

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092152.D
 Acq On : 3 Aug 2016 19:29
 Operator : UM/SJ
 Sample : H4176-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-28-6.3-15.0

Quant Time: Aug 04 03:57:07 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

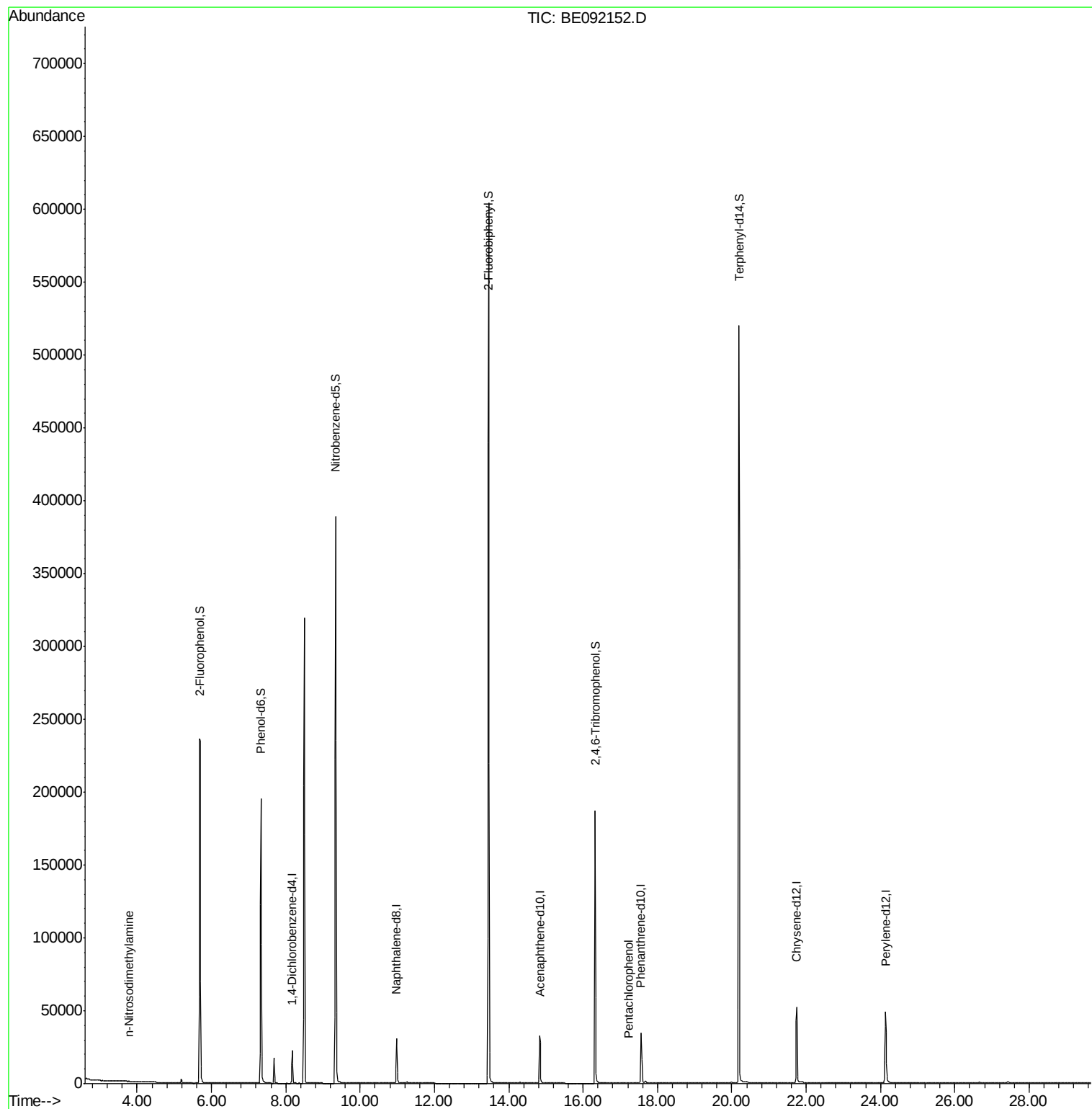
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11446	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	50072	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	26166	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	57887	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	74585	5.00	ng	0.00
28) Perylene-d12	24.14	264	77591	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	209167	71.16	ng	0.00
5) Phenol-d6	7.34	99	196643	50.21	ng	-0.01
7) Nitrobenzene-d5	9.34	82	335699	84.97	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	122042	143.64	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	609685	73.53	ng	0.00
24) Terphenyl-d14	20.19	244	763738	71.30	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.77	42	29	0.10	ng	# 6
8) Naphthalene	11.03	128	41	Below Cal	#	1
18) Pentachlorophenol	17.24	266	30	0.22	ng	# 79
19) Phenanthrene	17.60	178	177	Below Cal	#	82
30) Benzo(k)fluoranthene	23.46	252	65	Below Cal	#	1

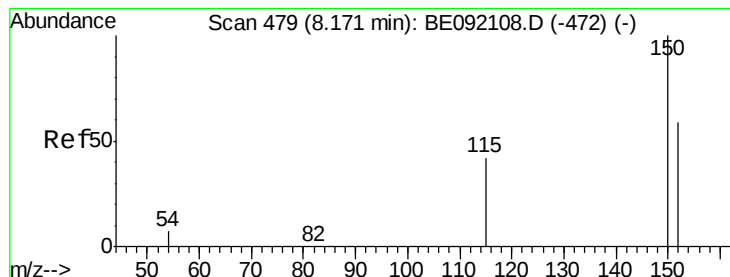
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092152.D

Acq: 3 Aug 2016 19:29

Instrument :

BNA_E

ClientSampleId :

