

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 17:14:00 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

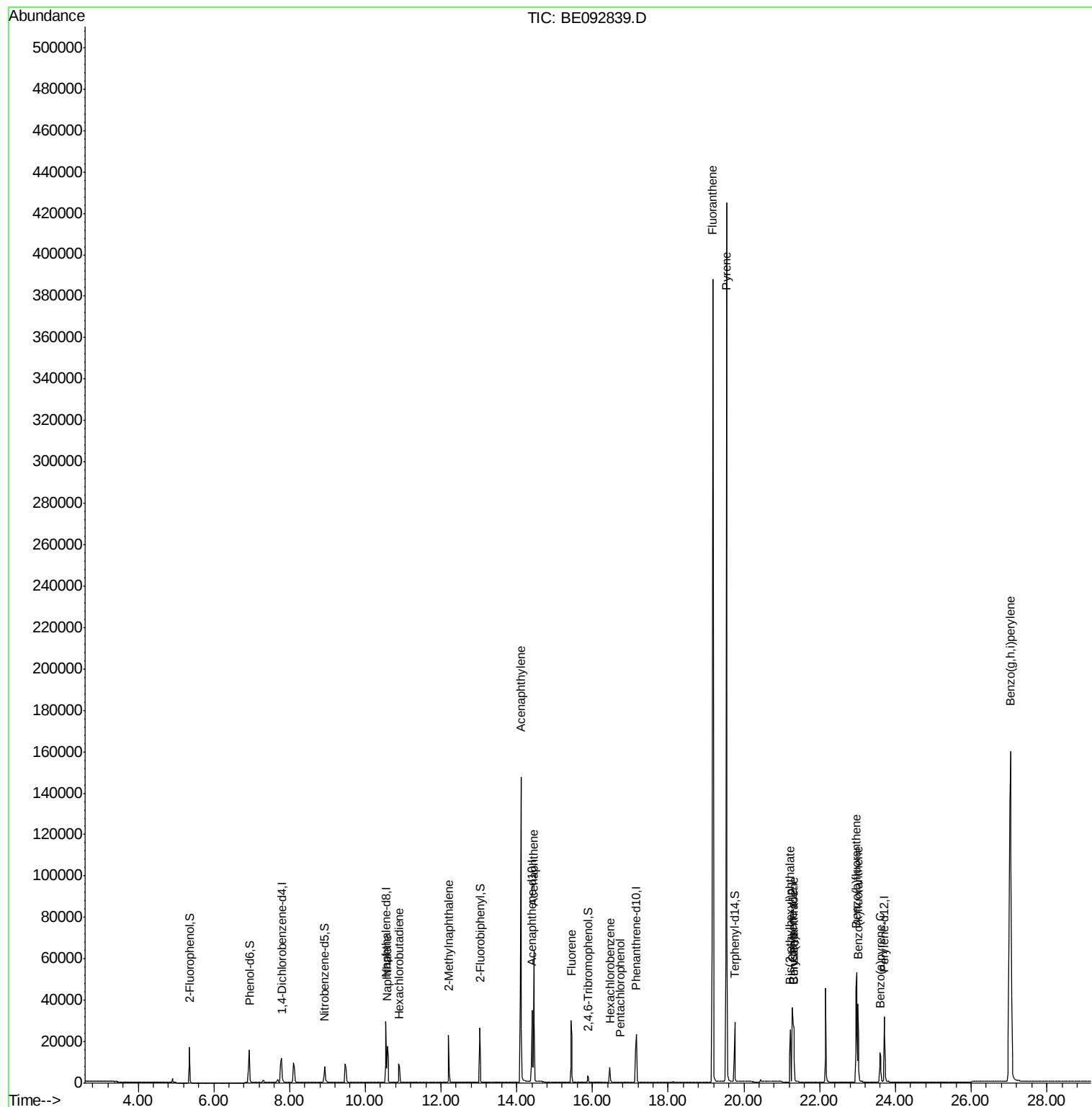
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.58	128	28368	3.37	ng	# 95
10) Hexachlorobutadiene	10.89	225	8673	7.69	ng	100
11) 2-Methylnaphthalene	12.21	142	17042	3.19	ng	96
15) Acenaphthylene	14.11	152	192089	6.35	ng	100
16) Acenaphthene	14.45	154	12579	2.33	ng	92
17) Fluorene	15.44	166	14521	2.26	ng	99
19) Hexachlorobenzene	16.47	284	6314	4.10	ng	# 66
20) Pentachlorophenol	16.74	266	1	0.23	ng	# 73
23) Fluoranthene	19.18	202	416261	8.96	ng	100
25) Pyrene	19.54	202	458033	9.36	ng	100
27) Benzo(a)anthracene	21.32	228	25367	2.18	ng	95
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(g,h,i)perylene	27.04	276	374915	8.72	ng	98

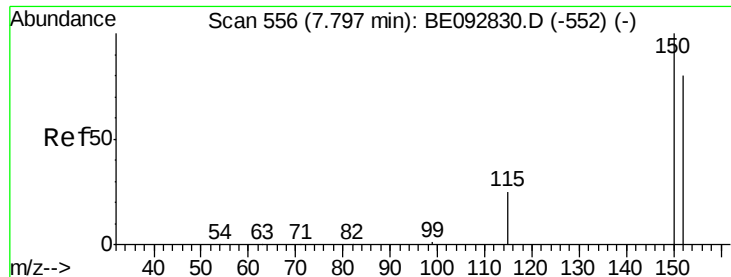
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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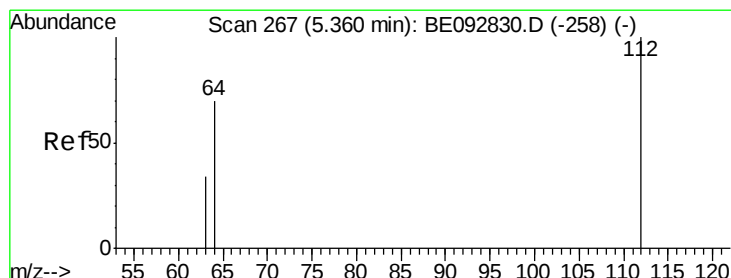
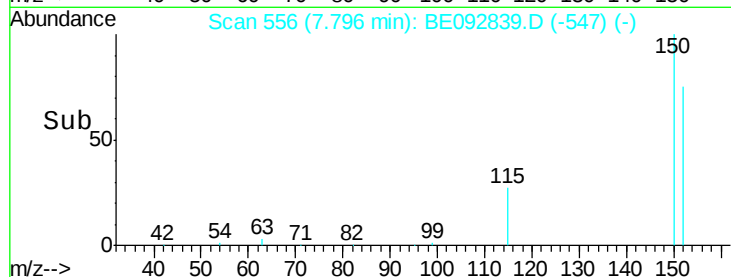
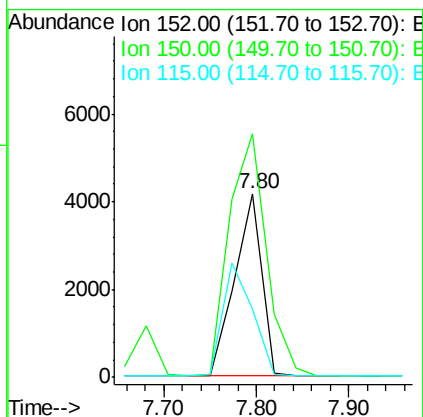
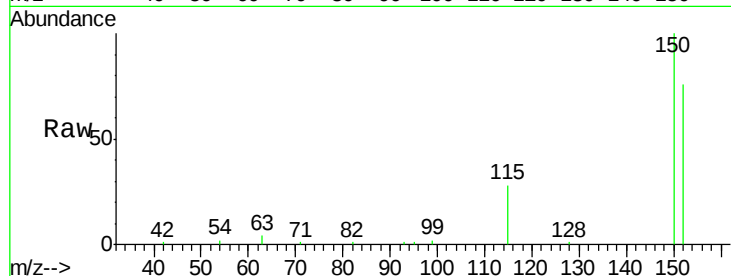


#1

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

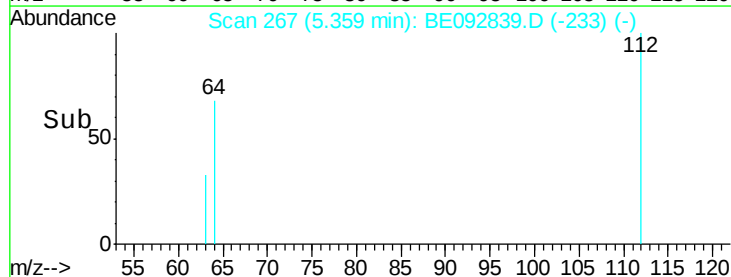
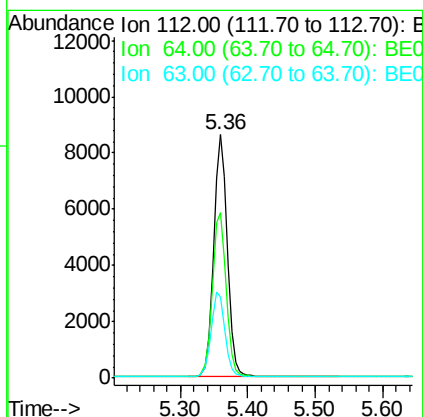
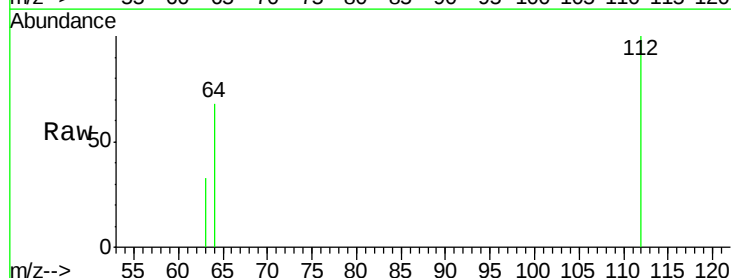
Tgt Ion:152 Resp: 8481
Ion Ratio Lower Upper
152 100
150 132.3 106.0 159.0
115 36.8 31.2 46.8

