

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030717\
 Data File : BE092808.D
 Acq On : 7 Mar 2017 16:28
 Operator : SJ/MA
 Sample : I2052-01DL 150X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

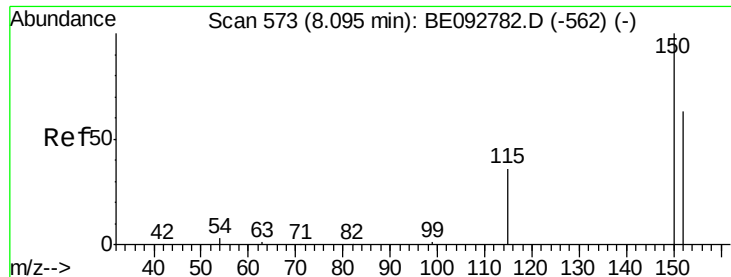
Instrument :
 BNA_E
 ClientSampleId :
 CPS093051DL

Quant Time: Mar 07 17:48:15 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 15:46:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	7754	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	33226	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	19756	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	51482	5.00	ng	0.00
24) Chrysene-d12	21.68	240	68142	5.00	ng	-0.02
31) Perylene-d12	24.01	264	59839	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng	
5) Phenol-d6	7.15	99	1	0.00	ng	-0.16
8) Nitrobenzene-d5	9.25	82	3	0.00	ng	-0.07
13) 2,4,6-Tribromophenol	16.30	330	37	0.07	ng	0.01