GW-28-6.3-15.0

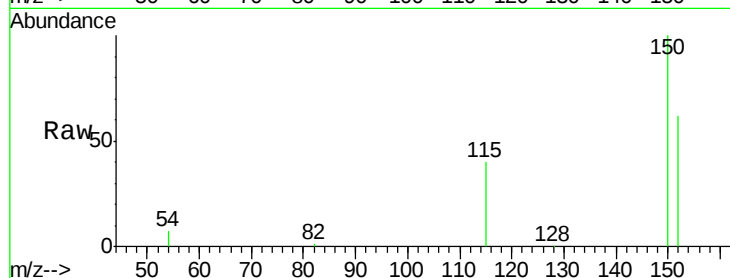
Tgt Ion:152 Resp: 11446

Ion Ratio Lower Upper

152 100

150 161.0 106.0 159.0#

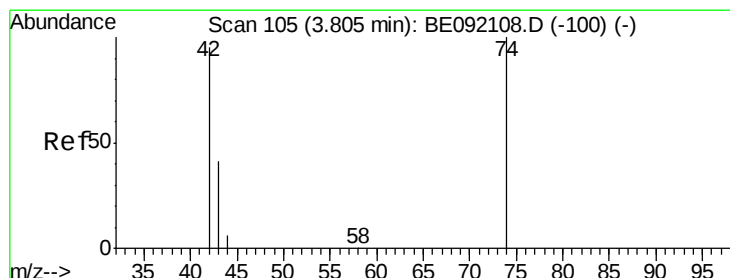
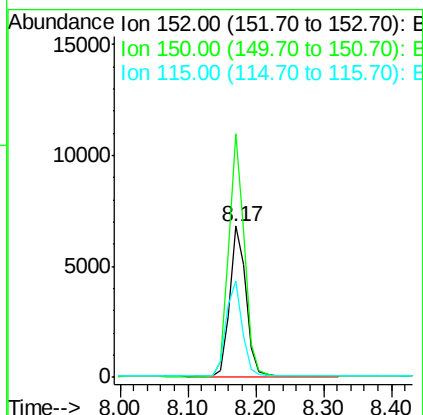
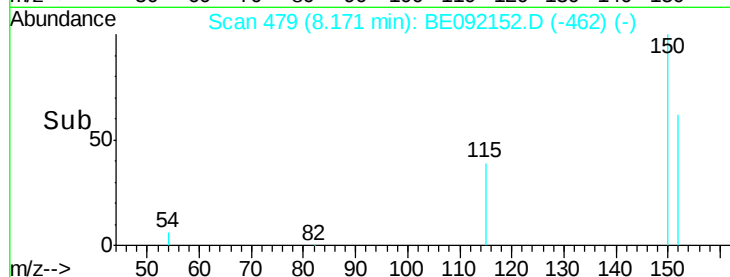
115 63.9 36.9 55.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092152.D

Acq: 3 Aug 2016 19:29

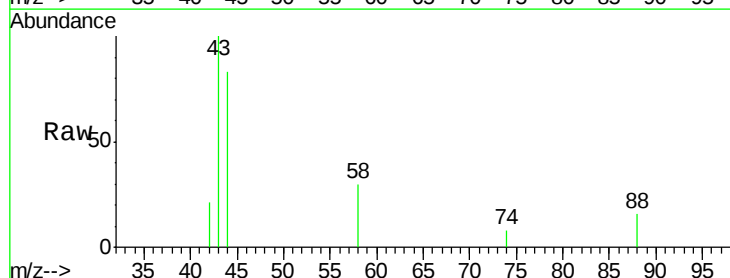
Tgt Ion: 42 Resp: 29

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

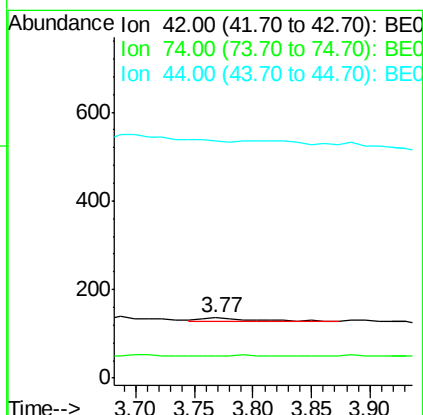
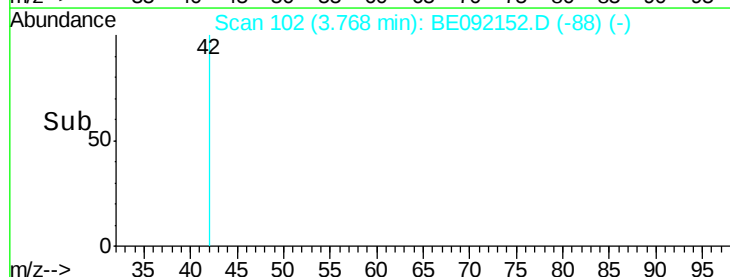
44 0.0 9.0 13.4#

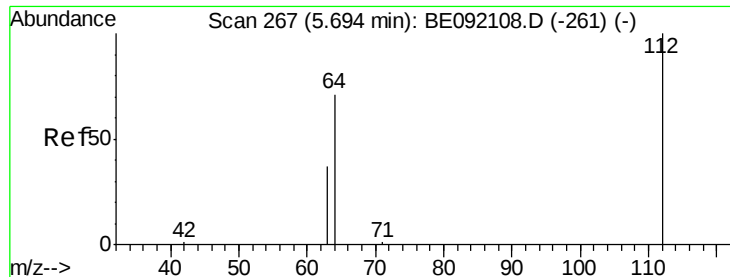


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 71.16 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092152.D

Acq: 3 Aug 2016 19:29

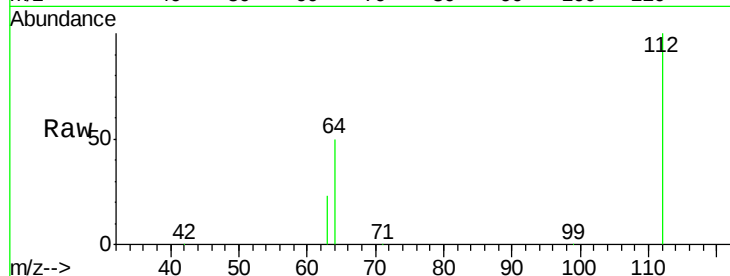
Instrument :

