

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
 Data File : BE092839.D
 Acq On : 28 Mar 2017 16:39
 Operator : SJ/MA
 Sample : I2194-05 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Quant Time: Mar 28 17:15:05 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 14:58:05 2017
 Response via : Initial Calibration

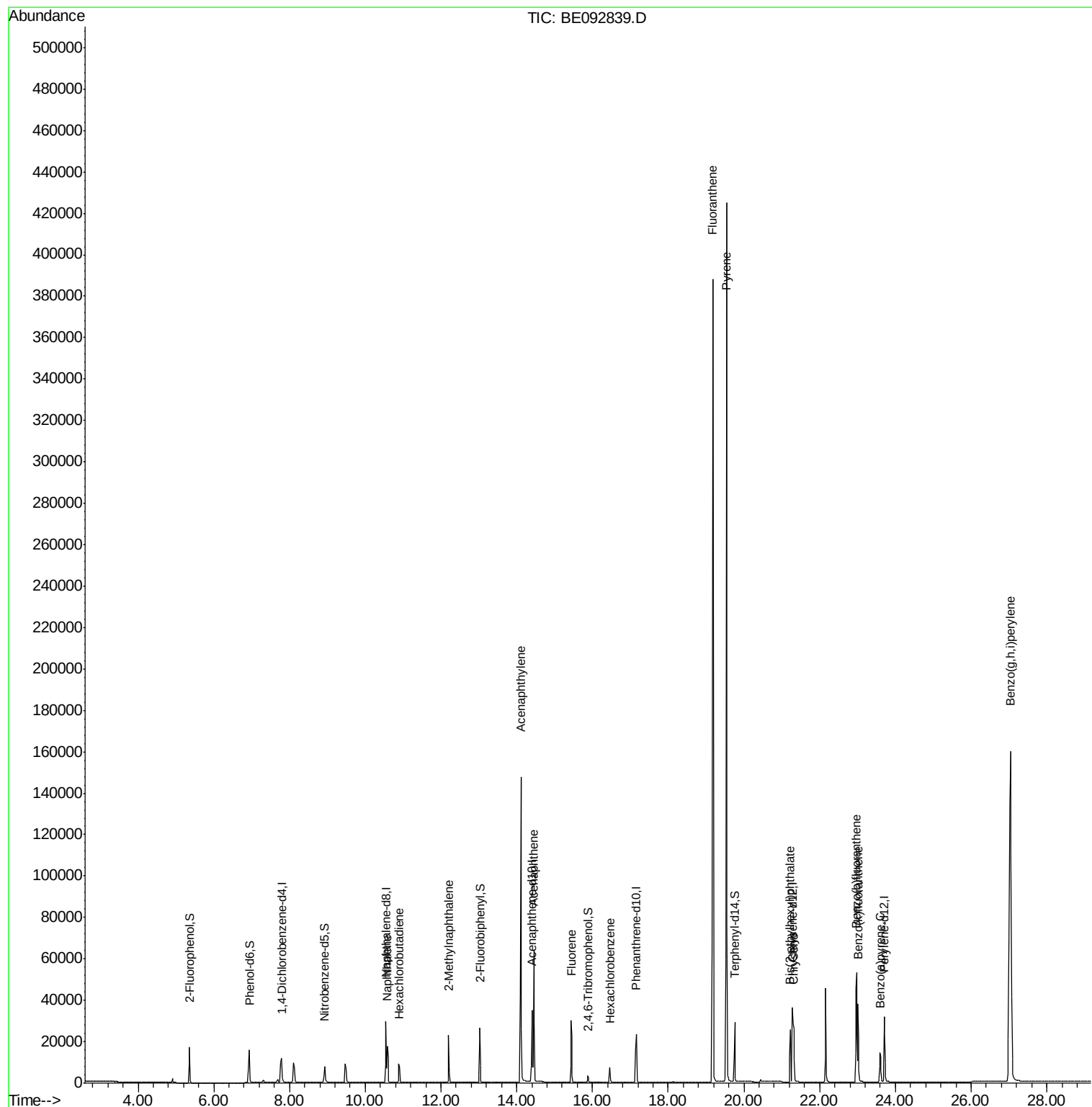
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	8481	5.00	ng	0.00
7) Naphthalene-d8	10.55	136	38404	5.00	ng	0.00
12) Acenaphthene-d10	14.40	164	19719	5.00	ng	0.00
18) Phenanthrene-d10	17.16	188	41520	5.00	ng	0.00
24) Chrysene-d12	21.28	240	49222	5.00	ng	-0.02
31) Perylene-d12	23.71	264	44326	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	12321	6.24	ng	0.00
5) Phenol-d6	6.94	99	19255	6.64	ng	0.00
8) Nitrobenzene-d5	8.92	82	7873	3.57	ng	0.00
13) 2,4,6-Tribromophenol	15.88	330	1930	6.27	ng	0.00
14) 2-Fluorobiphenyl	13.03	172	26381	4.06	ng	0.00
26) Terphenyl-d14	19.76	244	33919	3.99	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.58	128	28368	3.37	ng	# 95
10) Hexachlorobutadiene	10.89	225	8673	7.69	ng	100
11) 2-Methylnaphthalene	12.21	142	17042	3.19	ng	96
15) Acenaphthylene	14.11	152	192089	6.35	ng	100
16) Acenaphthene	14.45	154	12579	2.33	ng	92
17) Fluorene	15.44	166	14521	2.26	ng	99
19) Hexachlorobenzene	16.47	284	6314	4.10	ng	# 66
23) Fluoranthene	19.18	202	416261	8.96	ng	100
25) Pyrene	19.54	202	458033	9.36	ng	100
28) Chrysene	21.32	228	25484	2.07	ng	# 84
29) Bis(2-ethylhexyl)phthalate	21.23	149	30776	6.14	ng	# 72
32) Benzo(b)fluoranthene	22.97	252	76761	6.51	ng	98
33) Benzo(k)fluoranthene	23.02	252	47505	4.50	ng	95
34) Benzo(a)pyrene	23.60	252	22565	2.31	ng	96
36) Benzo(a,h,i)perylene	27.04	276	374915	8.72	ng	98

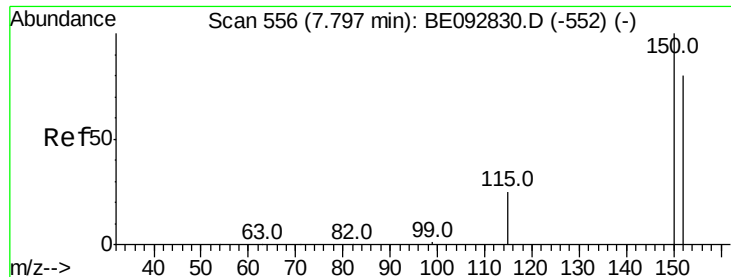
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
Data File : BE092839.D
Acq On : 28 Mar 2017 16:39
Operator : SJ/MA
Sample : I2194-05 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Quant Time: Mar 28 17:15:05 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 14:58:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 556

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

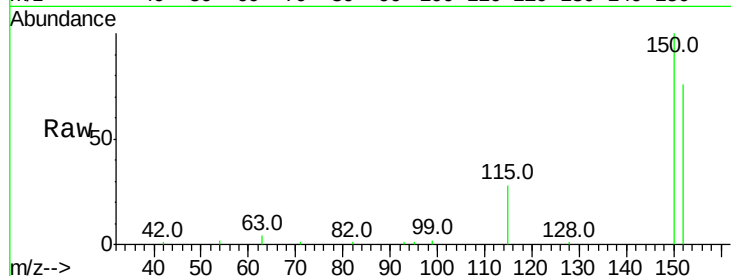
Tot Ion:152 Resp: 8481

Ion Ratio Lower Upper

152 100

150 132.3 106.0 159.0

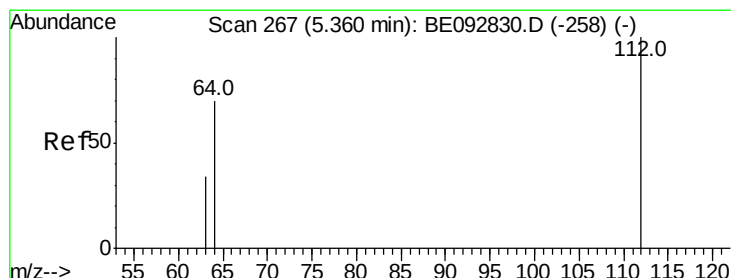
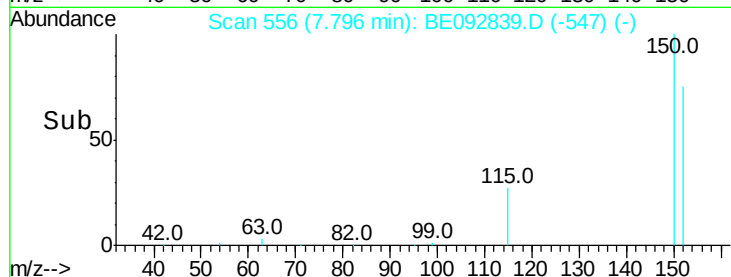
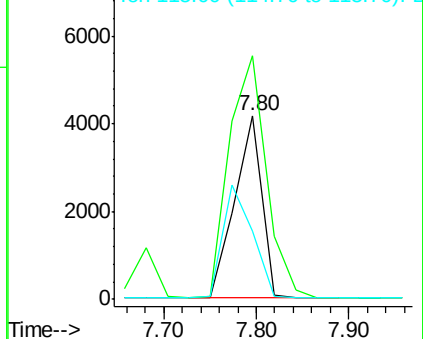
115 36.8 31.2 46.8



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: 6.24 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