14) 2-Fluorobiphenyl	13.46	172	236	0.05	ng	0.06
26) Terphenyl-d14	20.14	244	472	0.06	ng	0.00
Target Compounds						
9) Naphthalene	10.93	128	174	0.02	ng	# 1
11) 2-Methylnaphthalene	12.64	142	168	0.04	ng	# 71
20) Pentachlorophenol	17.19	266	728	1.03	ng	91
27) Benzo(a)anthracene	21.68	228	1277	0.08	ng	# 67
28) Chrysene	21.68	228	1285	0.02	ng	# 69
32) Benzo(b)fluoranthene	23.30	252	392	0.02	ng	# 1
33) Benzo(k)fluoranthene	23.30	252	395	0.02	ng	# 1

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

```
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Misc      :
ALS Vial  : 5 Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.09 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Instrument :

BNA_E

ClientSampleId :

CPS093051DL

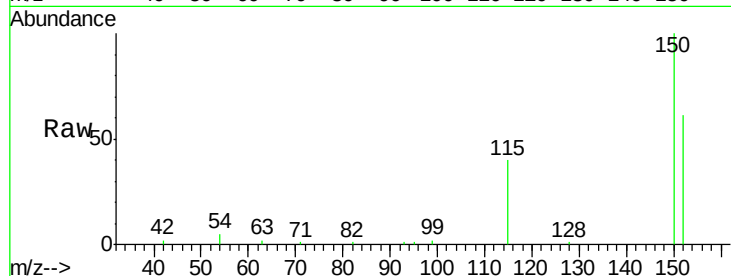
Tgt Ion:152 Resp: 7754

Ion Ratio Lower Upper

152 100

150 165.2 106.0 159.0#

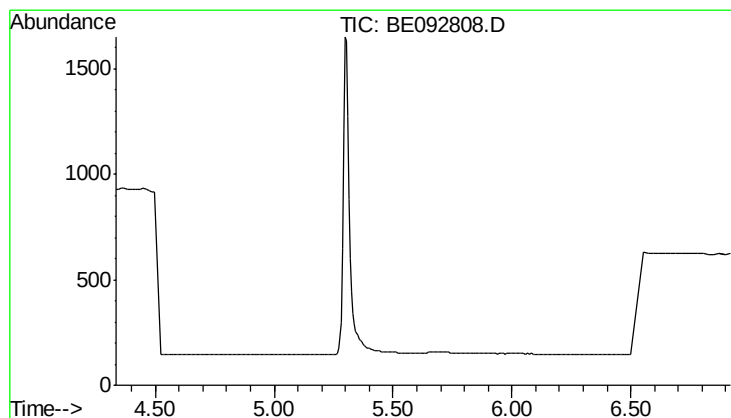
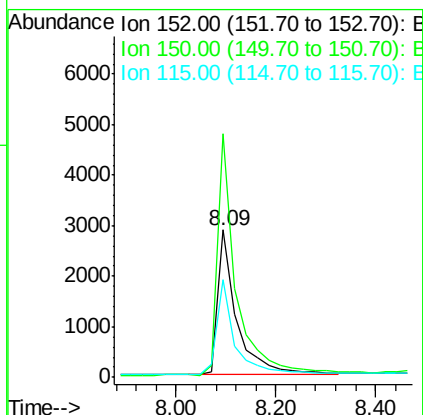
