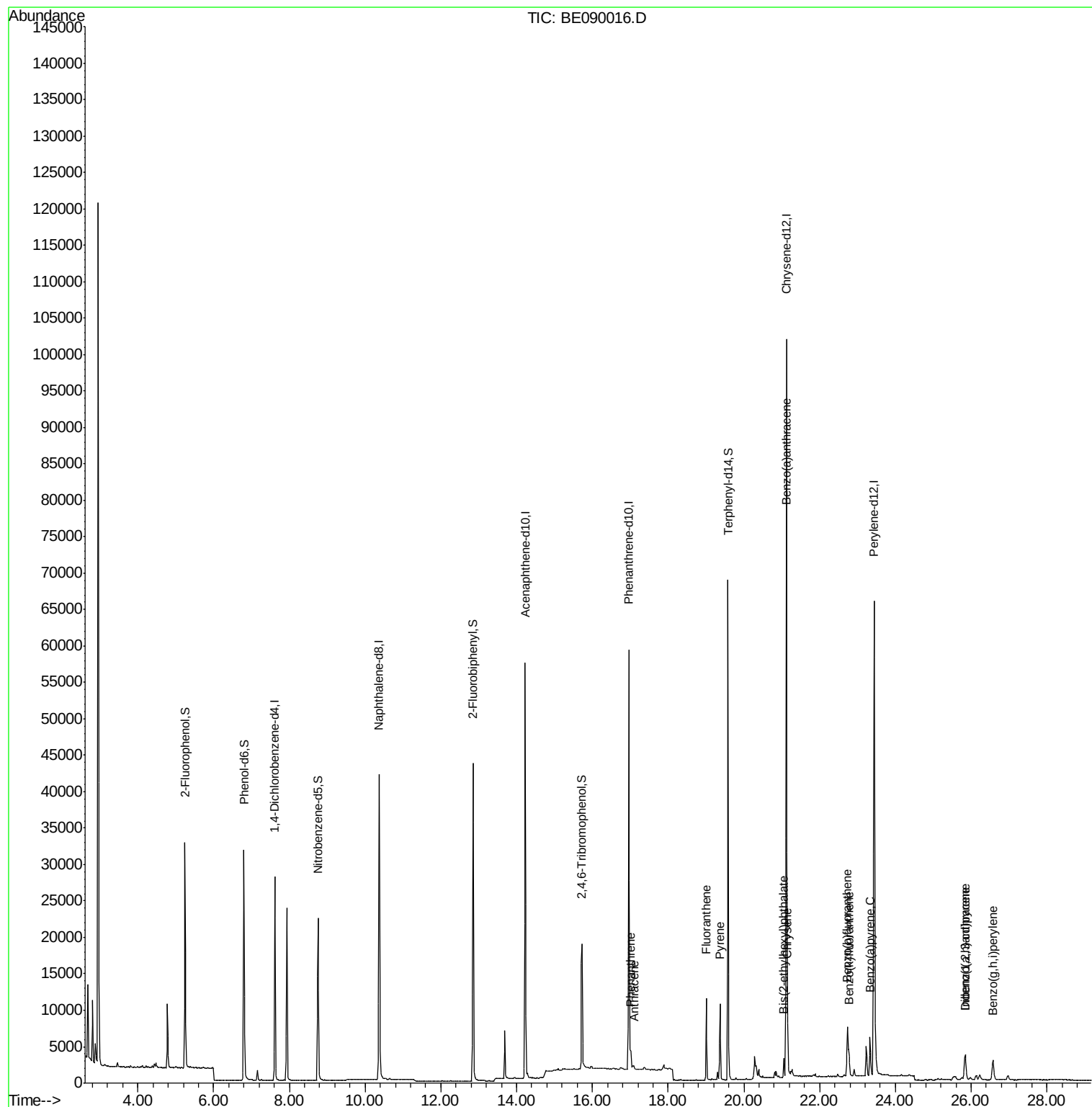
Target Compounds						Qvalue
22) Phenanthrene	17.01	178	2900	0.15	ng	97
23) Anthracene	17.10	178	565m	0.03	ng	
24) Fluoranthene	19.01	202	9891	0.46	ng	99
26) Pyrene	19.37	202	9588	0.44	ng	96
28) Benzo(a)anthracene	21.11	228	7601	0.33	ng	98
29) Chrysene	21.16	228	8095	0.34	ng	97
30) Bis(2-ethylhexyl)phthalate	21.05	149	2207	0.50	ng	100
31) Indeno(1,2,3-cd)pyrene	25.84	276	5841	0.25	ng	98
33) Benzo(b)fluoranthene	22.74	252	11638	0.57	ng	# 94
34) Benzo(k)fluoranthene	22.78	252	4414m	0.19	ng	
35) Benzo(a)pyrene	23.33	252	7559	0.40	ng	# 93
36) Dibenzo(a,h)anthracene	25.85	278	1744	0.09	ng	# 71
37) Benzo(g,h,i)perylene	26.57	276	6092	0.31	ng	93

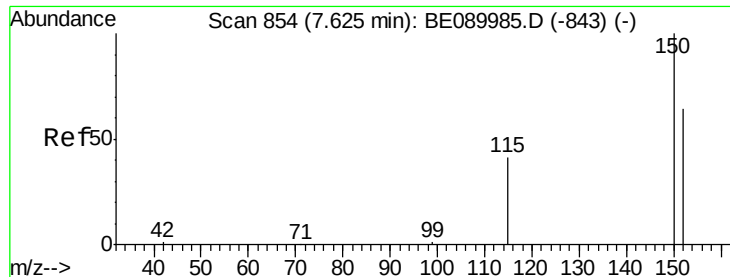
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 853

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

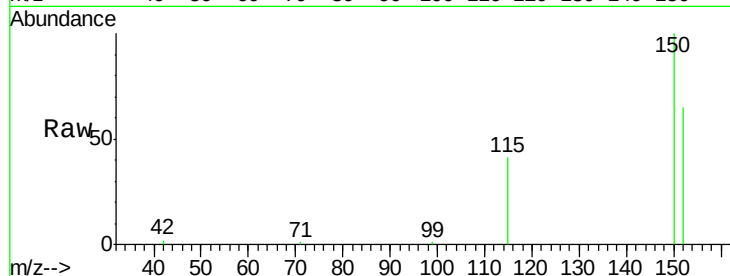
Tgt Ion:152 Resp: 13566

Ion Ratio Lower Upper

152 100

150 153.1 123.9 185.9

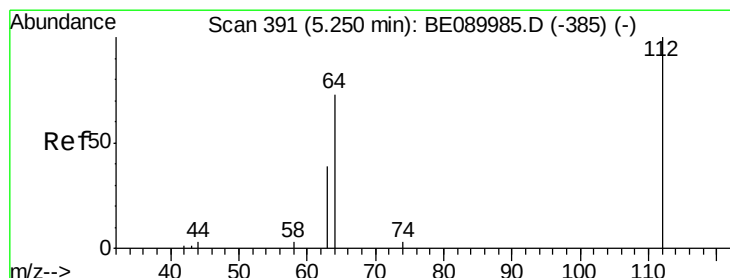
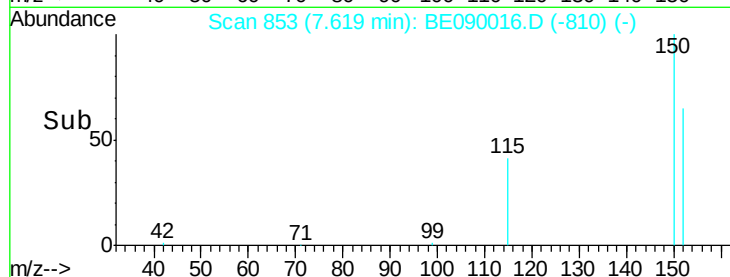
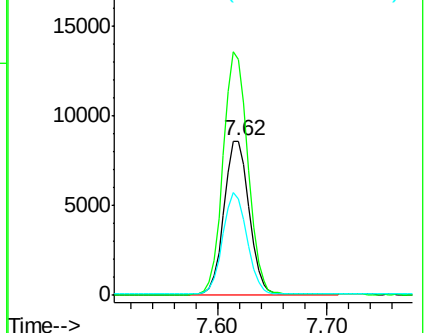
115 62.7 50.6 76.0



