

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090024.D
 Acq On : 30 Jun 2015 23:21
 Operator : TP/IZ
 Sample : G2811-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0510006-150625

Quant Time: Jul 01 05:19:44 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	13636	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	58937	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	32280	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	72508	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	90725	5.00	ng	-0.01
32) Perylene-d12	23.44	264	89497	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	25090	8.01	ng	0.00
5) Phenol-d6	6.80	99	38120	8.70	ng	0.00
7) Nitrobenzene-d5	8.75	82	23528	5.03	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9787	10.35	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	48897	5.04	ng	0.00
27) Terphenyl-d14	19.58	244	75326	4.98	ng	-0.01

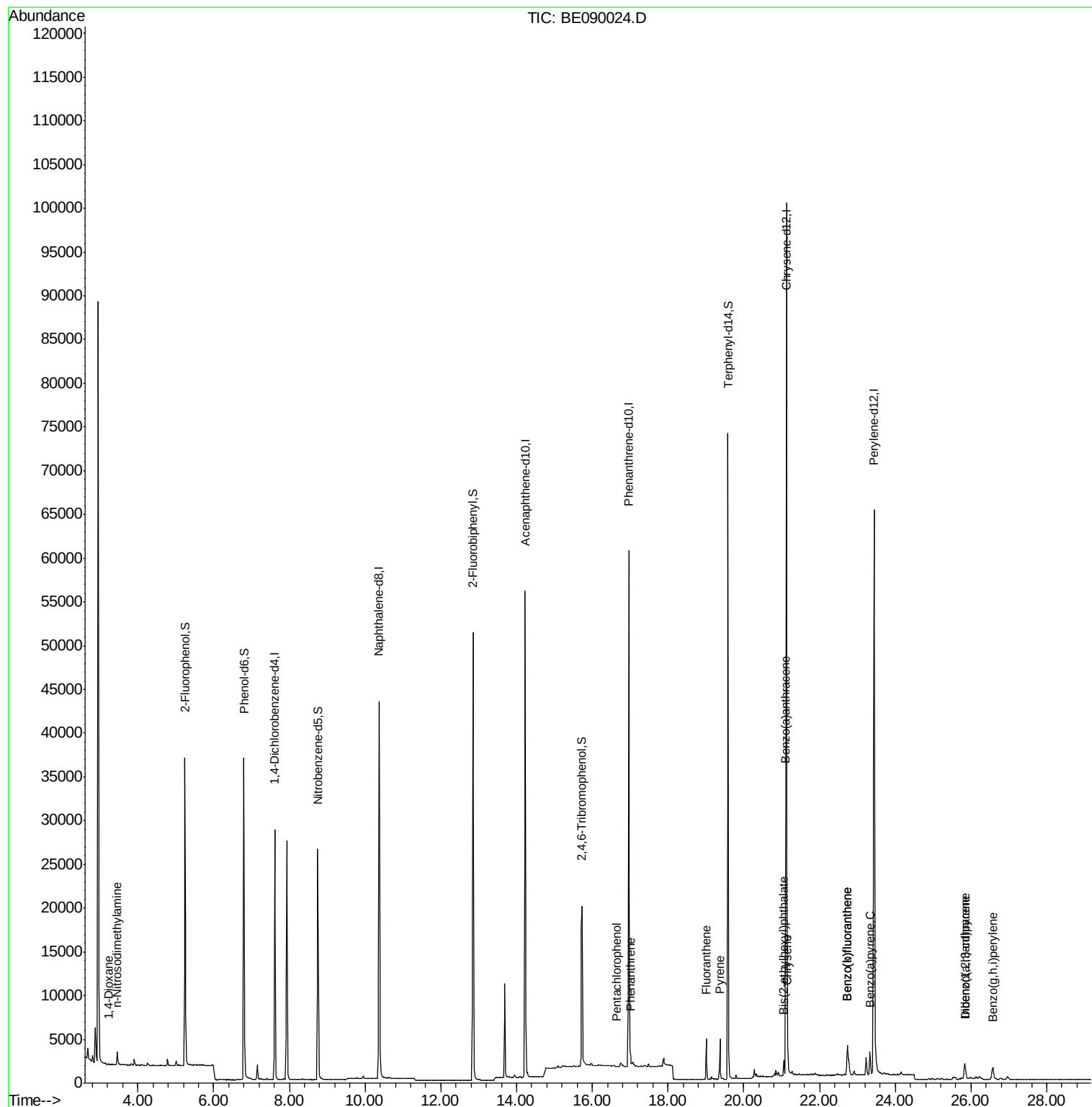
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	48	0.03	ng	# 45
3) n-Nitrosodimethylamine	3.45	42	306	0.12	ng	# 1
21) Pentachlorophenol	16.63	266	8	0.26	ng	# 55
22) Phenanthrene	17.01	178	1233	0.07	ng	# 93
24) Fluoranthene	19.01	202	4264	0.21	ng	# 99
26) Pyrene	19.37	202	4228	0.20	ng	# 96
28) Benzo(a)anthracene	21.10	228	3422	0.15	ng	# 93
29) Chrysene	21.16	228	3629	0.15	ng	# 95
30) Bis(2-ethylhexyl)phthalate	21.05	149	1590	0.45	ng	# 100
31) Indeno(1,2,3-cd)pyrene	25.83	276	2992	0.13	ng	# 99
33) Benzo(b)fluoranthene	22.73	252	5806	0.29	ng	# 88
34) Benzo(k)fluoranthene	22.73	252	5806	0.26	ng	# 88
35) Benzo(a)pyrene	23.33	252	3804	0.21	ng	# 85
36) Dibenzo(a,h)anthracene	25.85	278	844	0.05	ng	# 37
37) Benzo(g,h,i)perylene	26.57	276	3146	0.17	ng	# 88

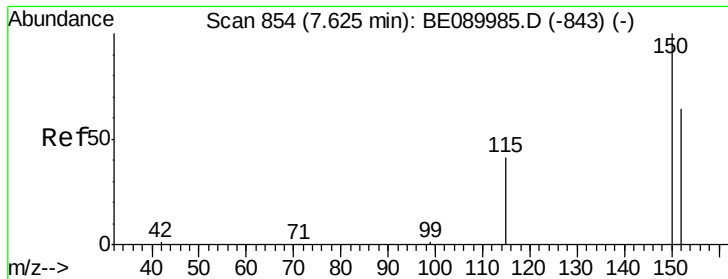
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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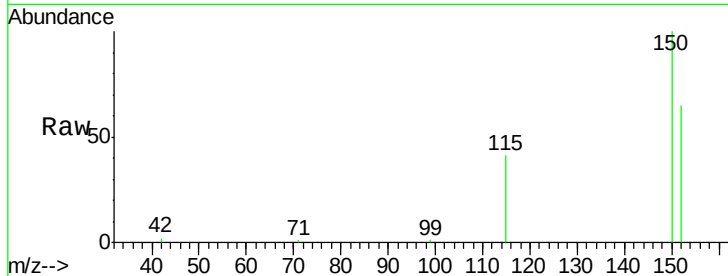


#1

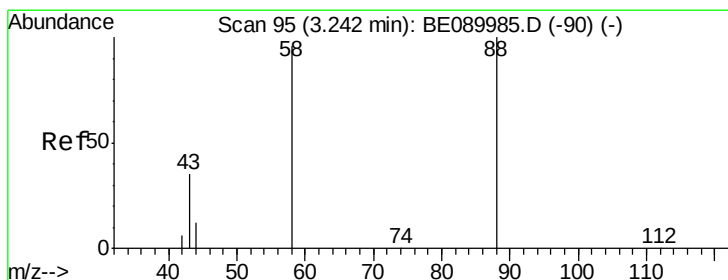
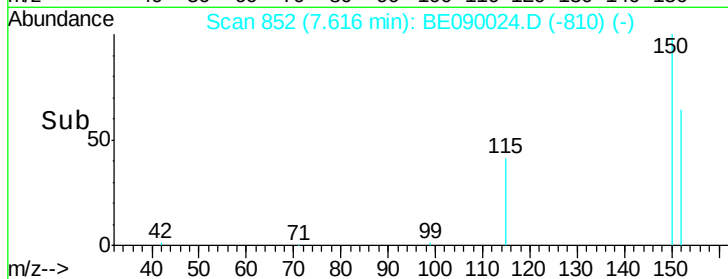
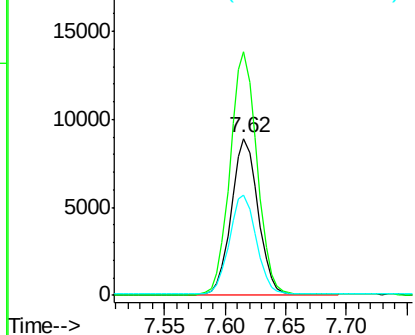
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090024.D
Acq: 30 Jun 2015 23:21

Instrument :
BNA_E
ClientSampleId :
X1SS0510006-150625

Tgt Ion: 152 Resp: 13636
Ion Ratio Lower Upper
152 100
150 155.0 123.9 185.9
115 63.9 50.6 76.0



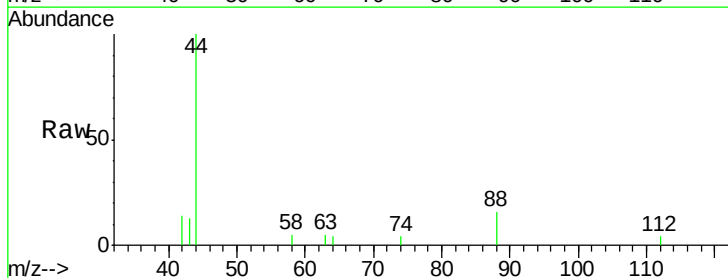
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



