

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
 Data File : BE091870.D
 Acq On : 25 May 2016 22:19
 Operator : UM/SJ
 Sample : PB90363BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BL

Quant Time: May 26 01:38:12 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 19:42:30 2016
 Response via : Initial Calibration

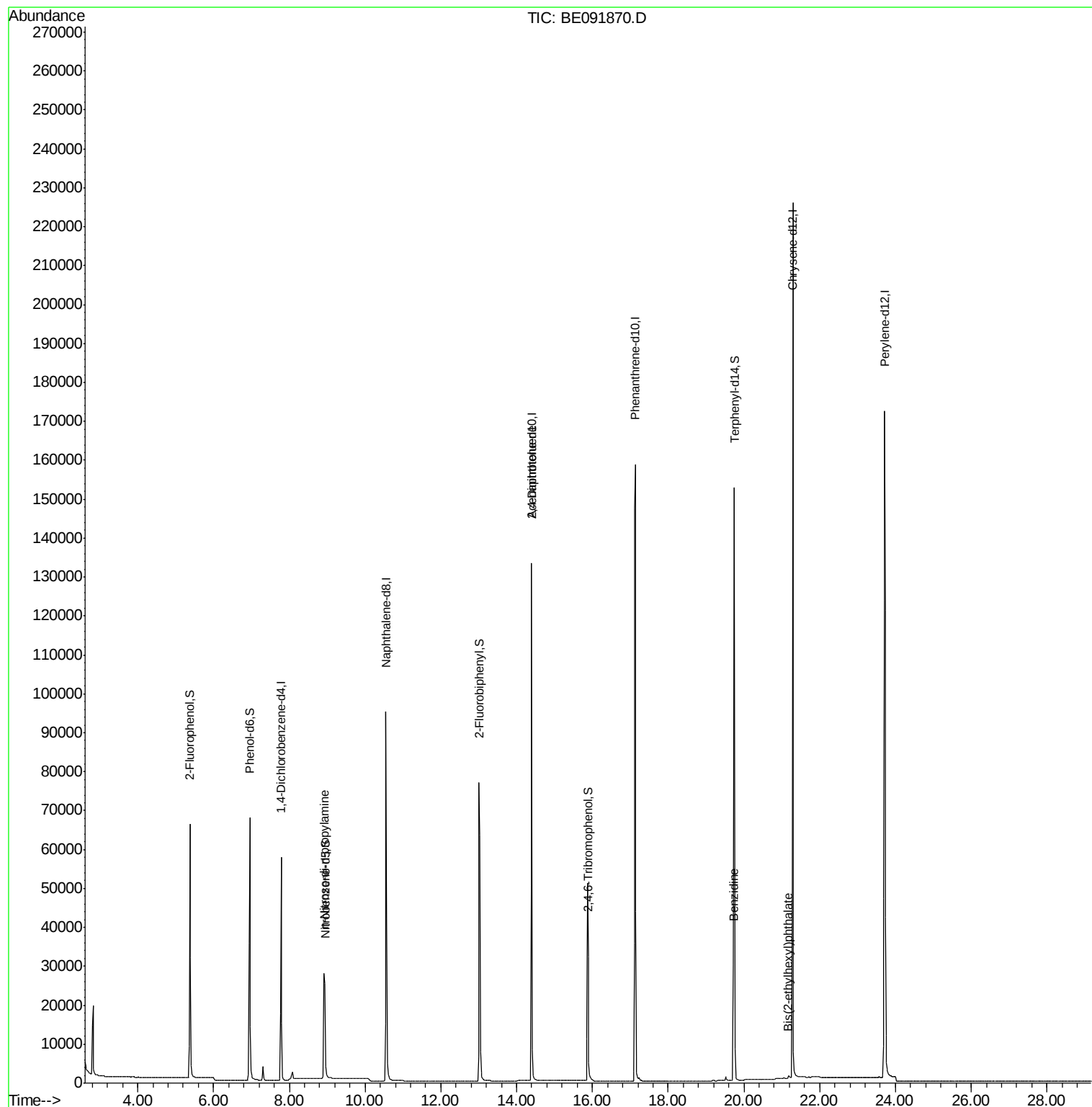
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	29133	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	143810	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	93051	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	265547	5.00	ng	0.00
31) Chrysene-d12	21.29	240	277678	5.00	ng	0.00
40) Perylene-d12	23.72	264	251238	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	53804	6.46	ng	-0.02
5) Phenol-d6	6.95	99	81271	7.44	ng	0.00
9) Nitrobenzene-d5	8.94	82	38009	3.25	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	28183	6.79	ng	0.00
17) 2-Fluorobiphenyl	13.01	172	101233	3.66	ng	-0.02
34) Terphenyl-d14	19.74	244	180996	4.32	ng	0.00
Target Compounds						
7) n-Nitroso-di-n-propylamine	8.91	70	4961	0.59	ng	# 87
18) Acenaphthylene	14.10	152	707	Below Cal	#	1
20) Acenaphthene	14.40	154	373	Below Cal	#	15
21) 2,4-Dinitrotoluene	14.40	165	12291	1.54	ng	# 1
23) 4-Chlorophenyl-phenylether	15.08	204	618	Below Cal	#	73
28) Phenanthrene	17.17	178	360	Below Cal	#	76
30) Fluoranthene	19.19	202	400	Below Cal		98
32) Benzidine	19.72	184	2713	0.21	ng	94
37) Chrysene	21.29	228	1320	Below Cal	#	64
38) Bis(2-ethylhexyl)phthalate	21.17	149	1102	0.04	ng	# 100

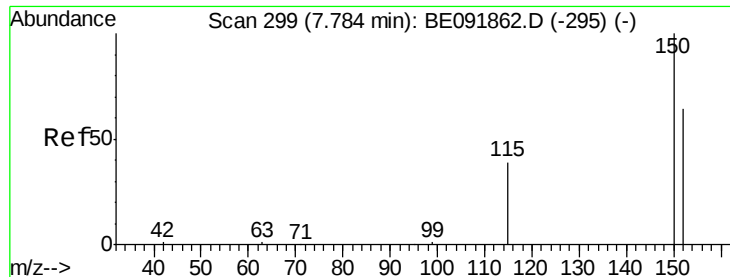
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA_E

ClientSampleId :

PB90774BL

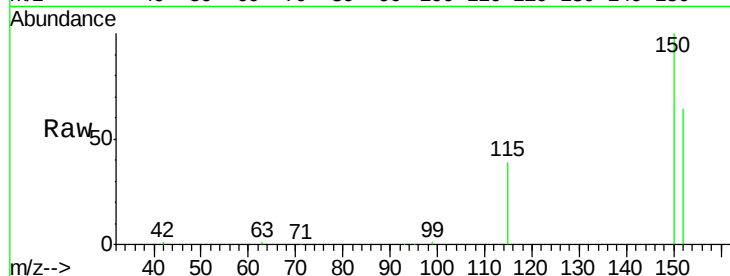
Tgt Ion:152 Resp: 29133

Ion Ratio Lower Upper

152 100

150 155.6 123.9 185.9

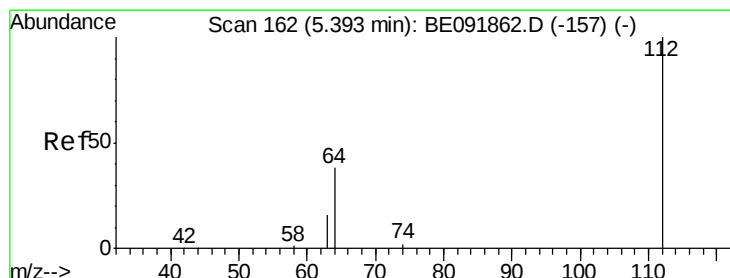
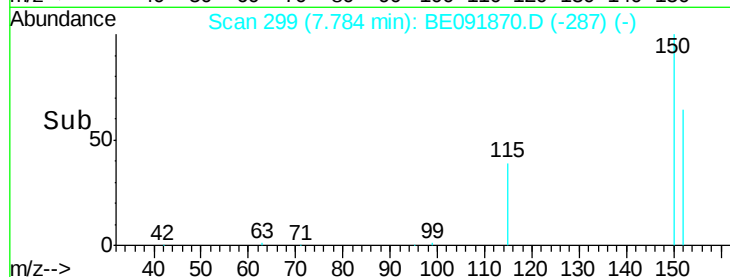
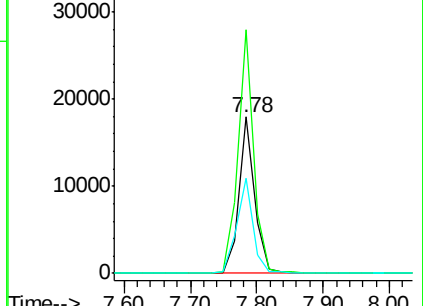
115 60.7 48.3 72.5