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



#4

2-Fluorophenol

Concen: 7.20 ng

RT: 5.25 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

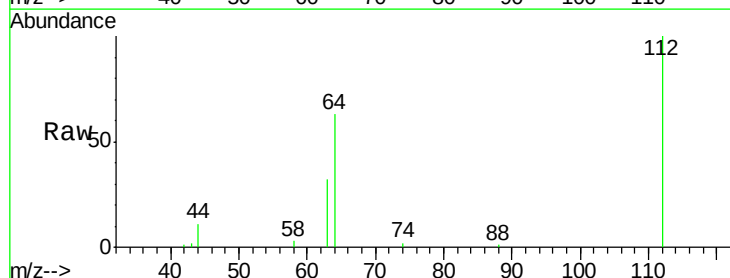
Tgt Ion:112 Resp: 22452

Ion Ratio Lower Upper

112 100

64 70.5 56.3 84.5

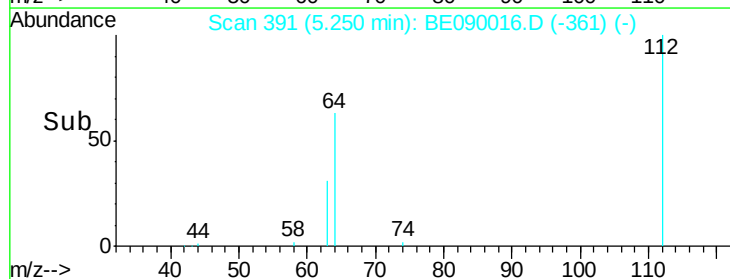
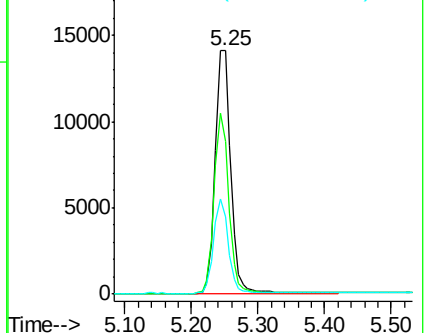
63 36.6 29.8 44.6

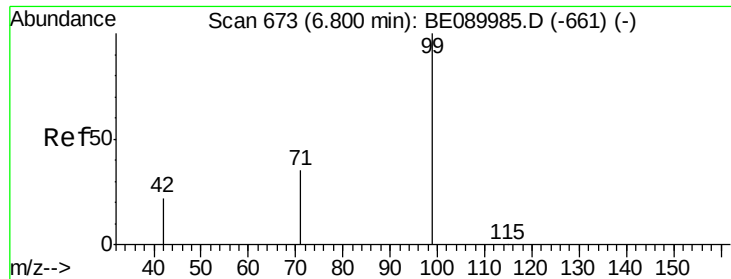


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.79 ng

RT: 6.80 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

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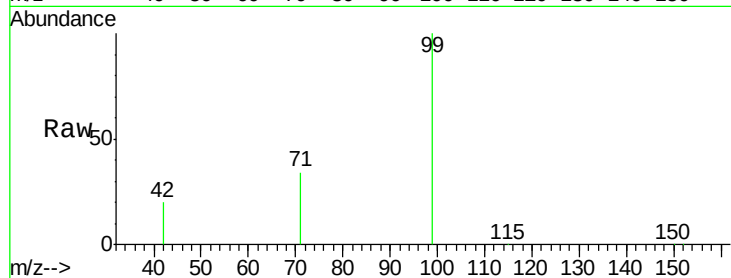
Tgt Ion: 99 Resp: 33985

Ion Ratio Lower Upper

99 100

42 20.3 18.7 28.1

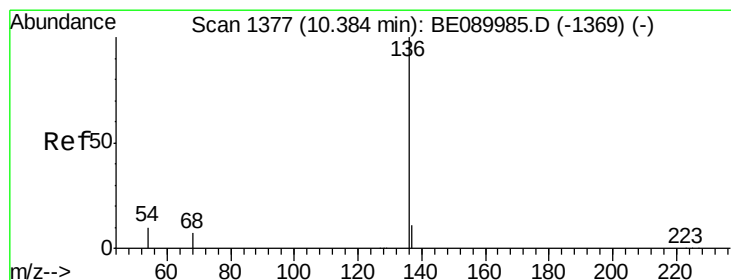
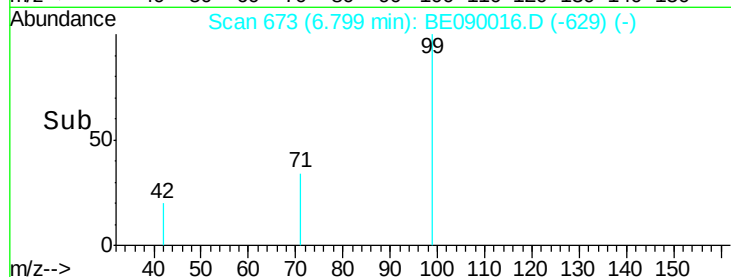
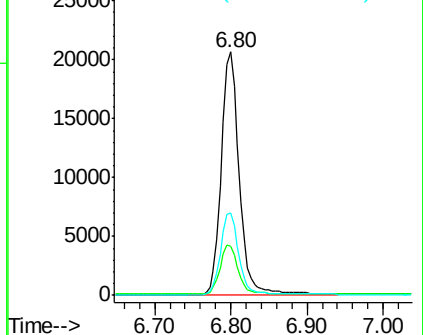
71 33.9 27.5 41.3



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: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Tgt Ion: 136 Resp: 58809

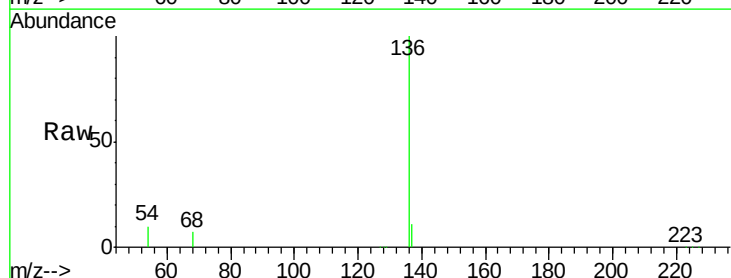
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.0 8.2 12.4

68 7.4 5.8 8.8

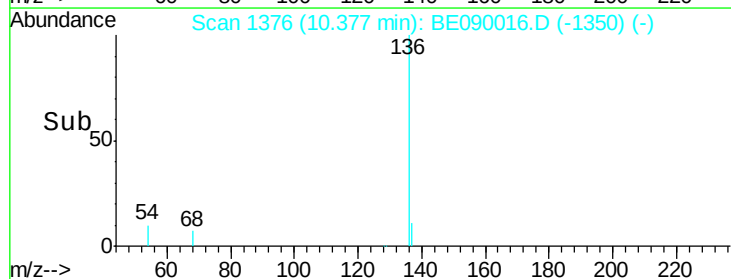
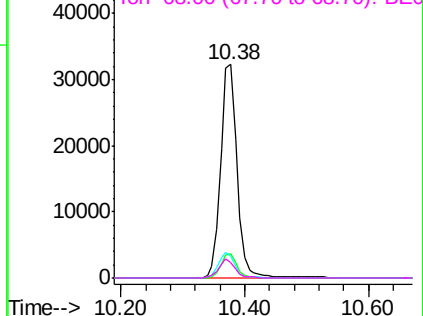


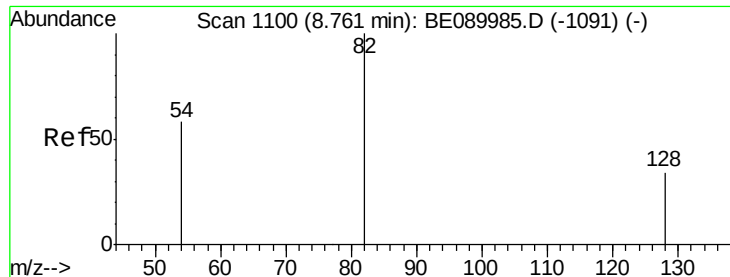
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.35 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

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X1SS0650624-150626

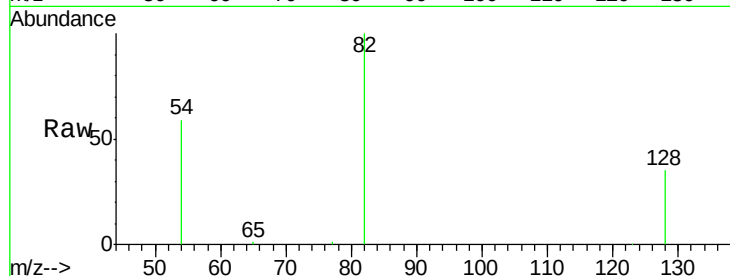
Tgt Ion: 82 Resp: 20329

Ion Ratio Lower Upper

82 100

128 35.1 28.0 42.0

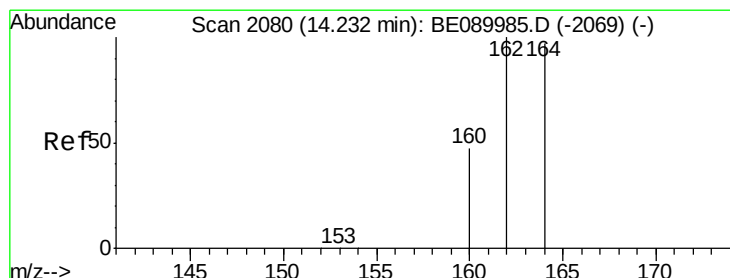
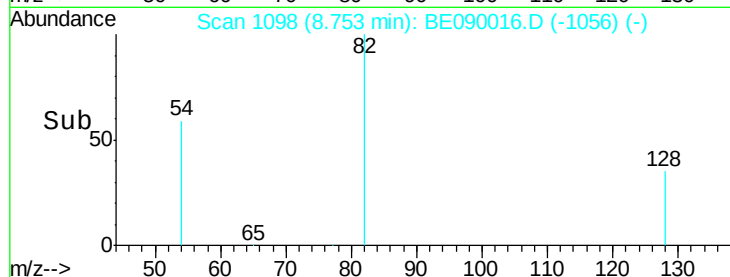
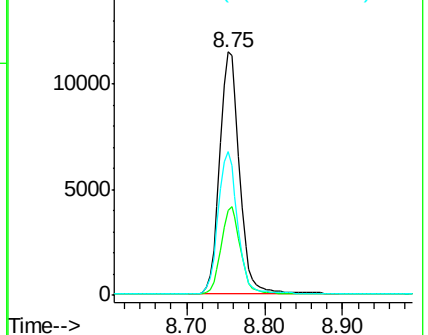
54 59.2 47.6 71.4