BNA_E

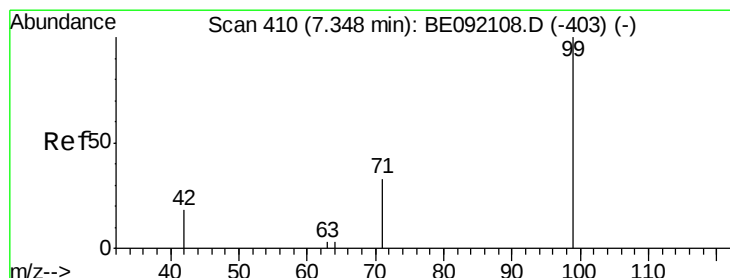
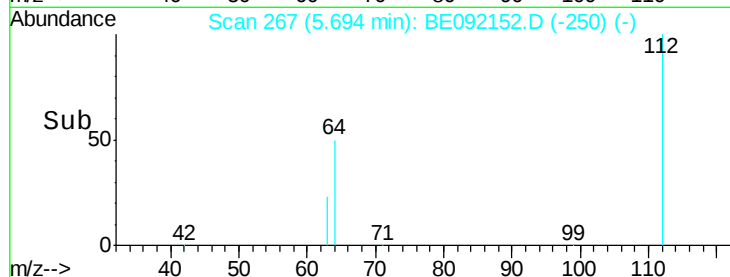
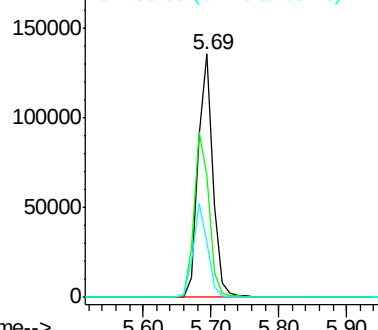
ClientSampleId :

GW-28-6.3-15.0

Tgt Ion:	112	Resp:	209167
Ion	Ratio	Lower	Upper
112	100		
64	68.9	55.9	83.9
63	37.5	31.1	46.7



Abundance Ion 112.00 (111.70 to 112.70): BE092108.D (-261) (-)



#5

Phenol-d6

Concen: 50.21 ng

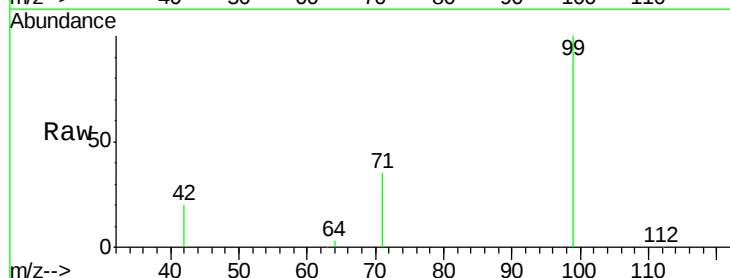
RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

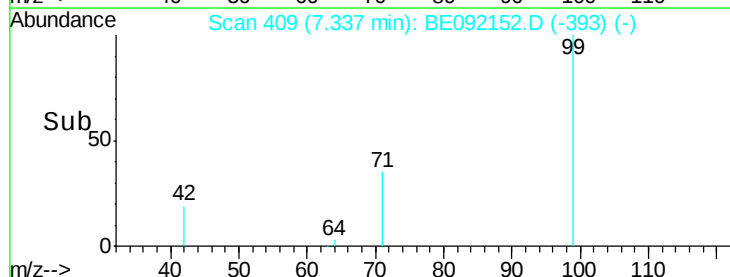
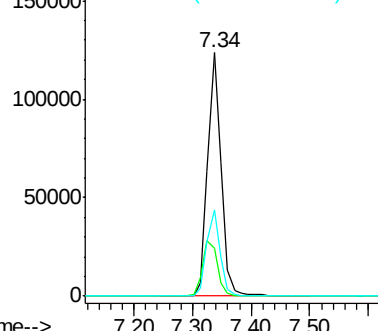
Lab File: BE092152.D

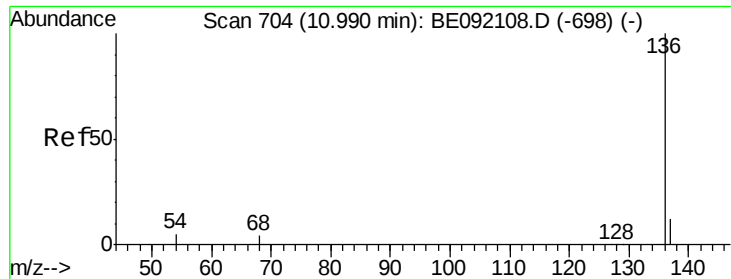
Acq: 3 Aug 2016 19:29

Tgt Ion:	99	Resp:	196643
Ion	Ratio	Lower	Upper
99	100		
42	25.2	22.4	33.6
71	35.7	28.9	43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