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: 6.46 ng

RT: 5.38 min Scan# 161

Delta R.T. -0.02 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

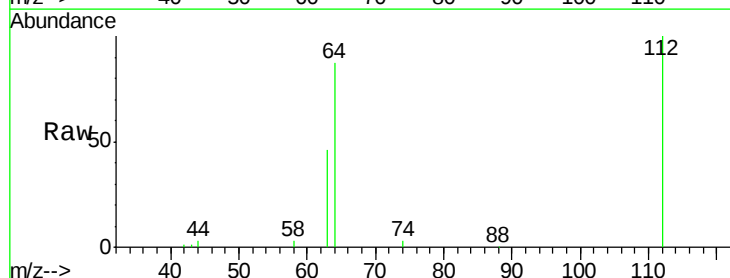
Tgt Ion:112 Resp: 53804

Ion Ratio Lower Upper

112 100

64 67.8 53.7 80.5

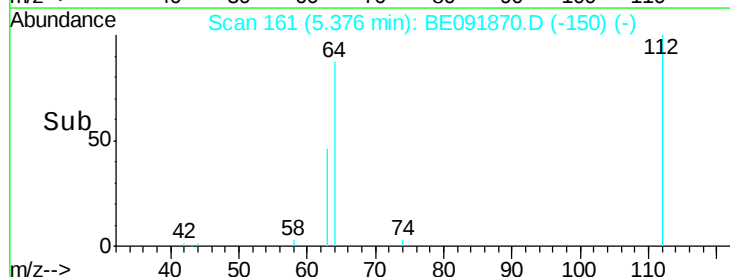
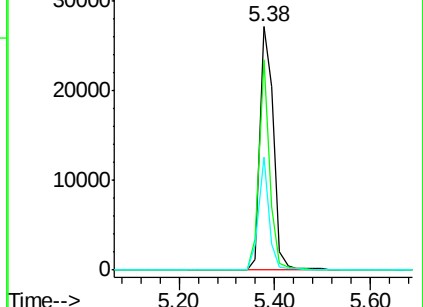
63 35.9 29.5 44.3

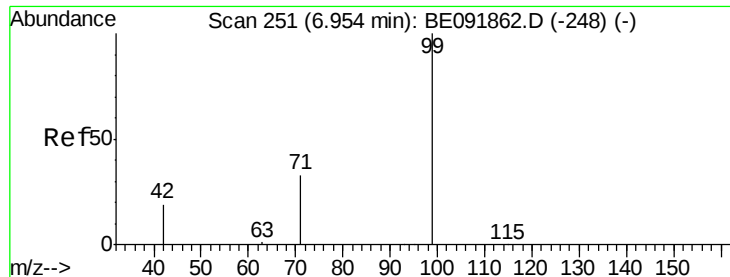


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.44 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA_E

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PB90774BL

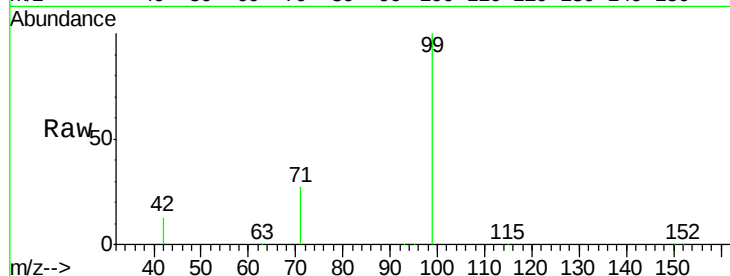
Tgt Ion: 99 Resp: 81271

Ion Ratio Lower Upper

99 100

42 23.0 19.6 29.4

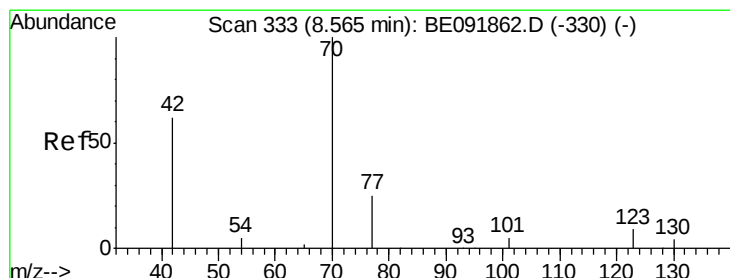
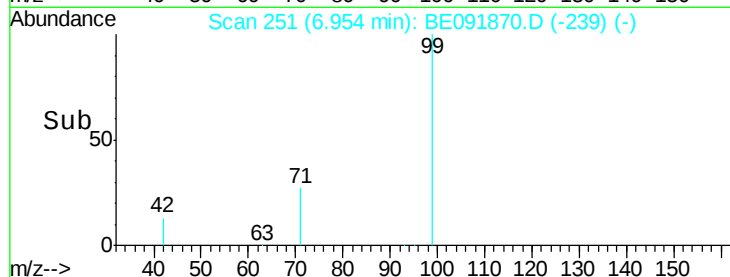
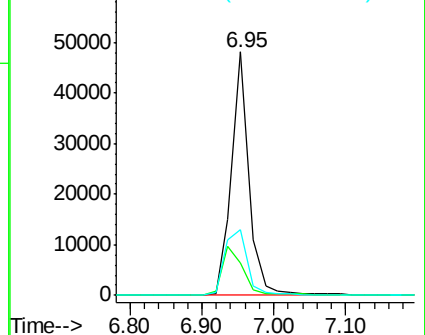
71 34.9 28.1 42.1



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



#7

n-Nitroso-di-n-propylamine

Concen: 0.59 ng

RT: 8.91 min Scan# 347

Delta R.T. 0.35 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Tgt Ion: 70 Resp: 4961

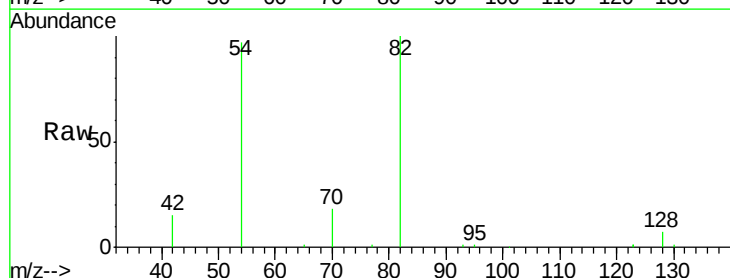
Ion Ratio Lower Upper

70 100

42 63.1 58.4 87.6

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

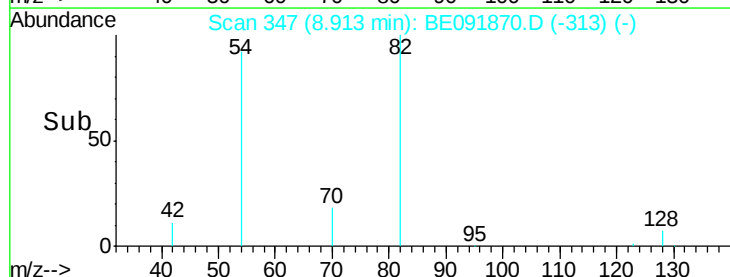
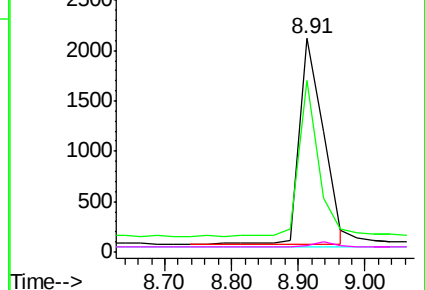