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: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

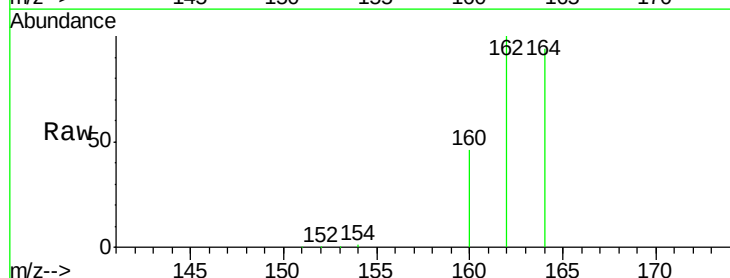
Tgt Ion: 164 Resp: 33048

Ion Ratio Lower Upper

164 100

162 106.3 82.2 123.4

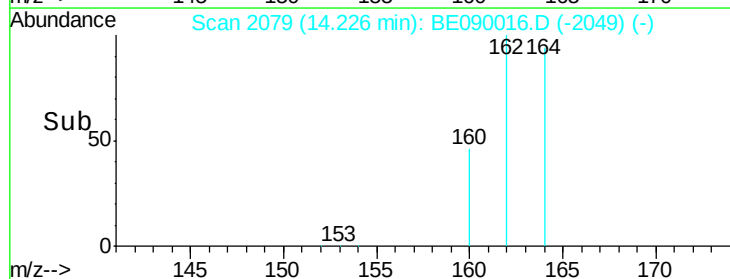
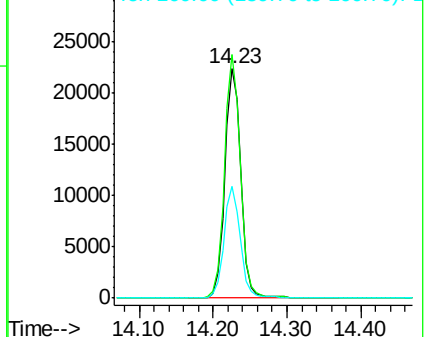
160 49.0 39.0 58.6

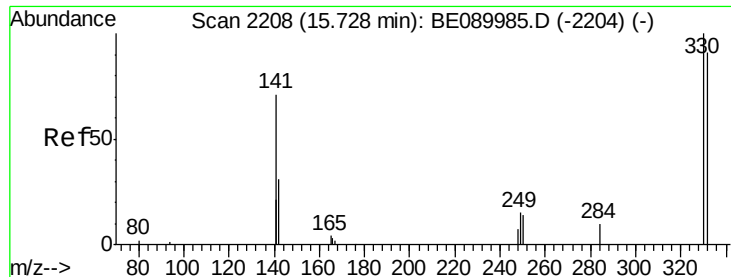


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

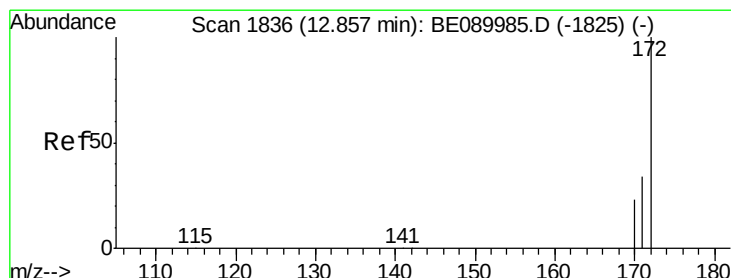
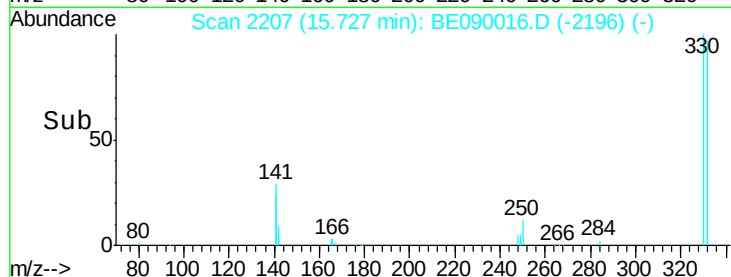
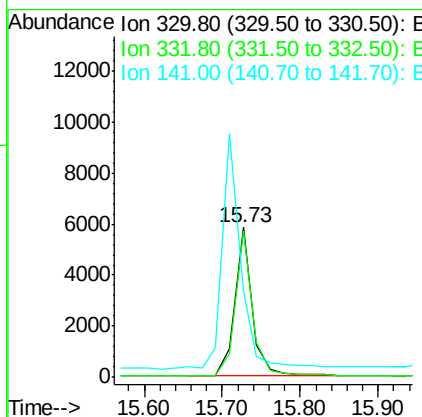
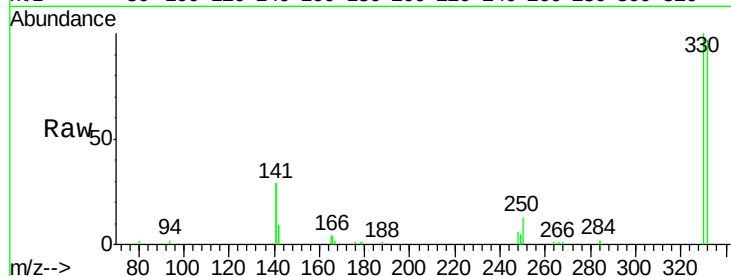




#13
 2,4,6-Tribromophenol
 Concen: 9.46 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

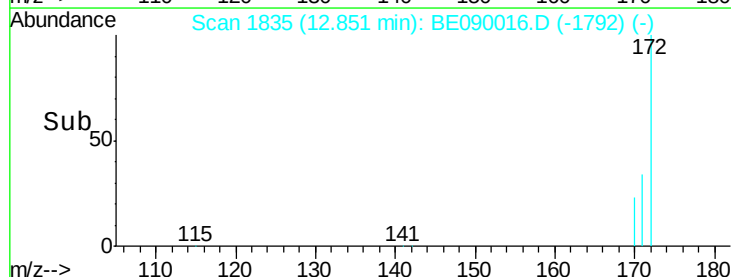
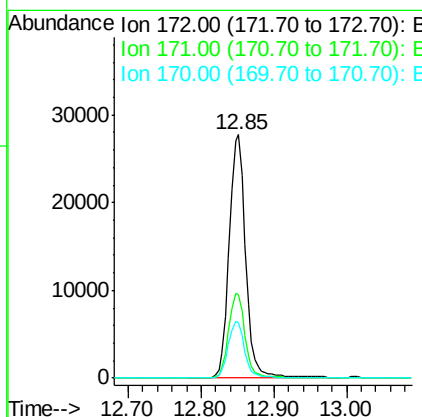
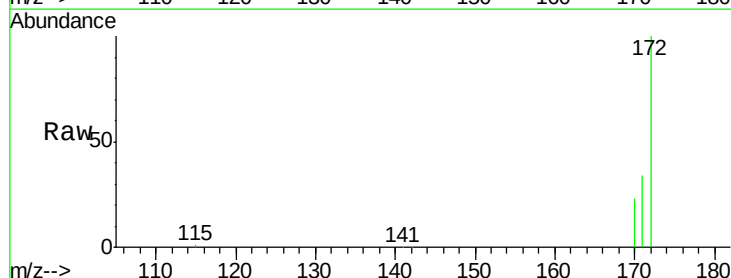
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