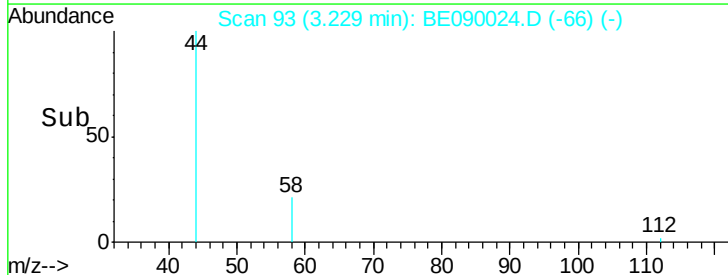
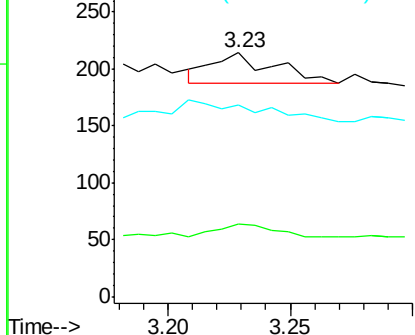
#2

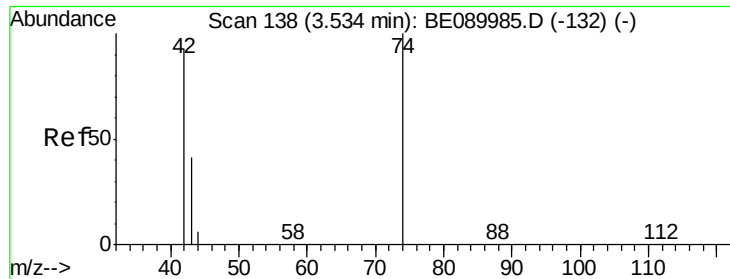
1,4-Dioxane
Concen: 0.03 ng
RT: 3.23 min Scan# 93
Delta R.T. -0.01 min
Lab File: BE090024.D
Acq: 30 Jun 2015 23:21

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
58 39.6 70.9 106.3#
43 0.0 27.6 41.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.45 min Scan# 126

Delta R.T. -0.08 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

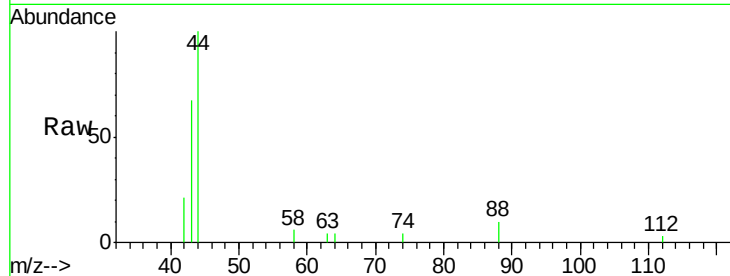
Tgt Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

74 2.6 89.4 134.2#

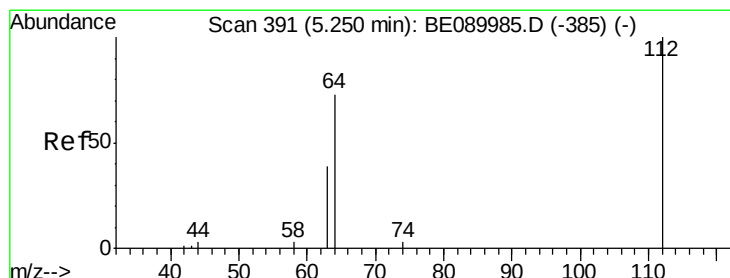
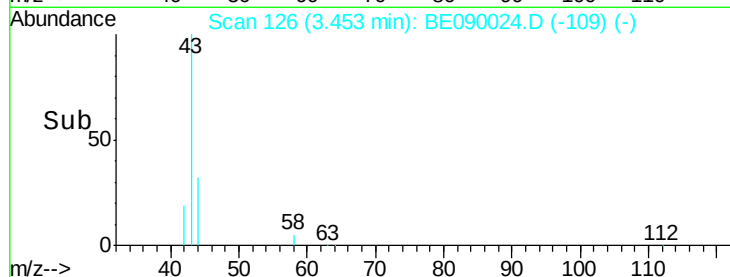
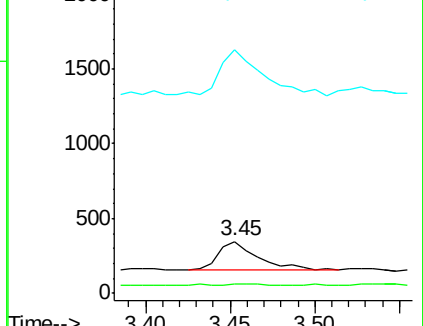
44 177.1 6.9 10.3#



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: 8.01 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

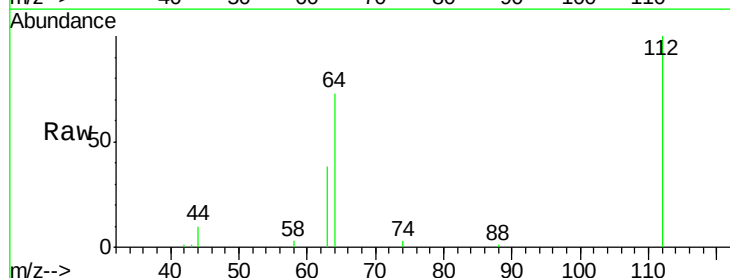
Tgt Ion: 112 Resp: 25090

Ion Ratio Lower Upper

112 100

64 70.4 56.3 84.5

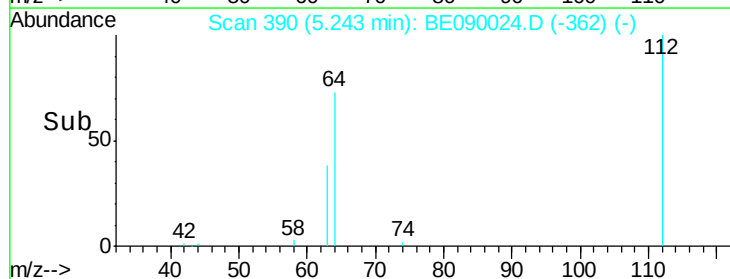
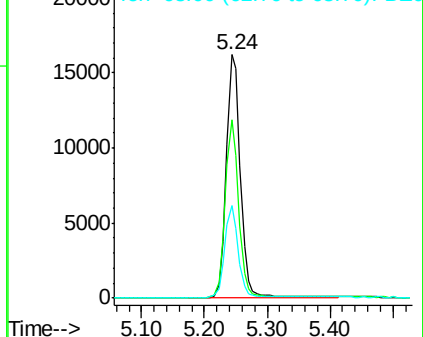
63 36.5 29.8 44.6

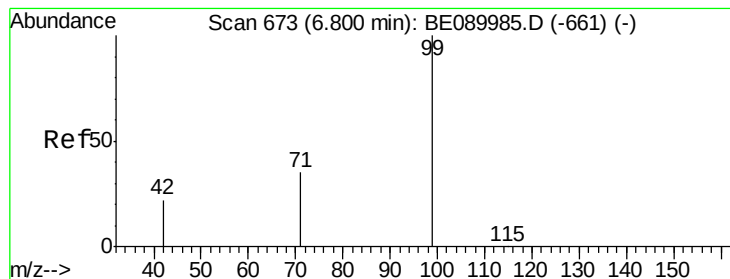


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.70 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

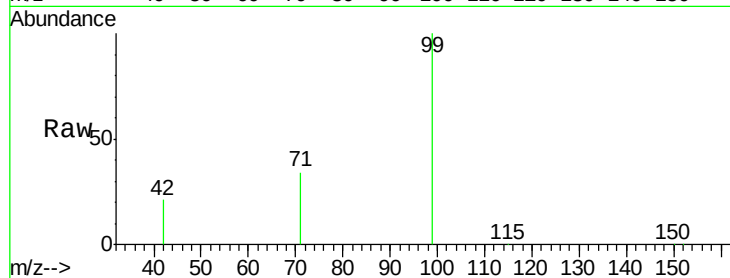
Tgt Ion: 99 Resp: 38120

Ion Ratio Lower Upper

99 100

42 20.3 18.7 28.1

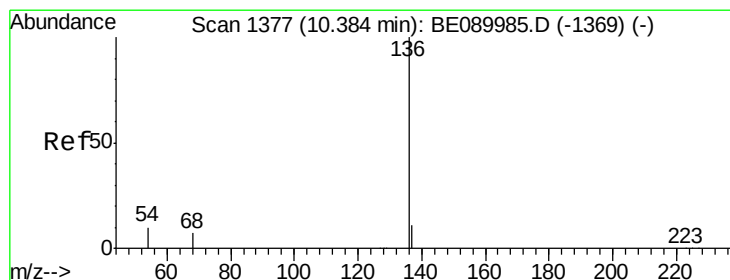
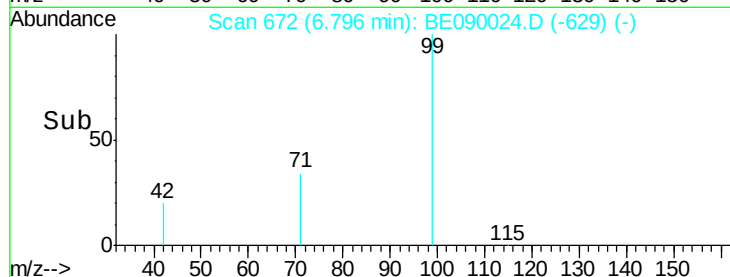
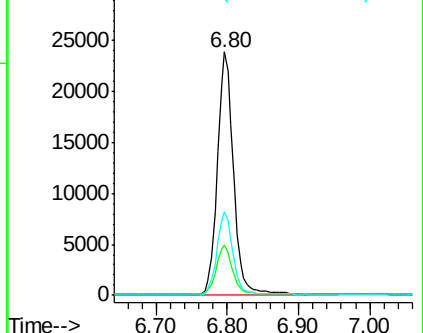
71 33.9 27.5 41.3