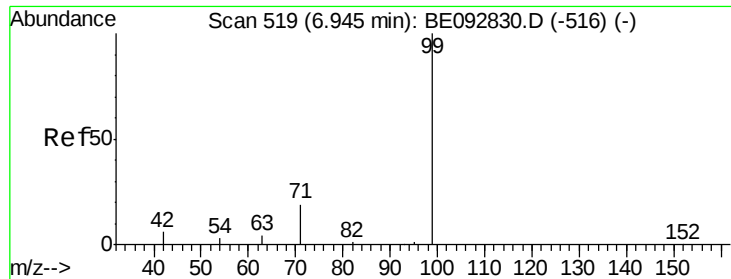


#4

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





#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

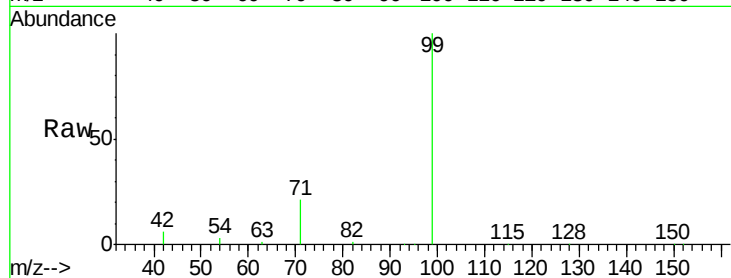
Tgt Ion: 99 Resp: 19255

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

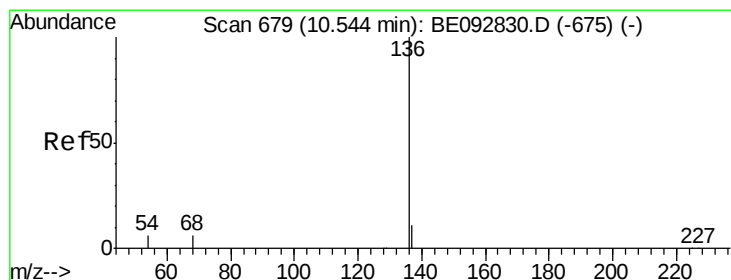
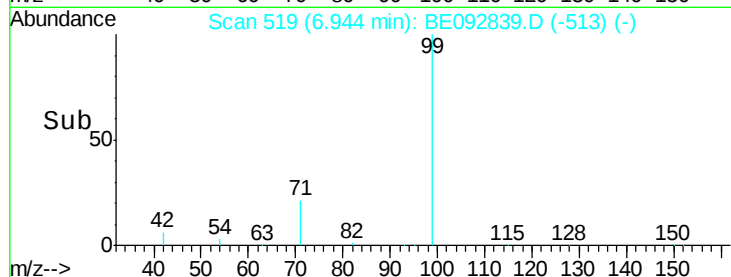
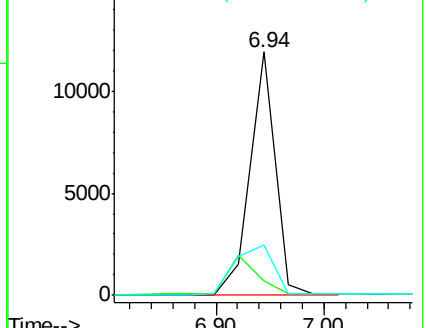
71 31.4 30.6 45.8



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

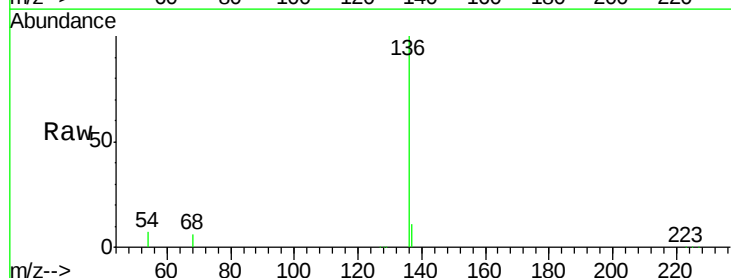
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 7.0 9.6 14.4#

68 6.5 6.7 10.1#

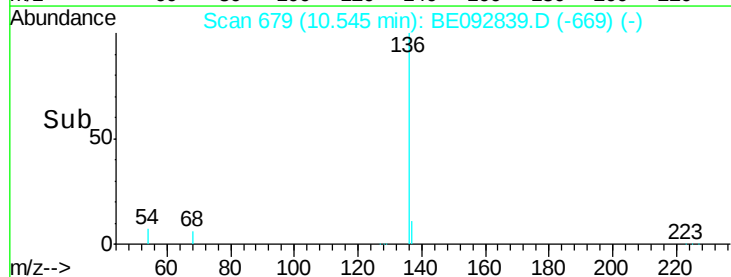
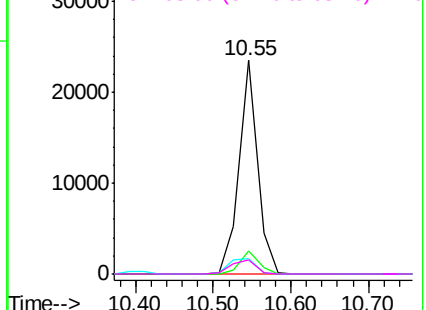


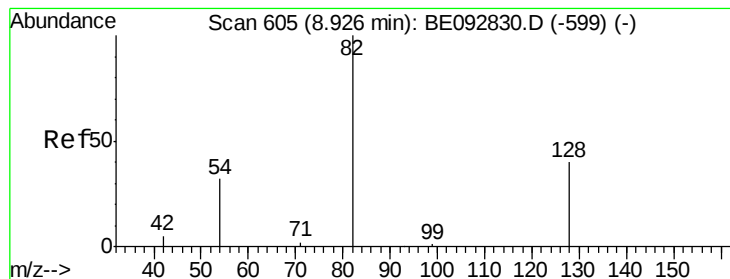
Abundance Ion 136.00 (135.70 to 136.70): E

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

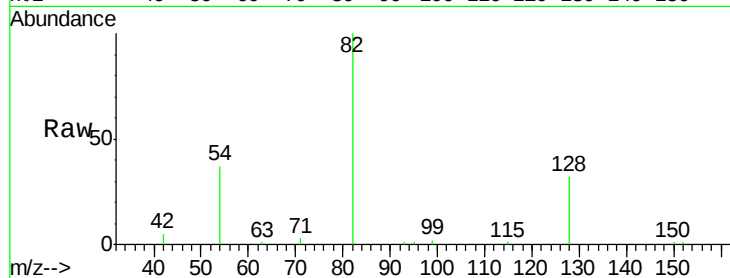
Tgt Ion: 82 Resp: 7873

Ion Ratio Lower Upper

82 100

128 31.6 39.0 58.4#

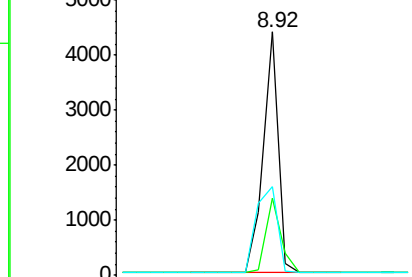
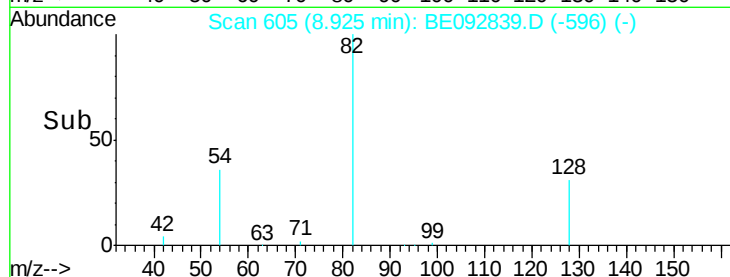
54 36.6 44.8 67.2#



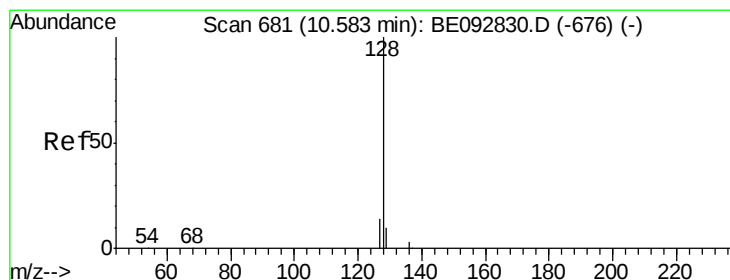
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.70 8.80 8.90 9.00 9.10



#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

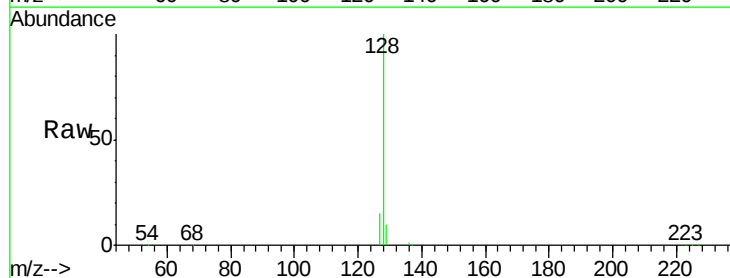
Tgt Ion: 128 Resp: 28368

Ion Ratio Lower Upper

128 100

129 10.3 11.2 16.8#

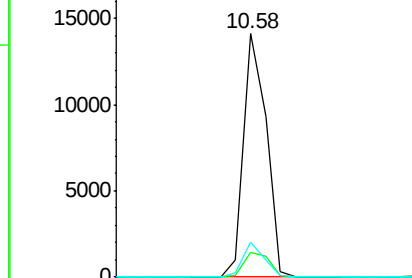
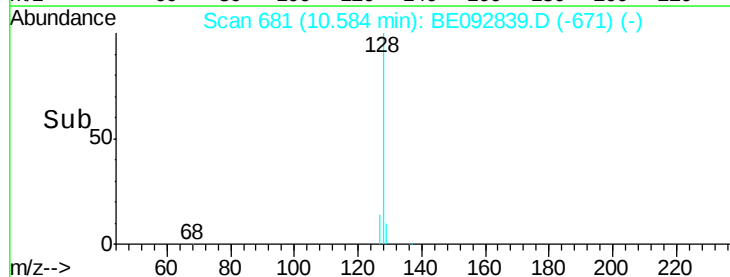
127 14.6 11.6 17.4