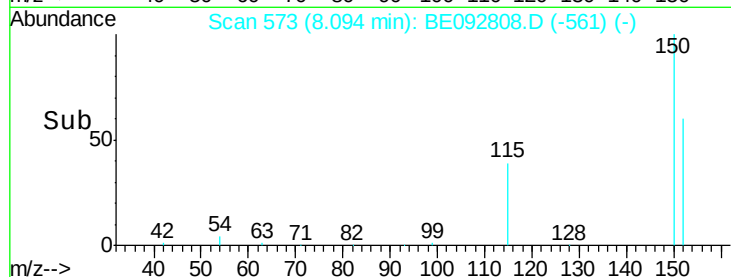
115 66.3 31.2 46.8#



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: 0.00 ng

Expected RT: 5.63 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

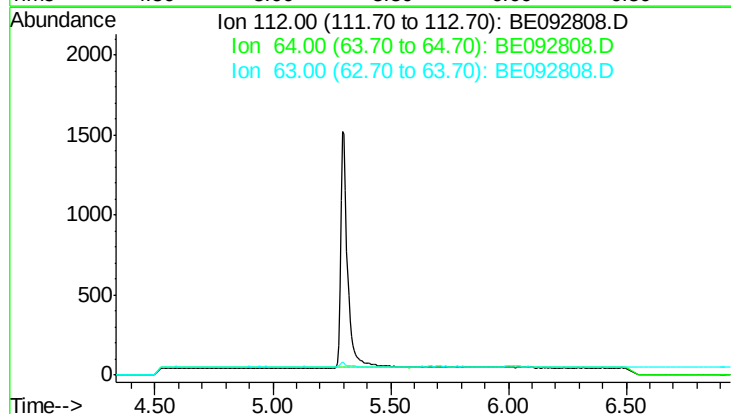
Tgt Ion: 112

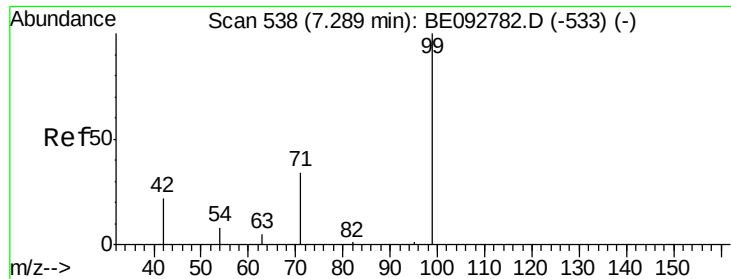
Sig Exp Ratio

112 100

64 66.9

63 34.9





#5

Phenol-d6

Concen: 0.00 ng

RT: 7.15 min Scan# 532

Delta R.T. -0.16 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

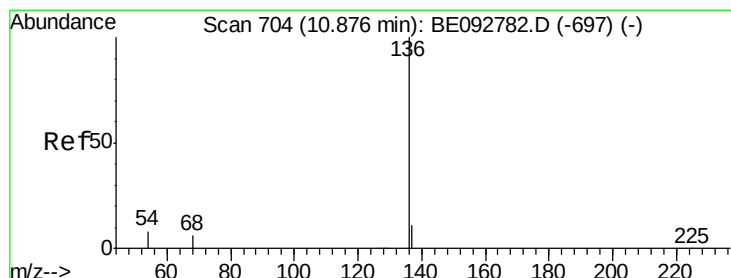
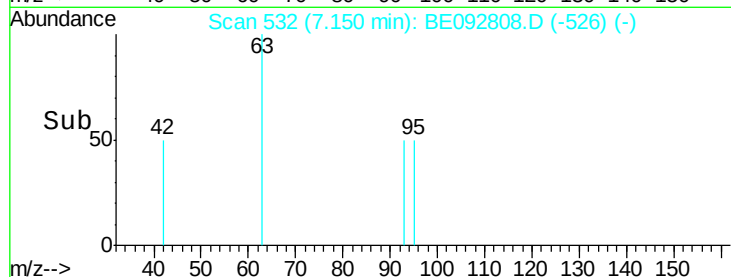
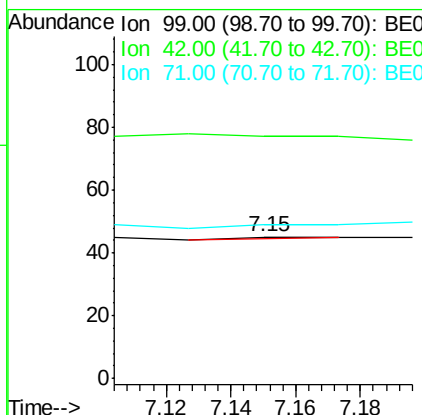
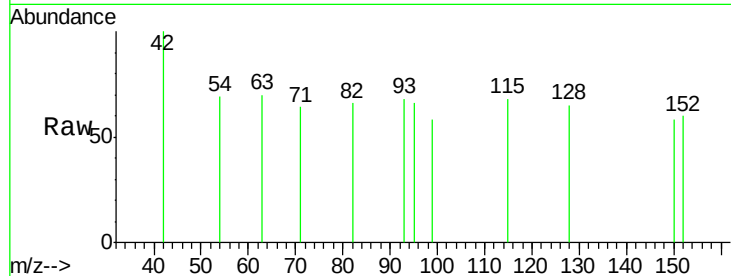
Instrument :

BNA_E

ClientSampleId :

CPS093051DL

Tgt Ion:	99	Resp:	1
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#



#7

Naphthalene-d8

Concen: 5.00 ng

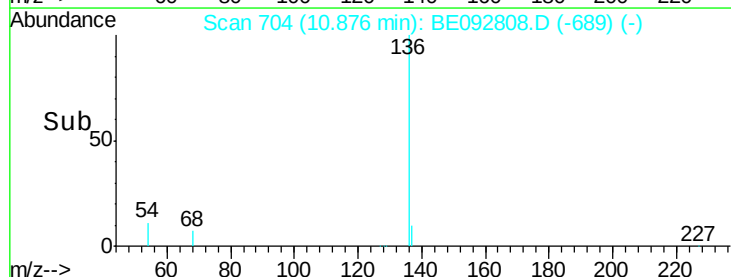
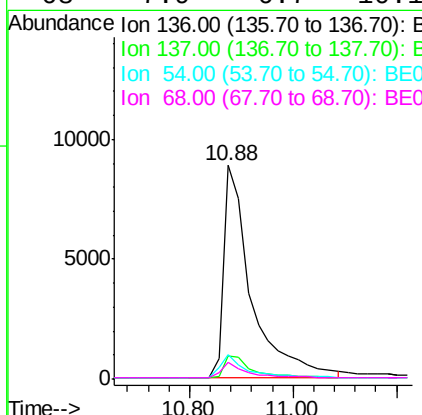
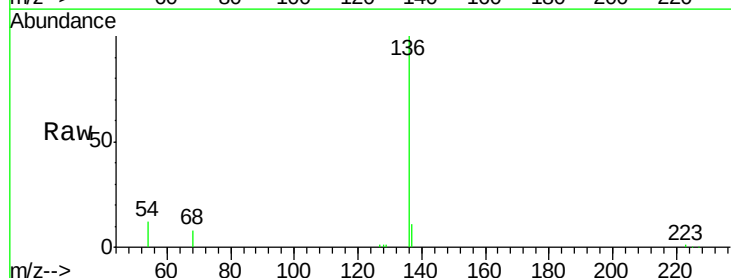