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: BE090024.D

Acq: 30 Jun 2015 23:21

Tgt Ion: 136 Resp: 58937

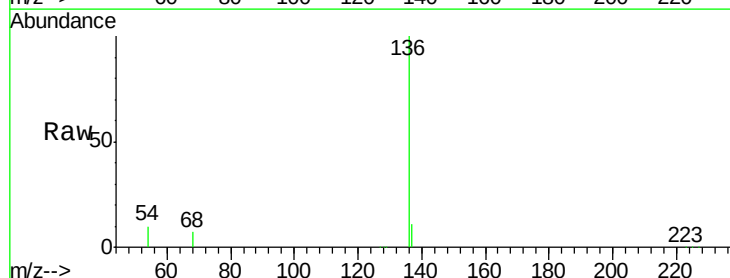
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 8.2 12.4

68 7.3 5.8 8.8

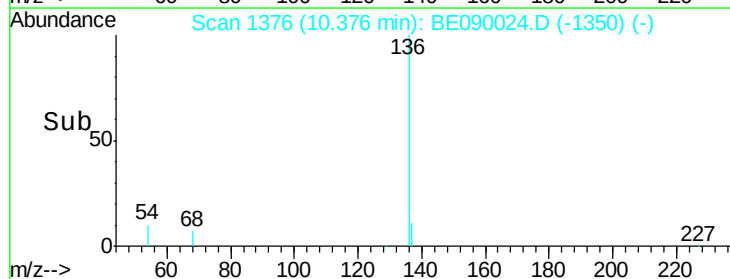
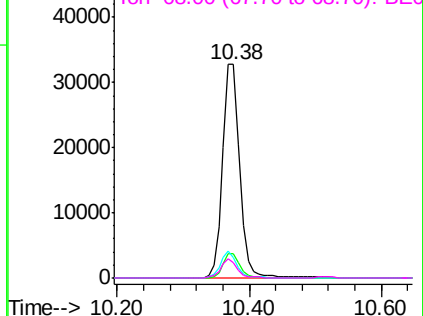


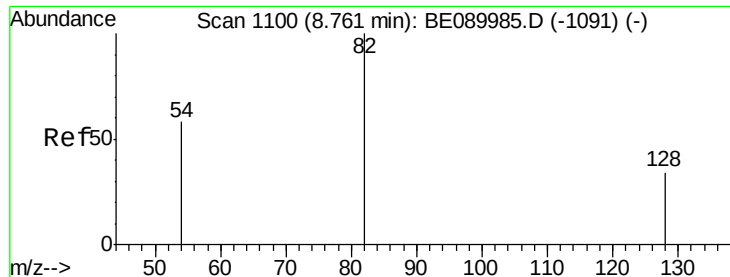
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.03 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

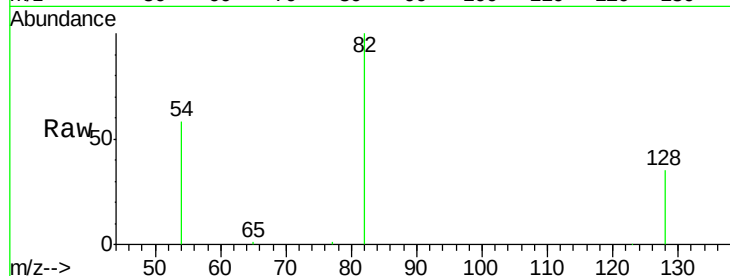
Tgt Ion: 82 Resp: 23528

Ion Ratio Lower Upper

82 100

128 34.6 28.0 42.0

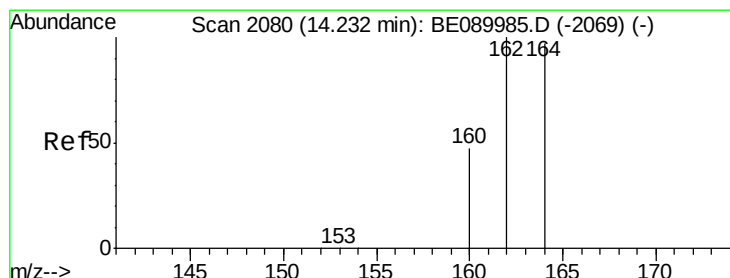
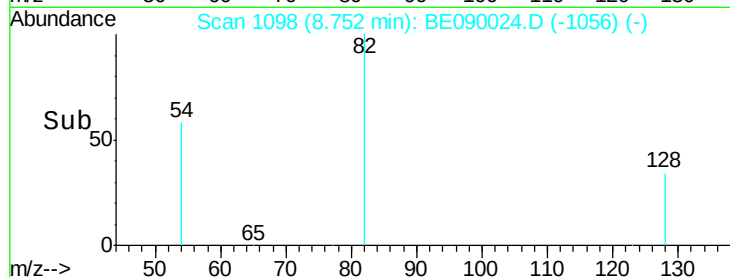
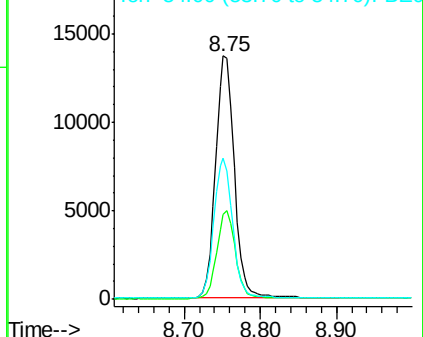
54 58.2 47.6 71.4



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: BE090024.D

Acq: 30 Jun 2015 23:21

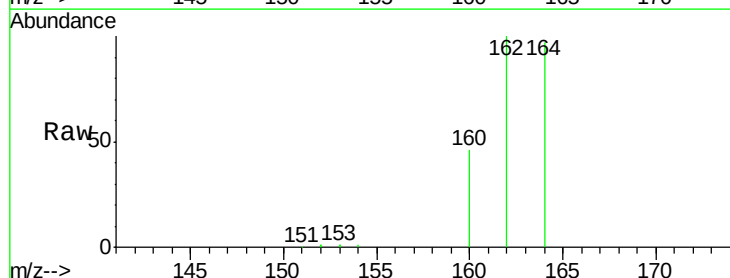
Tgt Ion: 164 Resp: 32280

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.4

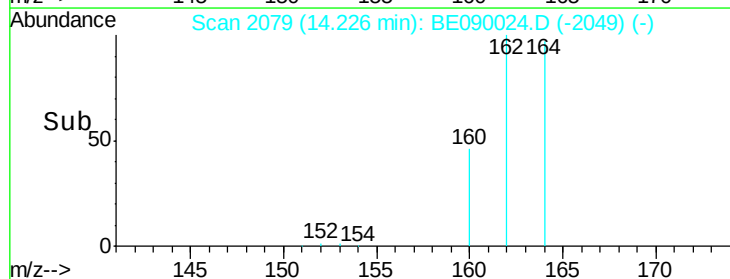
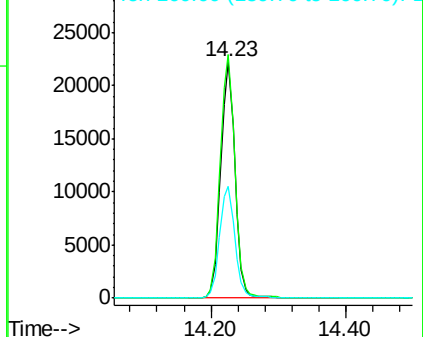
160 47.2 39.0 58.6