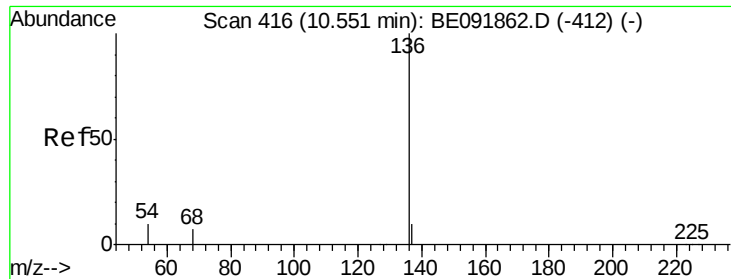
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0

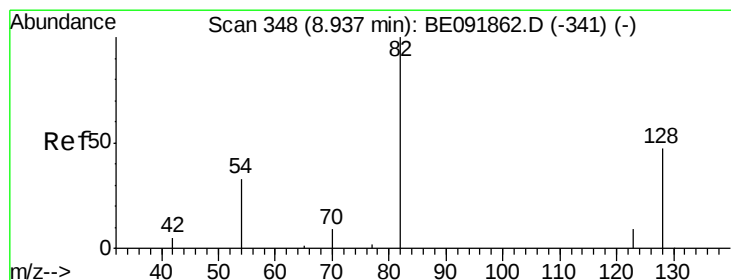
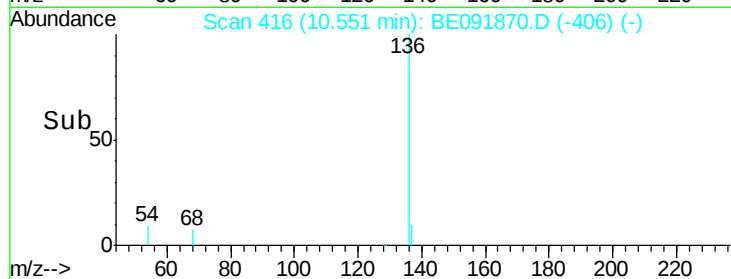
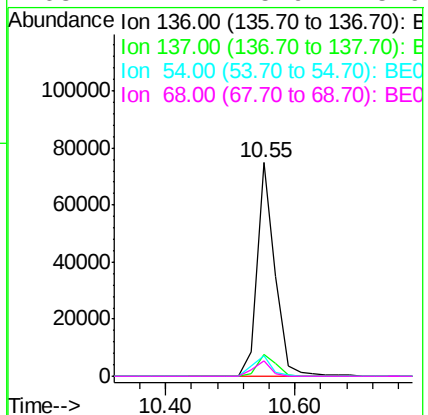
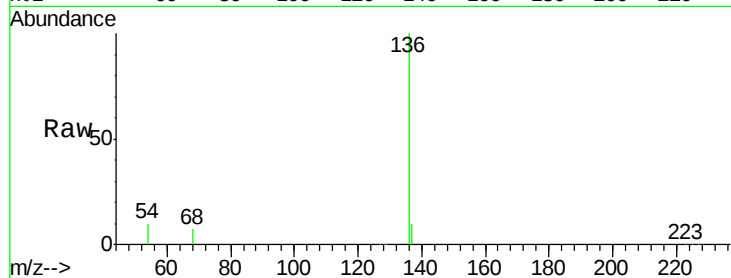




#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 416
Delta R.T. 0.00 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

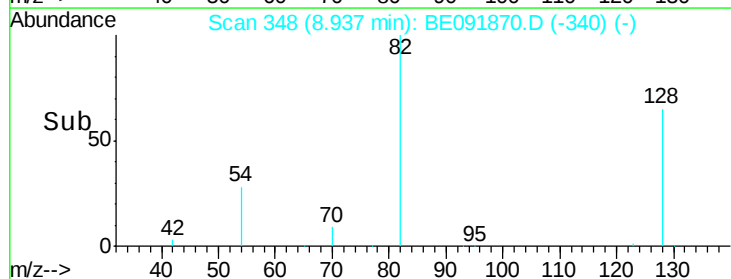
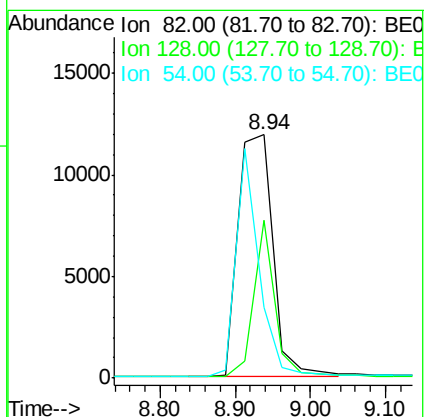
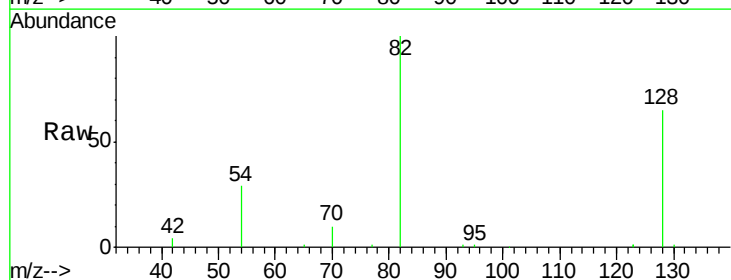
Instrument :
BNA_E
ClientSampleId :
PB90774BL

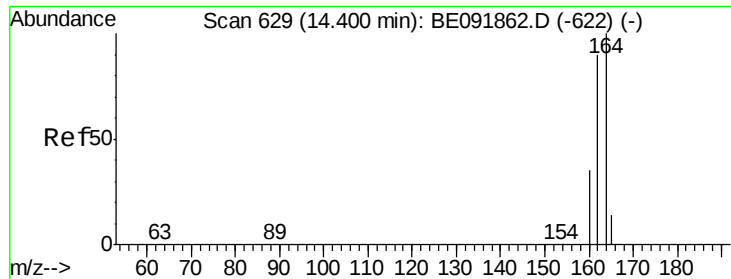
Tgt Ion:	136	Resp:	143810
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.3	12.5
54	9.6	8.2	12.4
68	7.1	5.9	8.9



#9
Nitrobenzene-d5
Concen: 3.25 ng
RT: 8.94 min Scan# 348
Delta R.T. 0.00 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

Tgt Ion:	82	Resp:	38009
Ion	Ratio	Lower	Upper
82	100		
128	64.7	39.5	59.3#
54	28.9	30.3	45.5#