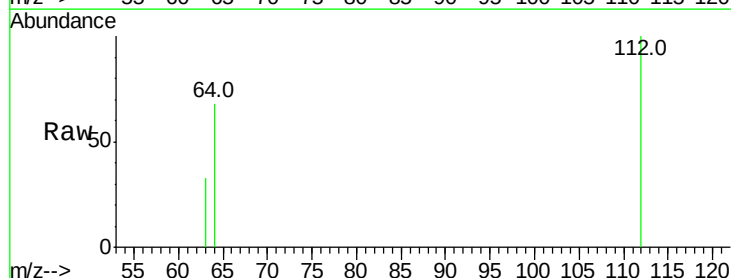
Tgt Ion:112 Resp: 12321

Ion Ratio Lower Upper

112 100

64 69.1 53.5 80.3

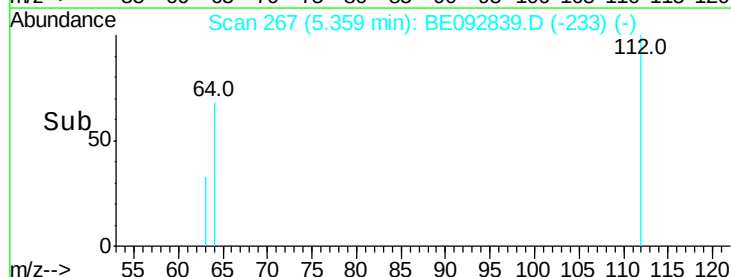
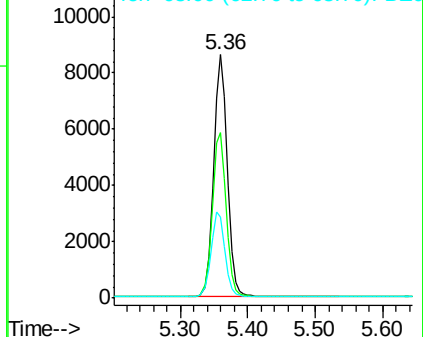
63 35.5 27.9 41.9

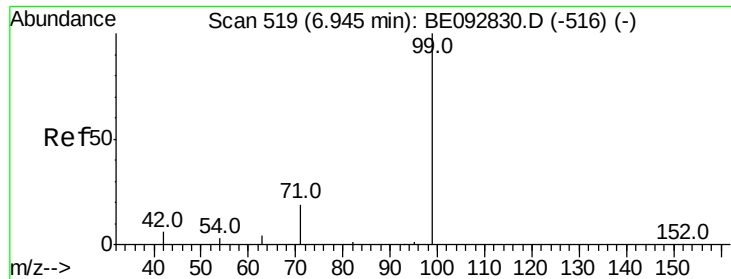


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.64 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

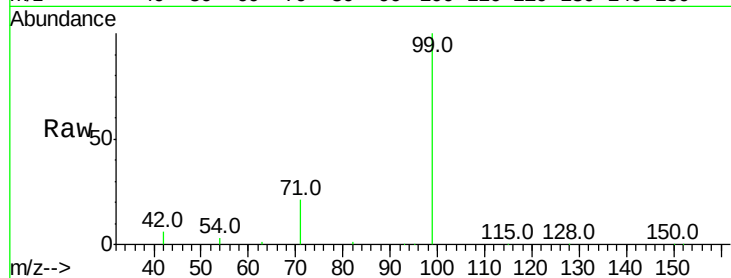
BNA_E

ClientSampleId :

PT-BN-WP

Tot Ion: 99 Resp: 19255

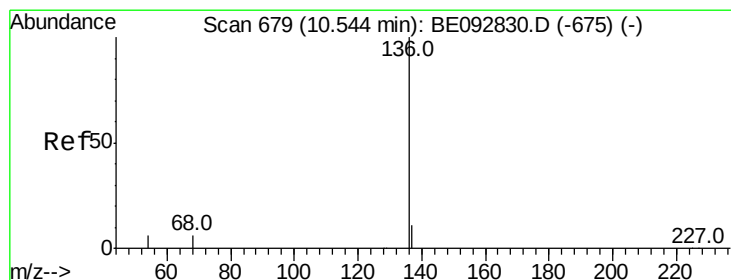
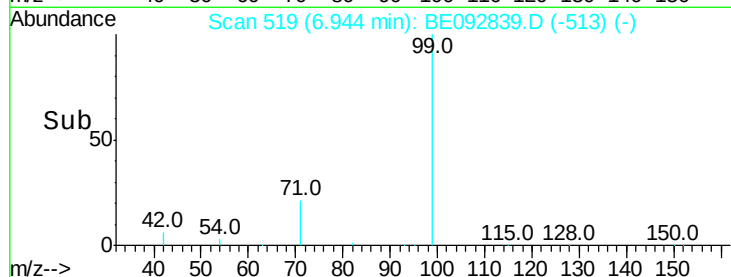
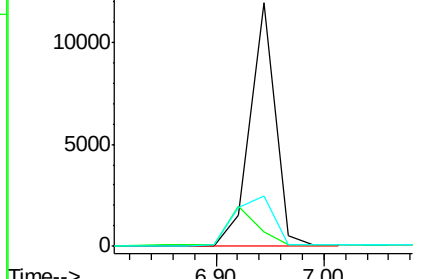
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	31.4	30.6	45.8



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 679

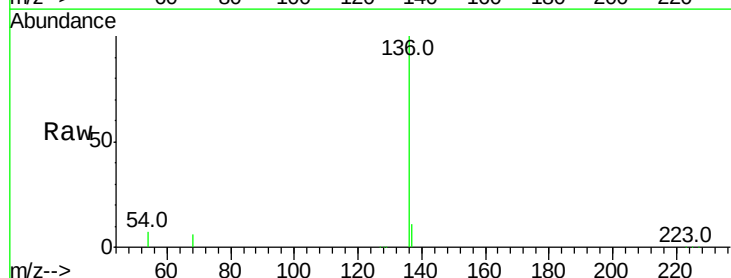
Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Tgt Ion: 136 Resp: 38404

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	7.0	9.6	14.4#
68	6.5	6.7	10.1#

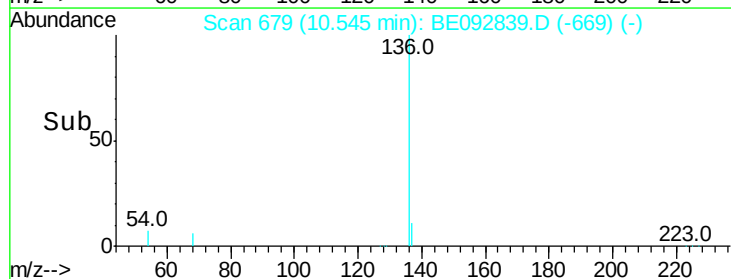
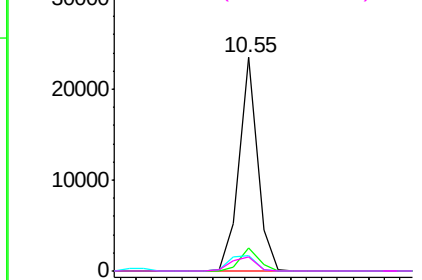


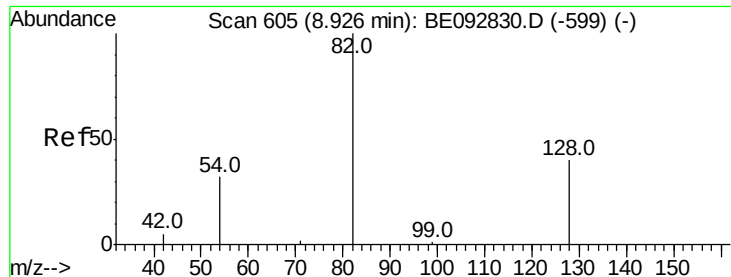
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 3.57 ng

RT: 8.92 min Scan# 605

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

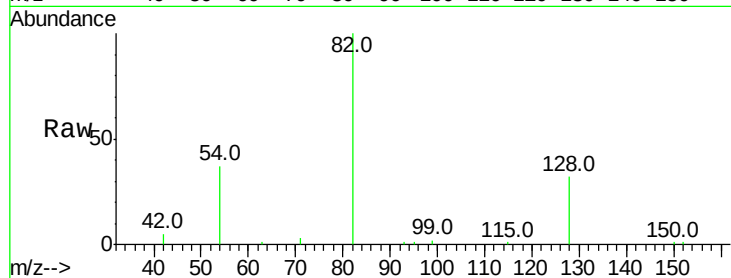
Tot Ion: 82 Resp: 7873

Ion Ratio Lower Upper

82 100

128 31.6 39.0 58.4#

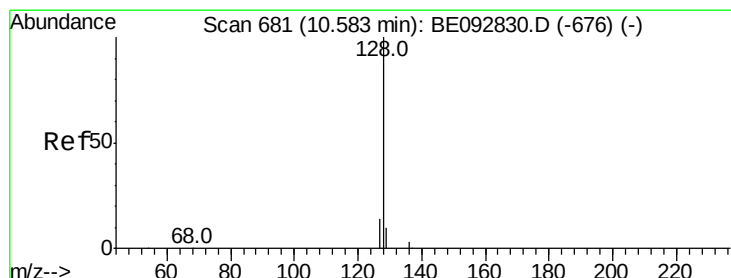
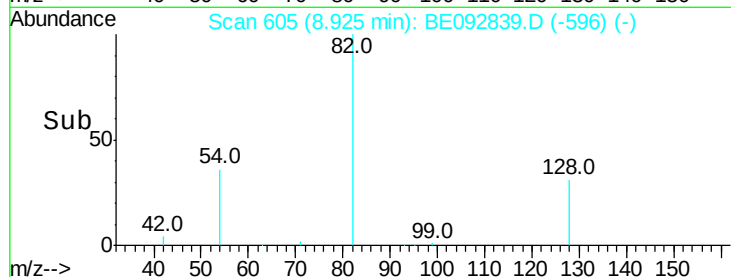
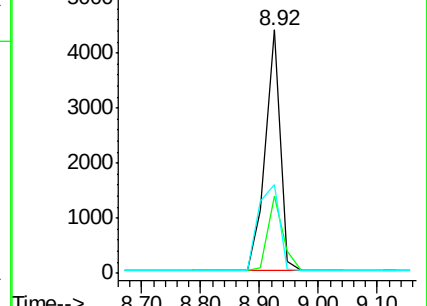
54 36.6 44.8 67.2#