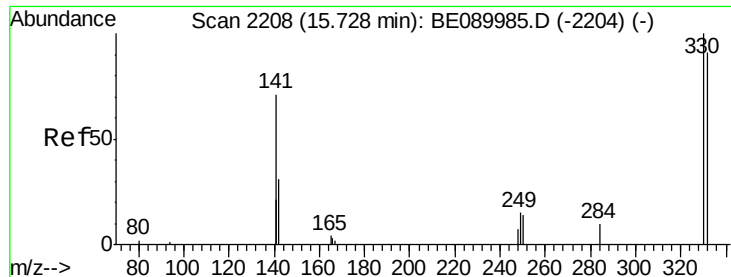


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

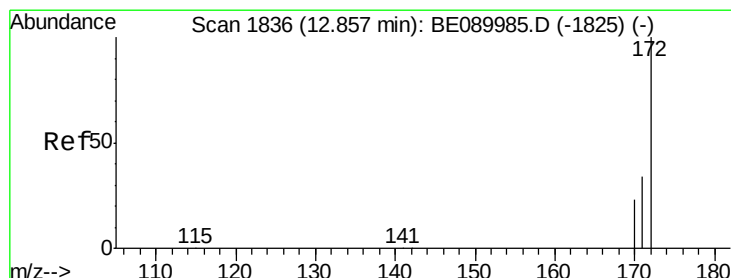
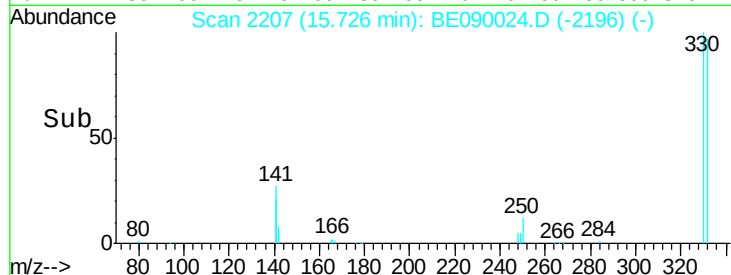
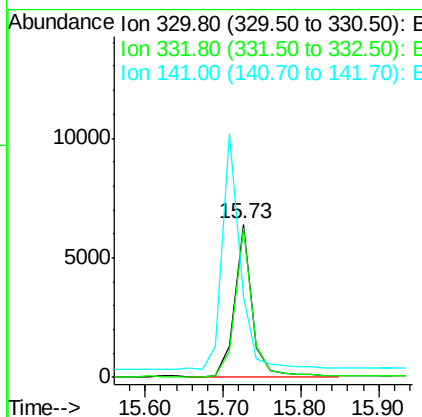
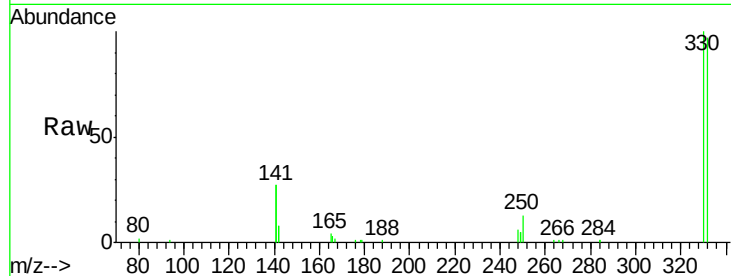




#13
 2,4,6-Tribromophenol
 Concen: 10.35 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090024.D
 Acq: 30 Jun 2015 23:21

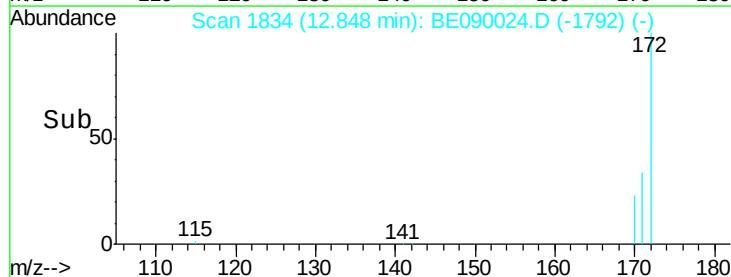
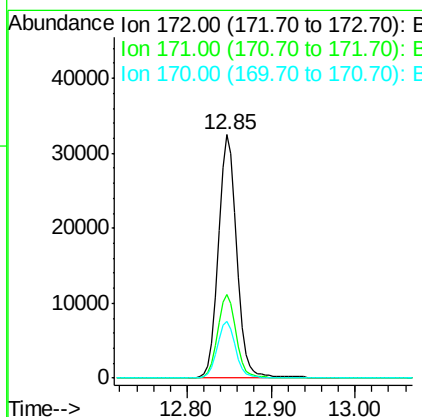
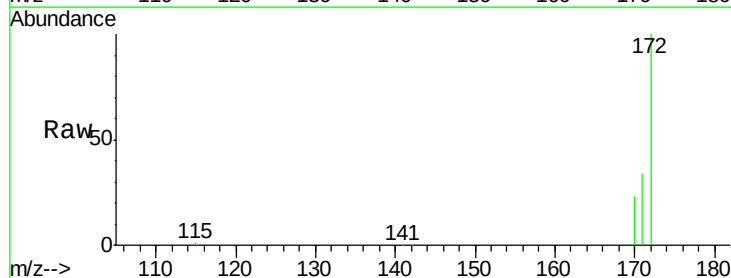
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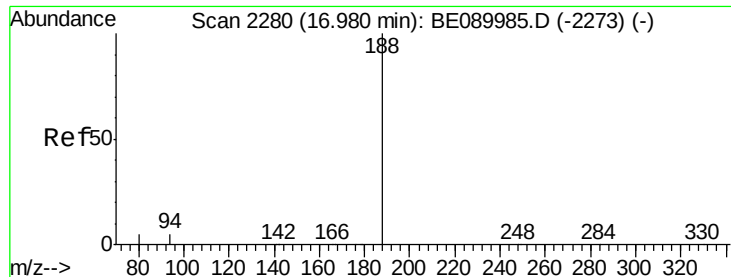
Tgt Ion: 330 Resp: 9787
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.4 114.6
 141 163.3 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 5.04 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090024.D
 Acq: 30 Jun 2015 23:21

Tgt Ion: 172 Resp: 48897
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.8 41.6
 170 23.1 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: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

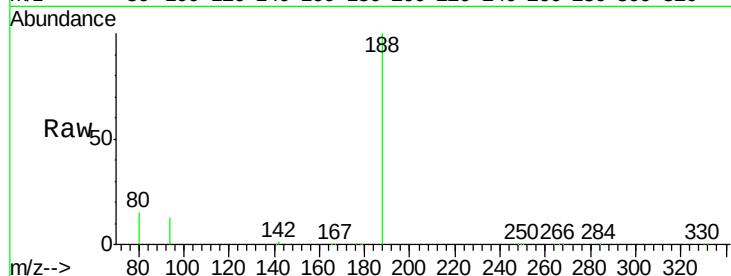
Tgt Ion:188 Resp: 72508

Ion Ratio Lower Upper

188 100

94 12.9 4.1 6.1#

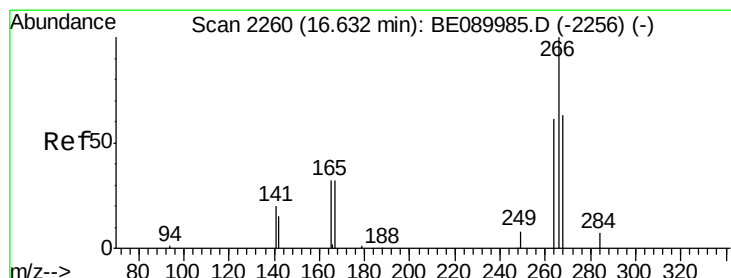
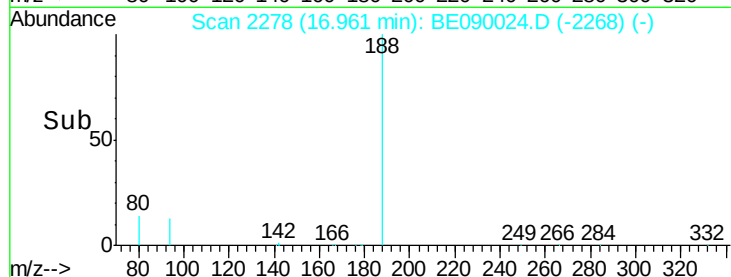
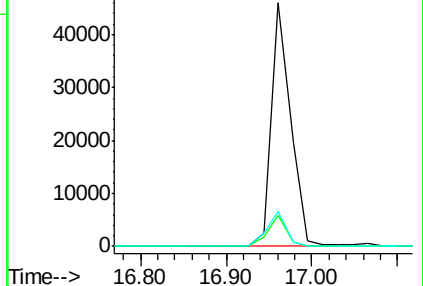
80 14.5 4.2 6.2#



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: 0.26 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

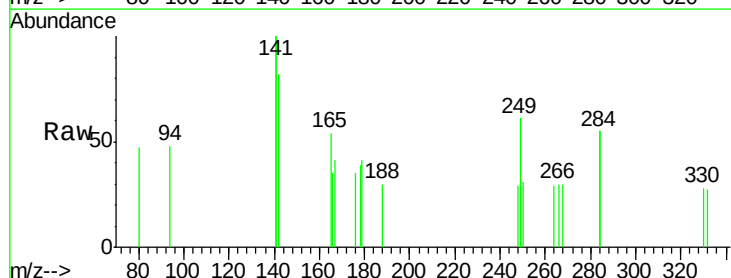
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

268 100.0 51.8 77.8#

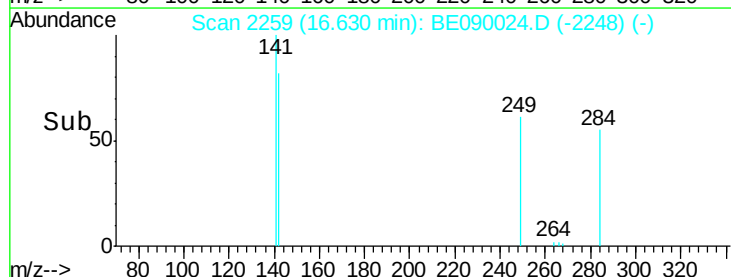
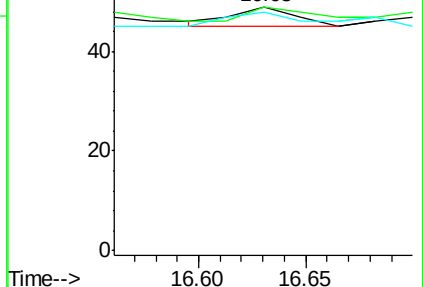
264 98.0 50.2 75.2#