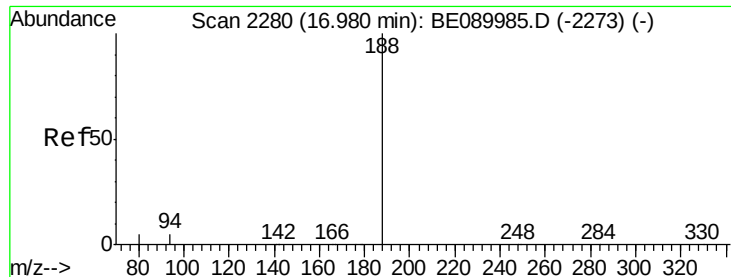
Tgt Ion: 330 Resp: 9157
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.4 114.6
 141 165.5 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 4.39 ng
 RT: 12.85 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

Tgt Ion: 172 Resp: 43574
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.8 41.6
 170 22.8 18.3 27.5

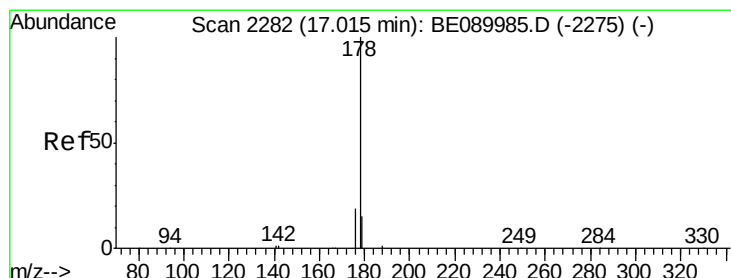
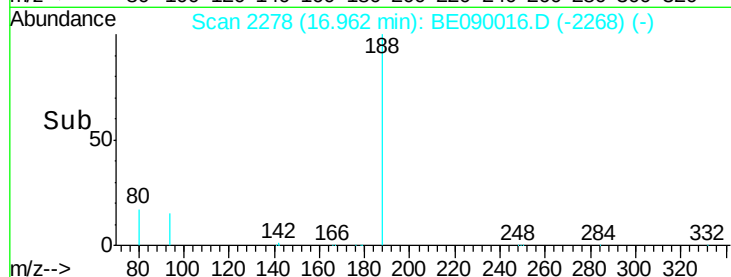
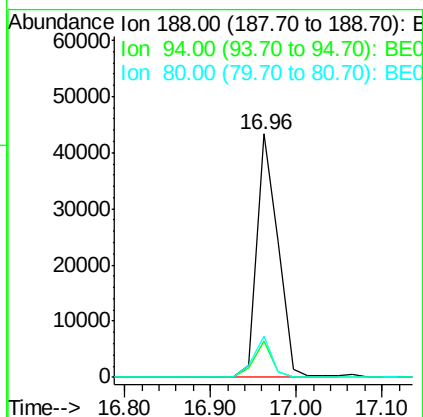
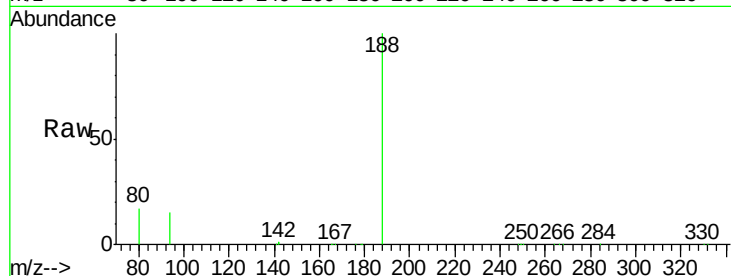




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

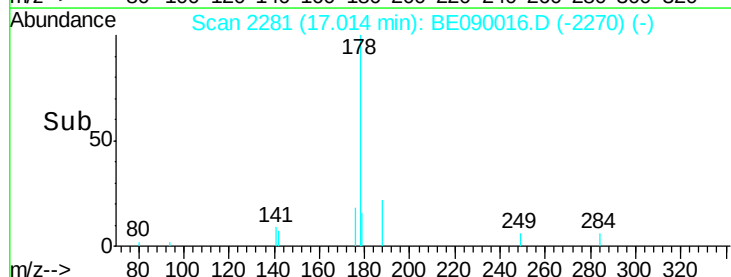
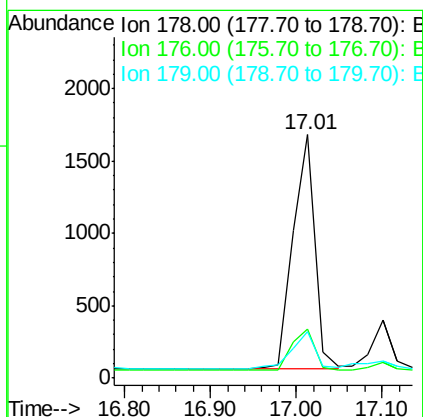
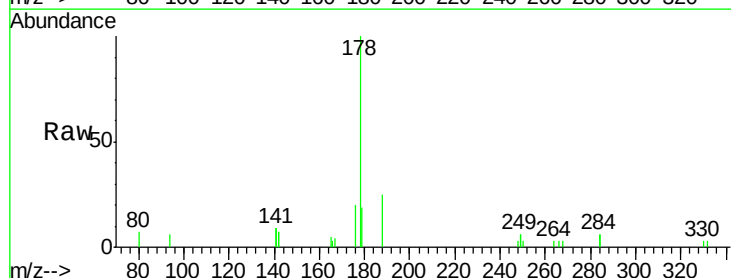
Instrument :
BNA_E
ClientSampleId :
X1SS0650624-150626

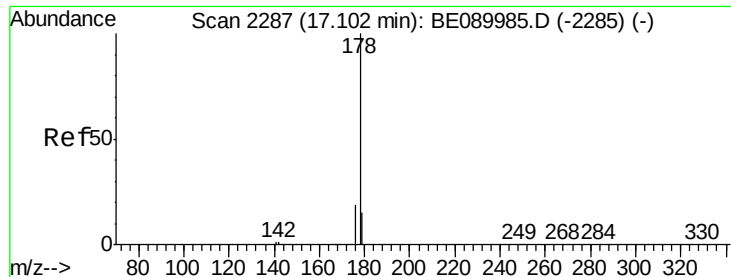
Tgt Ion:188 Resp: 74554
Ion Ratio Lower Upper
188 100
94 15.1 4.1 6.1#
80 17.0 4.2 6.2#



#22
Phenanthrene
Concen: 0.15 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

Tgt Ion:178 Resp: 2900
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 17.8 12.4 18.6





#23

Anthracene

Concen: 0.03 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

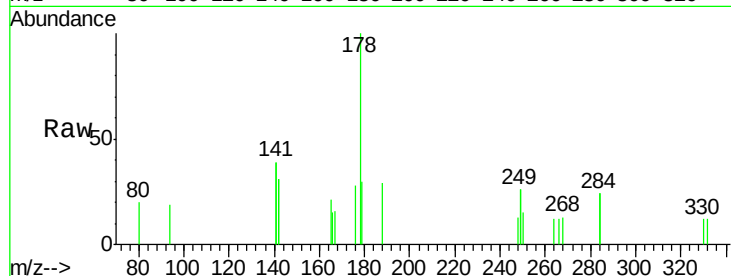
Tgt Ion:178 Resp: 565

Ion Ratio Lower Upper

178 100

176 96.5 14.7 22.1#

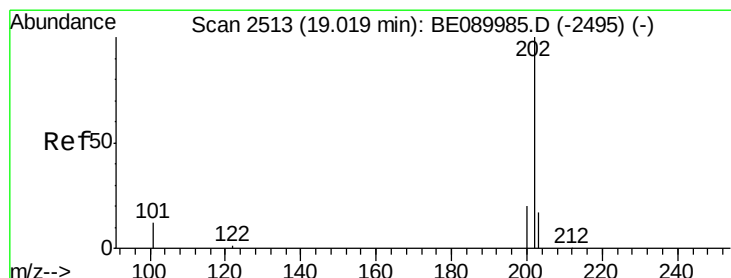
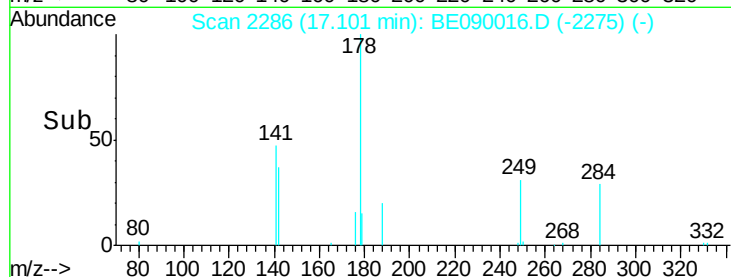
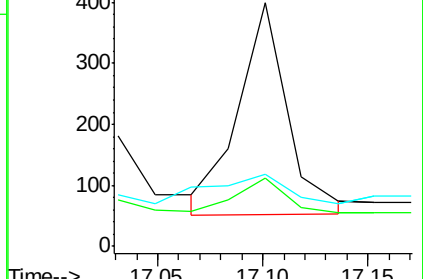
179 83.7 12.1 18.1#