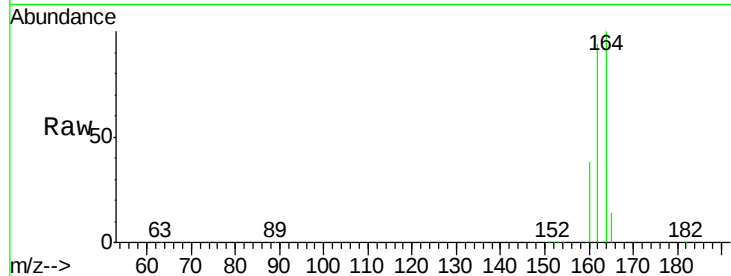




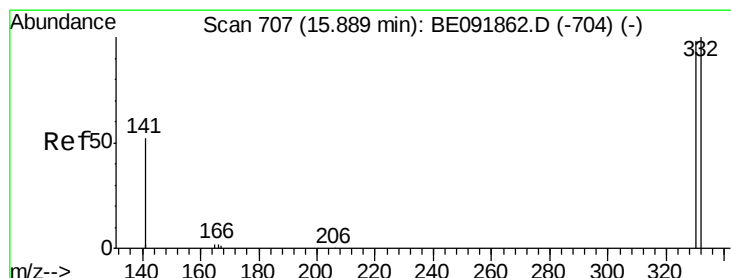
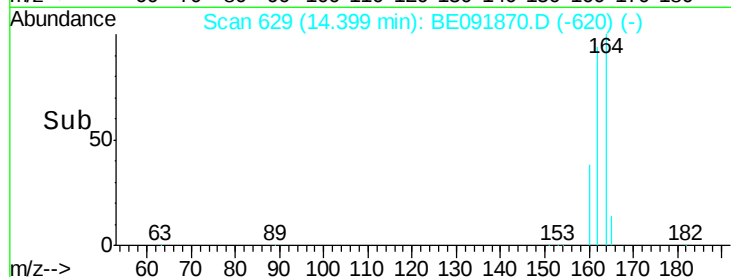
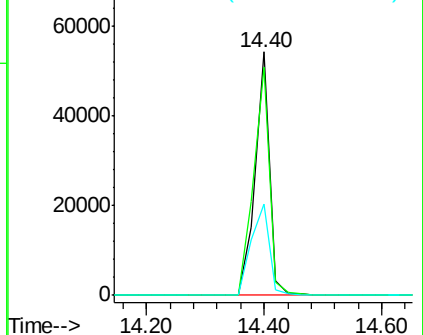
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 629
Delta R.T. -0.00 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

Instrument :
BNA_E
ClientSampleId :
PB90774BL

Tgt Ion:164 Resp: 93051
Ion Ratio Lower Upper
164 100
162 93.7 71.8 107.8
160 37.6 28.0 42.0

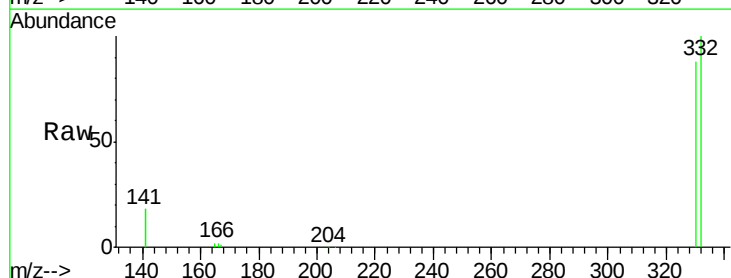


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

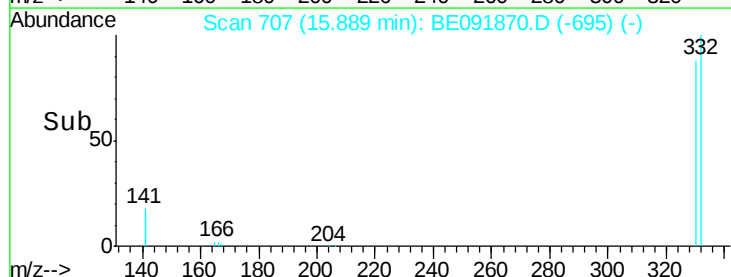
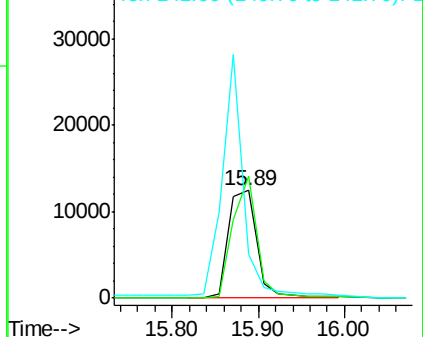


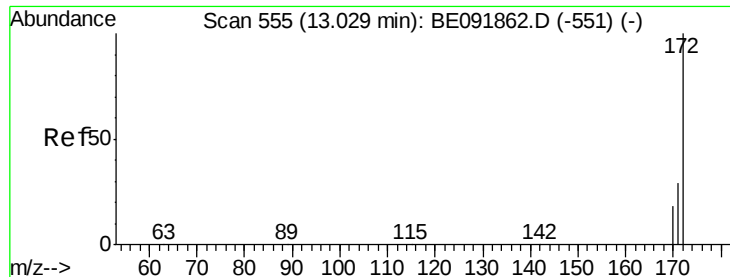
#16
2,4,6-Tribromophenol
Concen: 6.79 ng
RT: 15.89 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

Tgt Ion:330 Resp: 28183
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 165.5 138.4 207.6



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

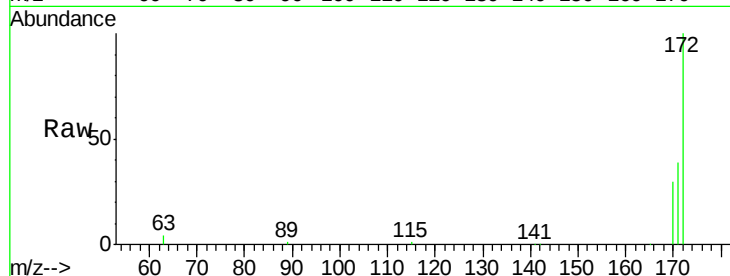




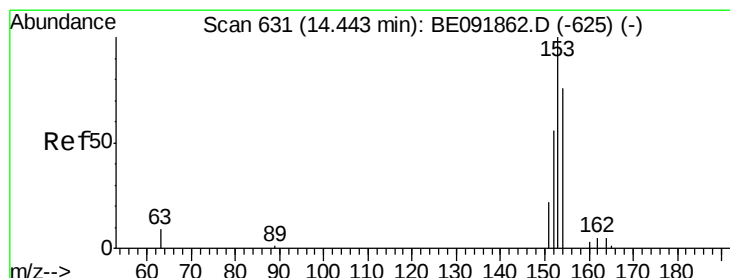
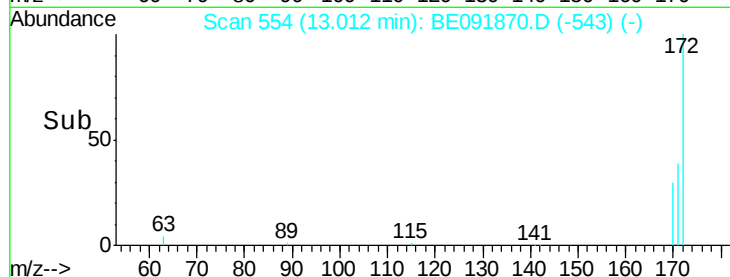
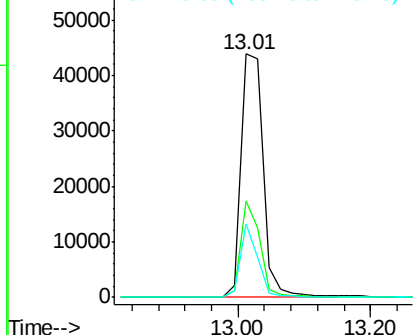
#17
2-Fluorobiphenyl
Concen: 3.66 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	24.3	36.5#
170	30.1	14.9	22.3#