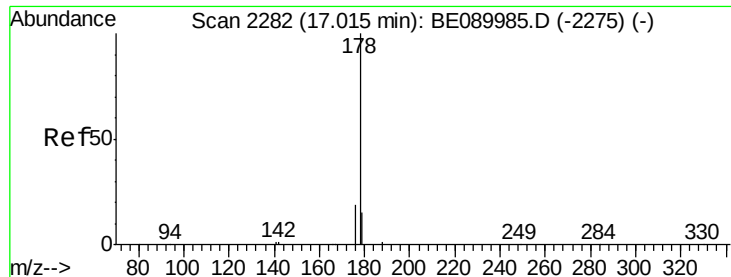


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.07 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

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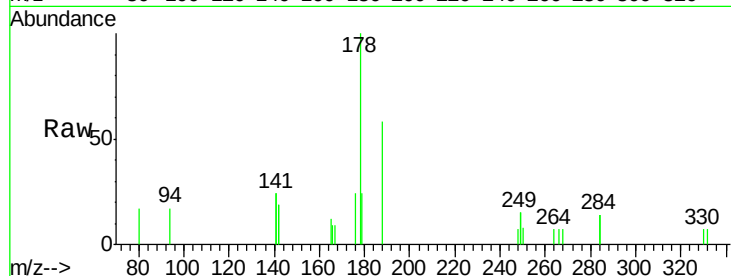
Tgt Ion:178 Resp: 1233

Ion Ratio Lower Upper

178 100

176 20.5 15.3 22.9

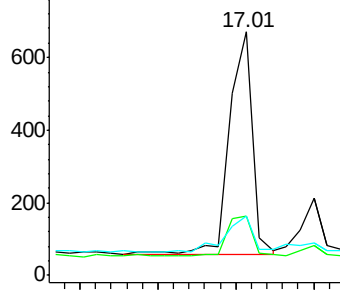
179 20.8 12.4 18.6#



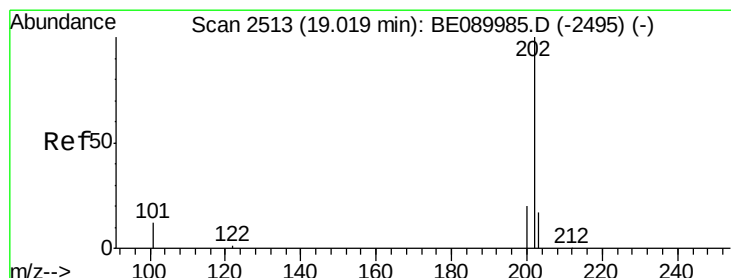
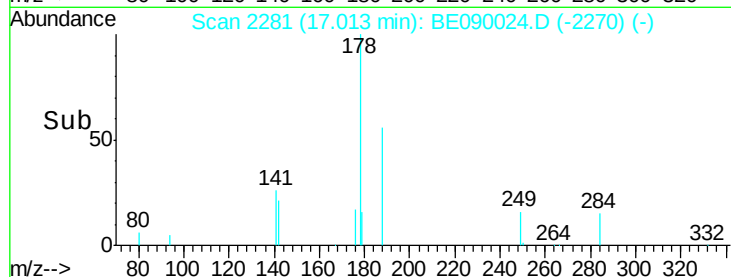
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Fluoranthene

Concen: 0.21 ng

RT: 19.01 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

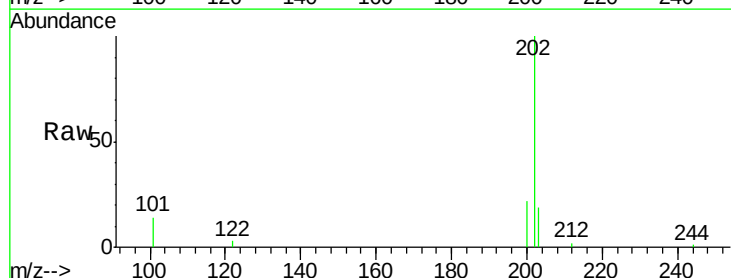
Tgt Ion:202 Resp: 4264

Ion Ratio Lower Upper

202 100

101 14.4 10.6 15.8

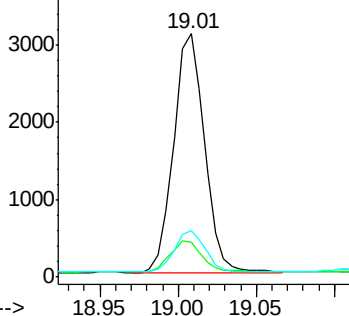
203 17.3 13.8 20.6



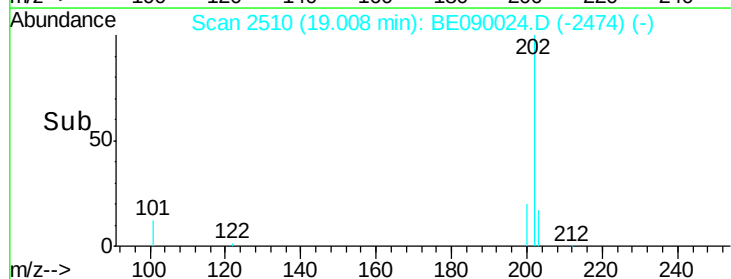
Abundance Ion 202.00 (201.70 to 202.70): E

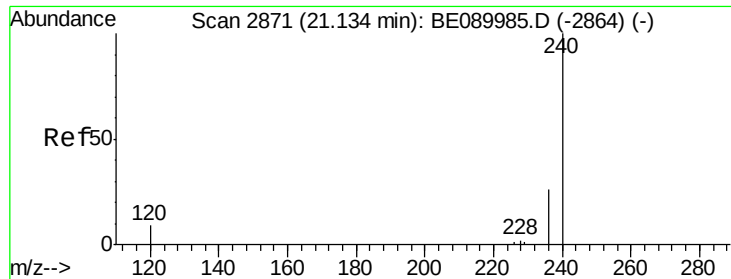
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

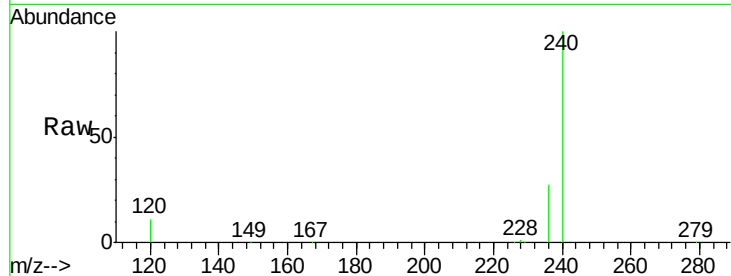
BNA_E

ClientSampleId :

X1SS0510006-150625

Tgt Ion:240 Resp: 90725

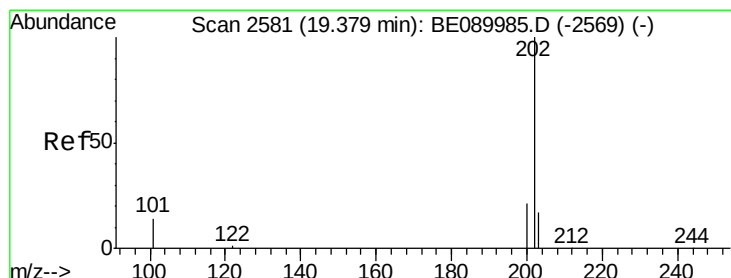
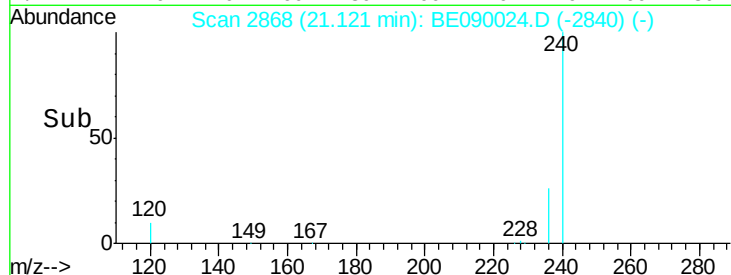
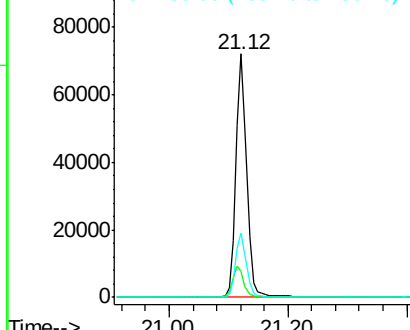
Ion	Ratio	Lower	Upper
240	100		
120	10.6	6.9	10.3#
236	26.5	20.8	31.2



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: 0.20 ng

RT: 19.37 min Scan# 2578

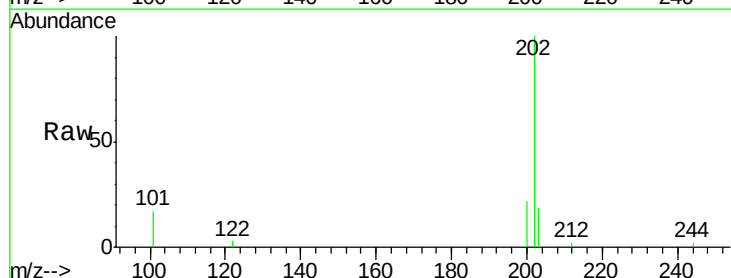
Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Tgt Ion:202 Resp: 4228