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



#9

Naphthalene

Concen: 3.37 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

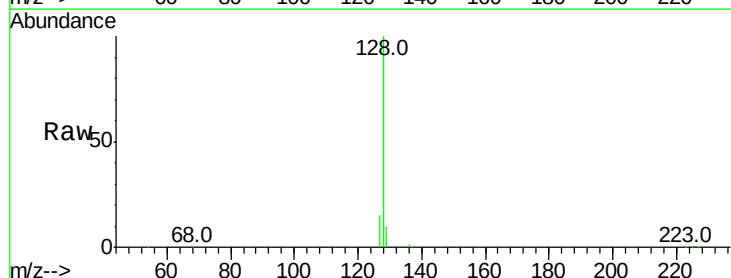
Tgt Ion: 128 Resp: 28368

Ion Ratio Lower Upper

128 100

129 10.3 11.2 16.8#

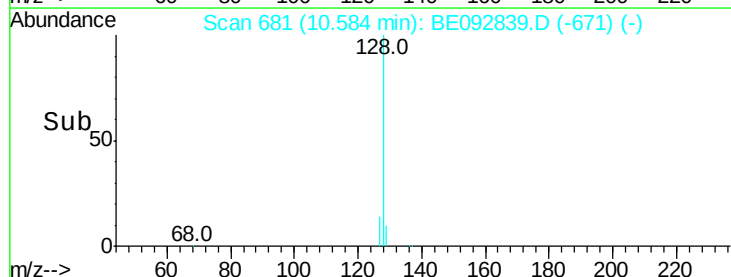
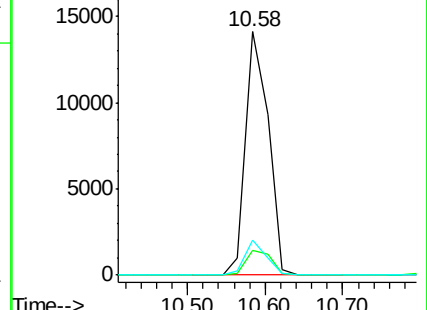
127 14.6 11.6 17.4

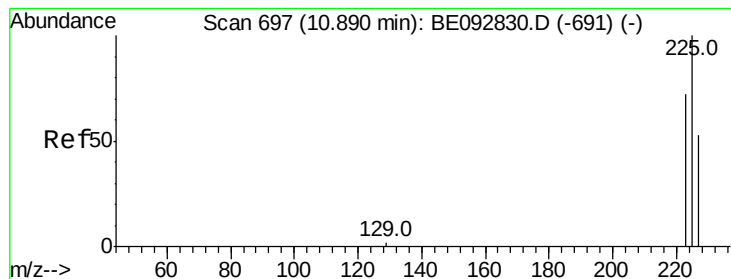


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#10

Hexachlorobutadiene

Concen: 7.69 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

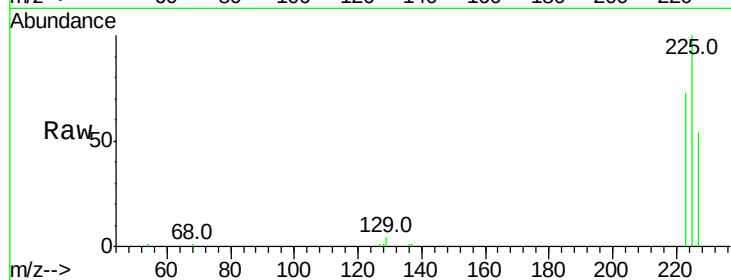
Tot Ion:225 Resp: 8673

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

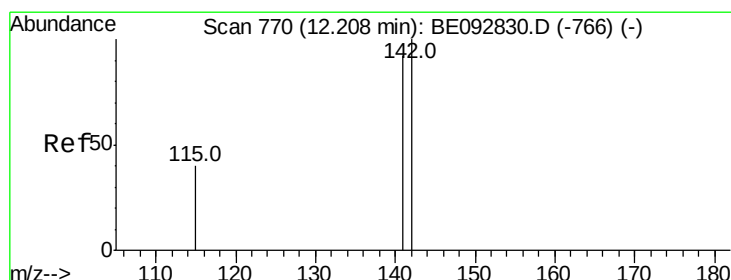
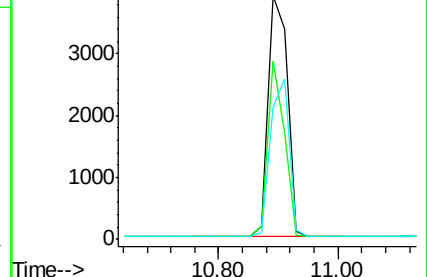
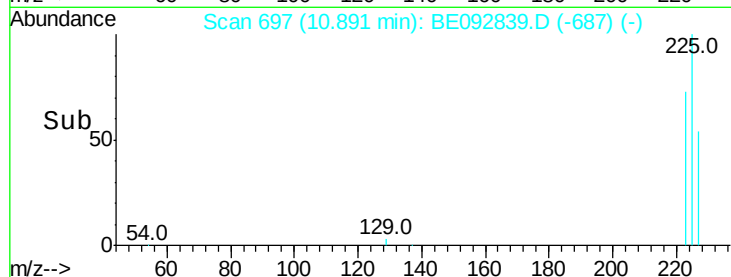
227 64.1 51.4 77.0



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#11

2-Methylnaphthalene

Concen: 3.19 ng

RT: 12.21 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

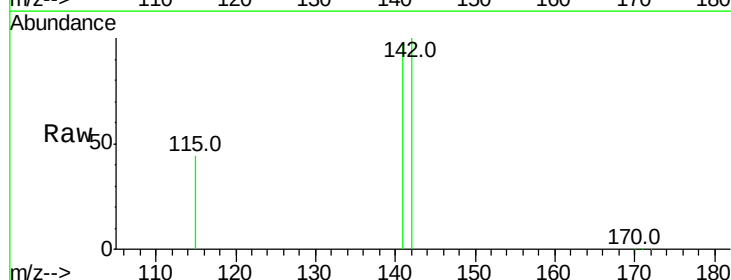
Tgt Ion:142 Resp: 17042

Ion Ratio Lower Upper

142 100

141 96.5 73.7 110.5

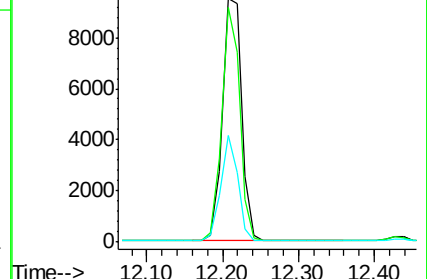
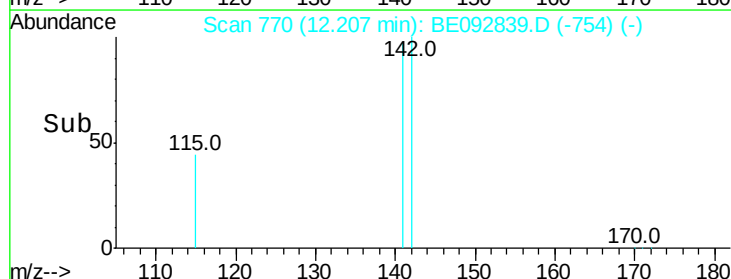
115 43.7 34.0 51.0

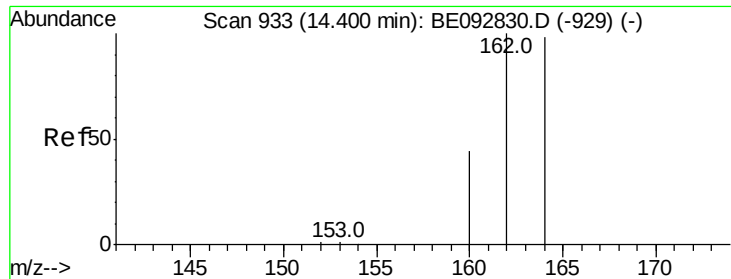


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 933

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

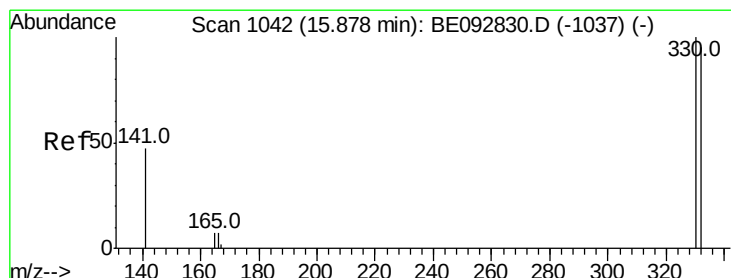
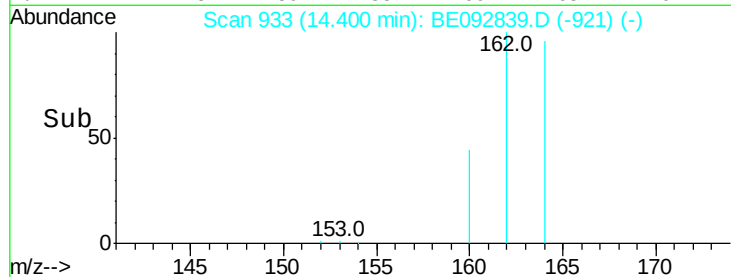
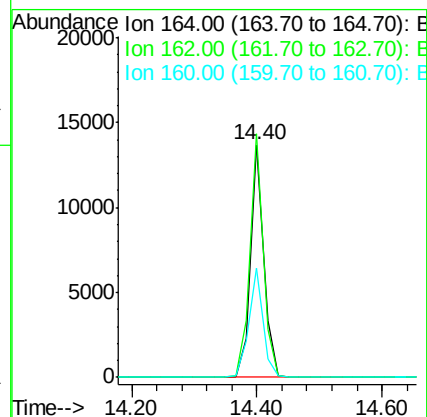
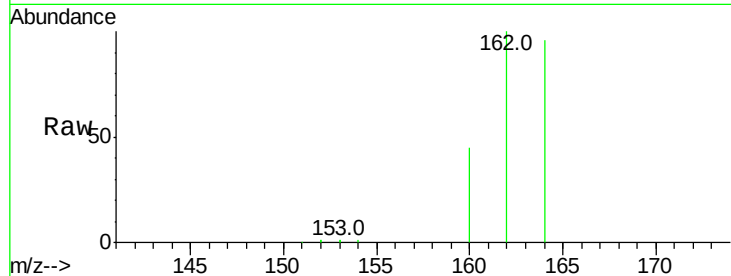
Tot Ion:164 Resp: 19719