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: 0.46 ng

RT: 19.01 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

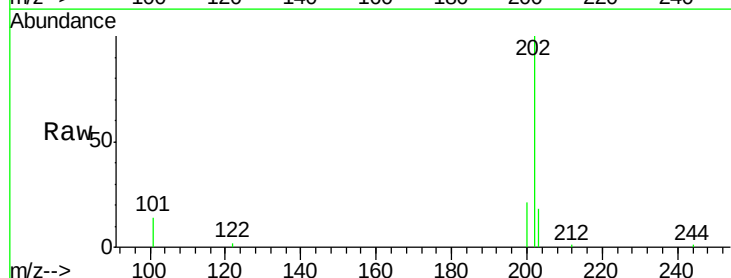
Tgt Ion:202 Resp: 9891

Ion Ratio Lower Upper

202 100

101 13.9 10.6 15.8

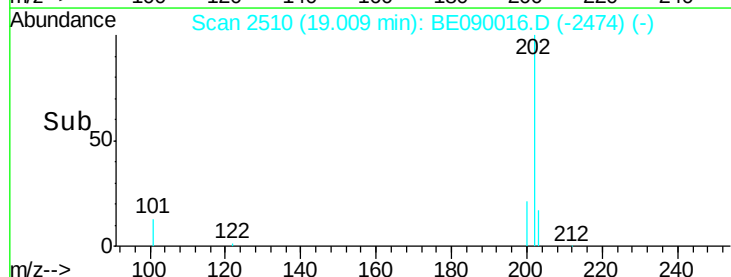
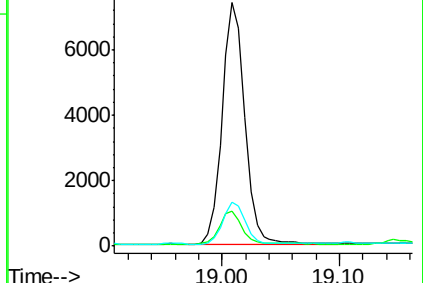
203 17.1 13.8 20.6

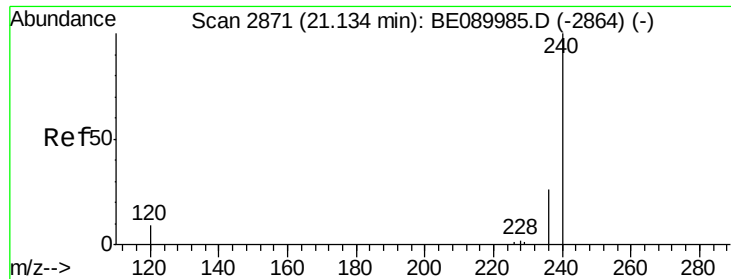


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE090016.D

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X1SS0650624-150626

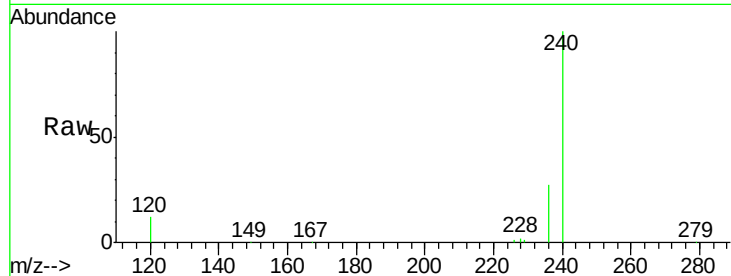
Tgt Ion:240 Resp: 92231

Ion Ratio Lower Upper

240 100

120 11.7 6.9 10.3#

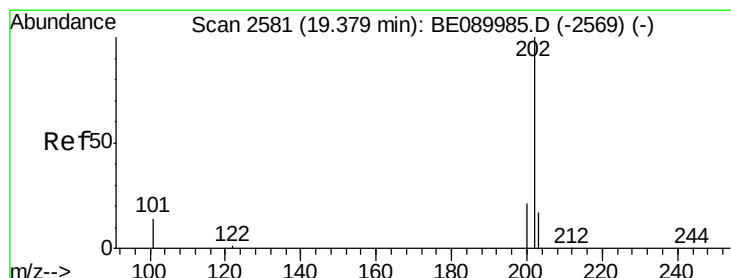
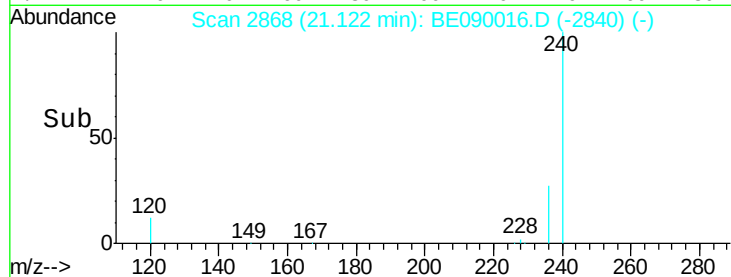
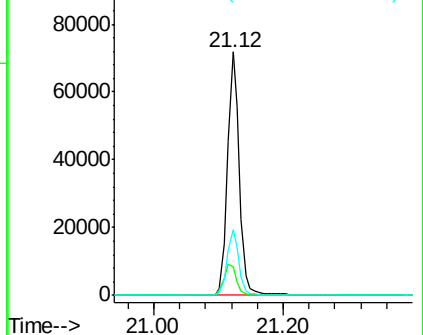
236 26.9 20.8 31.2



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: 0.44 ng

RT: 19.37 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

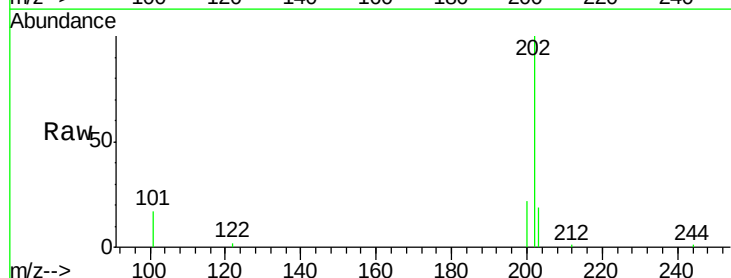
Tgt Ion:202 Resp: 9588

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

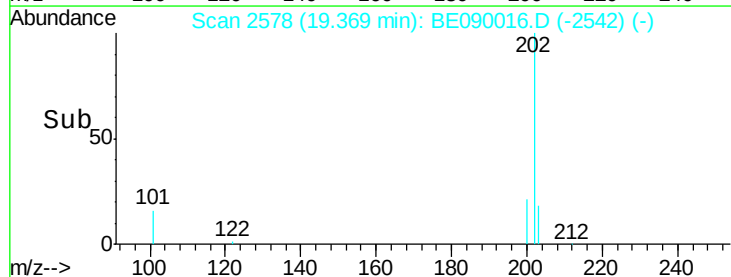
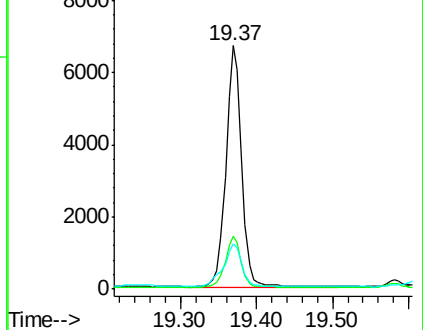
203 20.8 13.9 20.9