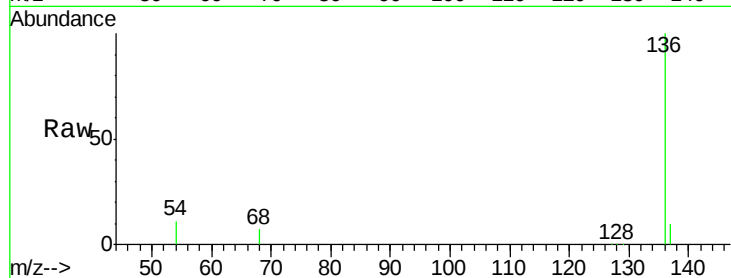




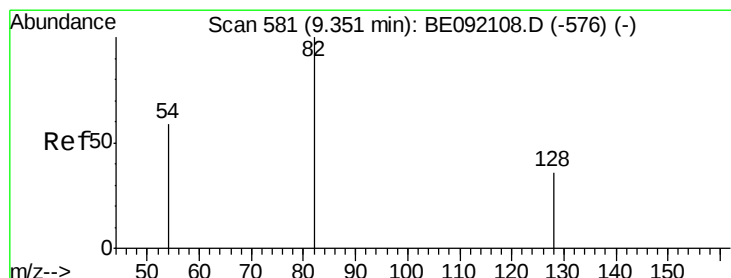
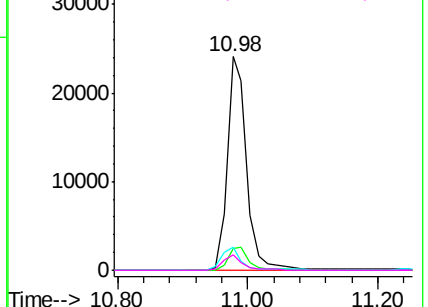
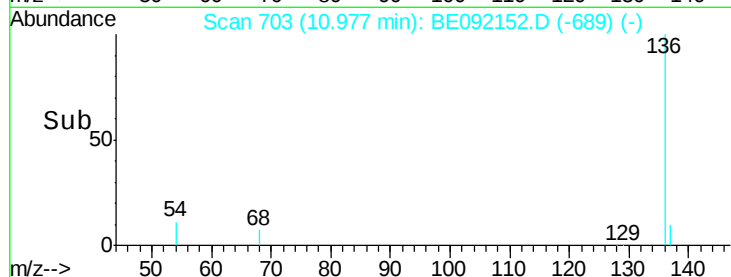
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

Instrument :
BNA_E
ClientSampleId :
GW-28-6.3-15.0

Tgt Ion: 136 Resp: 50072
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 10.9 2.7 4.1#
68 7.4 2.2 3.4#

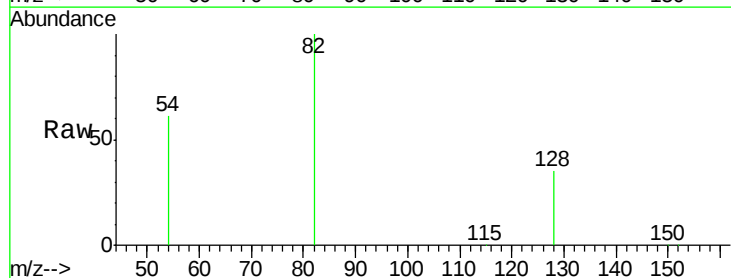


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

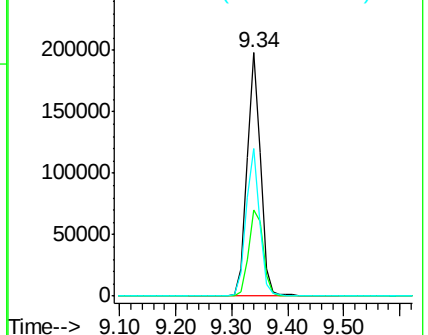
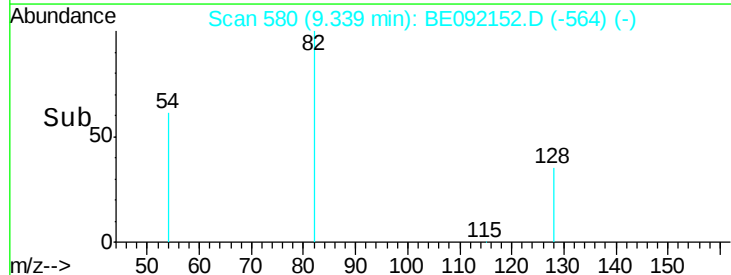


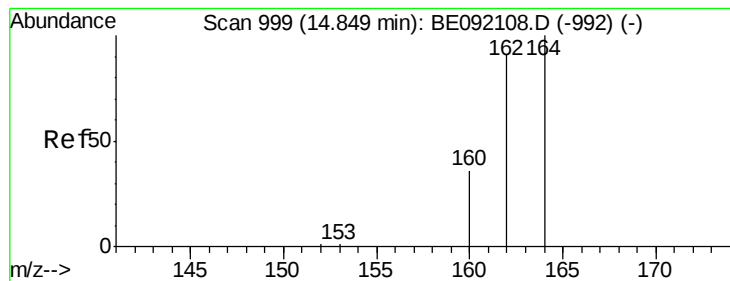
#7
Nitrobenzene-d5
Concen: 84.97 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

Tgt Ion: 82 Resp: 335699
Ion Ratio Lower Upper
82 100
128 35.5 33.0 49.4
54 60.8 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.85 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092152.D

Acq: 3 Aug 2016 19:29

Instrument :

BNA_E

ClientSampleId :