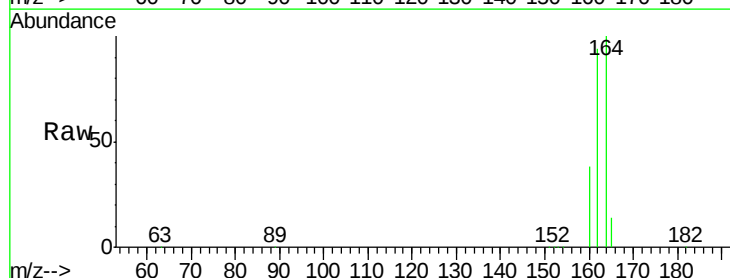


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

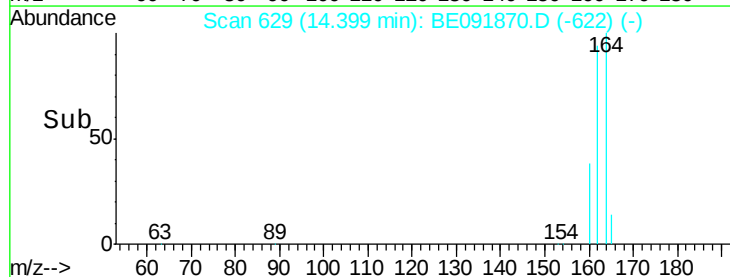
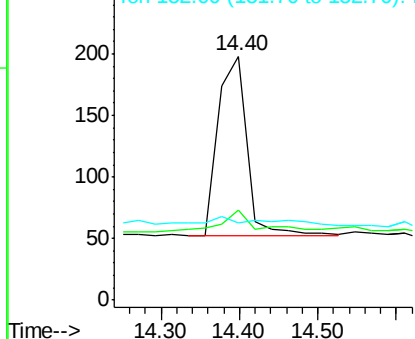


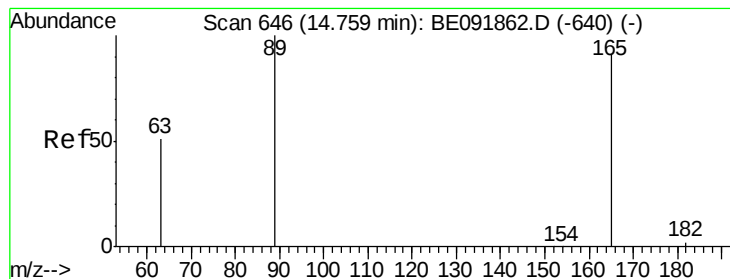
#20
Acenaphthene
Concen: Below Cal
RT: 14.40 min Scan# 629
Delta R.T. -0.04 min
Lab File: BE091870.D
Acq: 25 May 2016 22:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	16.1	88.1	132.1#
152	0.0	44.2	66.2#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 1.54 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.36 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA_E

ClientSampleId :

PB90774BL

Tgt Ion:165 Resp: 12291

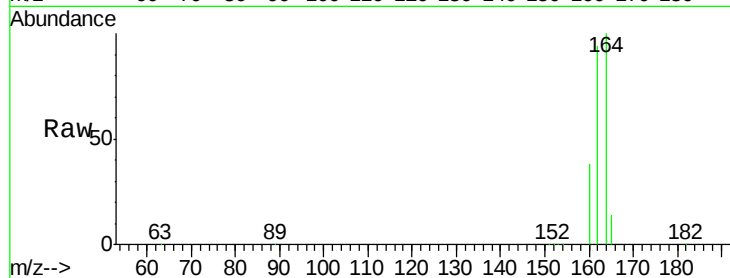
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

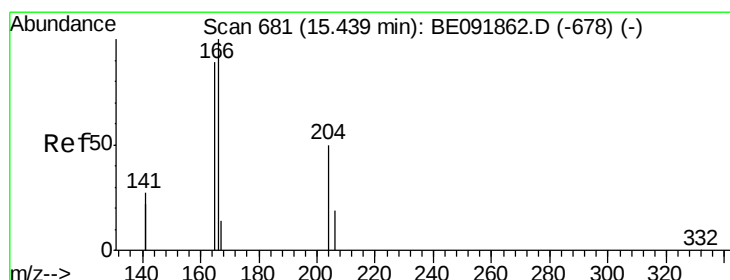
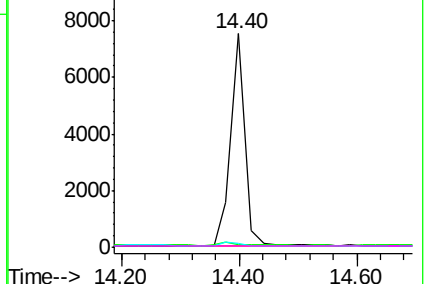
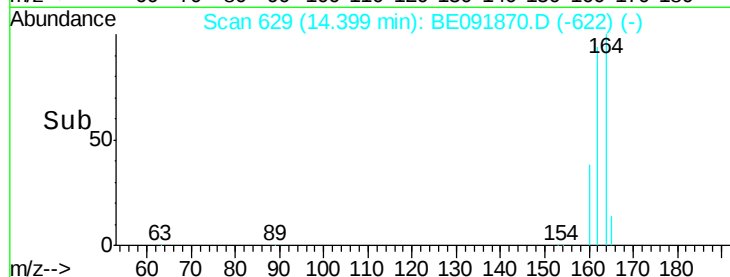


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#23

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 15.08 min Scan# 660

Delta R.T. -0.36 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

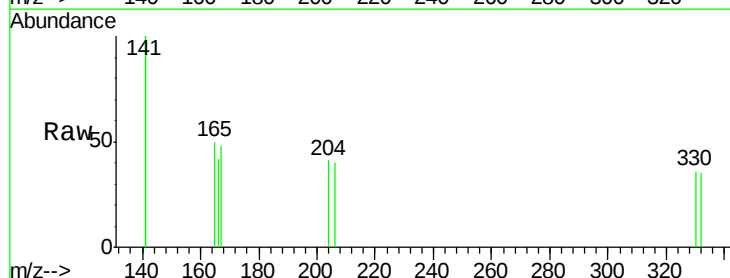
Tgt Ion:204 Resp: 618

Ion Ratio Lower Upper

204 100

206 0.0 27.8 41.6#

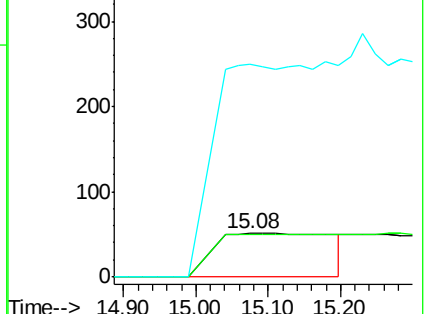
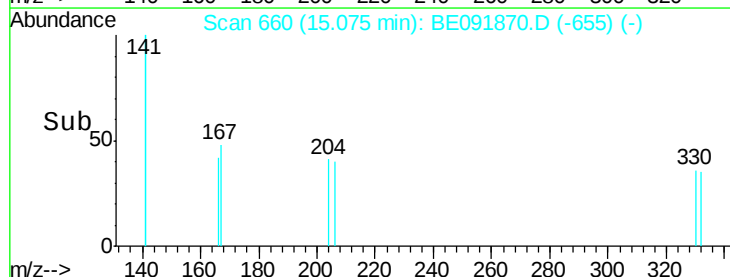
141 286.2 197.6 296.4