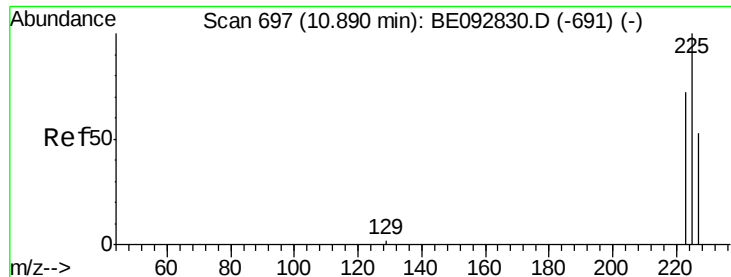
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



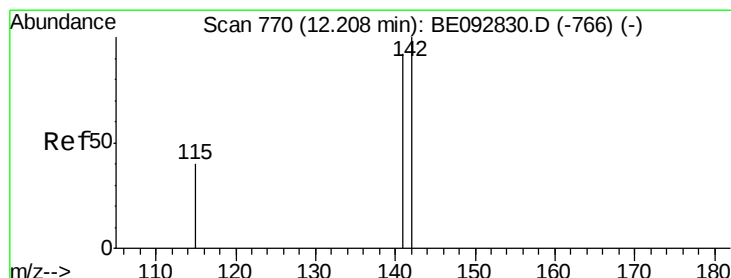
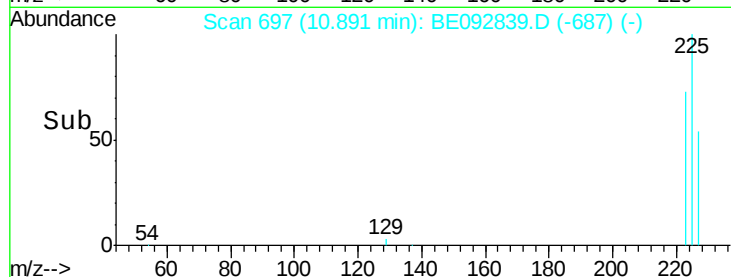
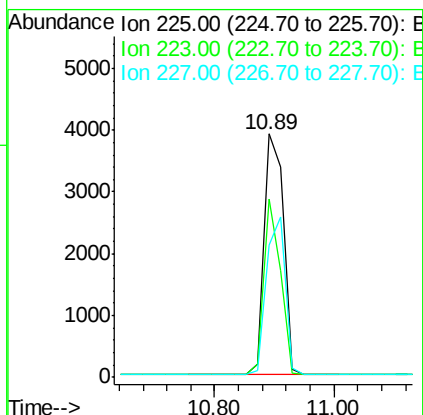
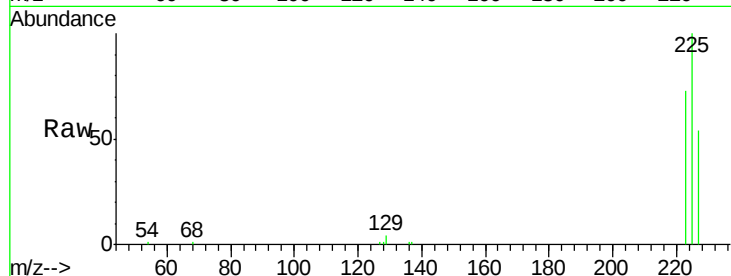
Time--> 10.50 10.60 10.70



#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

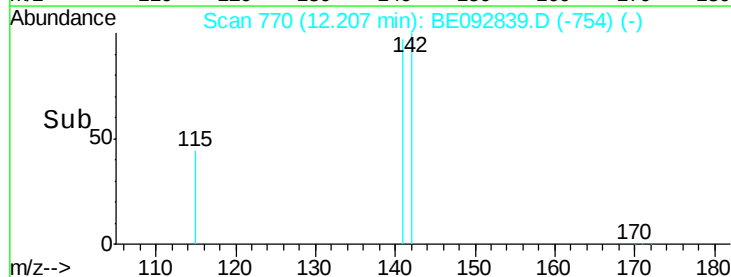
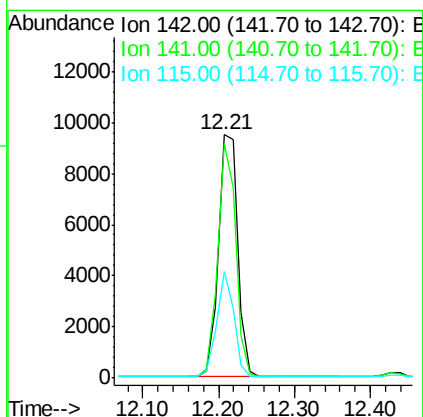
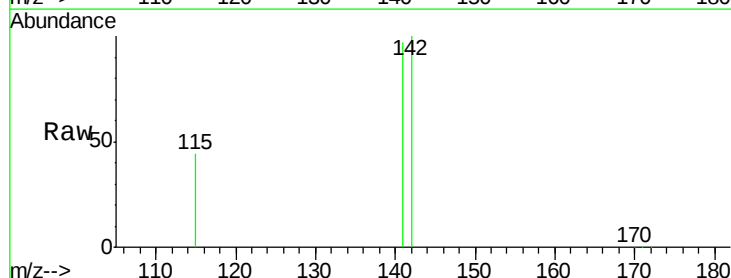
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

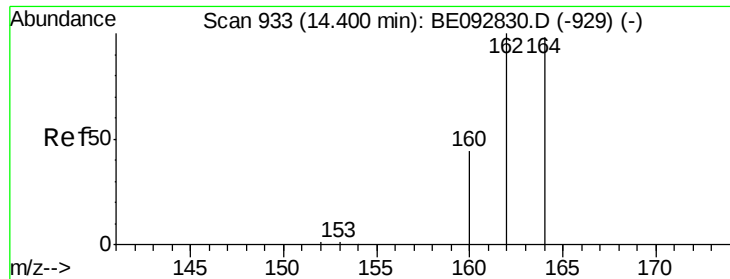
Tgt Ion: 225 Resp: 8673
Ion Ratio Lower Upper
225 100
223 63.1 50.6 76.0
227 64.1 51.4 77.0



#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

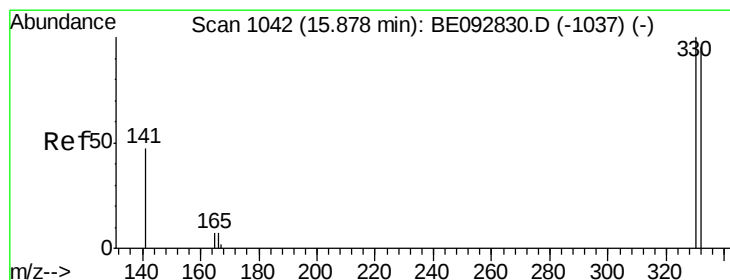
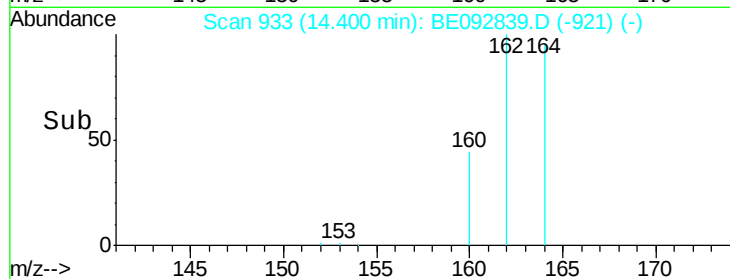
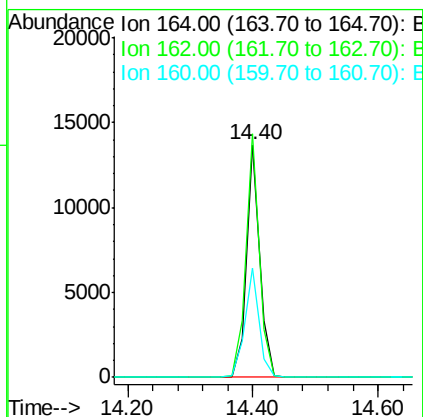
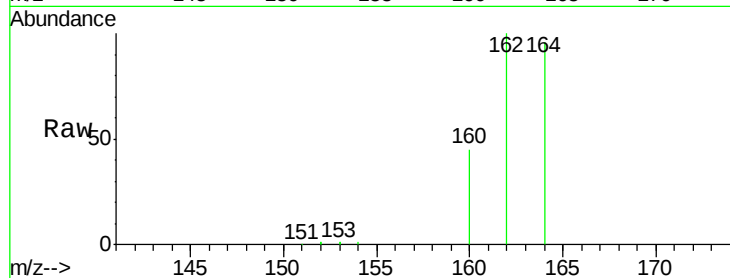




#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.40 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BE092839.D
 Acq: 28 Mar 2017 16:39

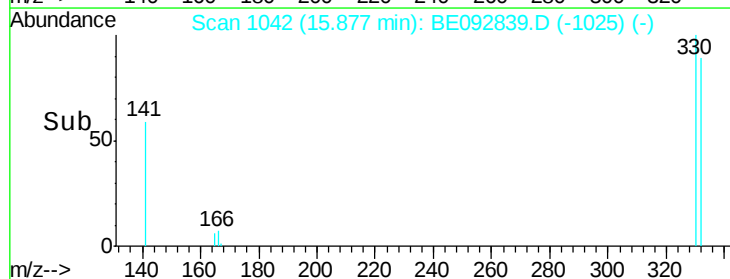
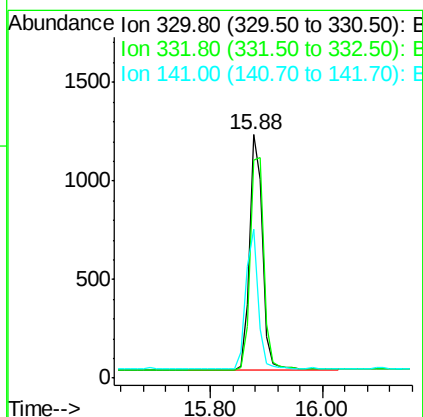
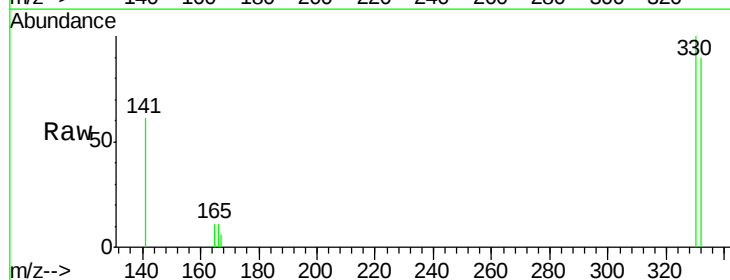
Instrument :
 BNA_E
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 PT-BN-WP