RT: 10.88 min Scan# 704

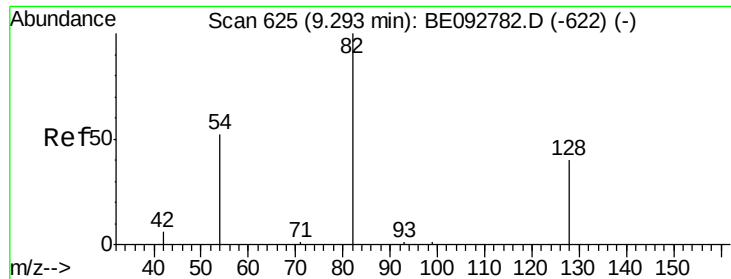
Delta R.T. -0.02 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Tgt Ion:	136	Resp:	33226
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	11.6	9.6	14.4
68	7.9	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.00 ng

RT: 9.25 min Scan# 623

Delta R.T. -0.07 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

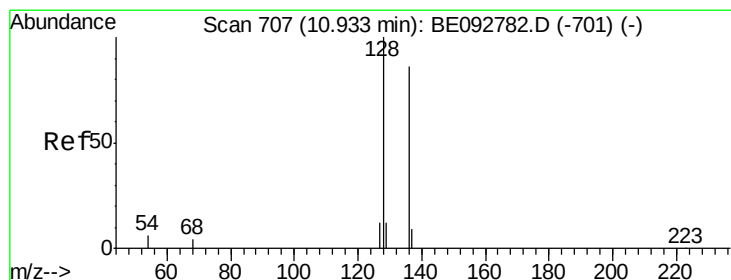
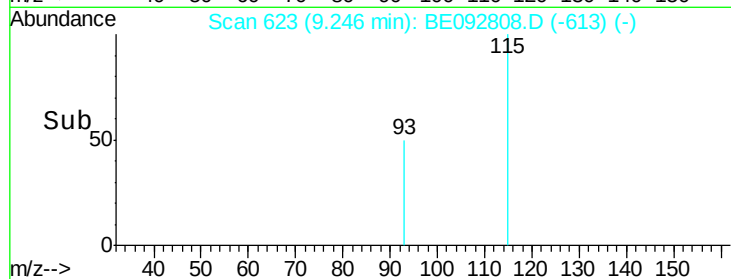
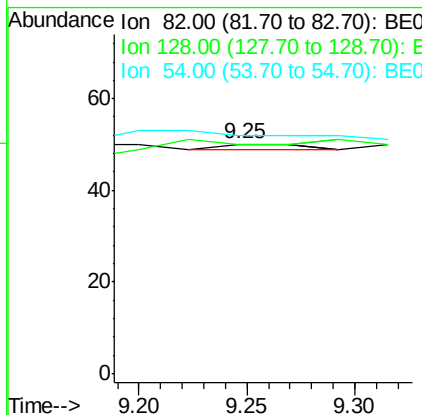
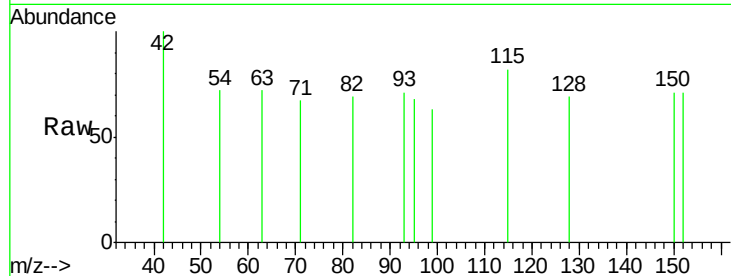
Instrument :

BNA_E

ClientSampleId :

CPS093051DL

Tgt Ion:	82	Resp:	3
Ion	Ratio	Lower	Upper
82	100		
128	100.0	39.0	58.4#
54	104.0	44.8	67.2#



#9

Naphthalene

Concen: 0.02 ng

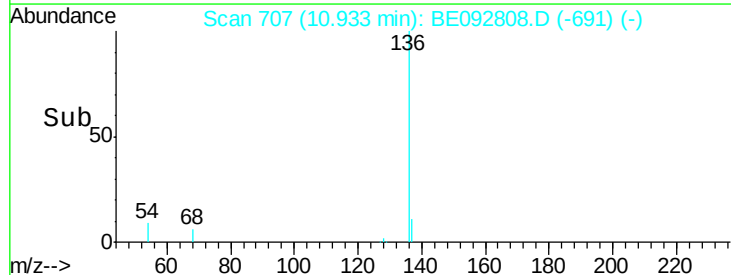
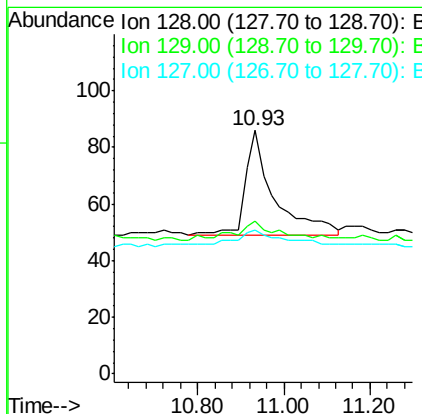
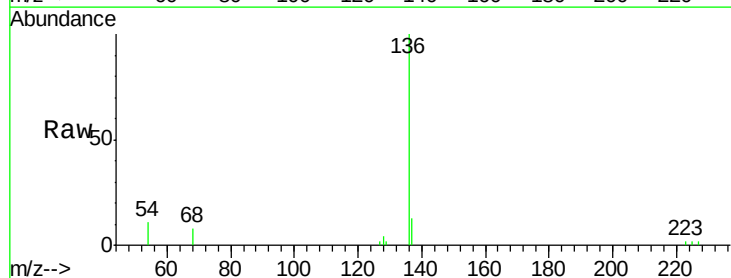
RT: 10.93 min Scan# 707

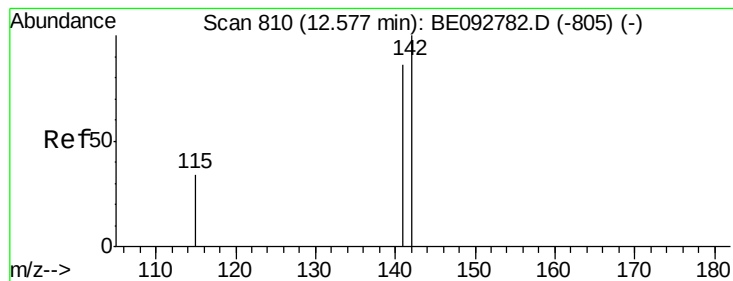