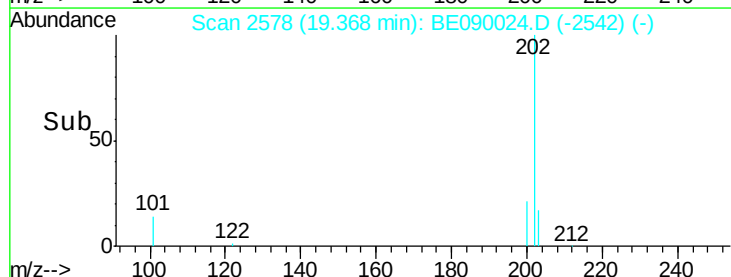
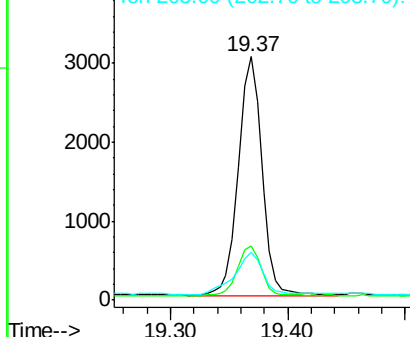
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	21.0	13.9	20.9#

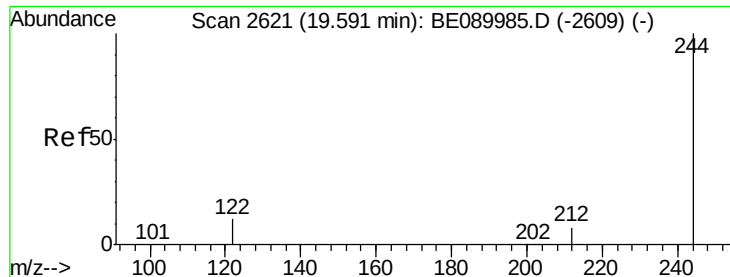


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

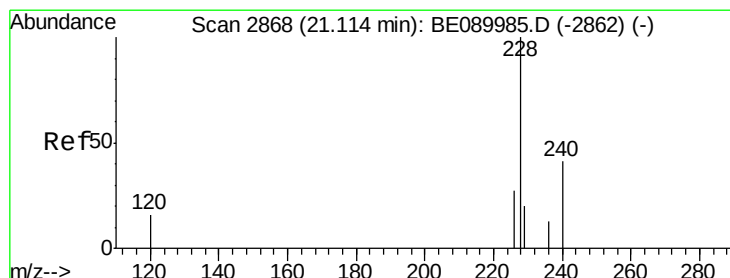
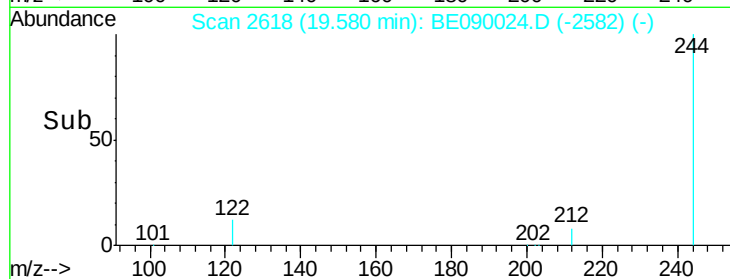
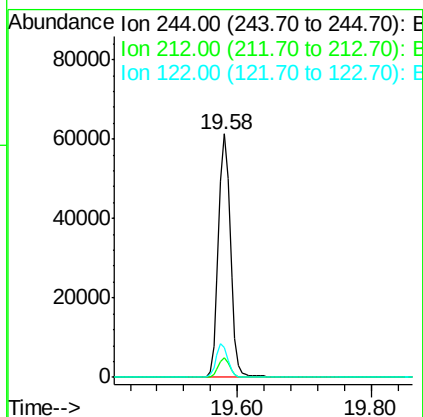
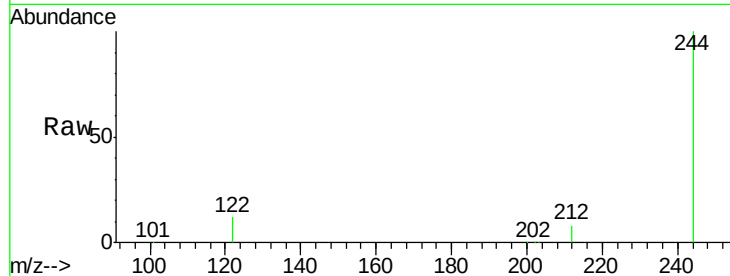




#27
 Terphenyl-d14
 Concen: 4.98 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090024.D
 Acq: 30 Jun 2015 23:21

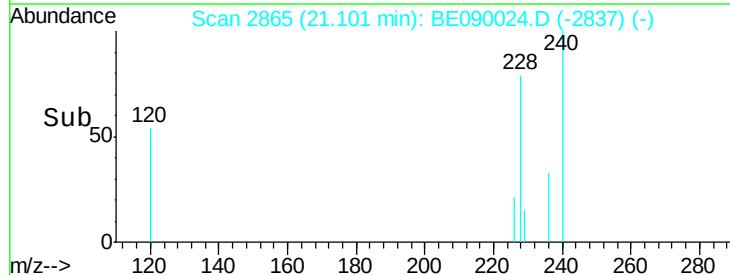
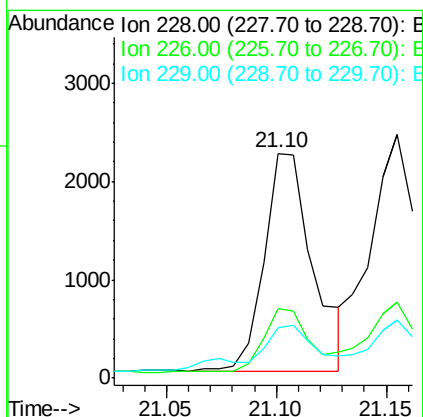
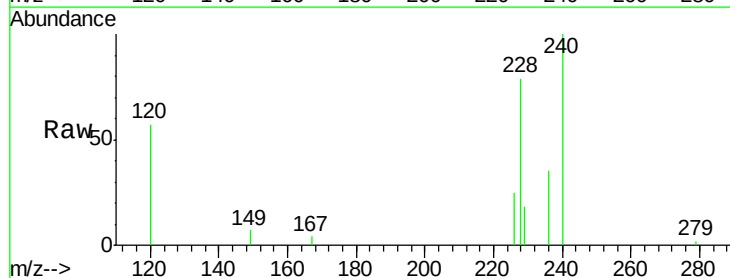
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0510006-150625

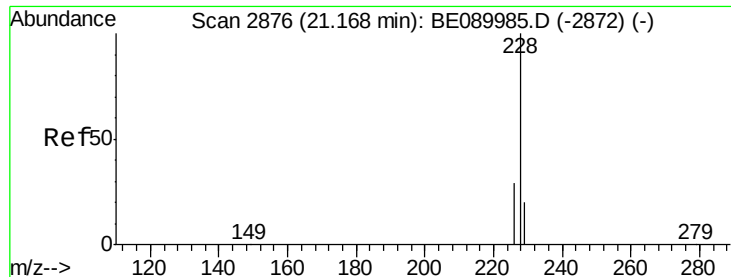
Tgt Ion:244 Resp: 75326
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 12.2 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090024.D
 Acq: 30 Jun 2015 23:21

Tgt Ion:228 Resp: 3422
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.8 32.6
 229 22.5 15.8 23.6





#29

Chrysene

Concen: 0.15 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

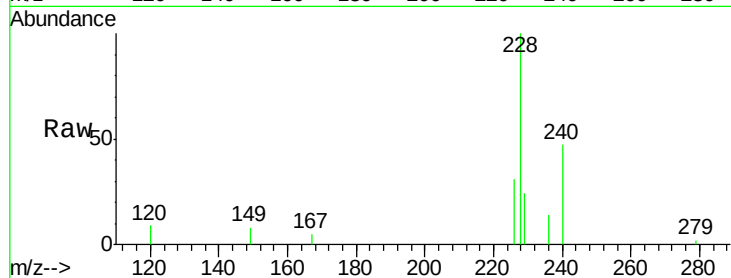
Tgt Ion:228 Resp: 3629

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

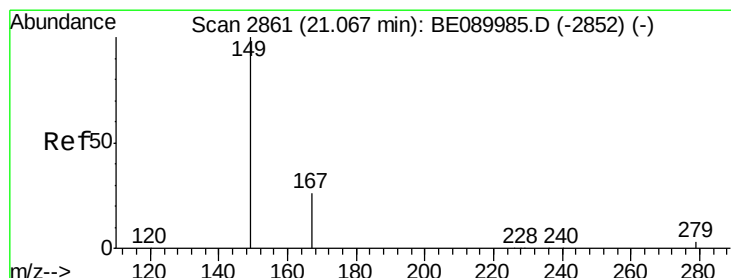
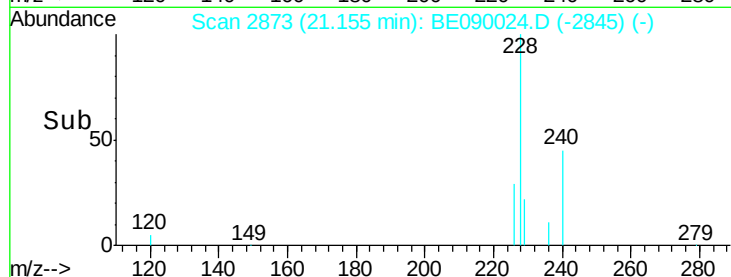
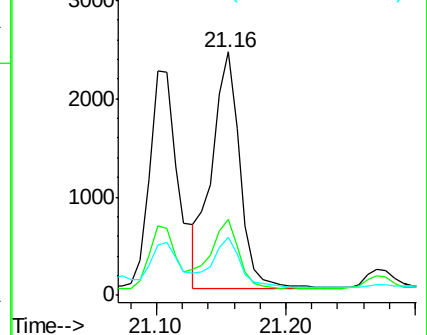
229 24.0 16.2 24.2