GW-28-6.3-15.0

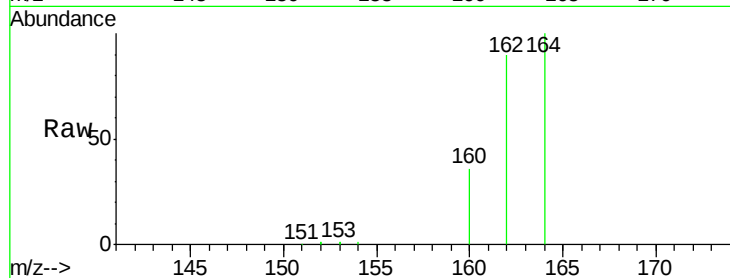
Tgt Ion:164 Resp: 26166

Ion Ratio Lower Upper

164 100

162 89.9 69.5 104.3

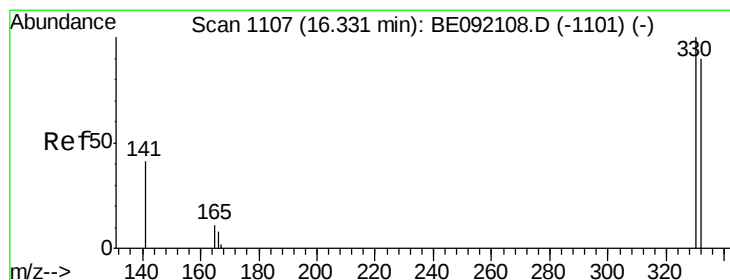
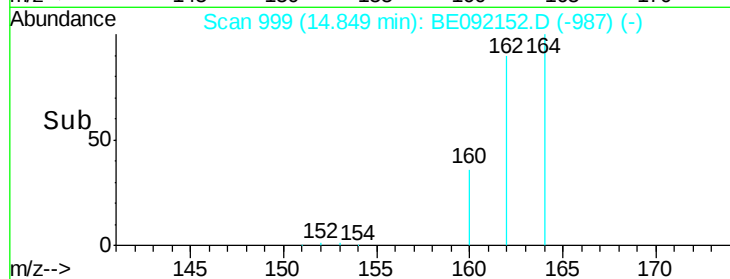
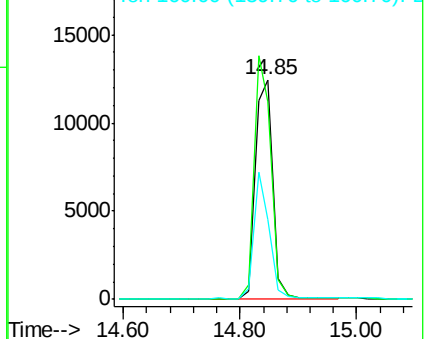
160 36.1 27.6 41.4



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



#11

2,4,6-Tribromophenol

Concen: 143.64 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092152.D

Acq: 3 Aug 2016 19:29

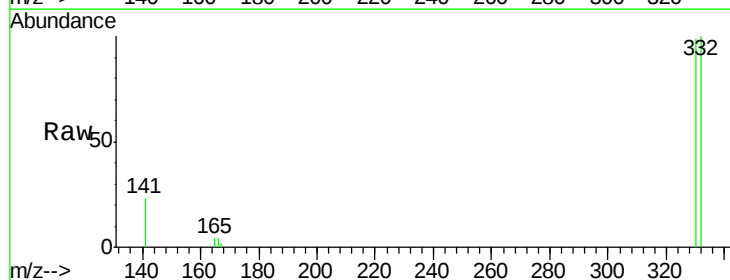
Tgt Ion:330 Resp: 122042

Ion Ratio Lower Upper

330 100

332 96.4 74.2 111.4

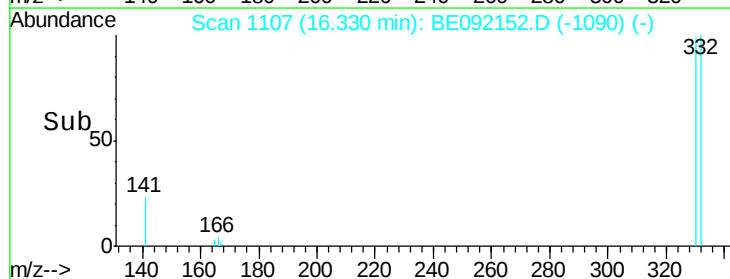
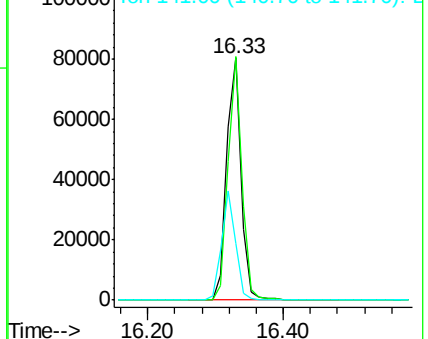
141 43.6 139.8 209.8#