Ion Ratio Lower Upper

164 100

162 104.6 71.4 107.0

160 46.7 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 6.27 ng

RT: 15.88 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

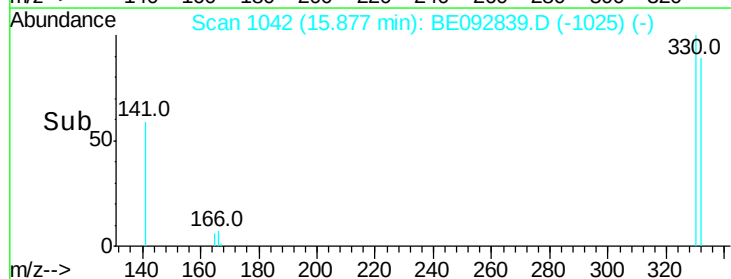
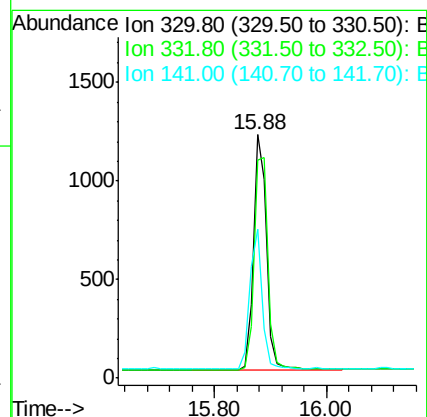
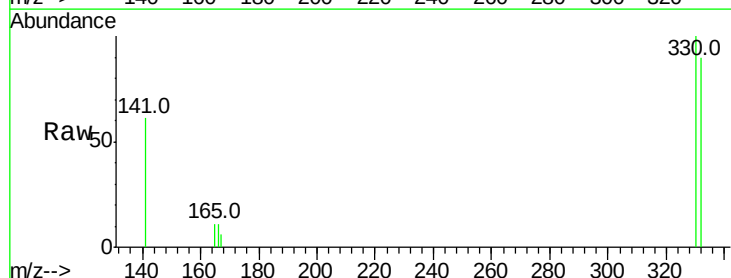
Tgt Ion:330 Resp: 1930

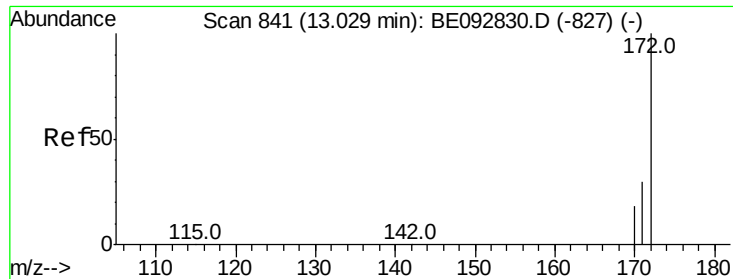
Ion Ratio Lower Upper

330 100

332 97.5 75.4 113.0

141 57.1 31.0 46.6#

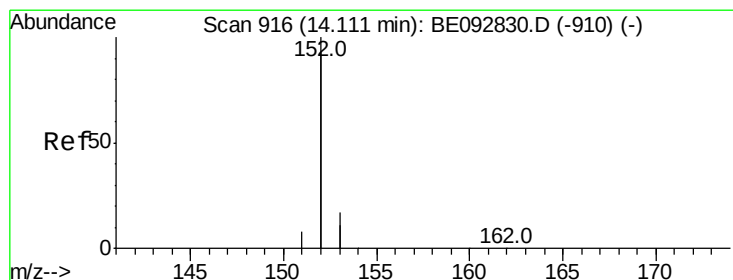
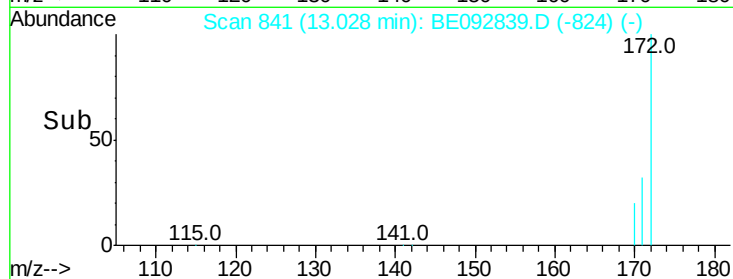
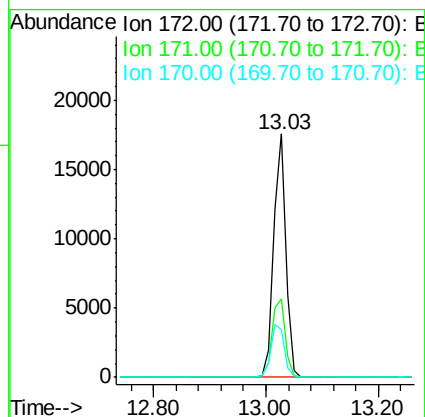
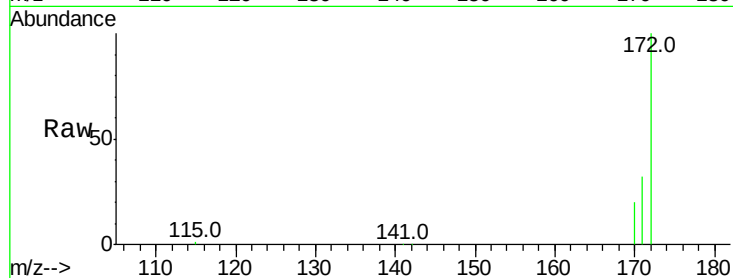




#14
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 13.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

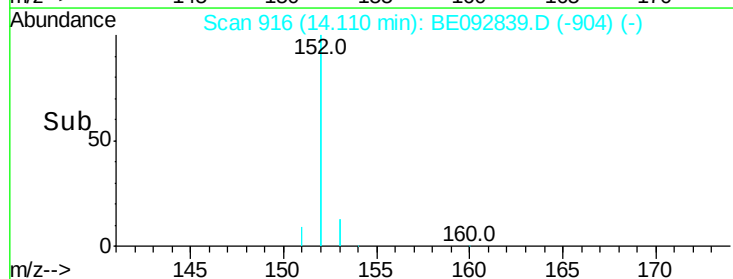
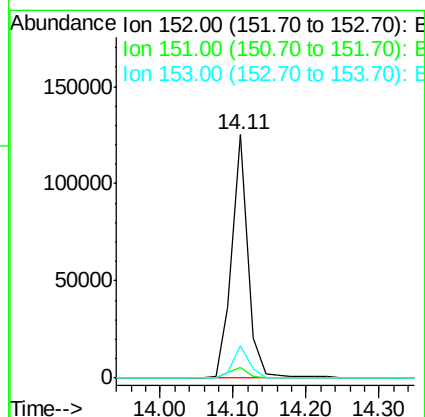
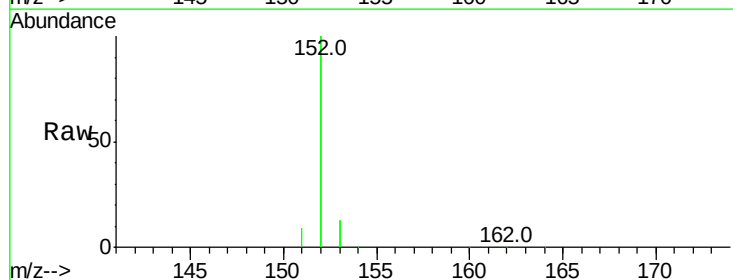
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

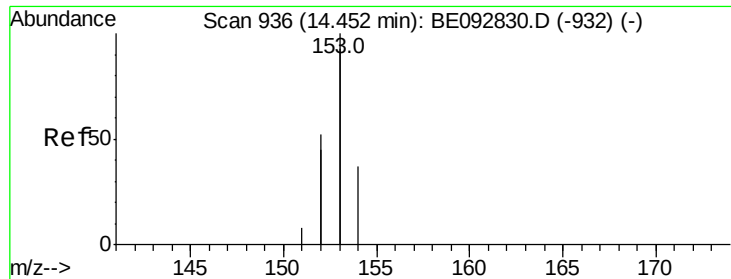
Tot Ion:172 Resp: 26381
Ion Ratio Lower Upper
172 100
171 32.4 30.1 45.1
170 19.8 21.8 32.6#



#15
Acenaphthylene
Concen: 6.35 ng
RT: 14.11 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

Tgt Ion:152 Resp: 192089
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.2 10.4 15.6