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: 0.45 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

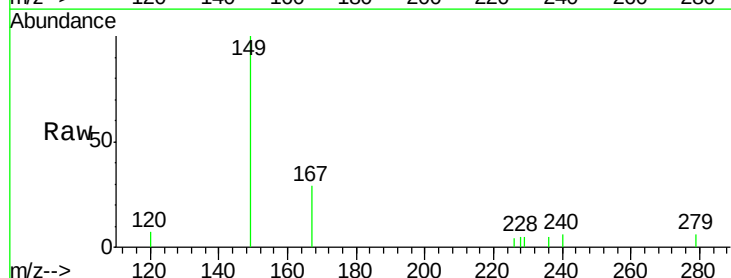
Tgt Ion:149 Resp: 1590

Ion Ratio Lower Upper

149 100

167 25.5 20.3 30.5

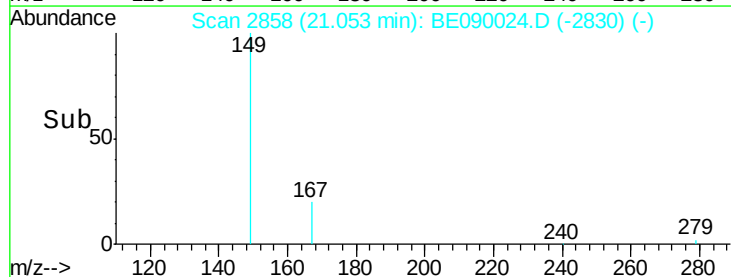
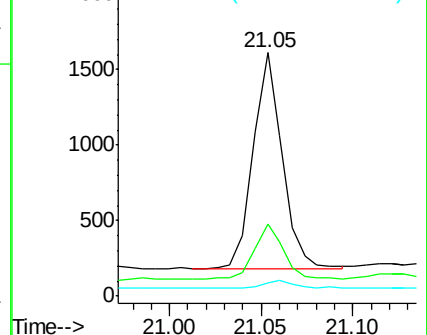
279 3.3 2.6 3.8

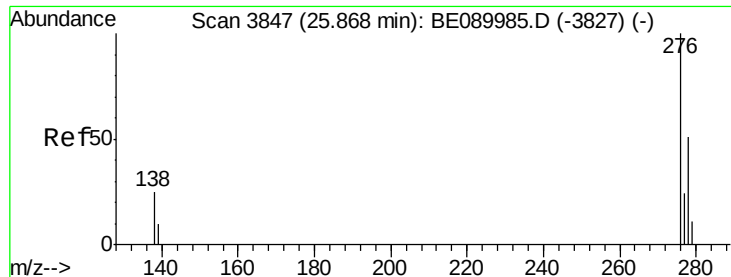


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.13 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.04 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

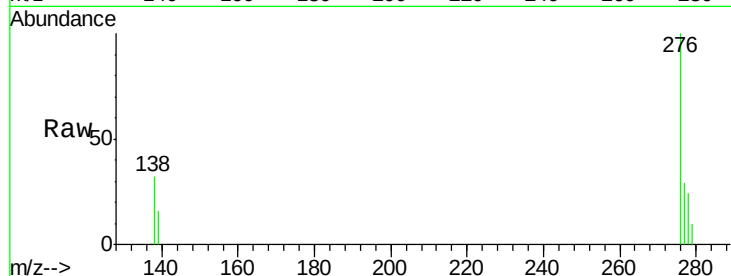
Tgt Ion: 276 Resp: 2992

Ion Ratio Lower Upper

276 100

138 27.4 21.3 31.9

277 24.5 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

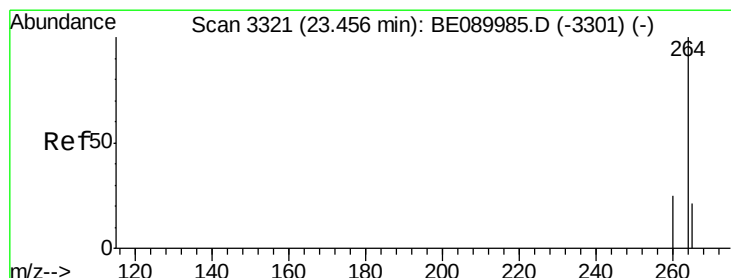
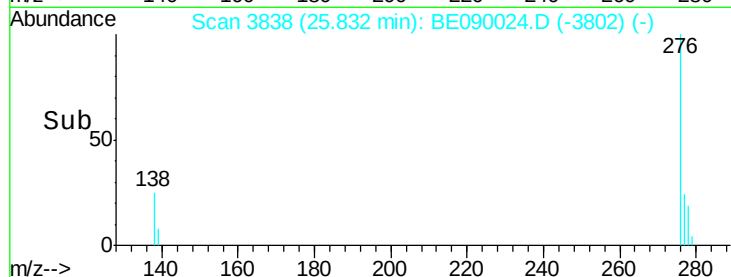
25.83

1000

500

0

Time--> 25.70 25.80 25.90



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3316

Delta R.T. -0.02 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

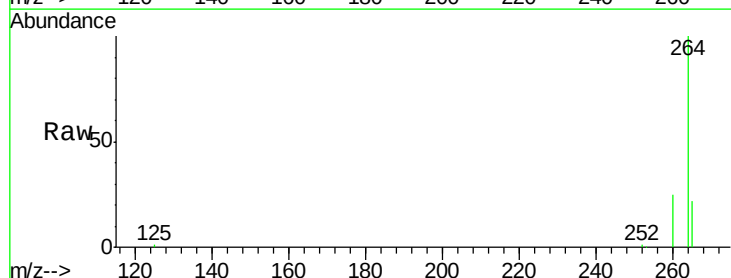
Tgt Ion: 264 Resp: 89497

Ion Ratio Lower Upper

264 100

260 25.1 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

23.44

60000

50000

40000

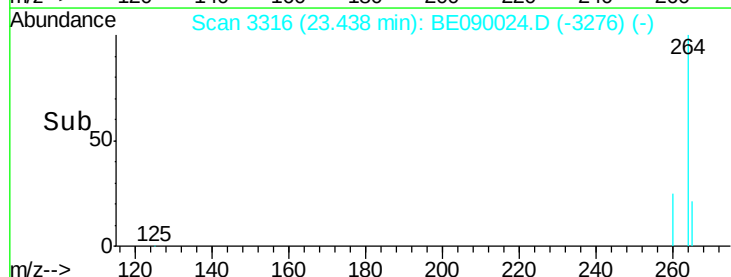
30000

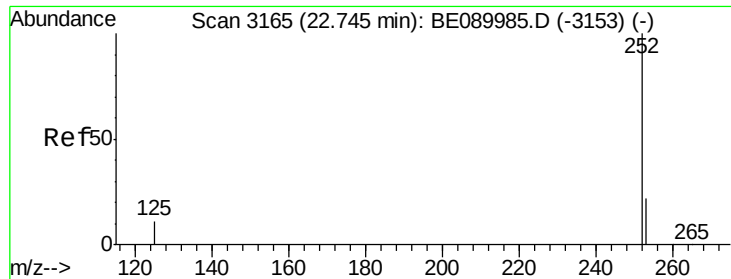
20000

10000

0

Time--> 23.40 23.60





#33

Benzo(b)fluoranthene

Concen: 0.29 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

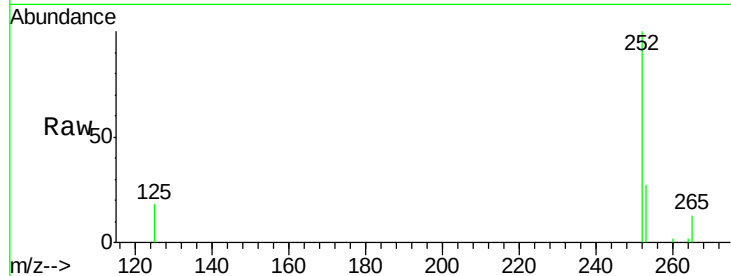
Tgt Ion:252 Resp: 5806

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

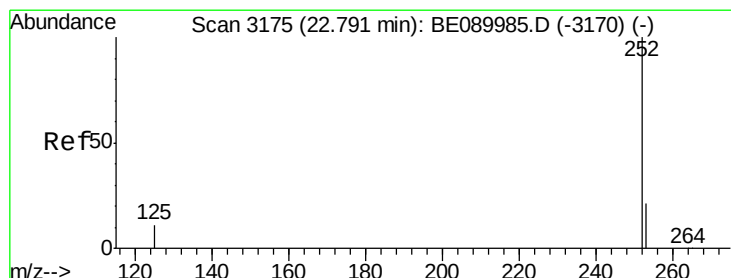
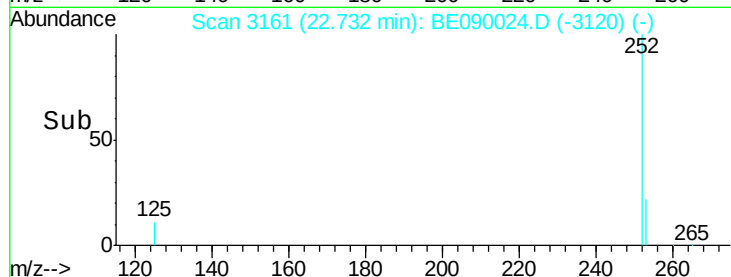
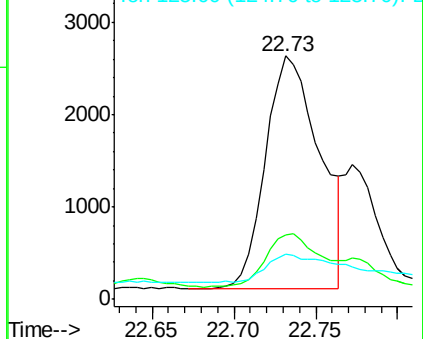
125 18.4 9.0 13.4#