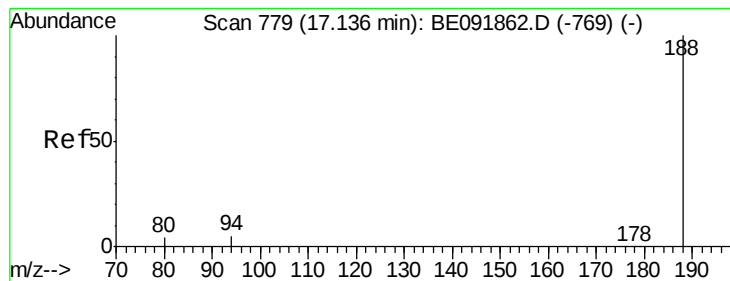


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA_E

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PB90774BL

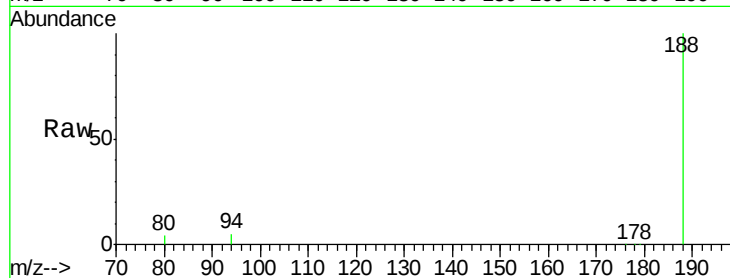
Tgt Ion:188 Resp: 265547

Ion Ratio Lower Upper

188 100

94 5.3 4.1 6.1

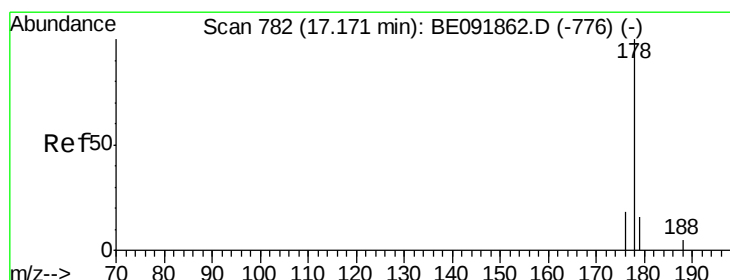
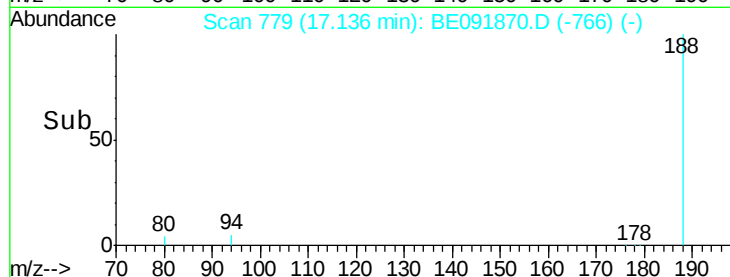
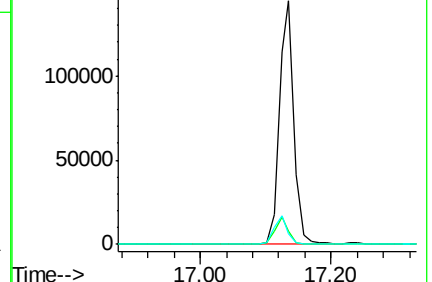
80 4.5 3.4 5.2



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



#28

Phenanthrene

Concen: Below Cal

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

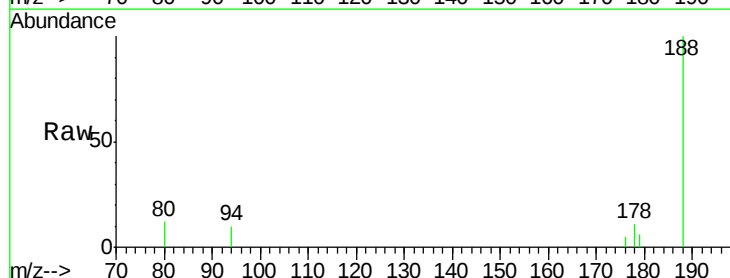
Tgt Ion:178 Resp: 360

Ion Ratio Lower Upper

178 100

176 13.3 15.4 23.2#

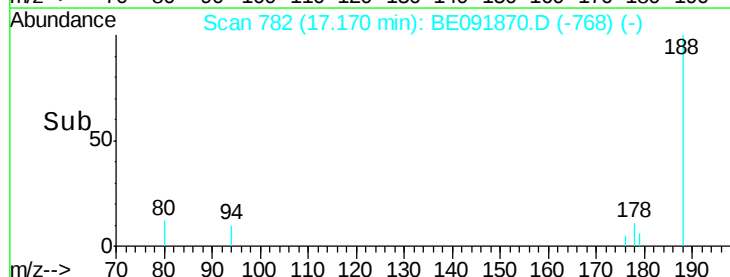
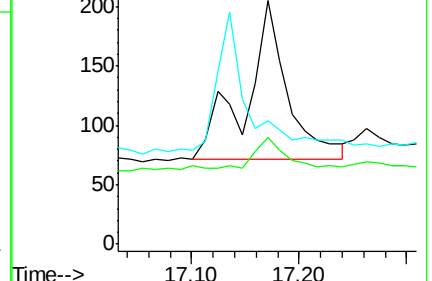
179 0.0 12.9 19.3#

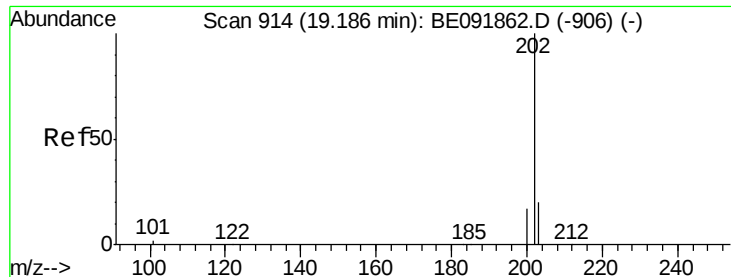


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

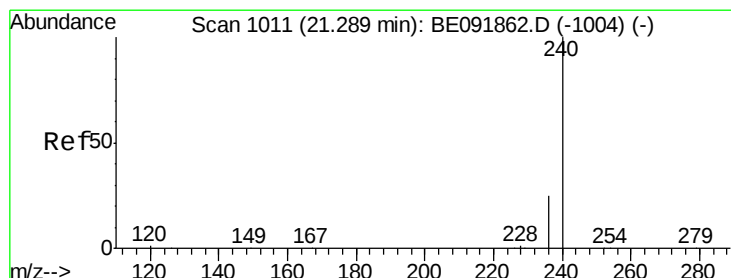
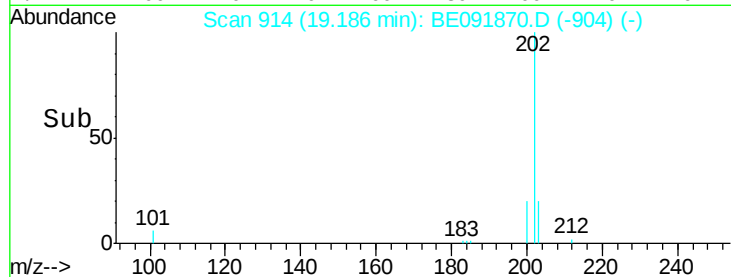
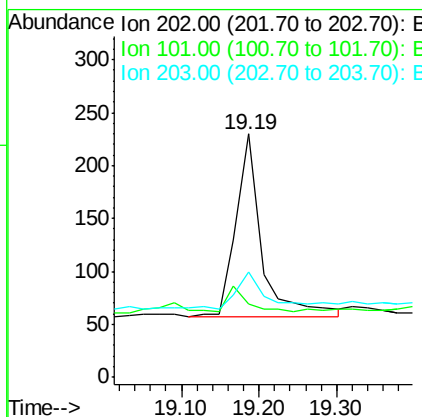
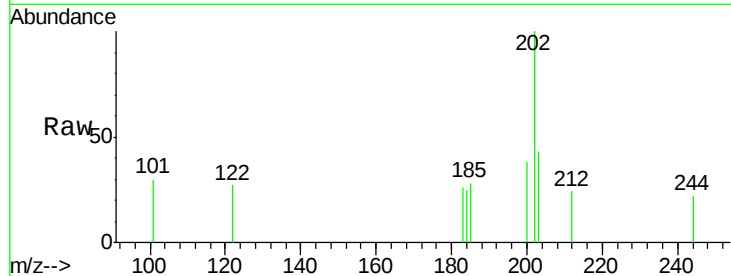