Delta R.T. -0.00 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Tgt Ion:	128	Resp:	174
Ion	Ratio	Lower	Upper
128	100		
129	62.8	11.2	16.8#
127	59.3	11.6	17.4#





#11

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.64 min Scan# 815

Delta R.T. 0.05 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Instrument :

BNA_E

ClientSampleId :

CPS093051DL

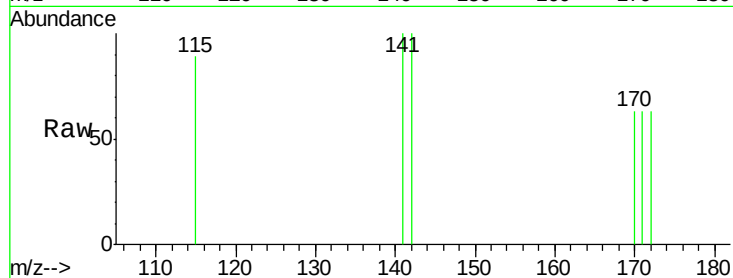
Tgt Ion:142 Resp: 168

Ion Ratio Lower Upper

142 100

141 100.0 73.7 110.5

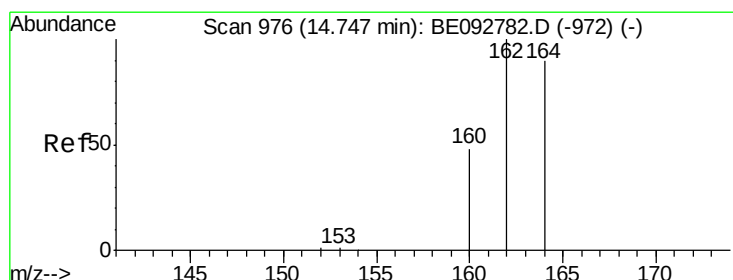
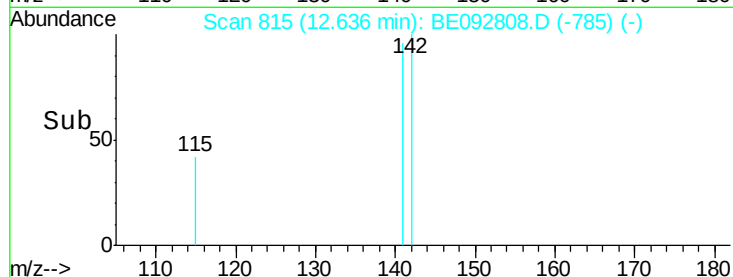
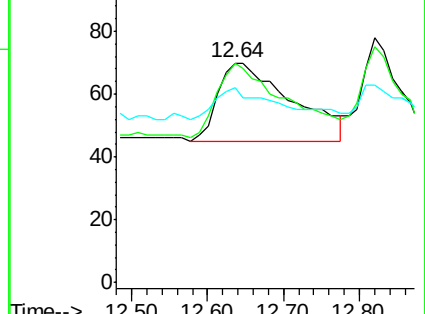
115 88.6 34.0 51.0#



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: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

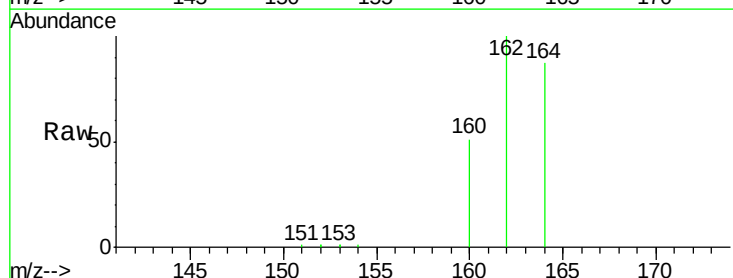
Tgt Ion:164 Resp: 19756

Ion Ratio Lower Upper

164 100

162 114.3 71.4 107.0#

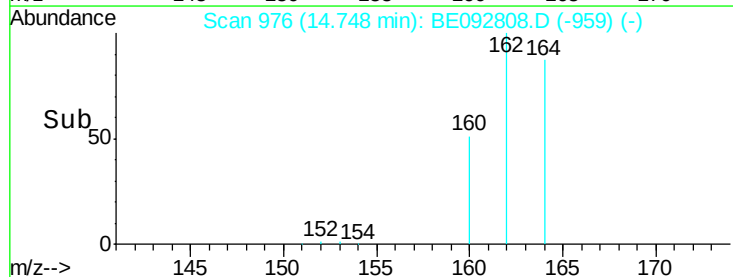
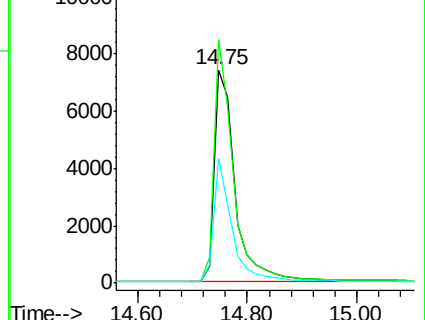