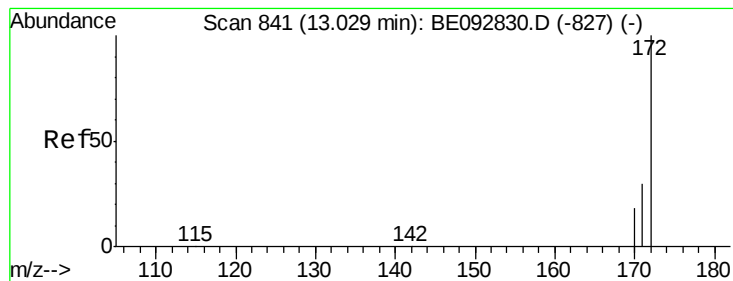
Tgt Ion:164 Resp: 19719
 Ion Ratio Lower Upper
 164 100
 162 104.6 71.4 107.0
 160 46.7 27.4 41.2#



#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#

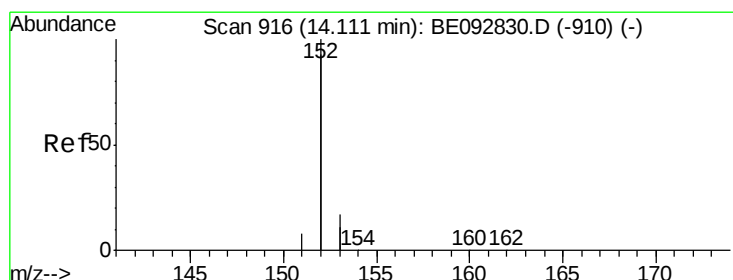
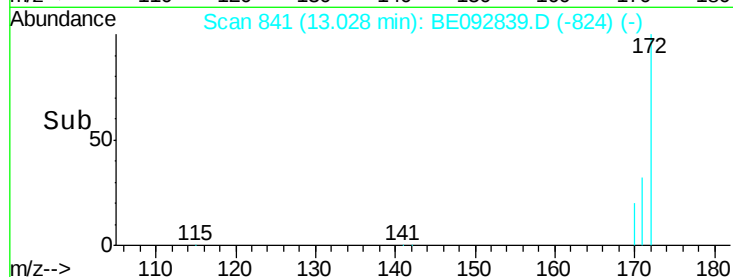
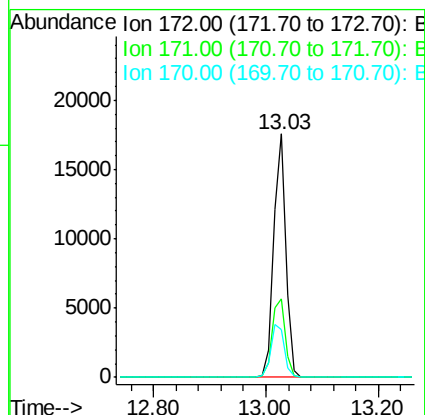
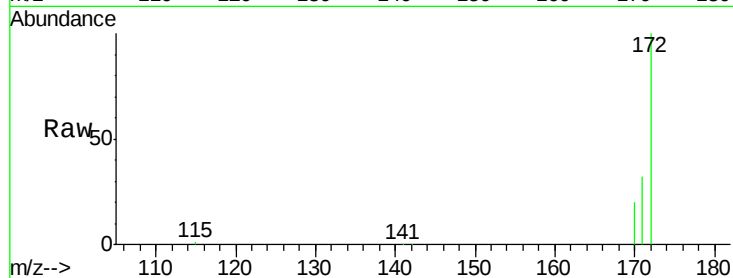




#14
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 13.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

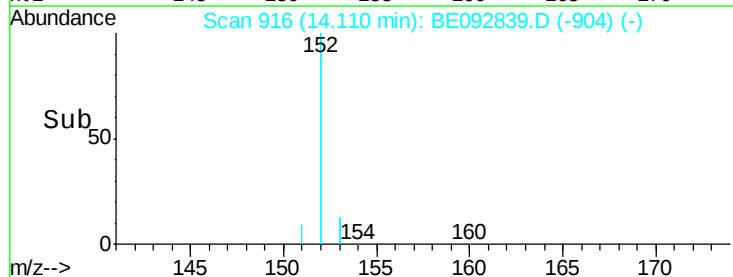
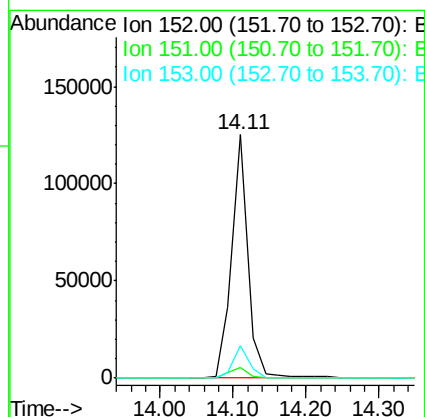
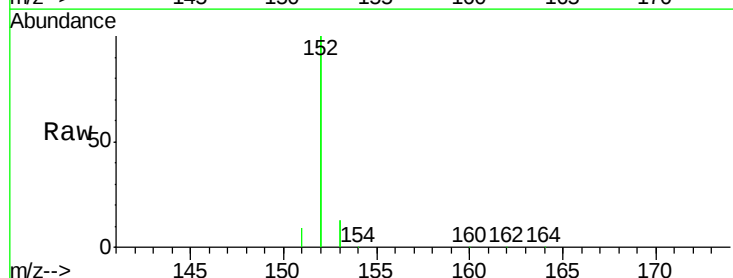
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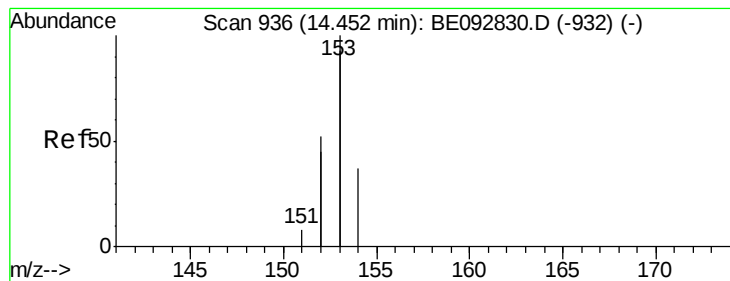
Tgt Ion:172 Resp: 26381
Ion Ratio Lower Upper
172 100
171 32.4 30.1 45.1
170 19.8 21.8 32.6#



#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

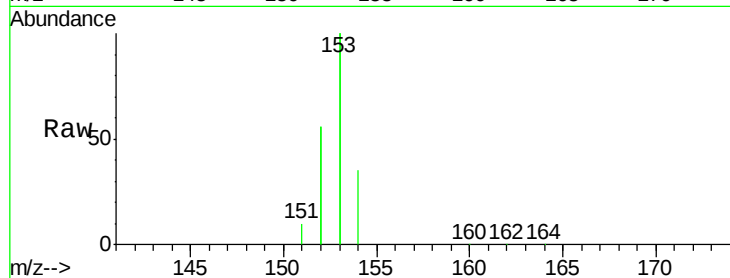
Tgt Ion:154 Resp: 12579

Ion Ratio Lower Upper

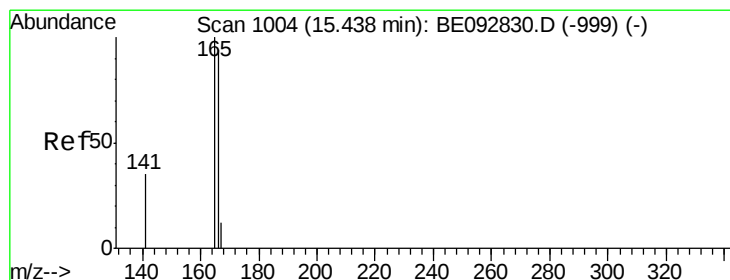
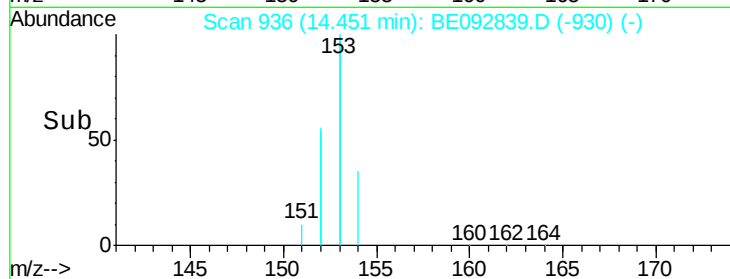
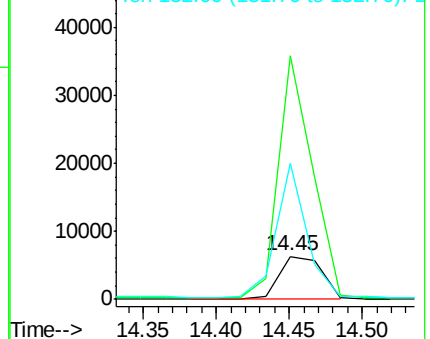
154 100

153 459.8 350.8 526.2

152 225.1 171.1 256.7



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



#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

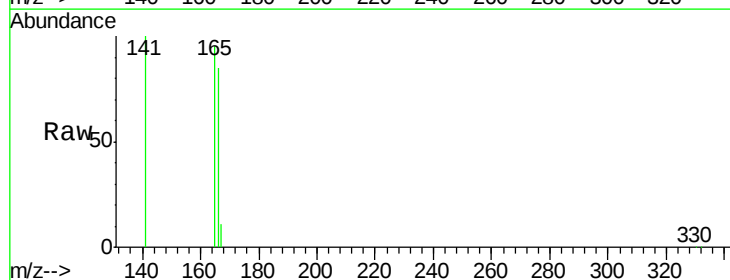
Tgt Ion:166 Resp: 14521

Ion Ratio Lower Upper

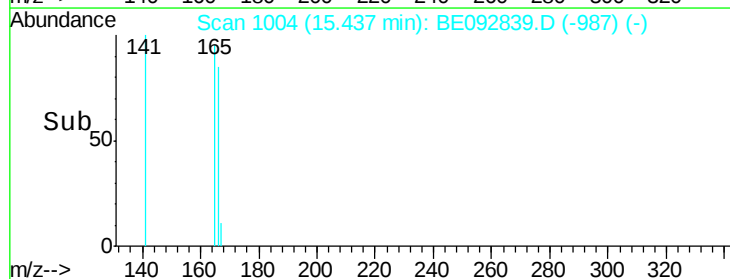
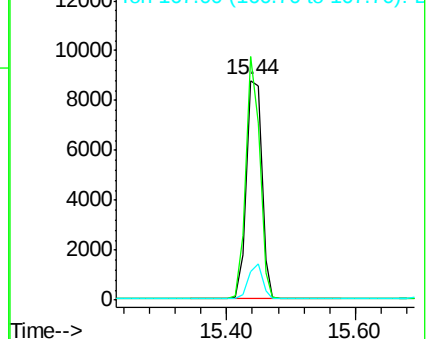
166 100