#16

Acenaphthene

Concen: 2.33 ng

RT: 14.45 min Scan# 936

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

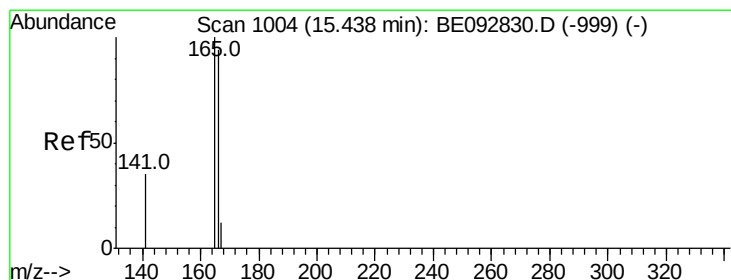
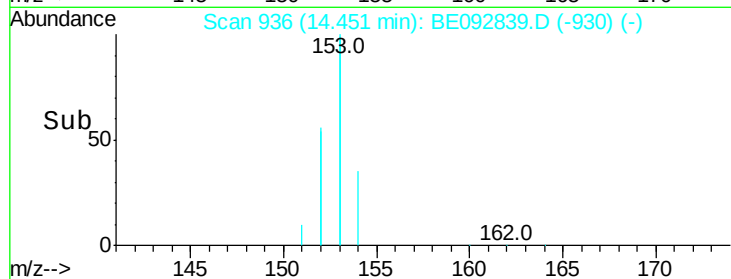
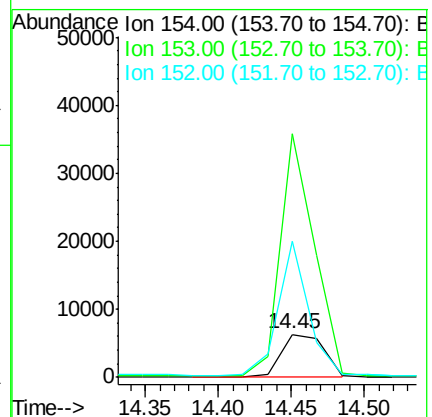
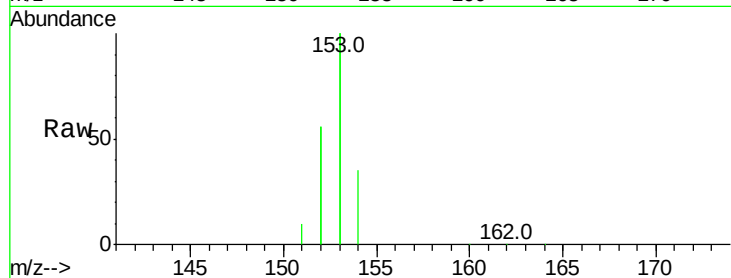
Tot Ion:154 Resp: 12579

Ion Ratio Lower Upper

154 100

153 459.8 350.8 526.2

152 225.1 171.1 256.7



#17

Fluorene

Concen: 2.26 ng

RT: 15.44 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

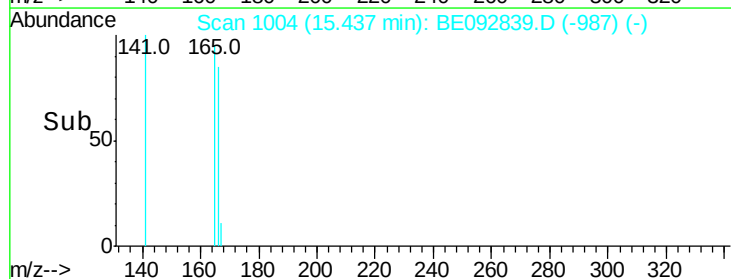
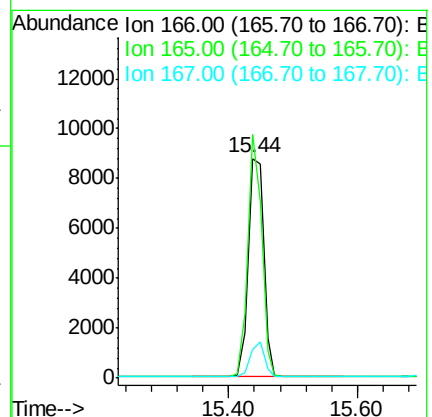
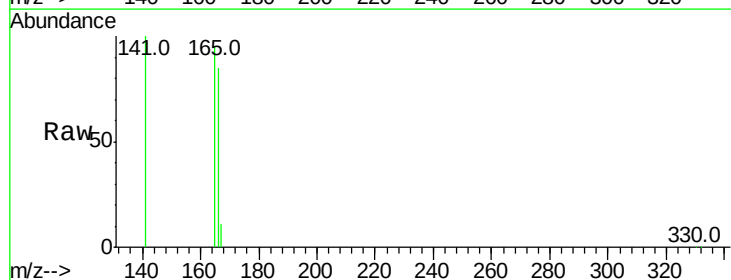
Tgt Ion:166 Resp: 14521

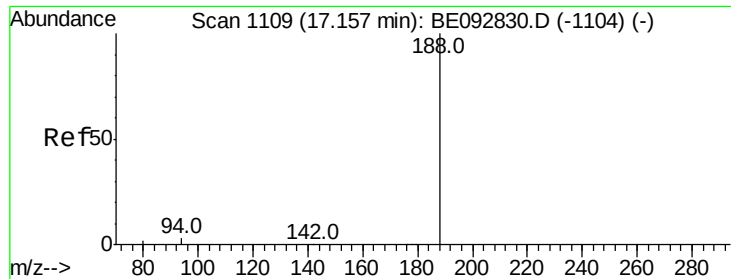
Ion Ratio Lower Upper

166 100

165 98.7 78.2 117.4

167 14.5 11.0 16.4





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

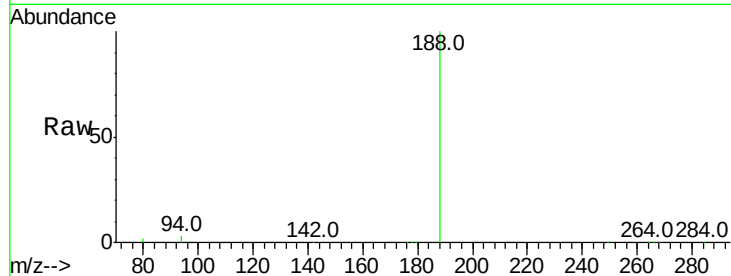
Tot Ion:188 Resp: 41520

Ion Ratio Lower Upper

188 100

94 3.0 3.2 4.8#

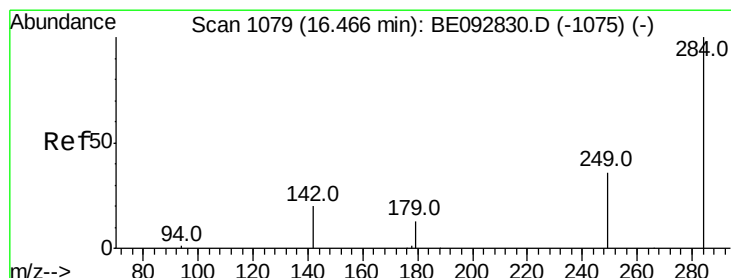
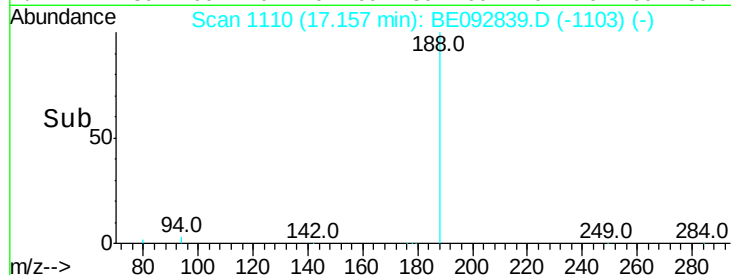
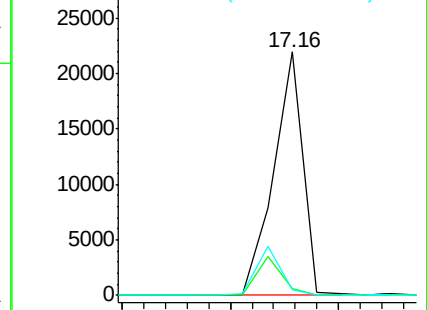
80 2.3 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 4.10 ng

RT: 16.47 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

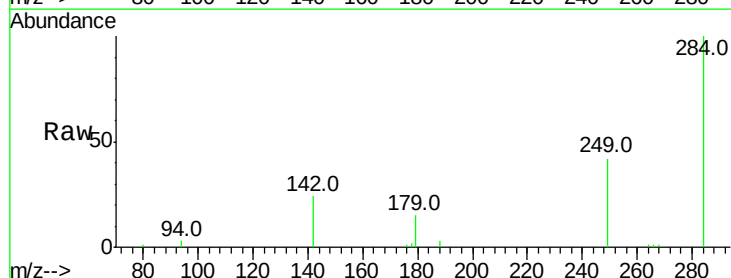
Tgt Ion:284 Resp: 6314

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

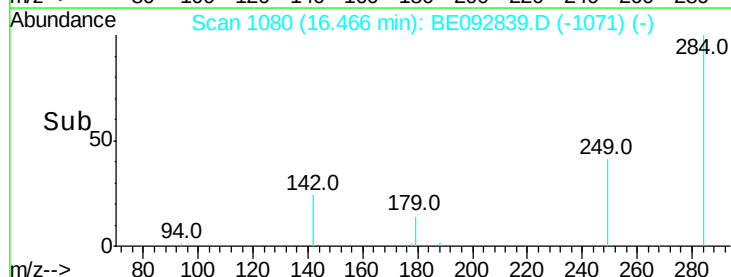
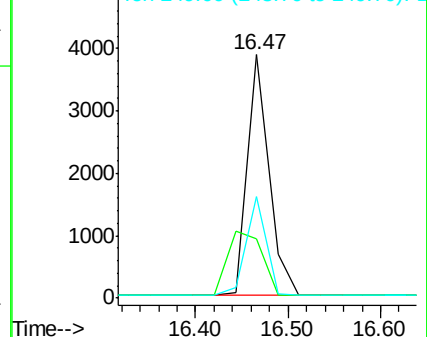
249 38.0 27.9 41.9