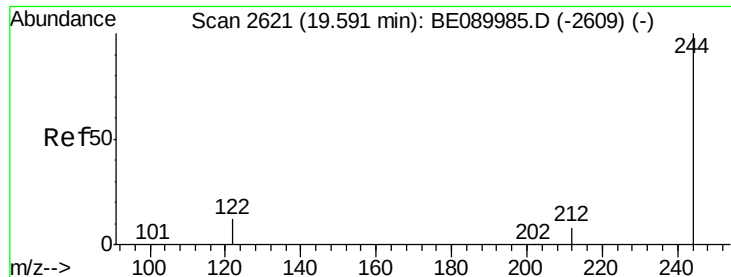


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

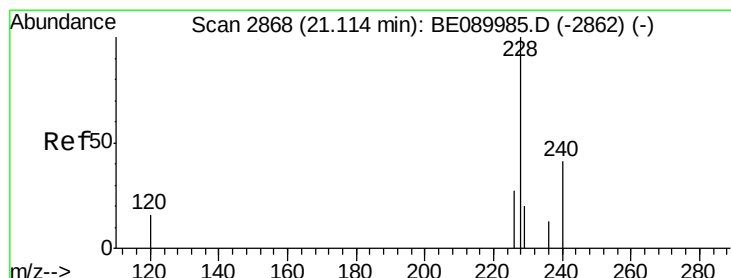
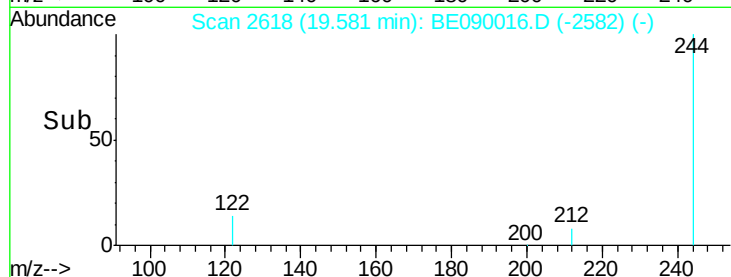
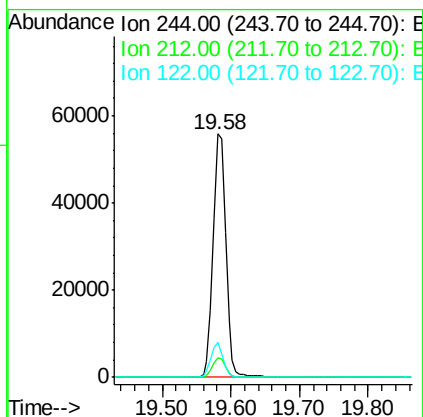
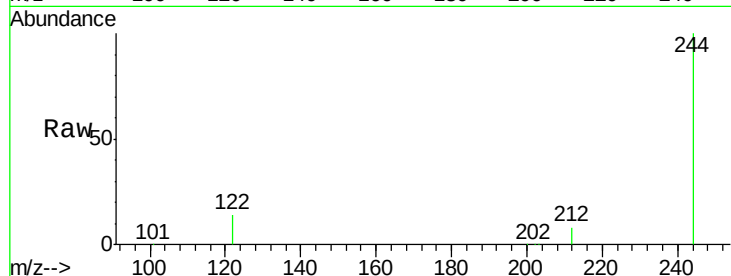




#27
 Terphenyl-d14
 Concen: 4.60 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

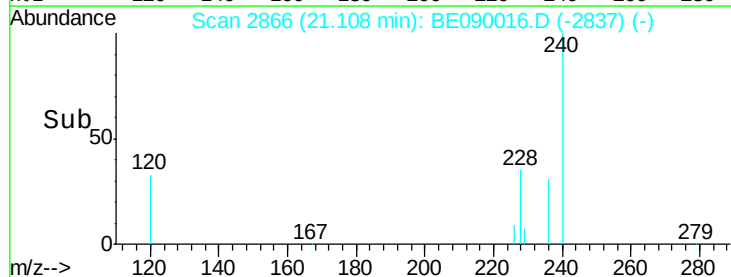
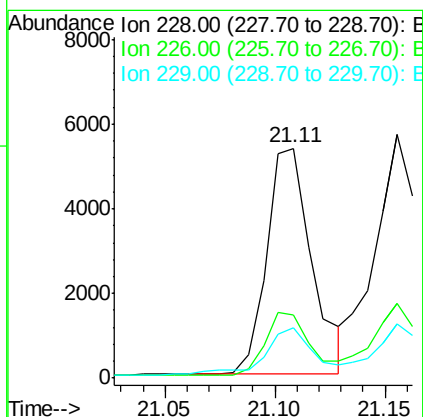
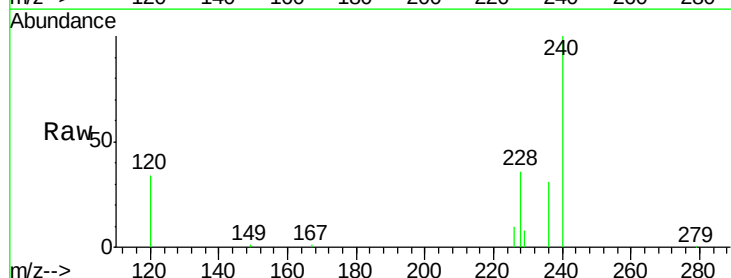
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

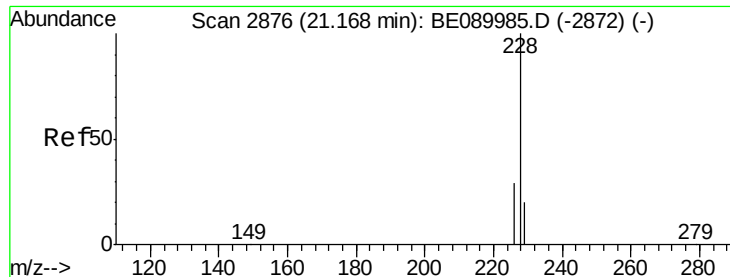
Tgt Ion:244 Resp: 70668
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 14.4 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 0.33 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

Tgt Ion:228 Resp: 7601
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.6
 229 21.7 15.8 23.6





#29

Chrysene

Concen: 0.34 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

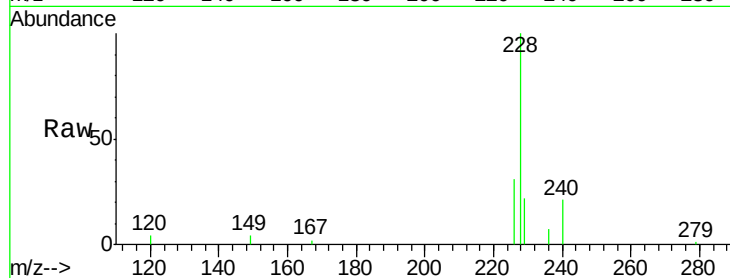
Tgt Ion:228 Resp: 8095

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

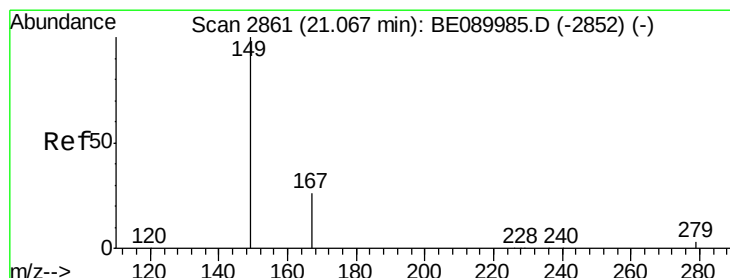
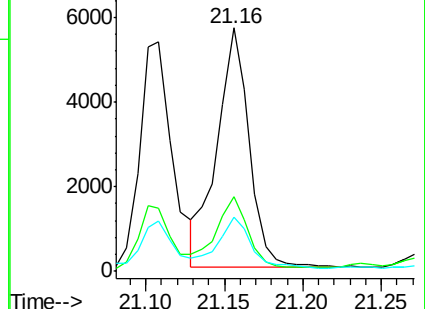
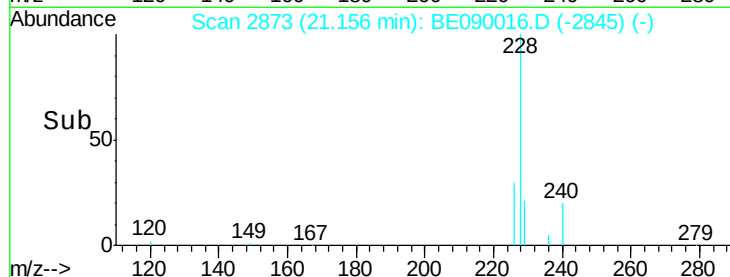
229 22.0 16.2 24.2



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: 0.50 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

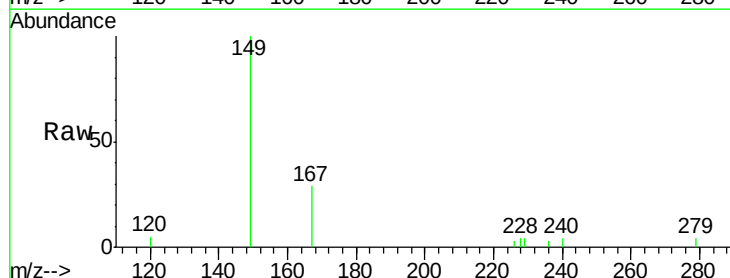
Tgt Ion:149 Resp: 2207

Ion Ratio Lower Upper

149 100

167 25.6 20.3 30.5

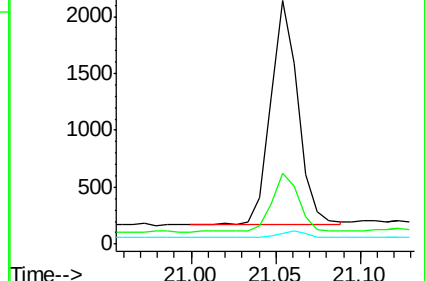
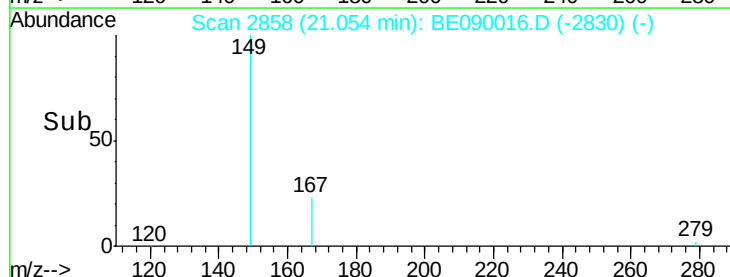
279 3.5 2.6 3.8