160 58.7 27.4 41.2#

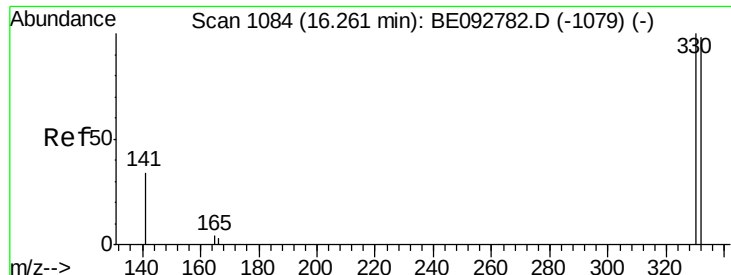


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

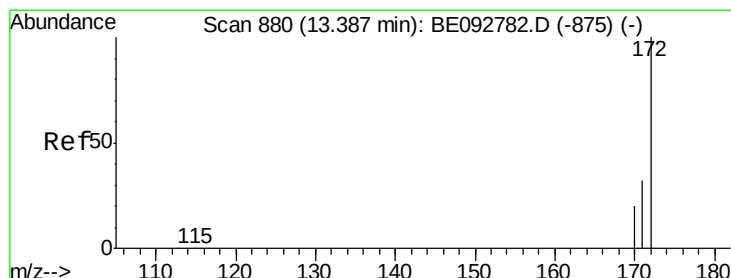
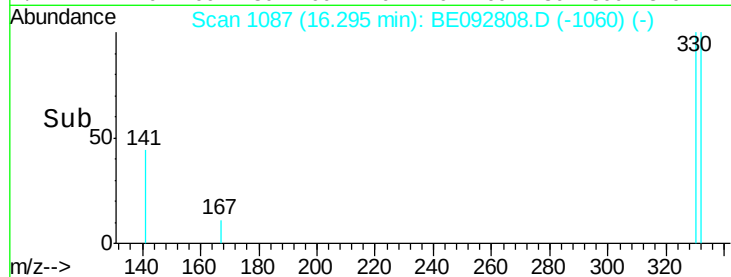
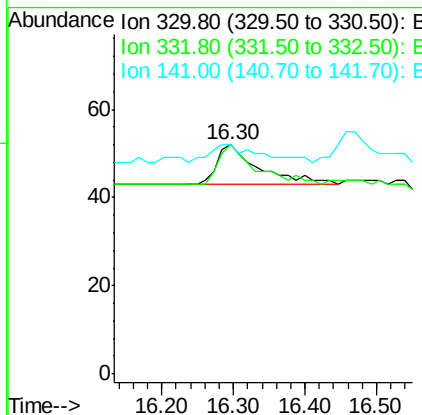
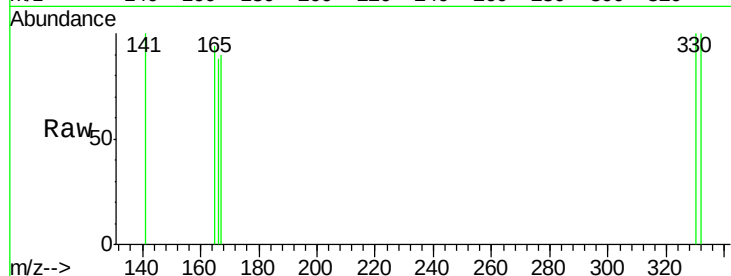




#13
 2,4,6-Tribromophenol
 Concen: 0.07 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. 0.01 min
 Lab File: BE092808.D
 Acq: 7 Mar 2017 16:28

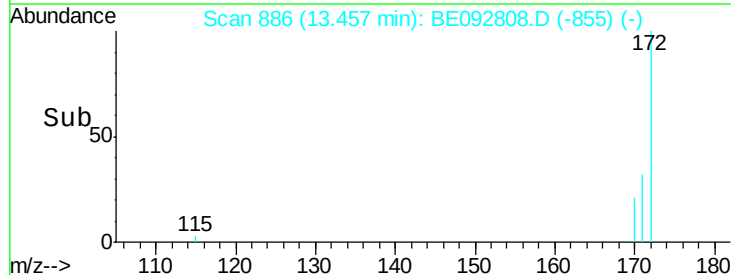
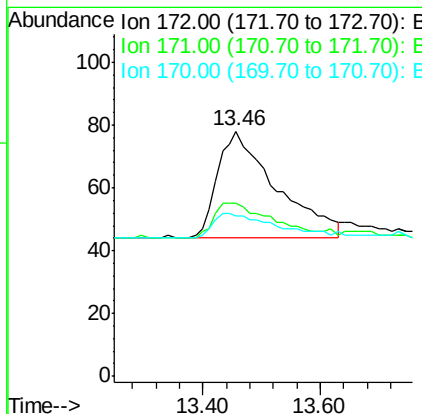
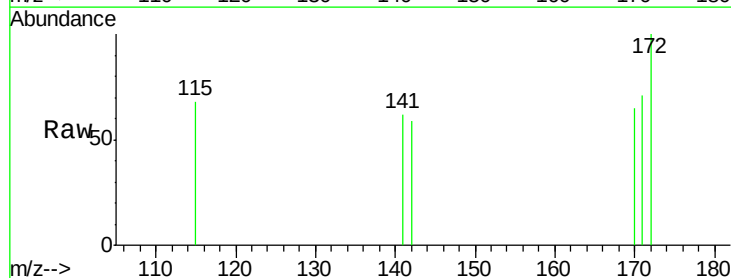
Instrument :
 BNA_E
 ClientSampleId :
 CPS093051DL

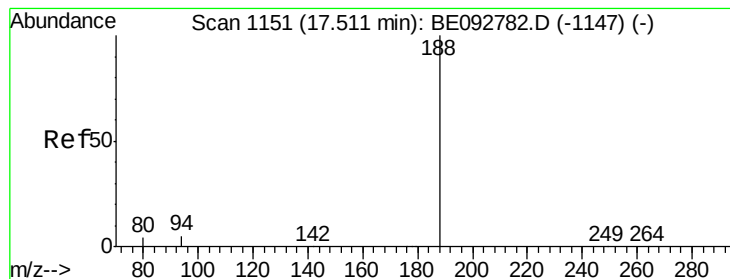
Tgt Ion: 330 Resp: 37
 Ion Ratio Lower Upper
 330 100
 332 89.2 75.4 113.0
 141 51.4 31.0 46.6#



#14
 2-Fluorobiphenyl
 Concen: 0.05 ng
 RT: 13.46 min Scan# 886
 Delta R.T. 0.06 min
 Lab File: BE092808.D
 Acq: 7 Mar 2017 16:28

Tgt Ion: 172 Resp: 236