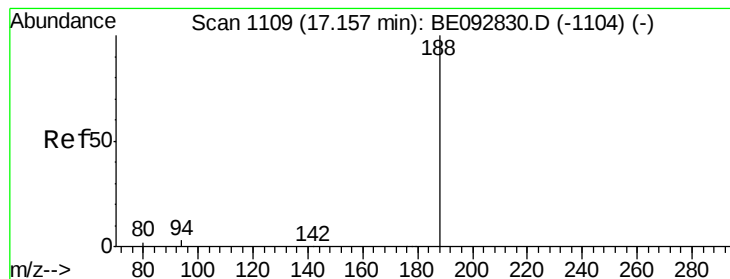
165 98.7 78.2 117.4

167 14.5 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#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

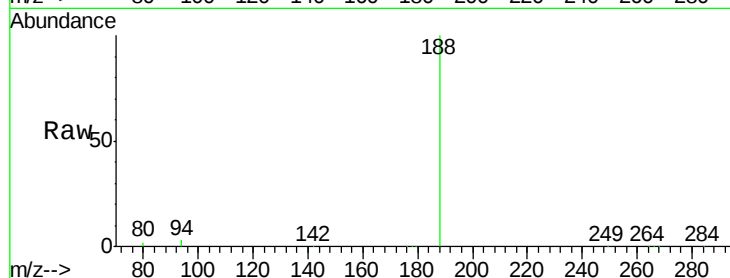
Tgt Ion:188 Resp: 41520

Ion Ratio Lower Upper

188 100

94 3.0 3.2 4.8#

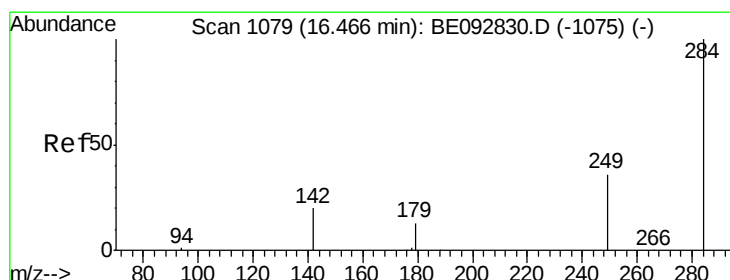
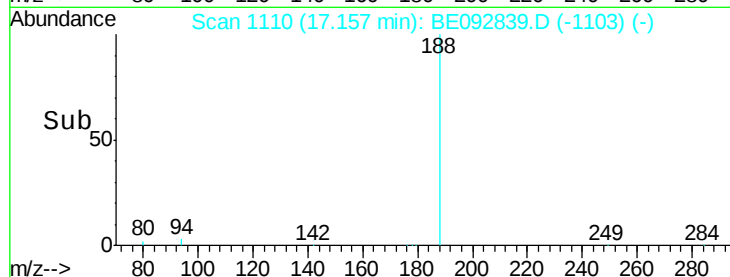
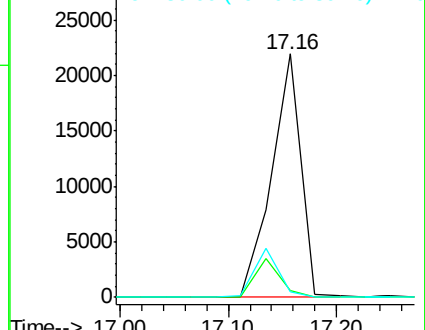
80 2.3 2.6 3.8#



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

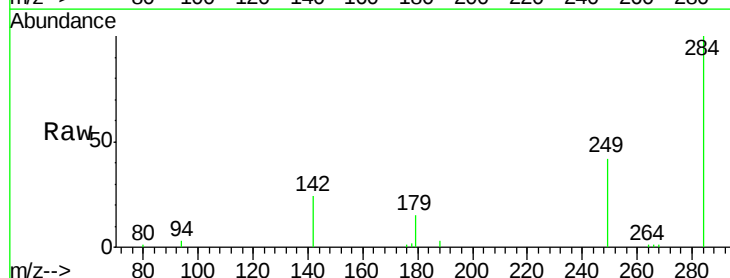
Tgt Ion:284 Resp: 6314

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

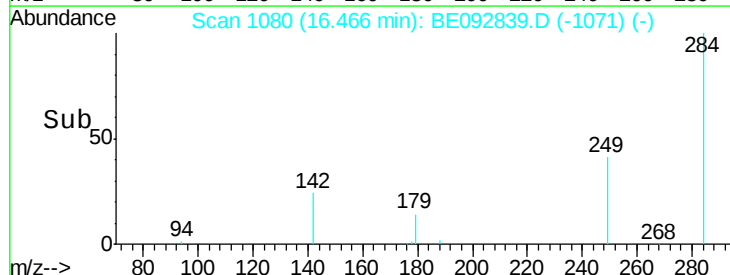
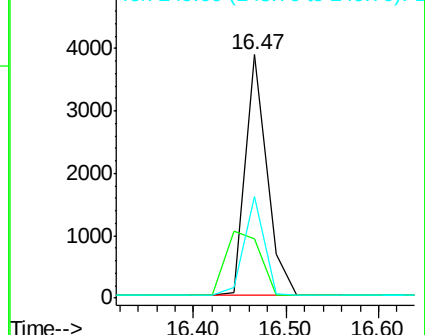
249 38.0 27.9 41.9

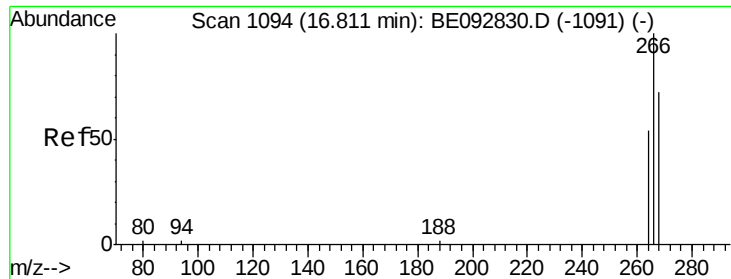


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

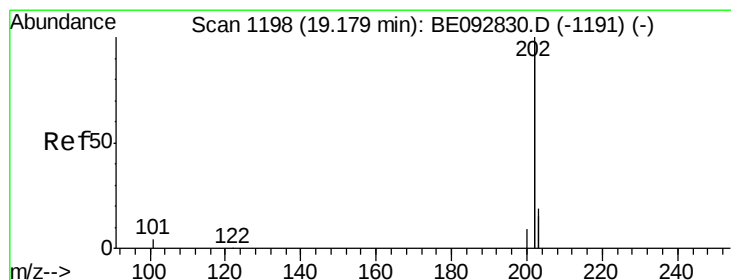
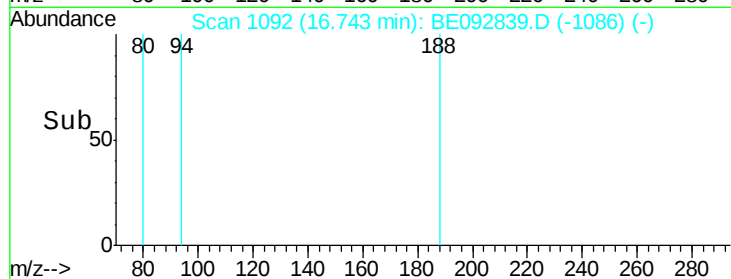
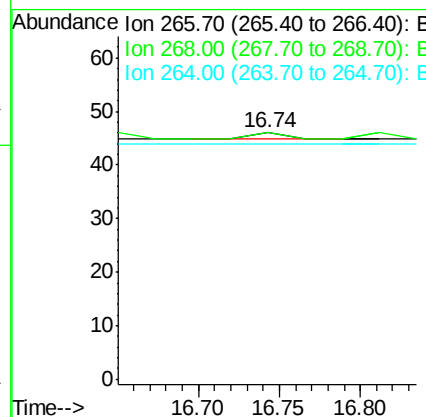
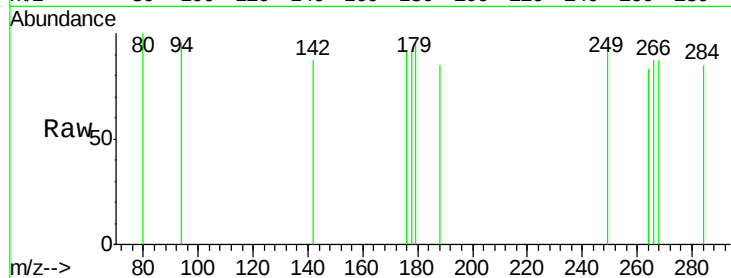




#20
 Pentachlorophenol
 Concen: 0.23 ng
 RT: 16.74 min Scan# 1092
 Delta R.T. -0.07 min
 Lab File: BE092839.D
 Acq: 28 Mar 2017 16:39