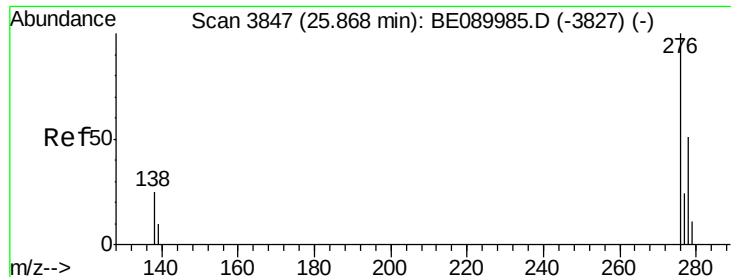


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.25 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

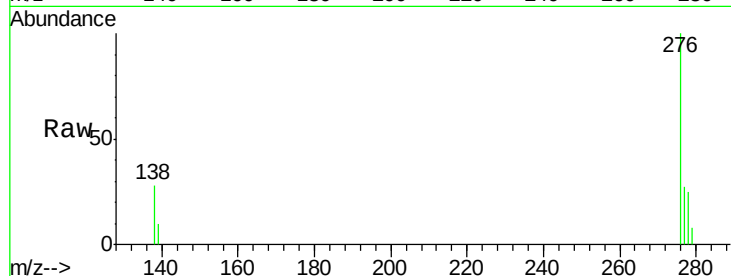
Tgt Ion: 276 Resp: 5841

Ion Ratio Lower Upper

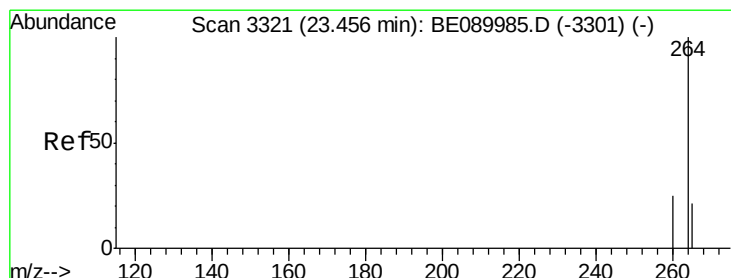
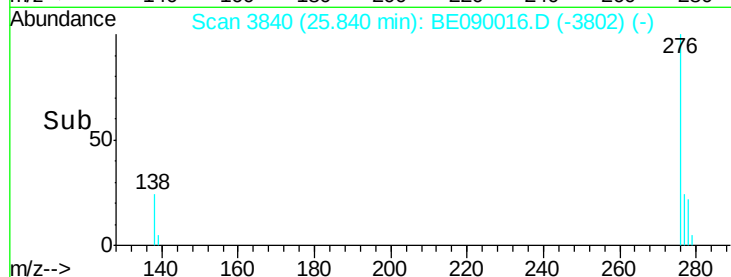
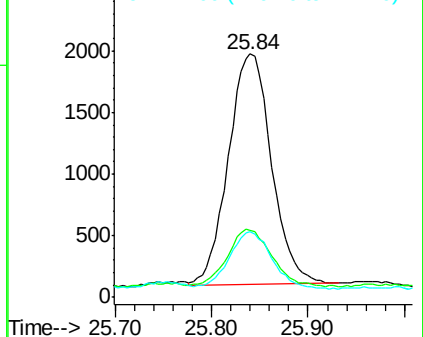
276 100

138 25.3 21.3 31.9

277 25.1 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# 3316

Delta R.T. -0.02 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

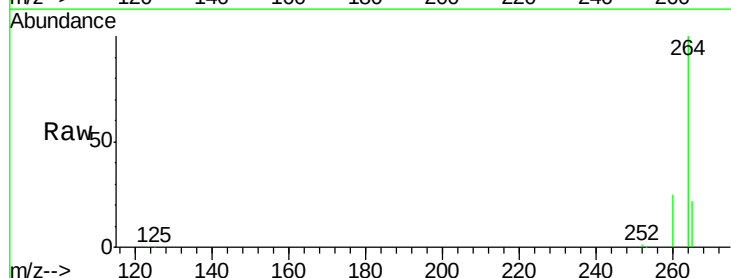
Tgt Ion: 264 Resp: 92376

Ion Ratio Lower Upper

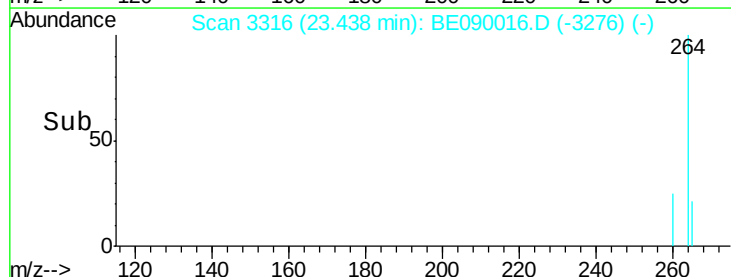
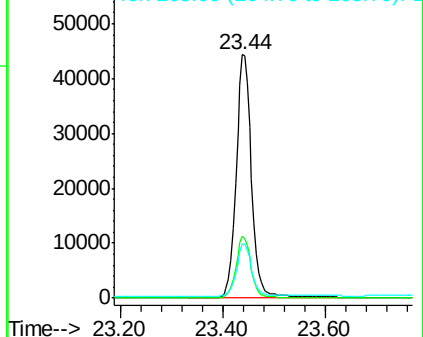
264 100

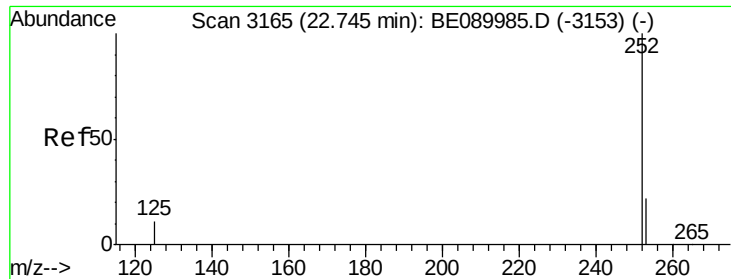
260 25.3 20.2 30.2

265 22.0 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: 0.57 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

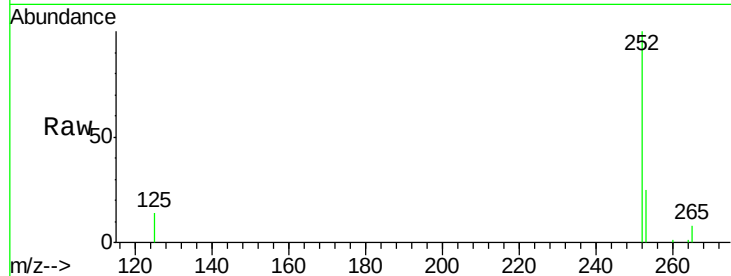
Tgt Ion:252 Resp: 11638

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

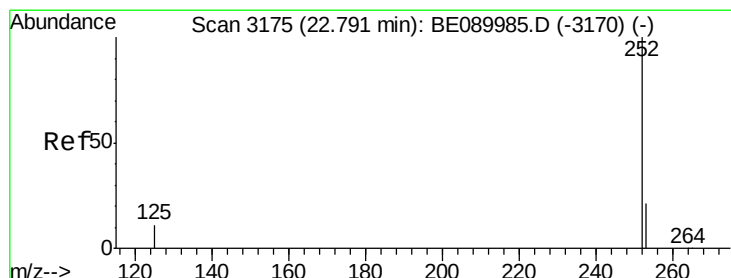
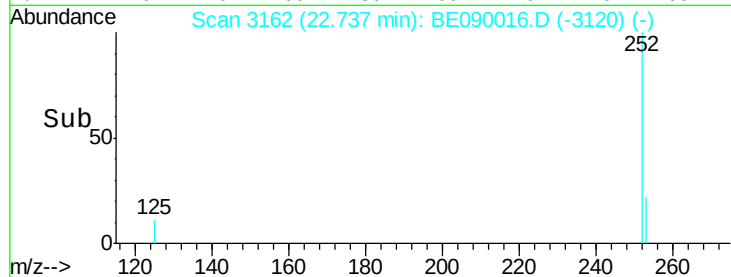
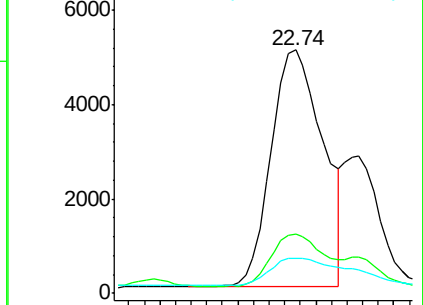
125 14.4 9.0 13.4#