#30
 Fluoranthene
 Concen: Below Cal
 RT: 19.19 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BE091870.D
 Acq: 25 May 2016 22:19

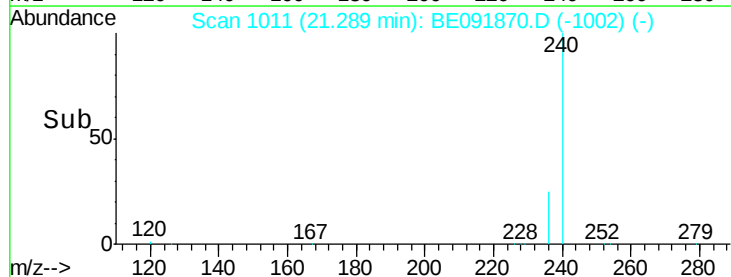
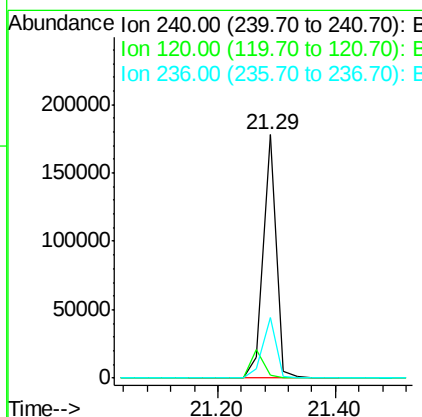
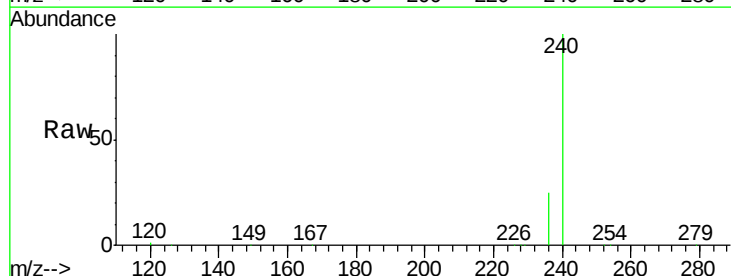
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BL

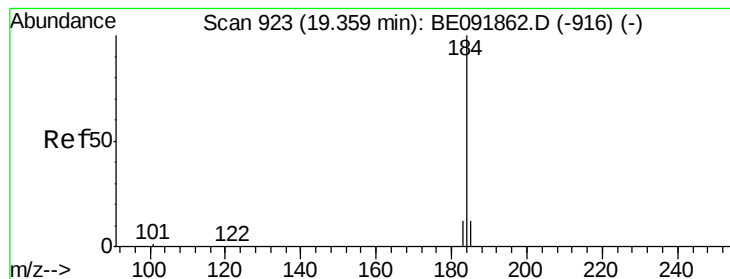
Tgt Ion: 202 Resp: 400
 Ion Ratio Lower Upper
 202 100
 101 11.5 9.4 14.0
 203 19.3 14.3 21.5



#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BE091870.D
 Acq: 25 May 2016 22:19

Tgt Ion: 240 Resp: 277678
 Ion Ratio Lower Upper
 240 100
 120 1.4 1.2 1.8
 236 24.7 19.8 29.8





#32

Benzidine

Concen: 0.21 ng

RT: 19.72 min Scan# 942

Delta R.T. 0.37 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

Instrument :

BNA_E

ClientSampleId :

PB90774BL

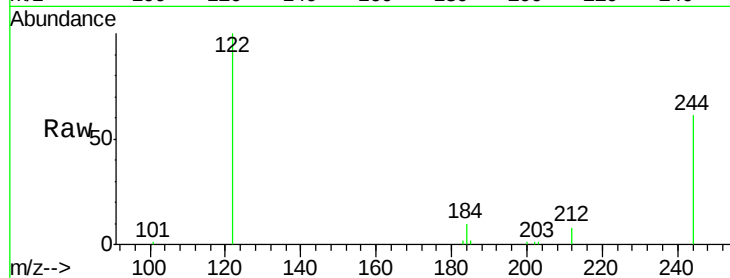
Tgt Ion:184 Resp: 2713

Ion Ratio Lower Upper

184 100

185 16.5 11.4 17.2

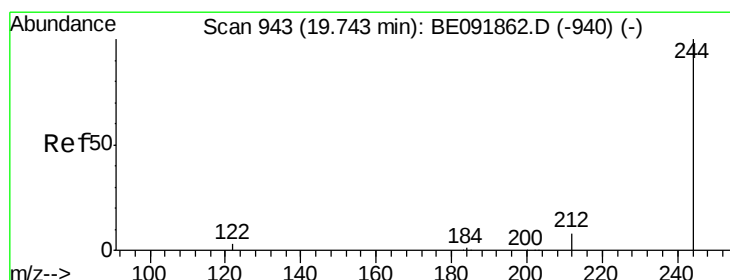
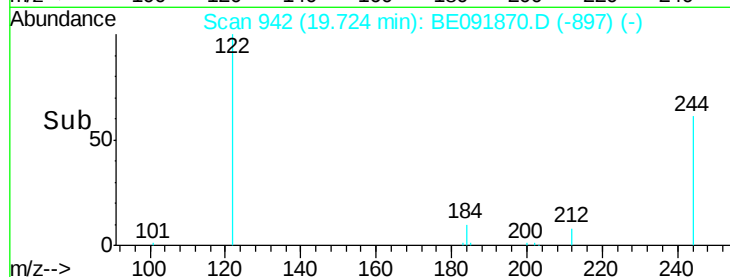
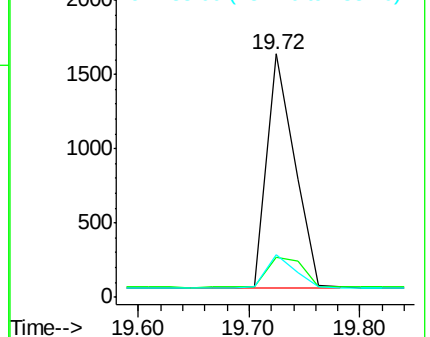
183 17.3 11.8 17.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#34

Terphenyl-d14

Concen: 4.32 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091870.D

Acq: 25 May 2016 22:19

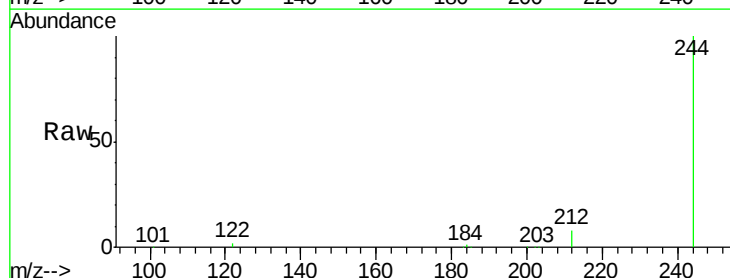
Tgt Ion:244 Resp: 180996

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

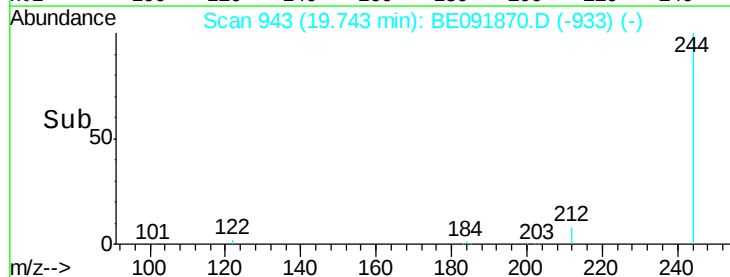
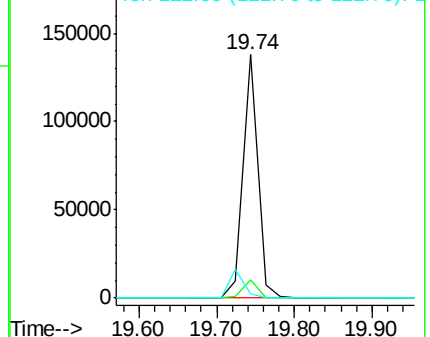
122 1.8 2.9 4.3#