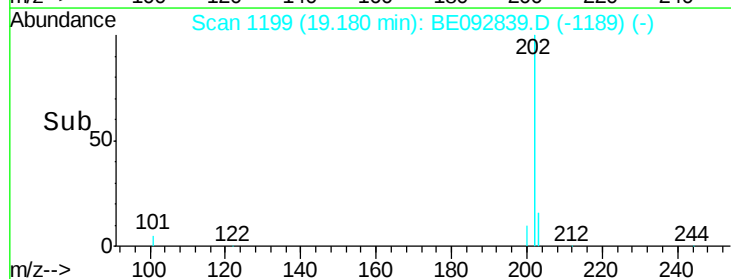
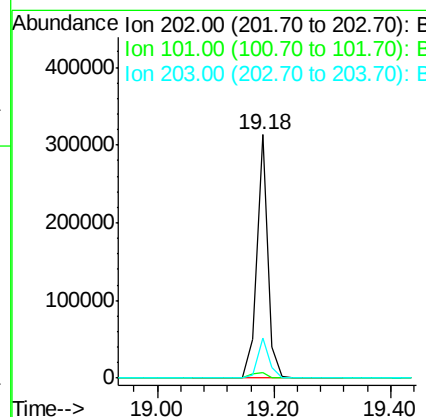
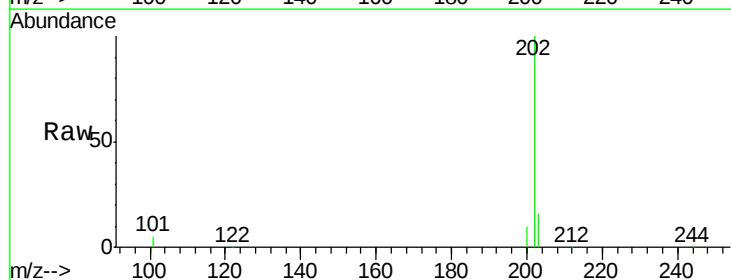
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

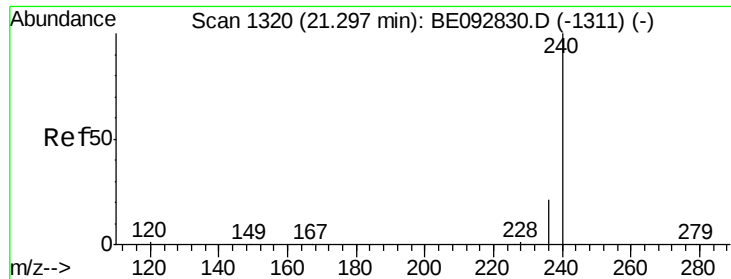
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 268 100.0 62.5 93.7#
 264 95.7 57.2 85.8#



#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

Tgt Ion: 202 Resp: 416261
 Ion Ratio Lower Upper
 202 100
 101 3.2 2.2 3.4
 203 17.2 13.7 20.5

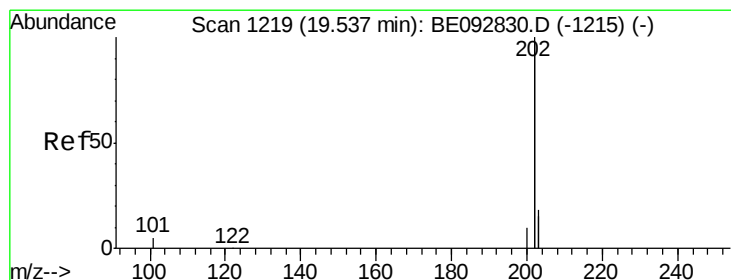
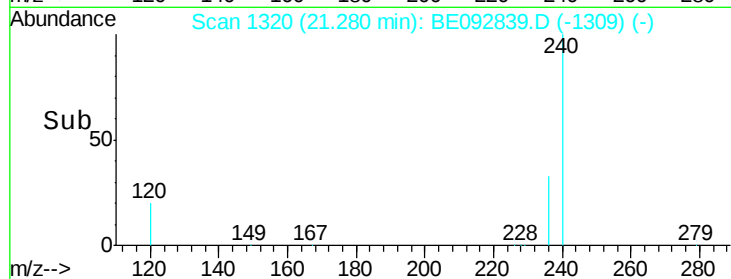
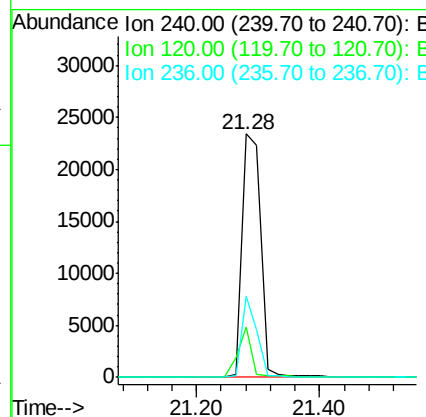
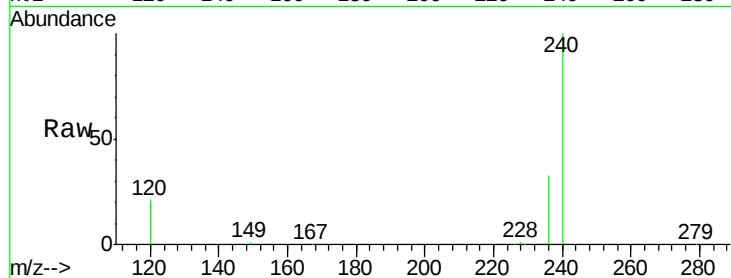




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BE092839.D
Acq: 28 Mar 2017 16:39

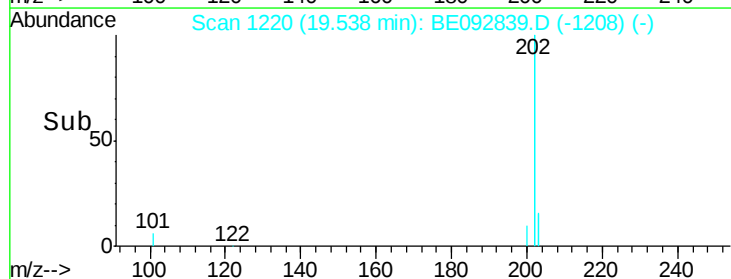
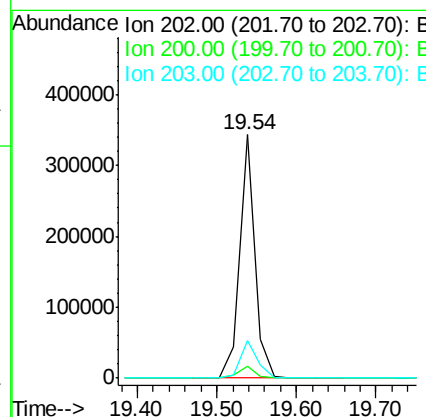
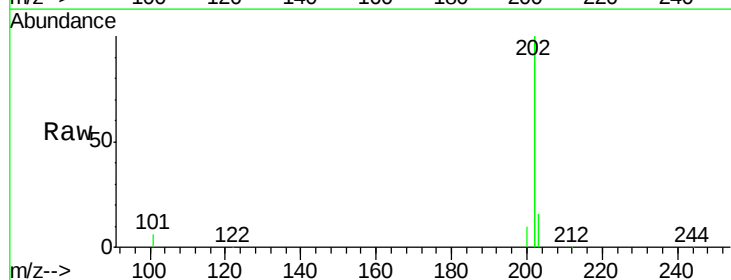
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

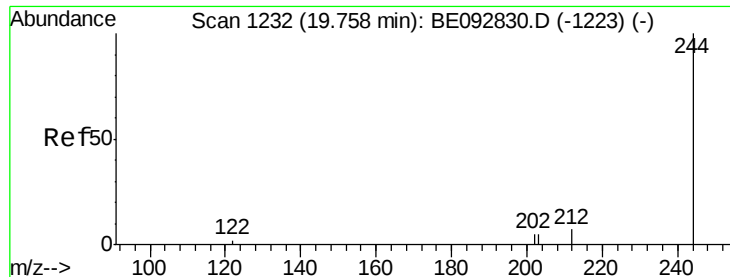
Tgt Ion:240 Resp: 49222
Ion Ratio Lower Upper
240 100
120 20.6 2.6 4.0#
236 33.4 24.6 37.0



#25
Pyrene
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

Tgt Ion:202 Resp: 458033
Ion Ratio Lower Upper
202 100
200 5.1 4.2 6.4
203 17.6 13.9 20.9

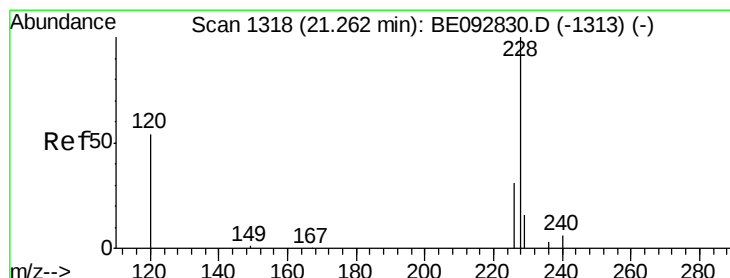
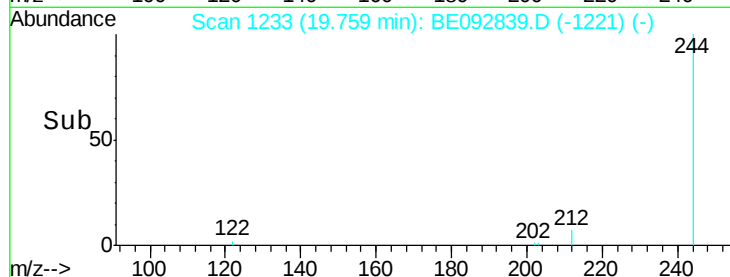
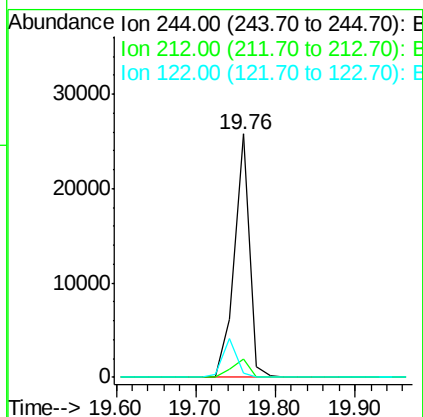
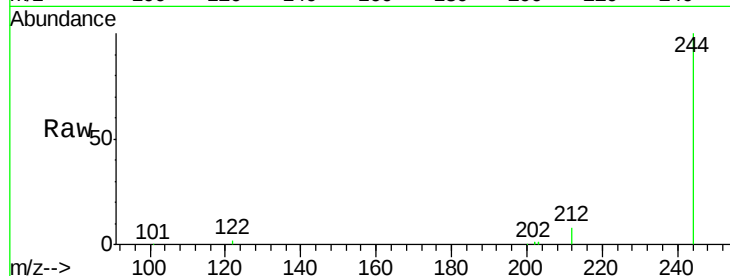




#26
 Terphenyl-d14
 Concen: 3.99 ng
 RT: 19.76 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE092839.D
 Acq: 28 Mar 2017 16:39