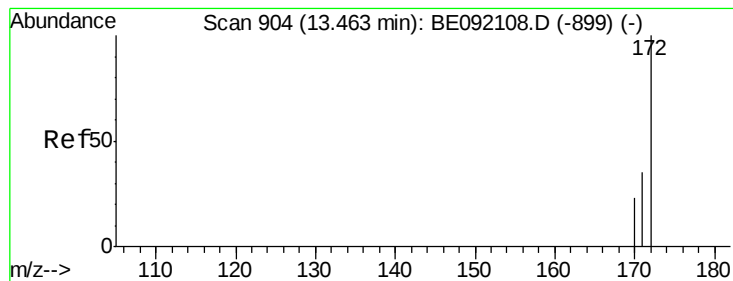


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

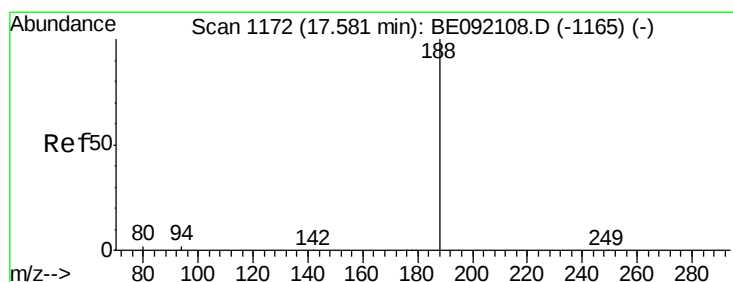
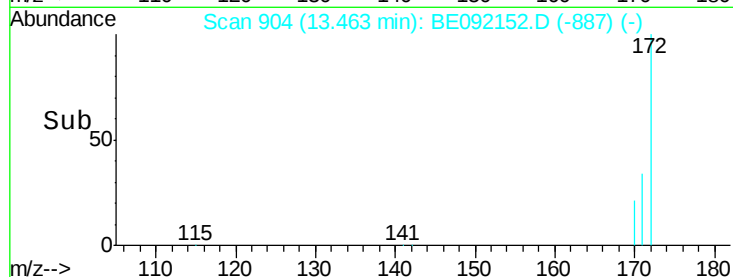
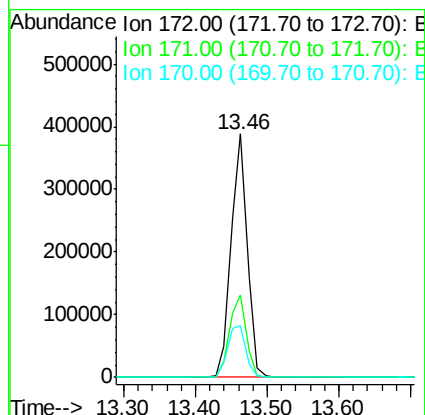
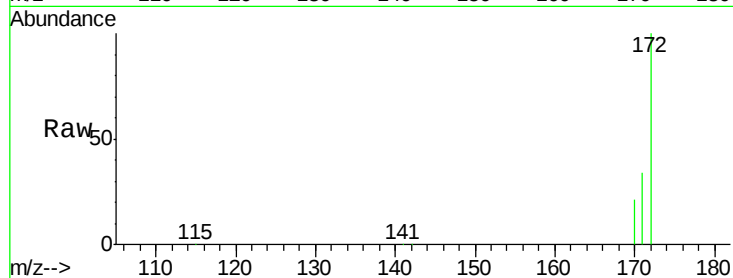




#12
2-Fluorobiphenyl
Concen: 73.53 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

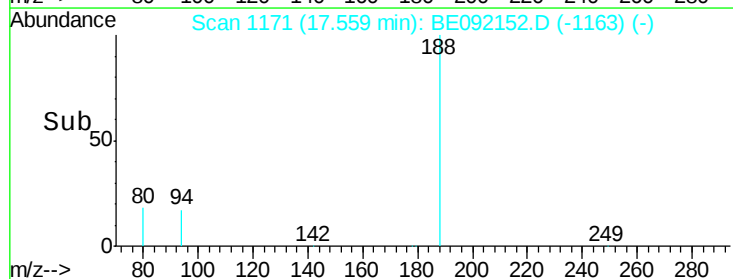
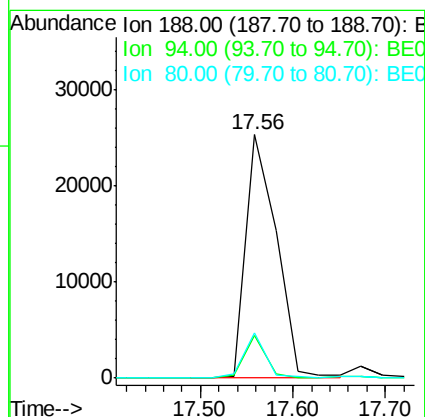
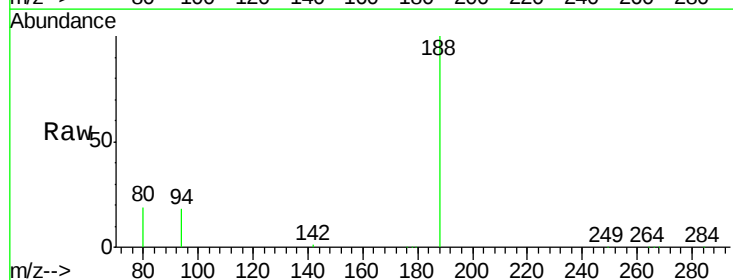
Instrument :
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GW-28-6.3-15.0

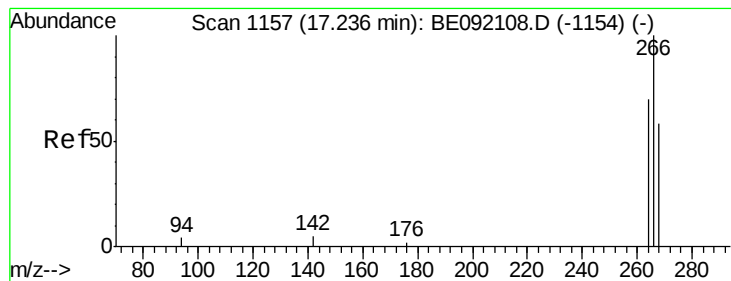
Tgt Ion:172 Resp: 609685
Ion Ratio Lower Upper
172 100
171 33.8 30.3 45.5
170 21.4 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

Tgt Ion:188 Resp: 57887
Ion Ratio Lower Upper
188 100
94 17.6 3.9 5.9#
80 18.6 3.4 5.0#