 Ion Ratio Lower Upper
 172 100
 171 70.5 30.1 45.1#
 170 65.4 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.51 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Instrument :

BNA_E

ClientSampleId :

CPS093051DL

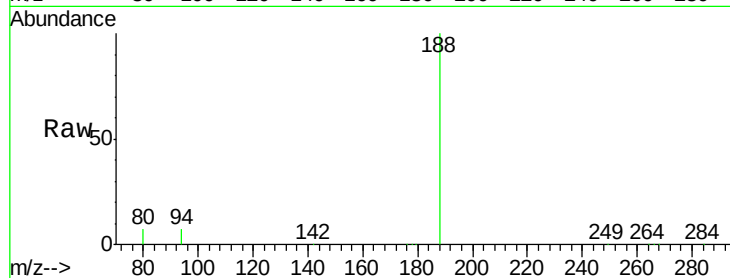
Tgt Ion:188 Resp: 51482

Ion Ratio Lower Upper

188 100

94 7.2 3.2 4.8#

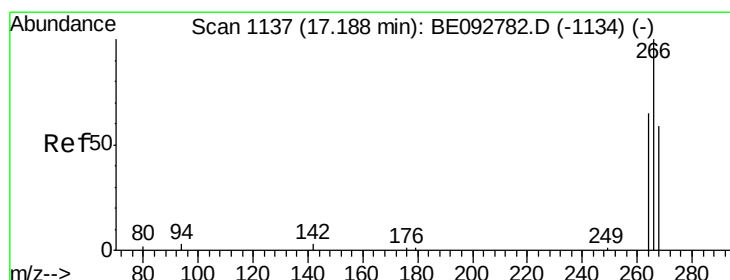
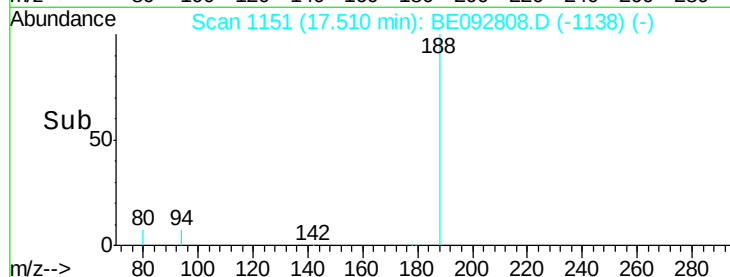
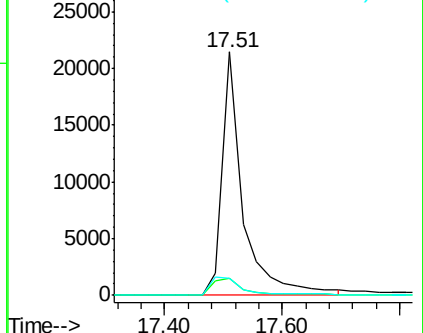
80 6.9 2.6 3.8#



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



#20

Pentachlorophenol

Concen: 1.03 ng

RT: 17.19 min Scan# 1137

Delta R.T. -0.12 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

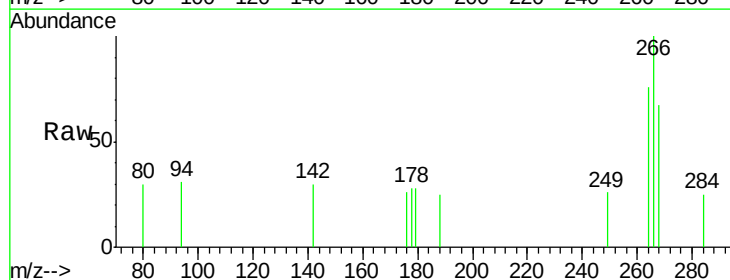
Tgt Ion:266 Resp: 728

Ion Ratio Lower Upper

266 100

268 67.4 62.5 93.7

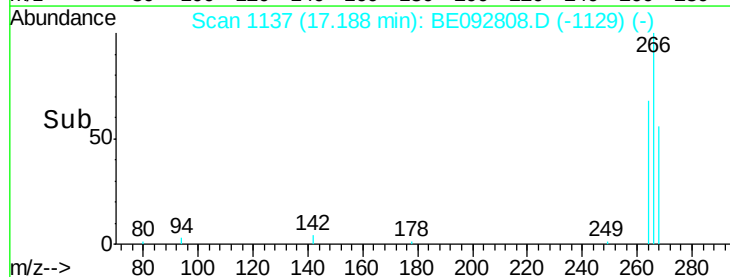
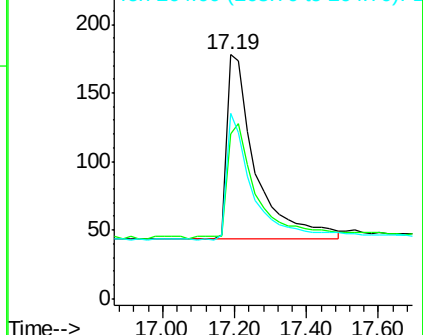
264 75.8 57.2 85.8

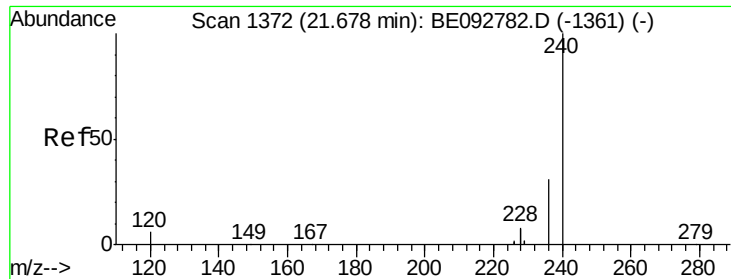