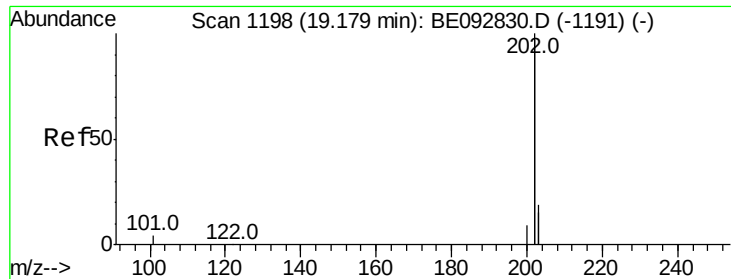


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Fluoranthene

Concen: 8.96 ng

RT: 19.18 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

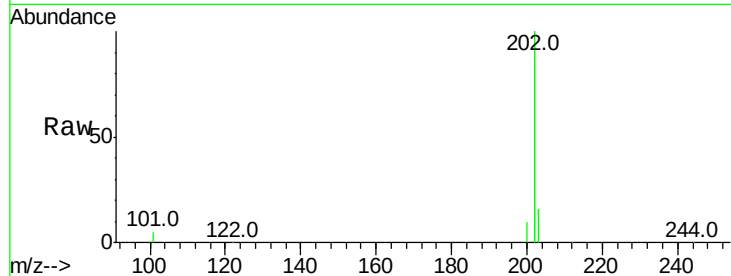
Tot Ion:202 Resp: 416261

Ion Ratio Lower Upper

202 100

101 3.2 2.2 3.4

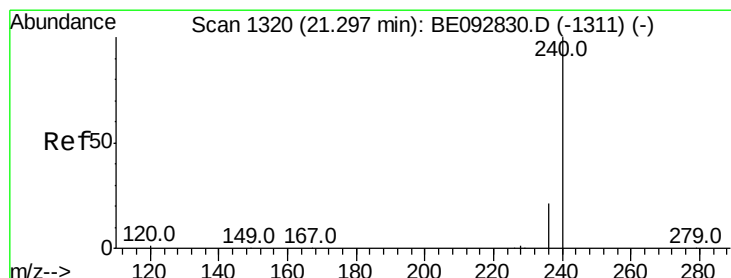
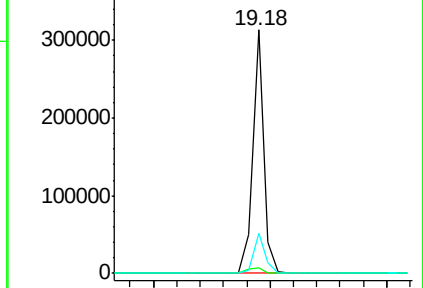
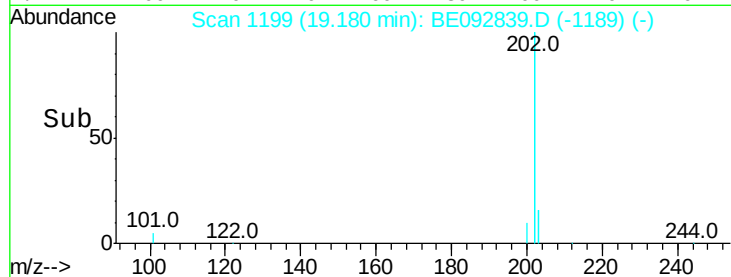
203 17.2 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

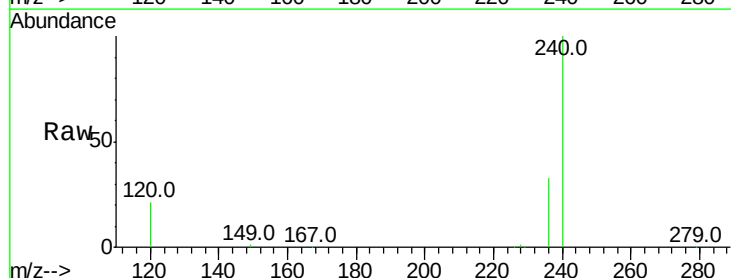
Tgt Ion:240 Resp: 49222

Ion Ratio Lower Upper

240 100

120 20.6 2.6 4.0#

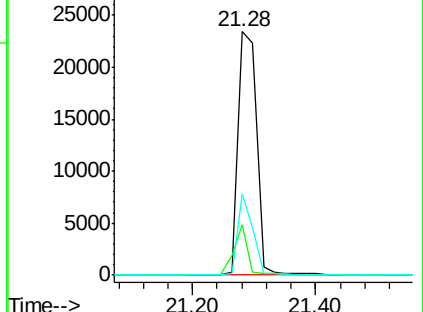
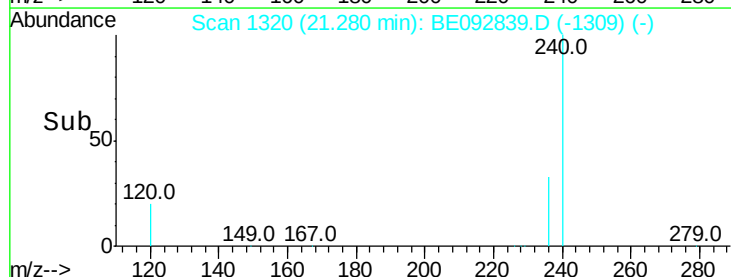
236 33.4 24.6 37.0

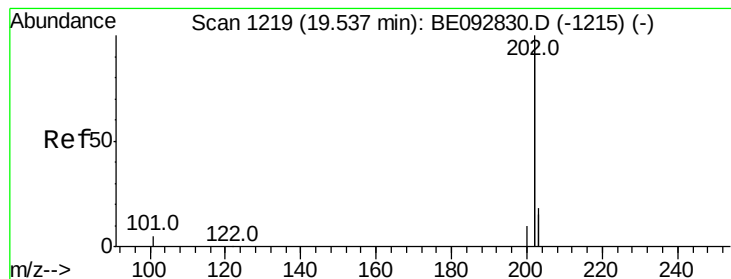


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

Concen: 9.36 ng

RT: 19.54 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

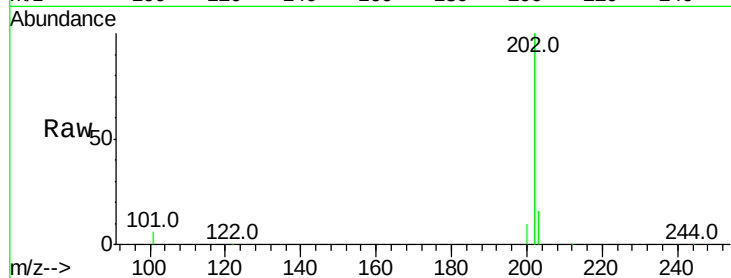
Tot Ion:202 Resp: 458033

Ion Ratio Lower Upper

202 100

200 5.1 4.2 6.4

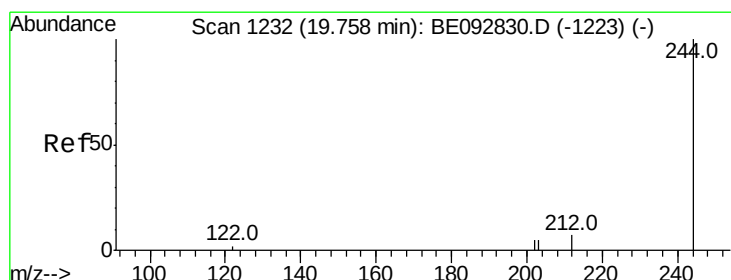
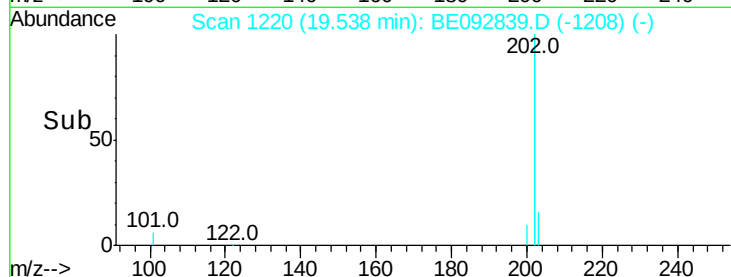
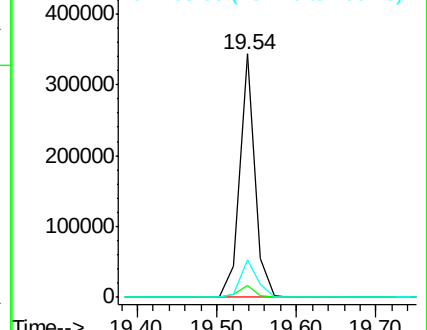
203 17.6 13.9 20.9