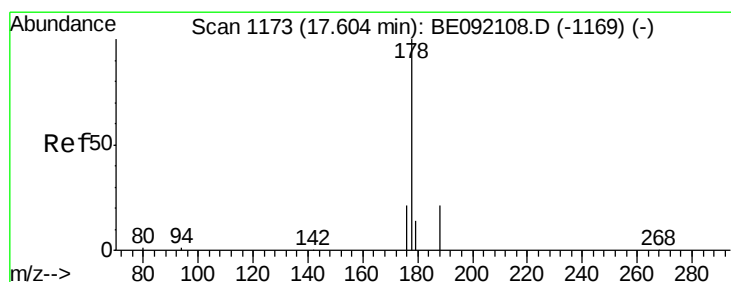
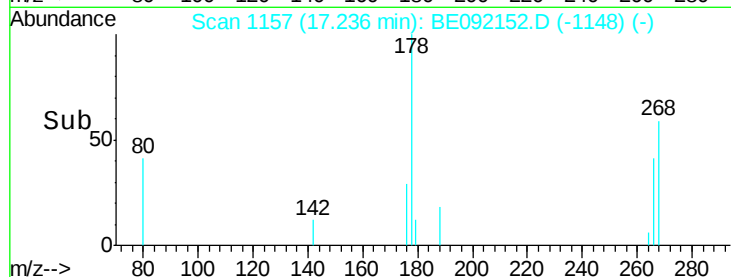
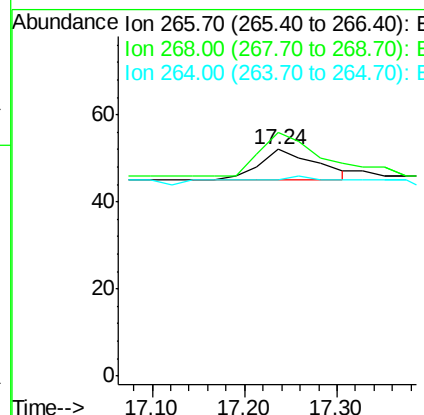
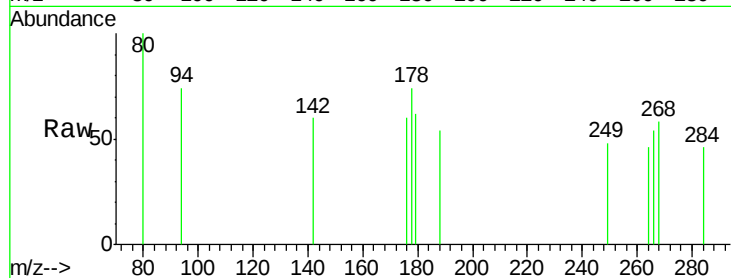




#18
 Pentachlorophenol
 Concen: 0.22 ng
 RT: 17.24 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BE092152.D
 Acq: 3 Aug 2016 19:29

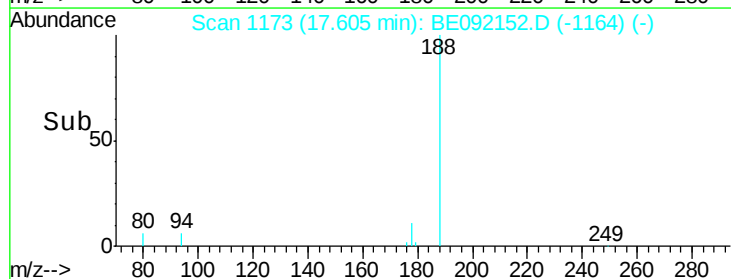
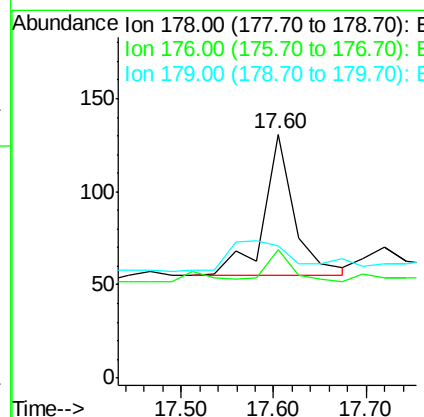
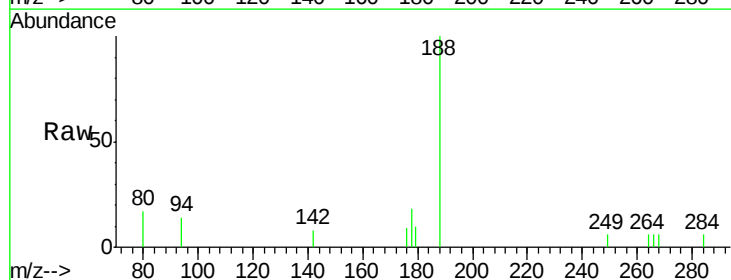
Instrument :
 BNA_E
 ClientSampleId :
 GW-28-6.3-15.0

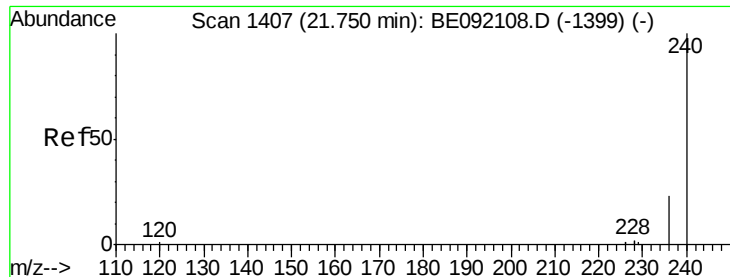
Tgt Ion: 266 Resp: 30
 Ion Ratio Lower Upper
 266 100
 268 107.7 62.7 94.1#
 264 86.5 63.5 95.3



#19
 Phenanthrene
 Concen: Below Cal
 RT: 17.60 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BE092152.D
 Acq: 3 Aug 2016 19:29

Tgt Ion: 178 Resp: 177
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 0.0 12.7 19.1#