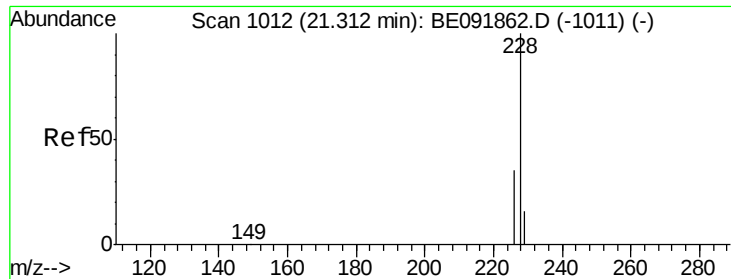


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

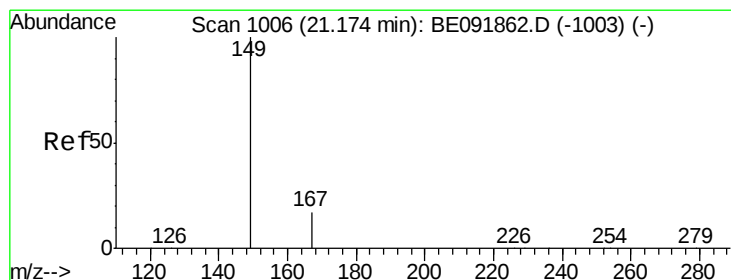
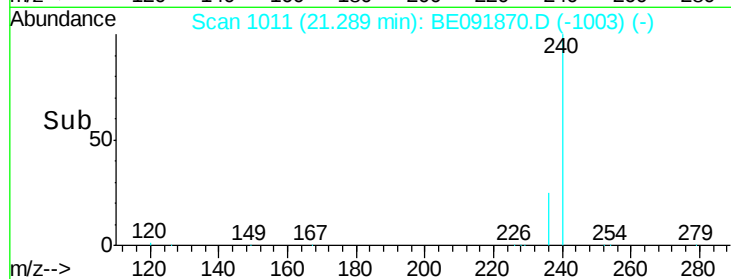
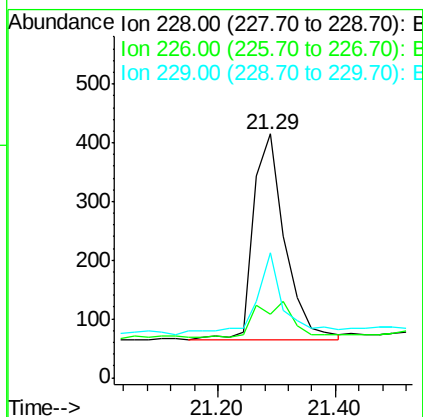
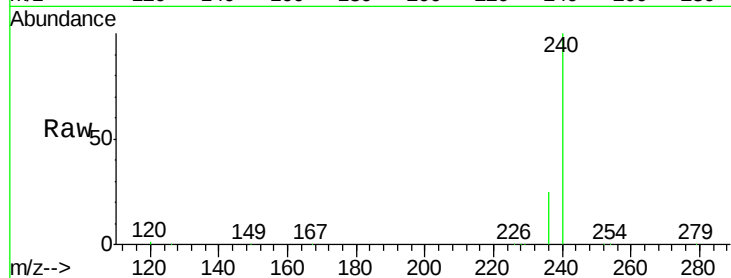




#37
 Chrysene
 Concen: Below Cal
 RT: 21.29 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BE091870.D
 Acq: 25 May 2016 22:19

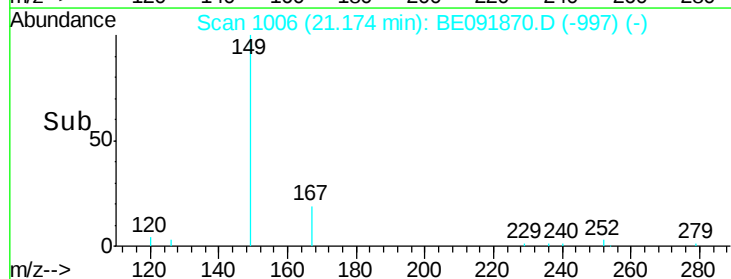
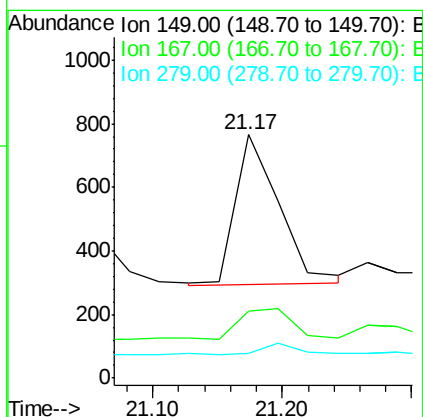
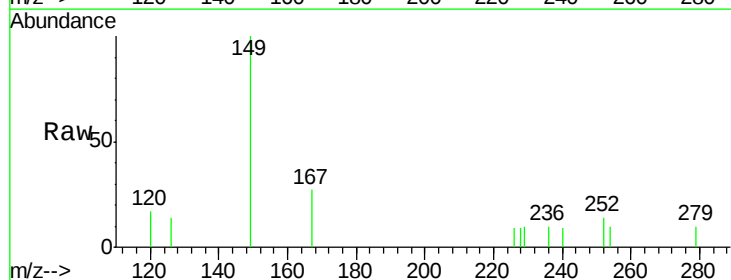
Instrument :
 BNA_E
 ClientSampled :
 PB90774BL

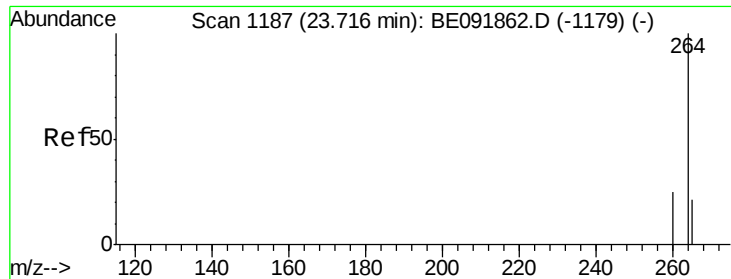
Tgt Ion: 228 Resp: 1320
 Ion Ratio Lower Upper
 228 100
 226 25.8 27.0 40.6#
 229 51.3 13.8 20.8#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.04 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BE091870.D
 Acq: 25 May 2016 22:19

Tgt Ion: 149 Resp: 1102
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0





#40

Perylene-d12

Concen: 5.00 ng

RT: 23.72 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BE091870.D

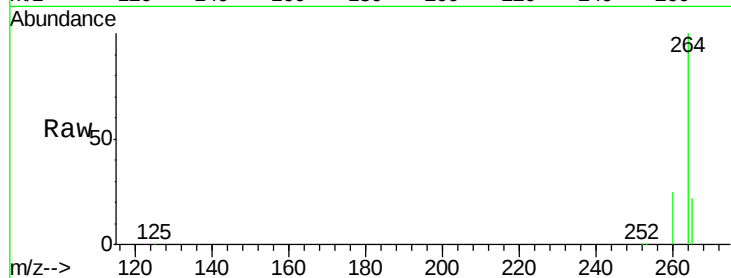
Acq: 25 May 2016 22:19

Instrument :

BNA_E

ClientSampleId :

PB90774BL



Tgt Ion: 264 Resp: 251238

Ion Ratio Lower Upper

264 100

260 25.1 20.3 30.5

265 22.0 17.6 26.4

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