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



#26

Terphenyl-d14

Concen: 3.99 ng

RT: 19.76 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

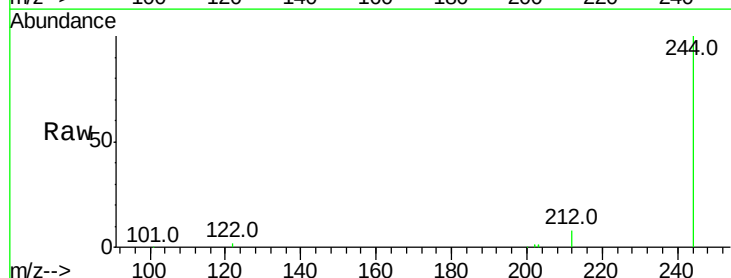
Tgt Ion:244 Resp: 33919

Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

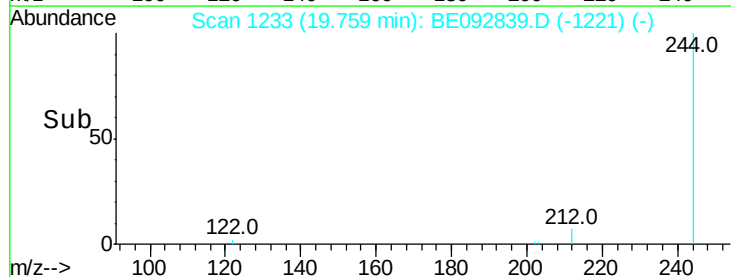
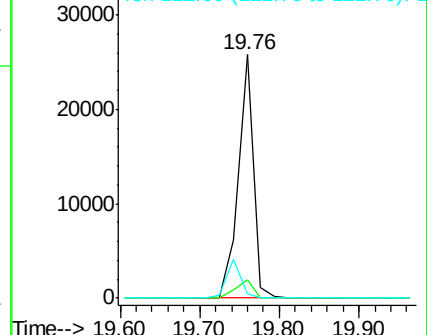
122 1.9 3.6 5.4#

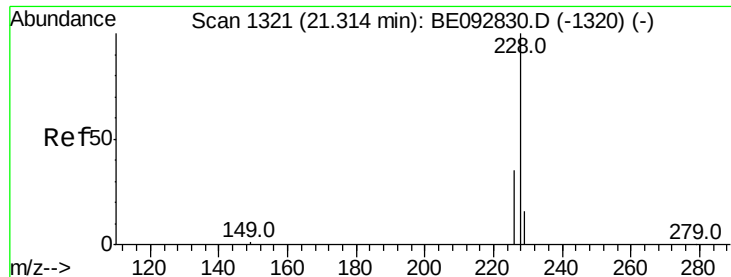


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Chrysene

Concen: 2.07 ng

RT: 21.32 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

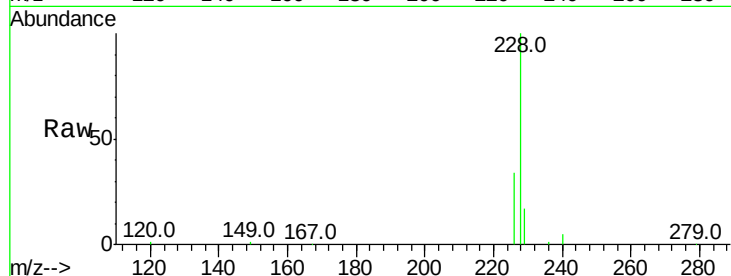
Tot Ion:228 Resp: 25484

Ion Ratio Lower Upper

228 100

226 33.8 36.3 54.5#

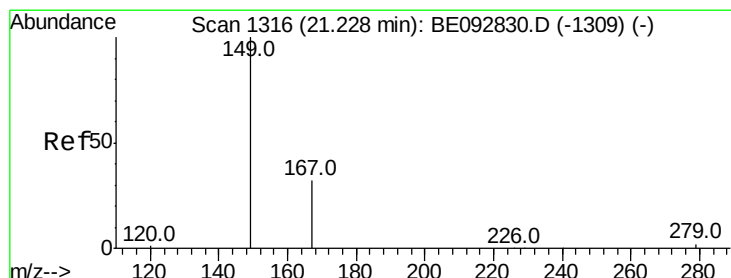
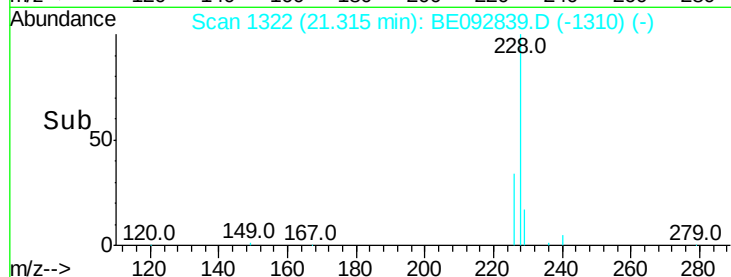
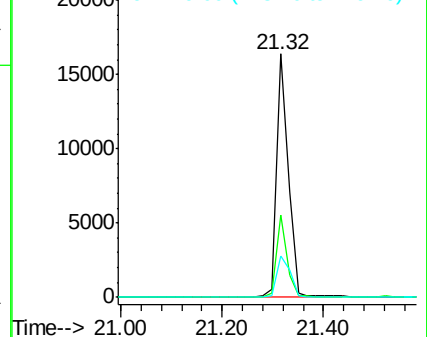
229 17.0 10.6 16.0#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 6.14 ng

RT: 21.23 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

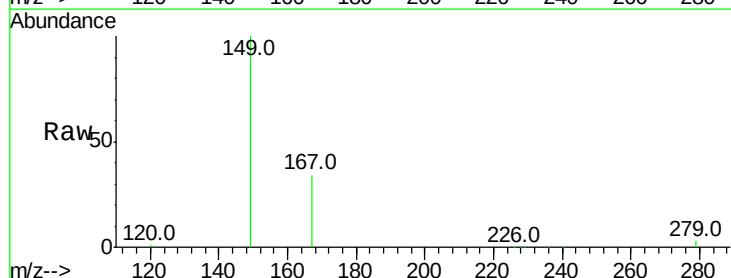
Tgt Ion:149 Resp: 30776

Ion Ratio Lower Upper

149 100

167 28.0 16.0 24.0#

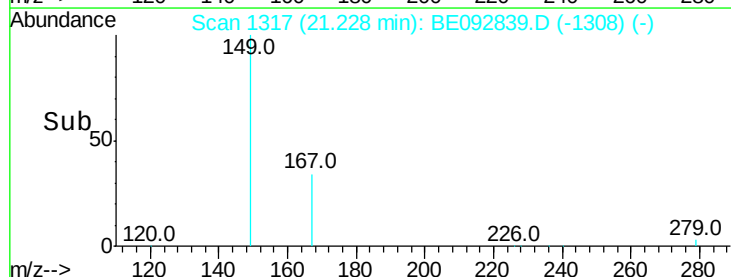
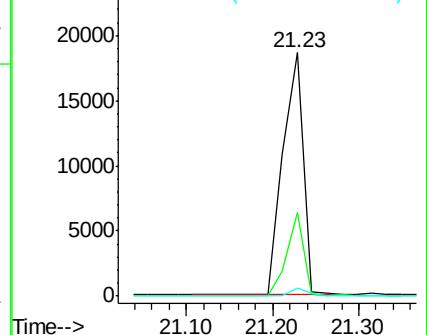
279 2.5 16.0 24.0#

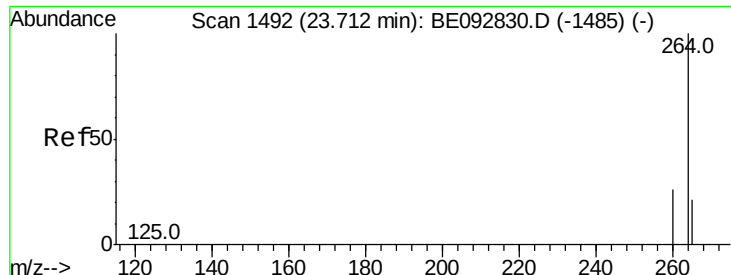


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

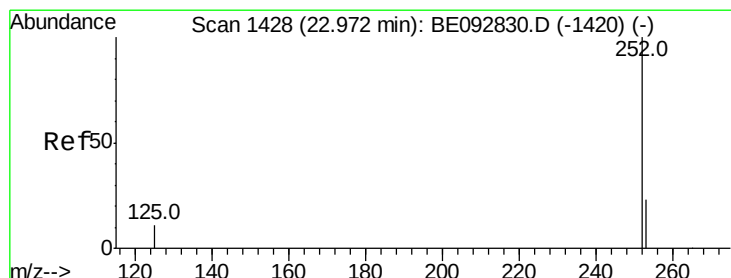
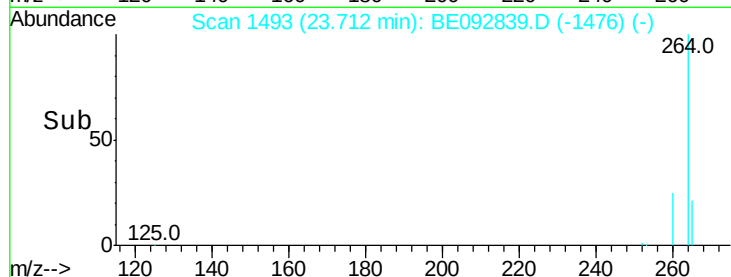
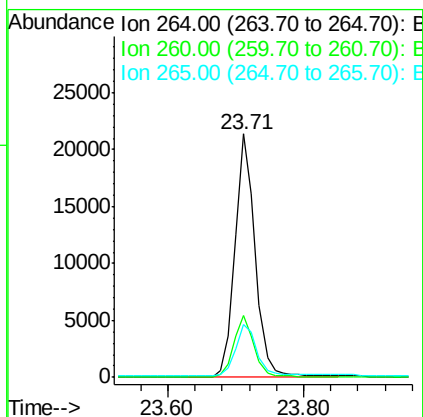
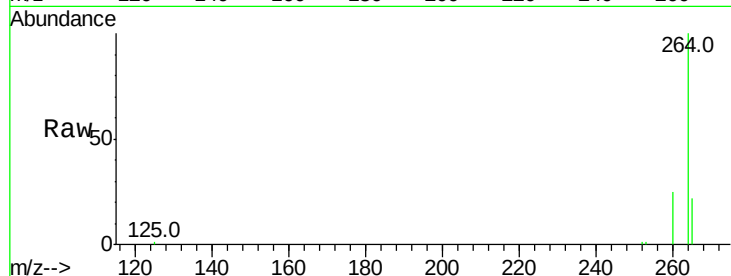