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: 0.19 ng m

RT: 22.78 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

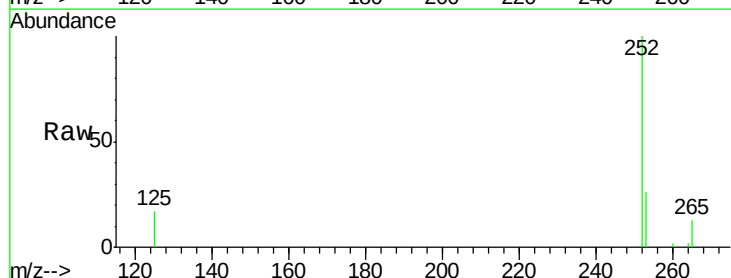
Tgt Ion:252 Resp: 4414

Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

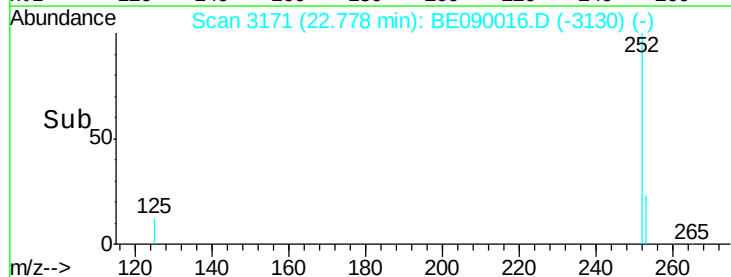
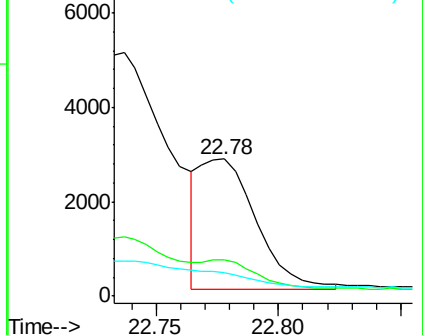
125 17.1 9.5 14.3#

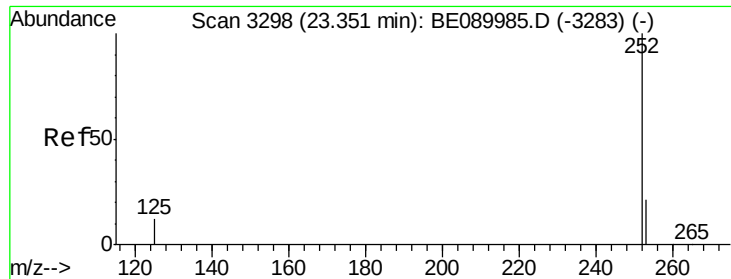


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

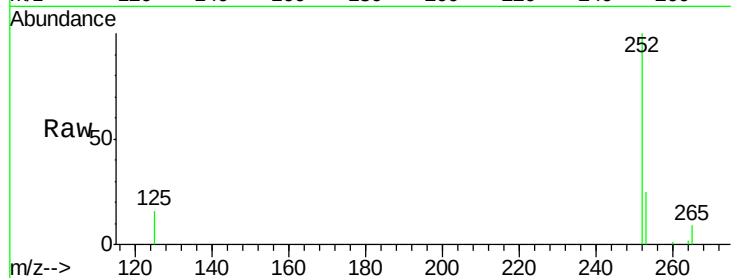
Tgt Ion: 252 Resp: 7559

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

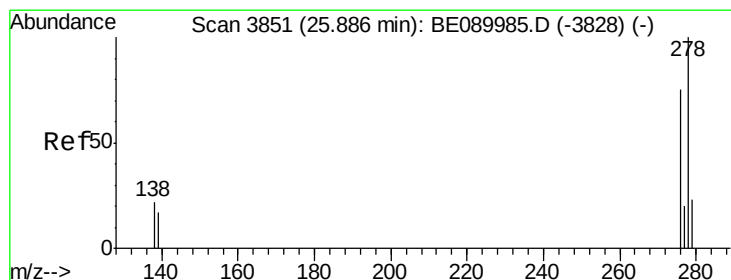
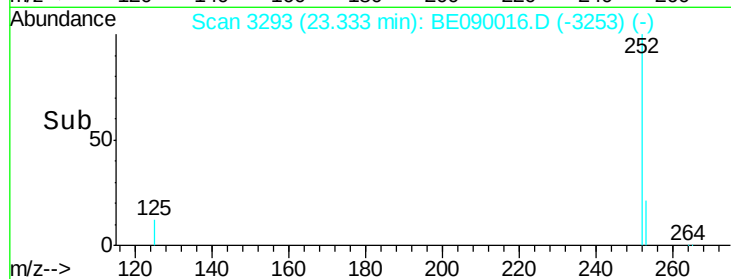
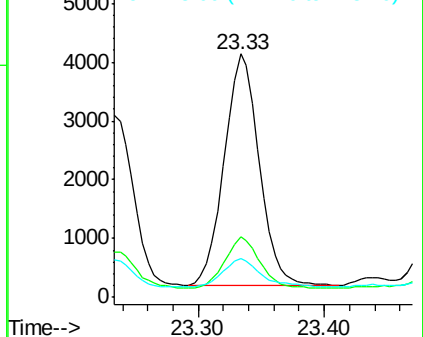
125 16.1 10.5 15.7#



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: 0.09 ng

RT: 25.85 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

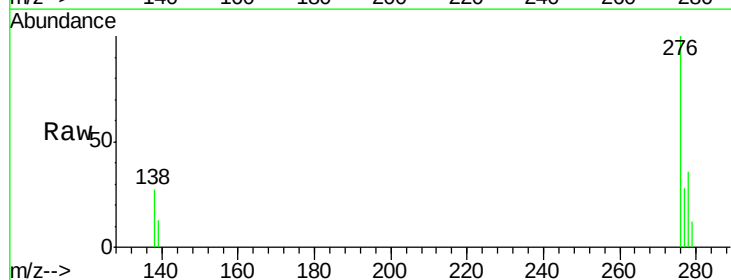
Tgt Ion: 278 Resp: 1744

Ion Ratio Lower Upper

278 100

139 35.5 14.4 21.6#

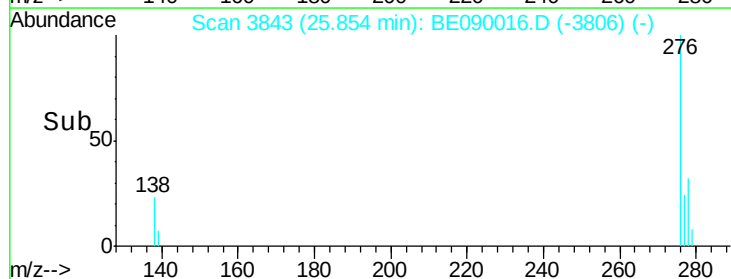
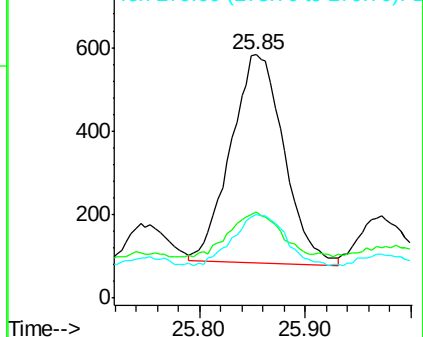
279 34.3 19.0 28.6#

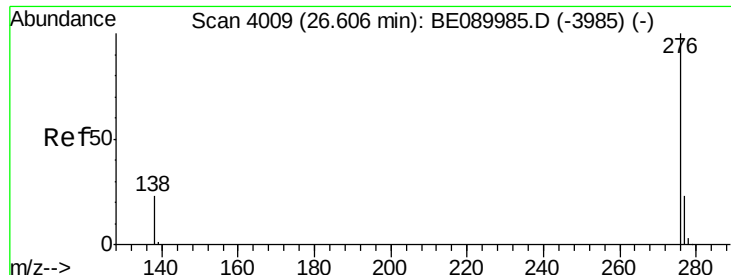


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.31 ng

RT: 26.57 min Scan# 4001

Delta R.T. -0.03 min

Lab File: BE090016.D

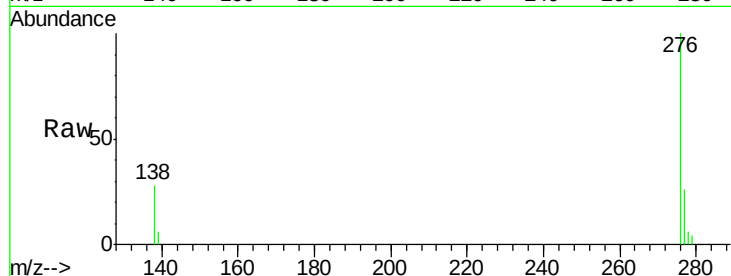
Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626



Tgt Ion: 276 Resp: 6092

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 27.7 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