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: 0.26 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.06 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

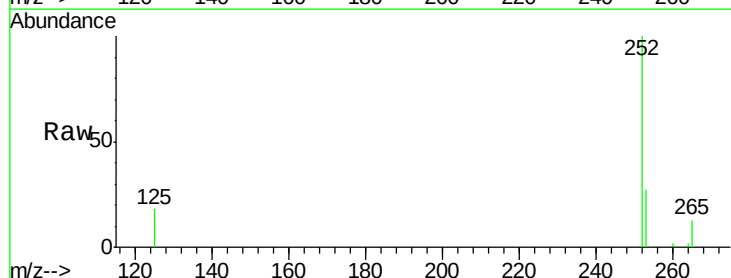
Tgt Ion:252 Resp: 5806

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

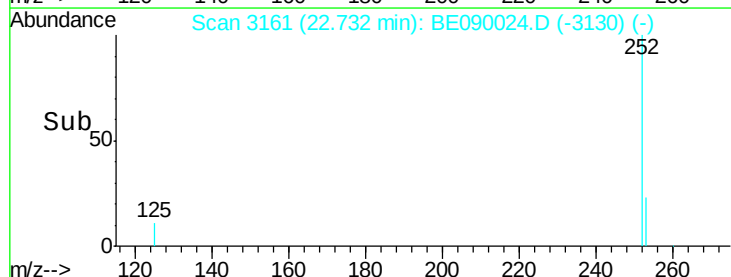
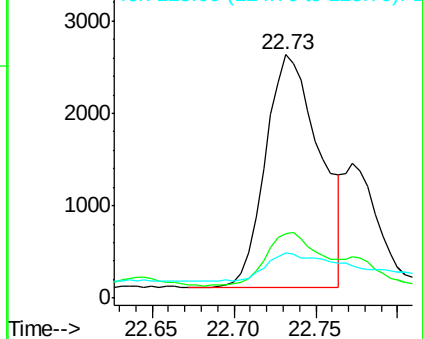
125 18.4 9.5 14.3#

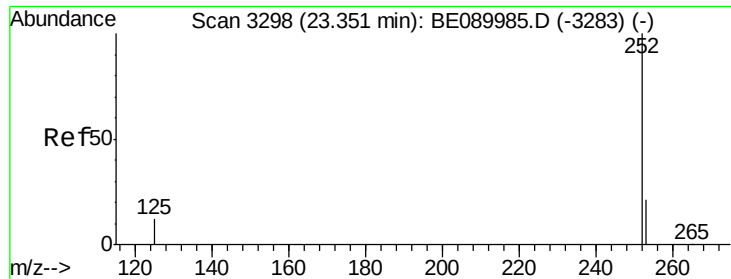


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.21 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

Instrument :

BNA_E

ClientSampleId :

X1SS0510006-150625

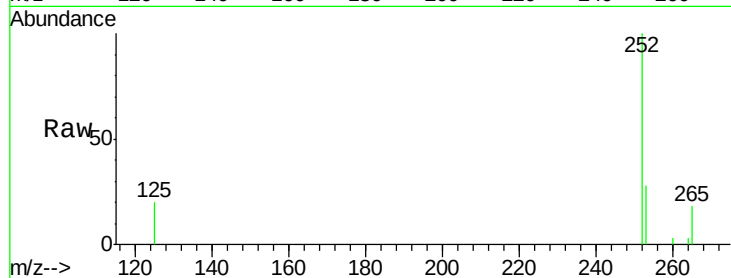
Tgt Ion: 252 Resp: 3804

Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.2#

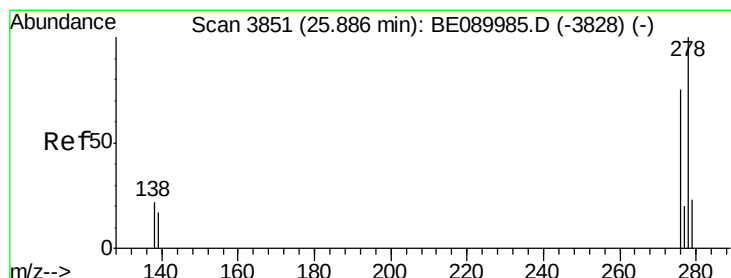
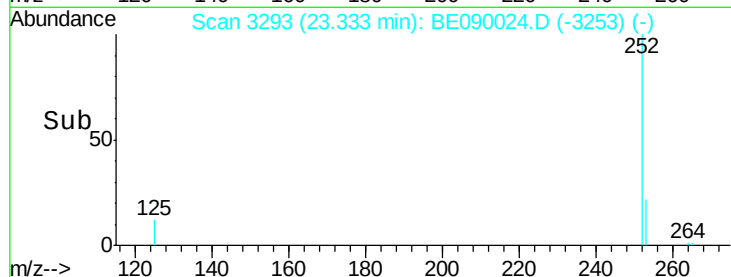
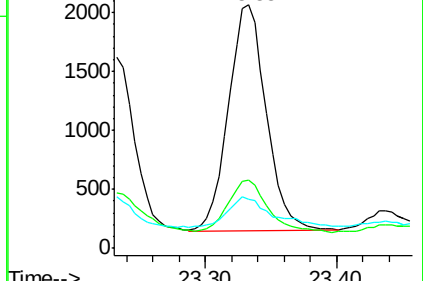
125 20.1 10.5 15.7#



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: 0.05 ng

RT: 25.85 min Scan# 3841

Delta R.T. -0.04 min

Lab File: BE090024.D

Acq: 30 Jun 2015 23:21

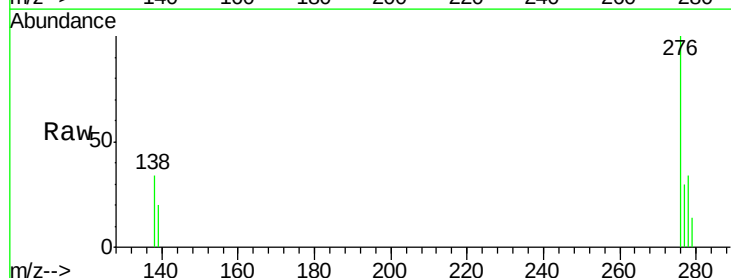
Tgt Ion: 278 Resp: 844

Ion Ratio Lower Upper

278 100

139 60.1 14.4 21.6#

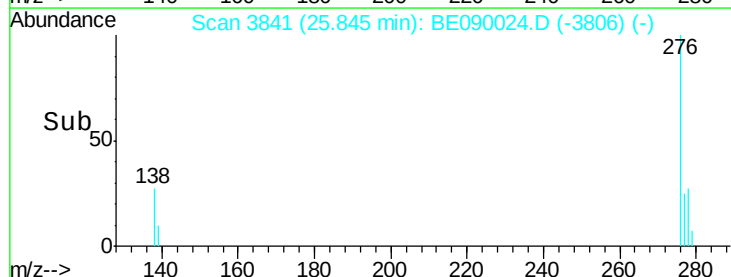
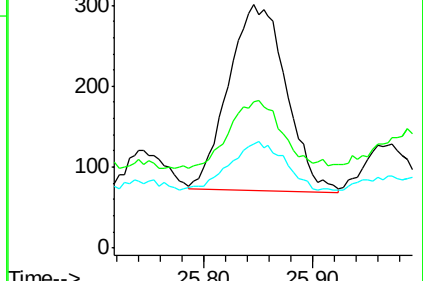
279 42.9 19.0 28.6#

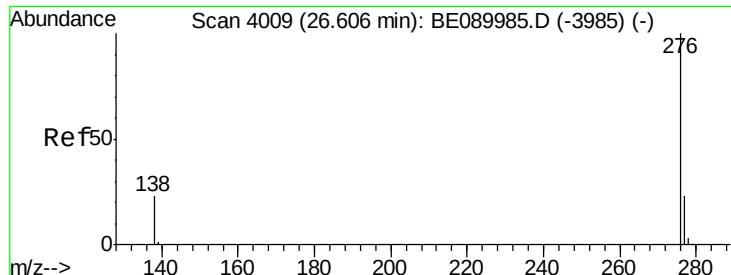


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.17 ng
 RT: 26.57 min Scan# 4000
 Delta R.T. -0.04 min
 Lab File: BE090024.D
 Acq: 30 Jun 2015 23:21

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0510006-150625

Tgt Ion: 276 Resp: 3146
 Ion Ratio Lower Upper
 276 100
 277 27.1 18.8 28.2
 138 30.9 18.6 27.8#