#31
Pervlene-d12
Concen: 5.00 ng
RT: 23.71 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

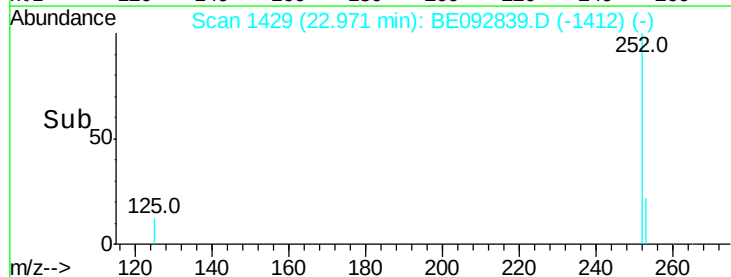
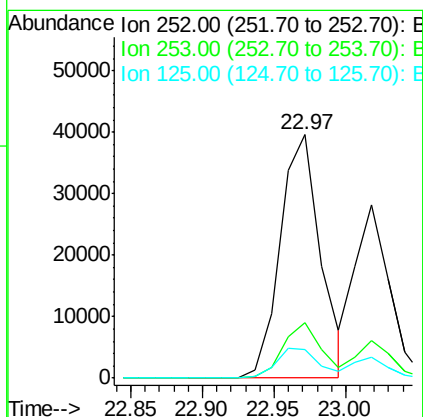
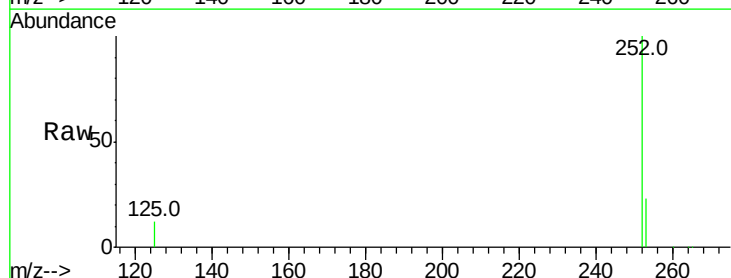
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

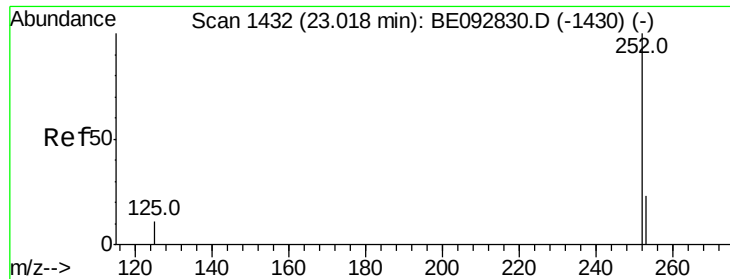
Tot Ion:264 Resp: 44326
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 21.5 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 6.51 ng
RT: 22.97 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

Tgt Ion:252 Resp: 76761
Ion Ratio Lower Upper
252 100
253 22.6 18.7 28.1
125 11.8 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 4.50 ng

RT: 23.02 min Scan# 1433

Delta R.T. -0.00 min

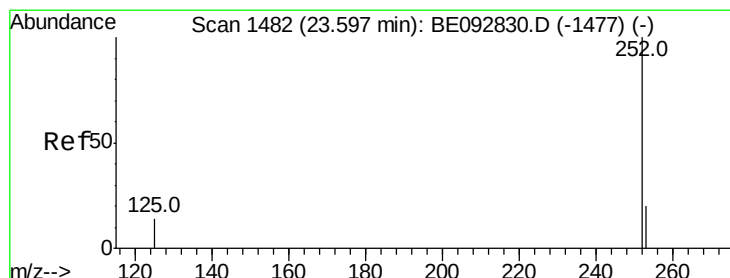
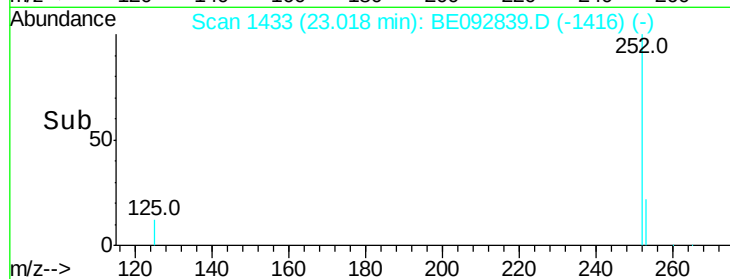
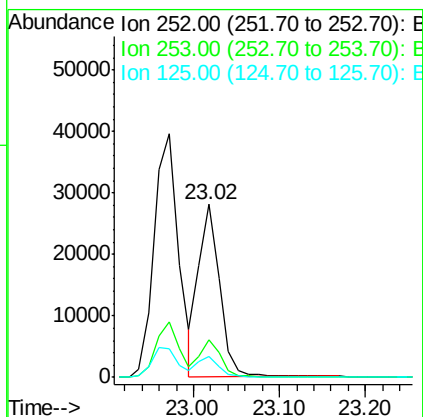
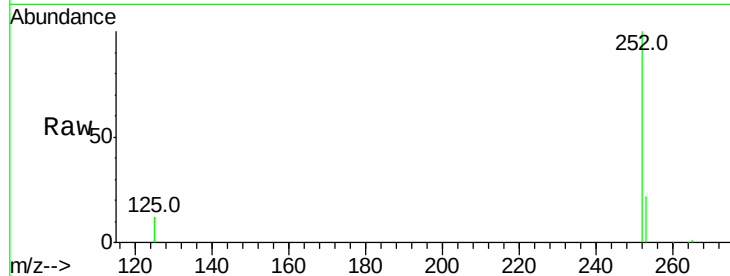
Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tot Ion:252 Resp: 47505

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.3	30.5
125	12.3	9.6	14.4



#34

Benzo(a)pyrene

Concen: 2.31 ng

RT: 23.60 min Scan# 1483

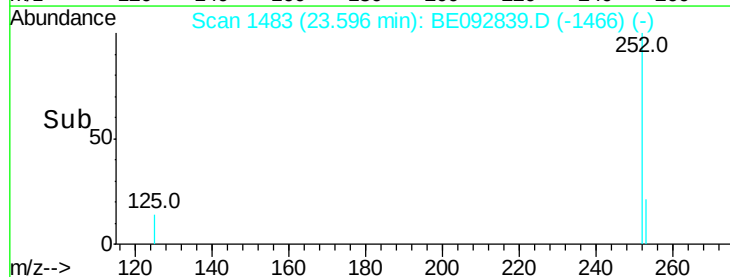
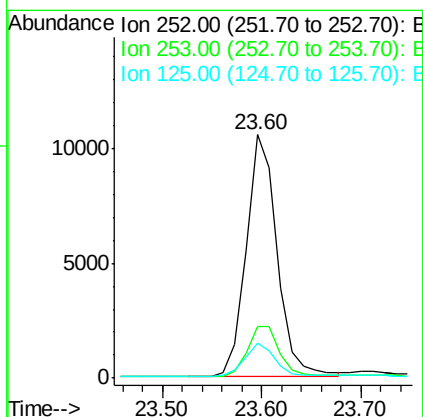
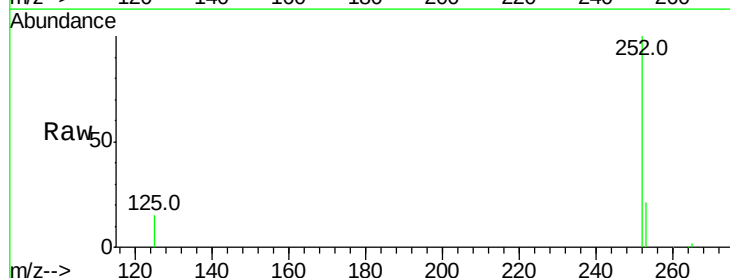
Delta R.T. -0.00 min

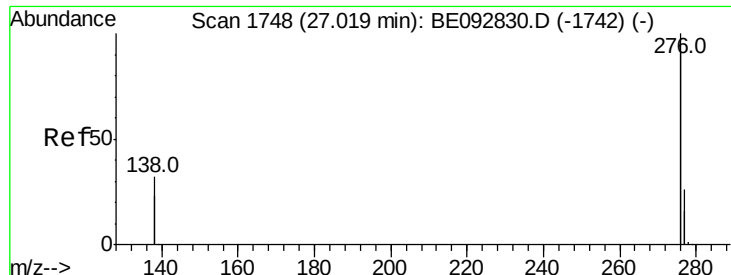
Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Tgt Ion:252 Resp: 22565

Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.0	28.6
125	14.6	11.8	17.8





#36

Benzo(a,h,i)perylene

Concen: 8.72 ng

RT: 27.04 min Scan# 1750

Delta R.T. 0.02 min

Lab File: BE092839.D

Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

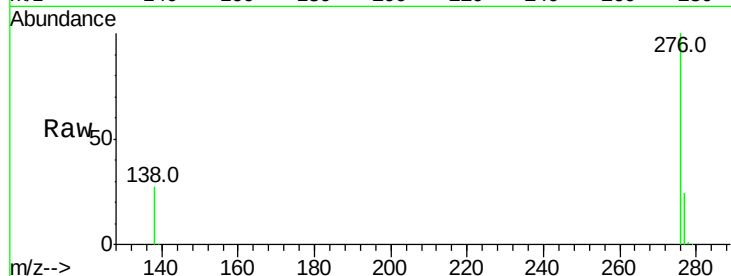
Tot Ion: 276 Resp: 374915

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 26.5 19.8 29.6



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