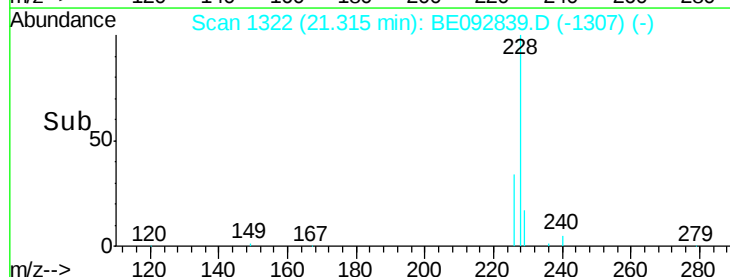
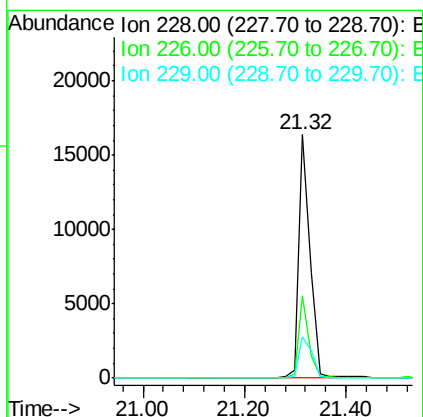
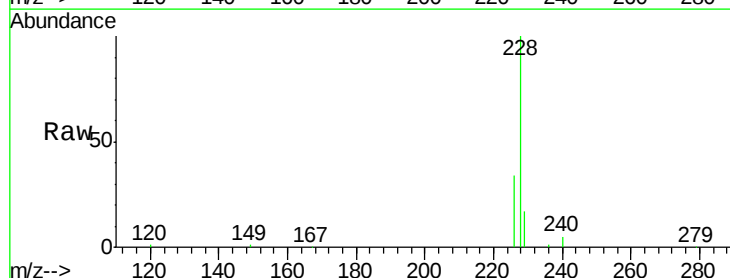
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

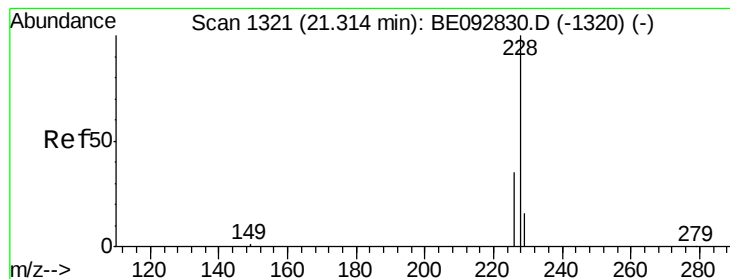
Tgt Ion: 244 Resp: 33919
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.7 10.1
 122 1.9 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 2.18 ng
 RT: 21.32 min Scan# 1322
 Delta R.T. 0.05 min
 Lab File: BE092839.D
 Acq: 28 Mar 2017 16:39

Tgt Ion: 228 Resp: 25367
 Ion Ratio Lower Upper
 228 100
 226 33.8 23.6 35.4
 229 17.0 13.3 19.9





#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

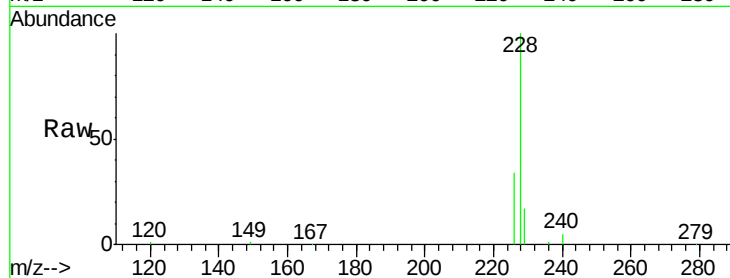
Tgt Ion:228 Resp: 25484

Ion Ratio Lower Upper

228 100

226 33.8 36.3 54.5#

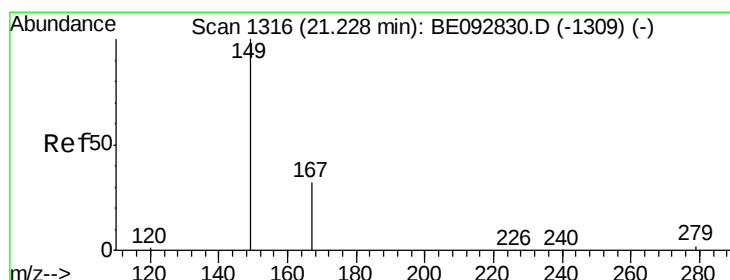
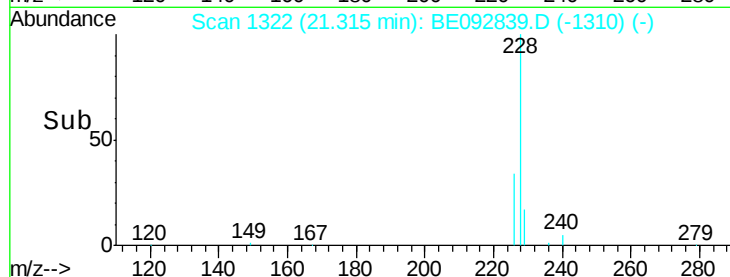
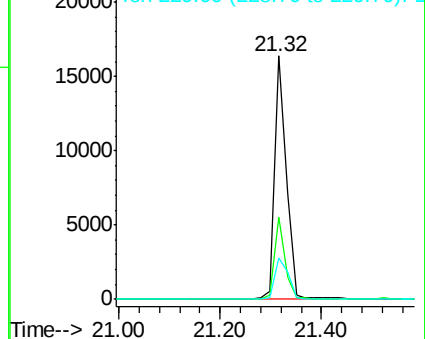
229 17.0 10.6 16.0#



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

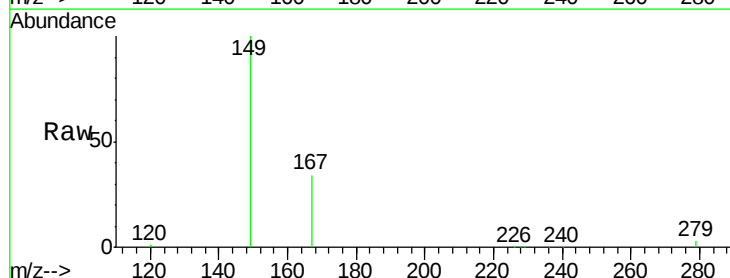
Tgt Ion:149 Resp: 30776

Ion Ratio Lower Upper

149 100

167 28.0 16.0 24.0#

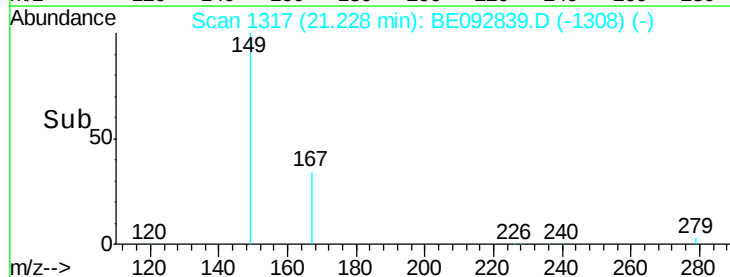
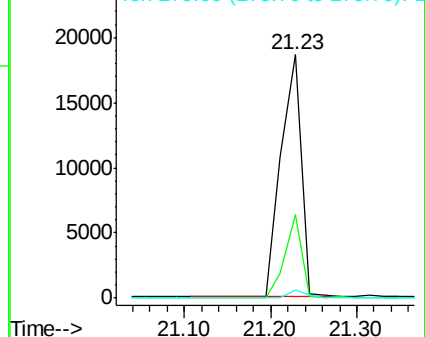
279 2.5 16.0 24.0#

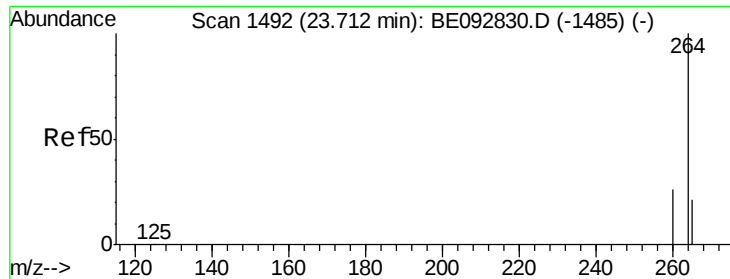


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Perylene-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

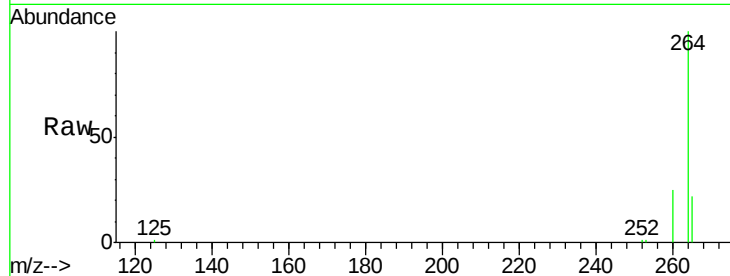
Tgt Ion:264 Resp: 44326

Ion Ratio Lower Upper

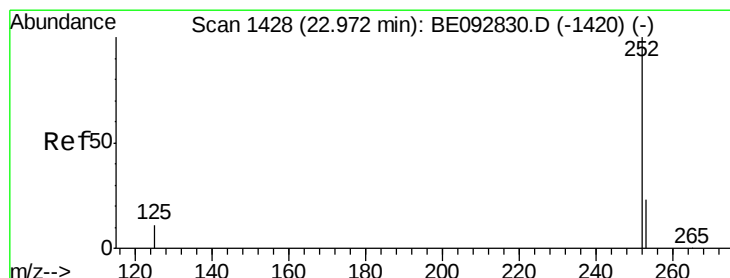
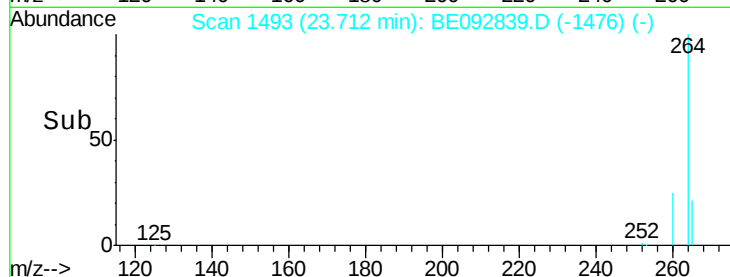
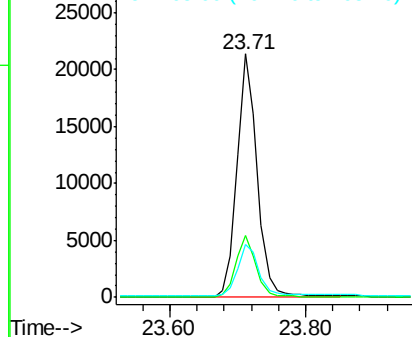
264 100