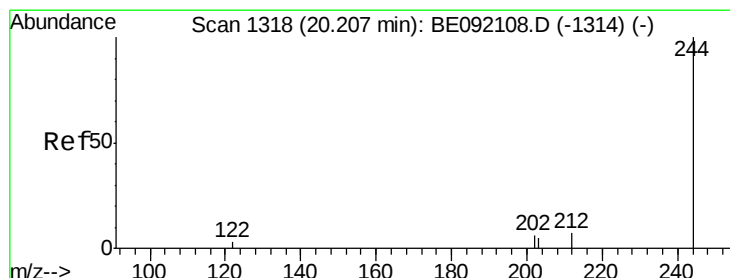
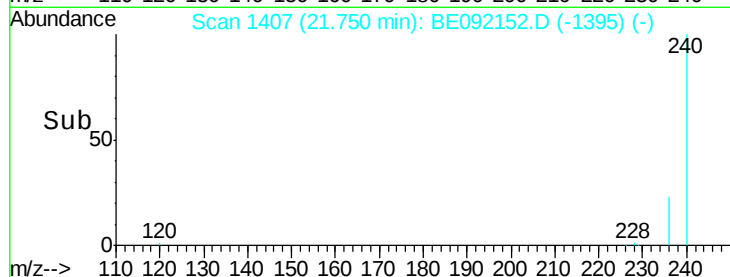
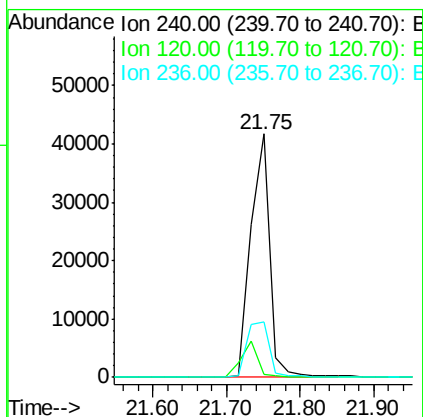
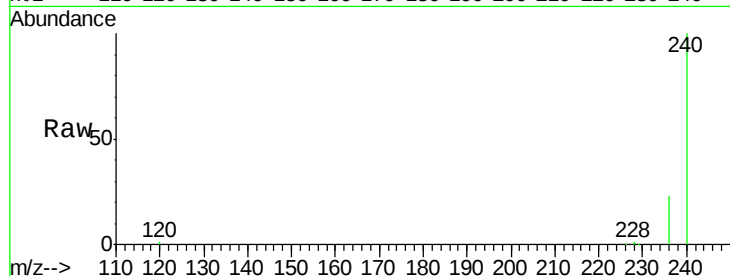




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

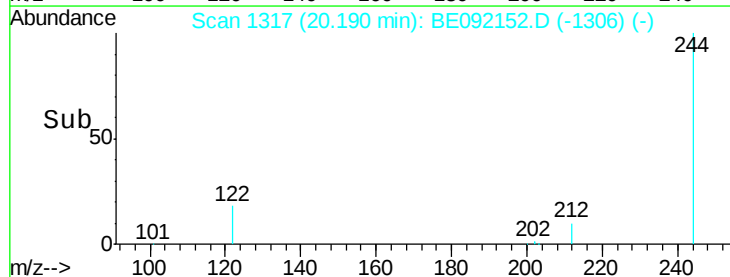
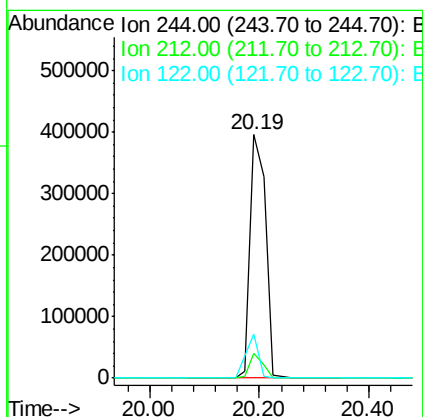
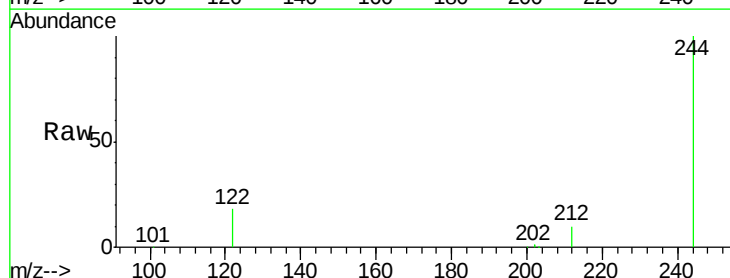
Instrument :
BNA_E
ClientSampleId :
GW-28-6.3-15.0

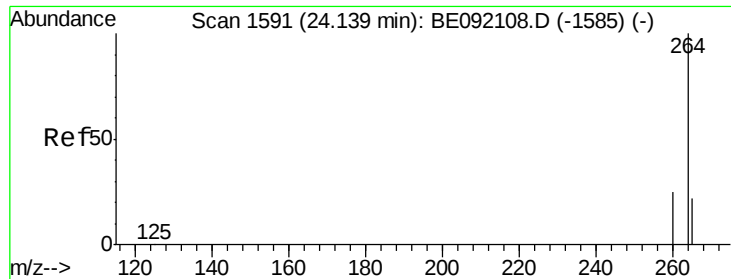
Tgt Ion:240 Resp: 74585
Ion Ratio Lower Upper
240 100
120 1.5 0.6 1.0#
236 22.7 18.2 27.4



#24
Terphenyl-d14
Concen: 71.30 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092152.D
Acq: 3 Aug 2016 19:29

Tgt Ion:244 Resp: 763738
Ion Ratio Lower Upper
244 100
212 10.2 9.1 13.7
122 17.9 11.0 16.4#





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092152.D

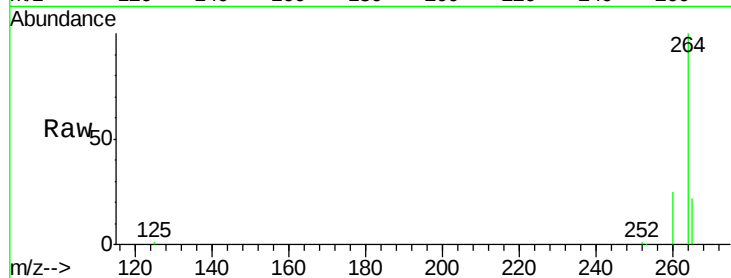
Acq: 3 Aug 2016 19:29

Instrument :

BNA_E

ClientSampleId :

GW-28-6.3-15.0



Tgt Ion: 264 Resp: 77591

Ion Ratio Lower Upper

264 100

260 25.1 20.8 31.2

265 22.0 16.6 25.0