260 25.3 20.1 30.1

265 21.5 17.9 26.9



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



#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

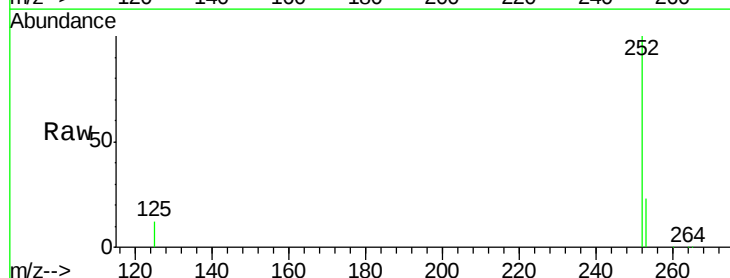
Tgt Ion:252 Resp: 76761

Ion Ratio Lower Upper

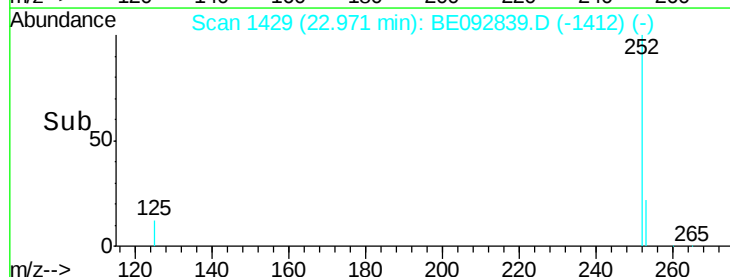
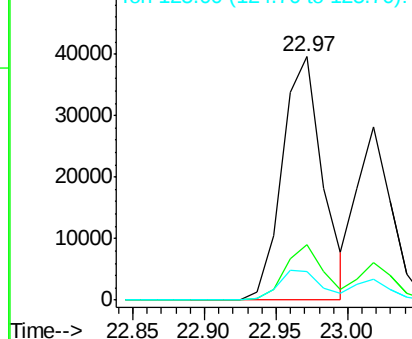
252 100

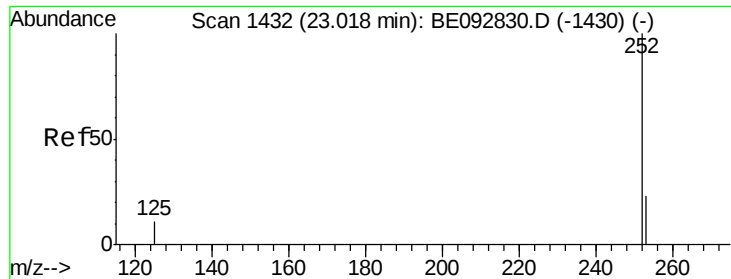
253 22.6 18.7 28.1

125 11.8 10.5 15.7



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





#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

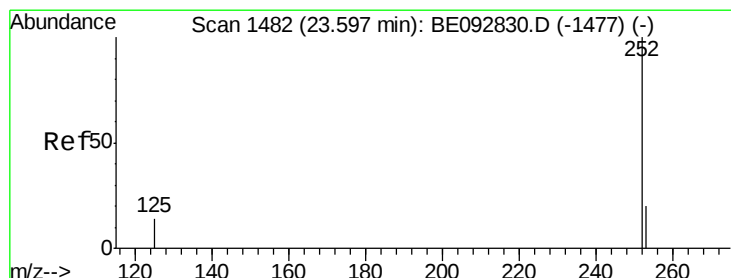
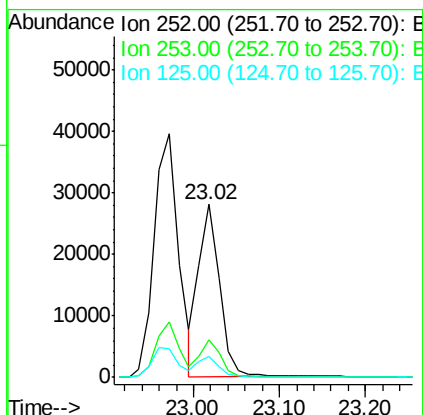
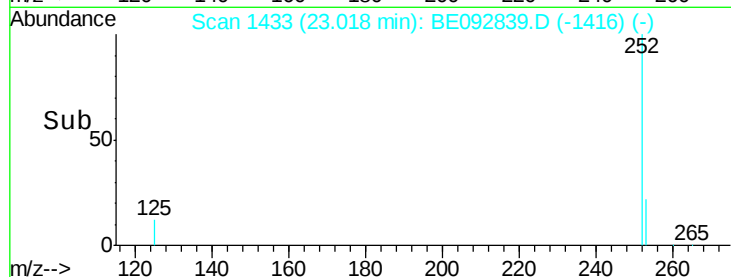
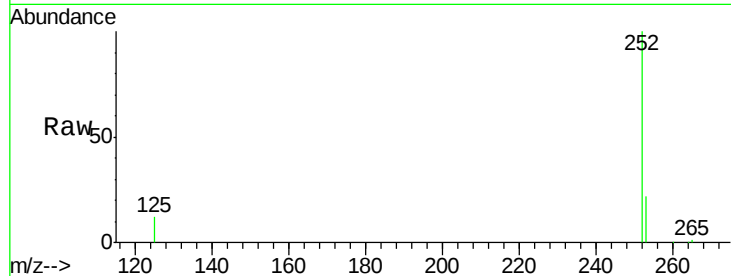
Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

Tgt 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

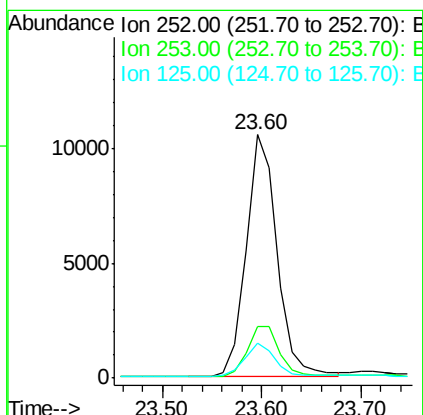
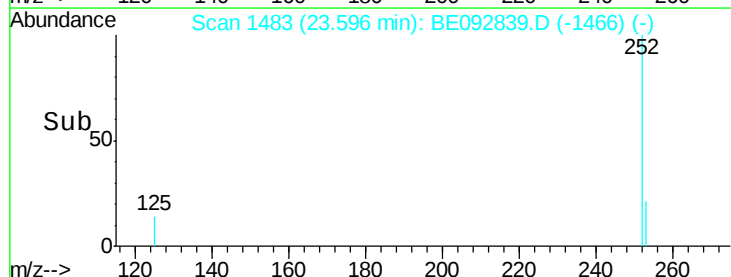
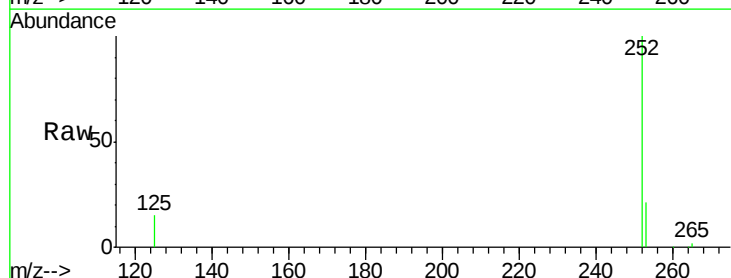
RT: 23.60 min Scan# 1483

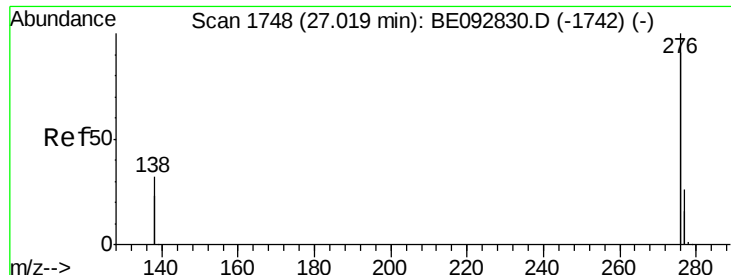
Delta R.T. -0.00 min

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(g,h,i)perylene

Concen: 8.72 ng

RT: 27.04 min Scan# 1750

Delta R.T. 0.02 min

Lab File: BE092839.D

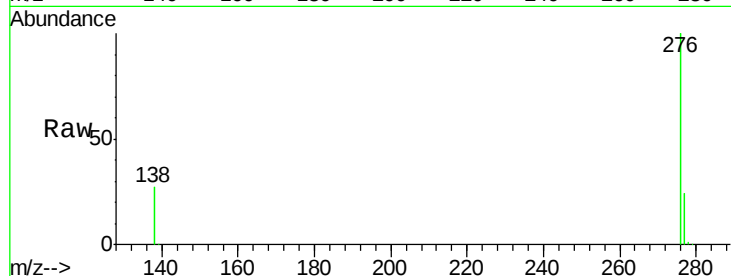
Acq: 28 Mar 2017 16:39

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP



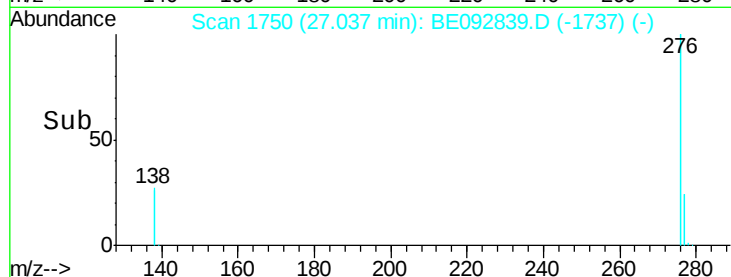
Tgt Ion: 276 Resp: 374915

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