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

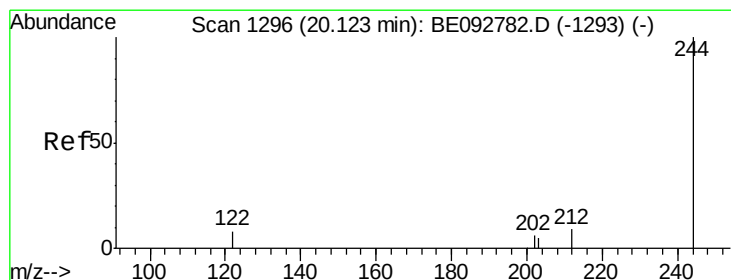
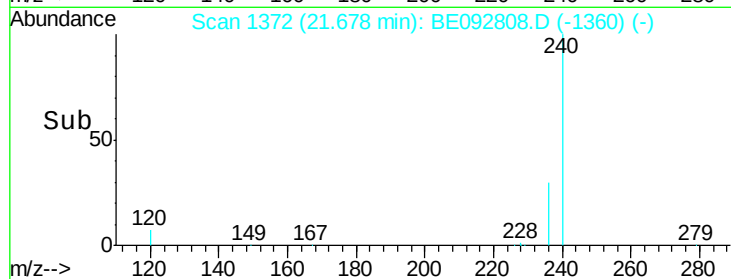
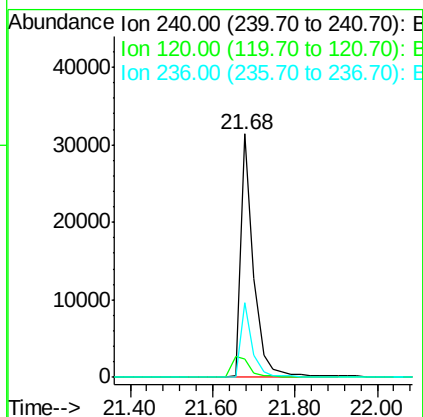
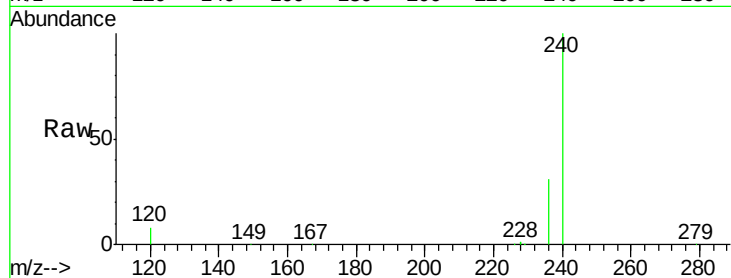




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.68 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092808.D
 Acq: 7 Mar 2017 16:28

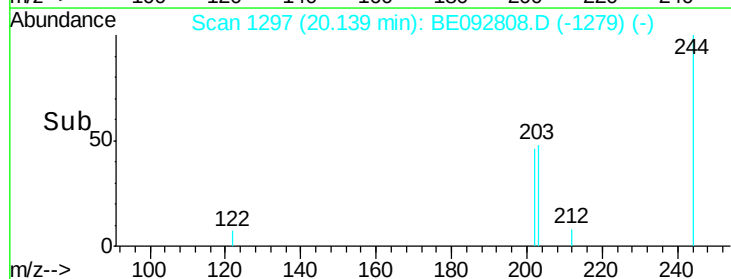
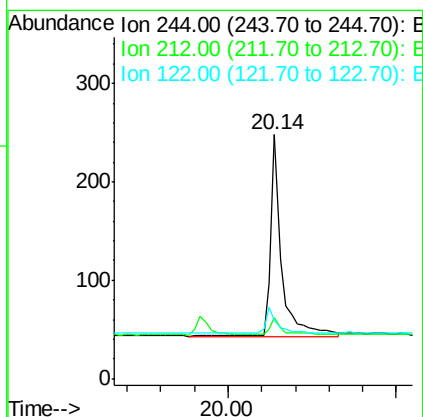
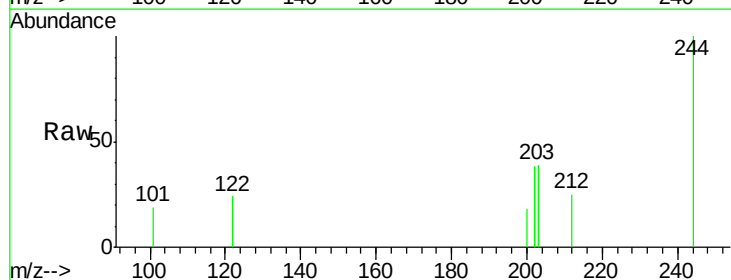
Instrument :
 BNA_E
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 CPS093051DL

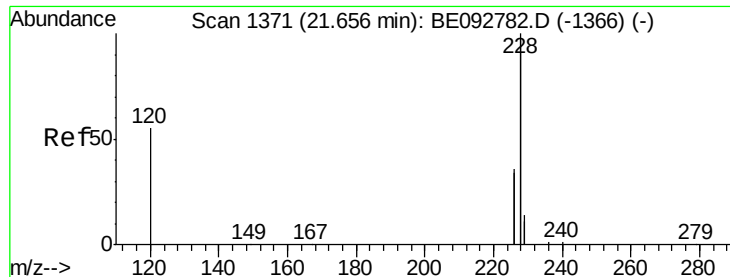
Tgt Ion:240 Resp: 68142
 Ion Ratio Lower Upper
 240 100
 120 7.6 2.6 4.0#
 236 30.6 24.6 37.0



#26
 Terphenyl-d14
 Concen: 0.06 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BE092808.D
 Acq: 7 Mar 2017 16:28

Tgt Ion:244 Resp: 472
 Ion Ratio Lower Upper
 244 100
 212 25.0 6.7 10.1#
 122 24.2 3.6 5.4#

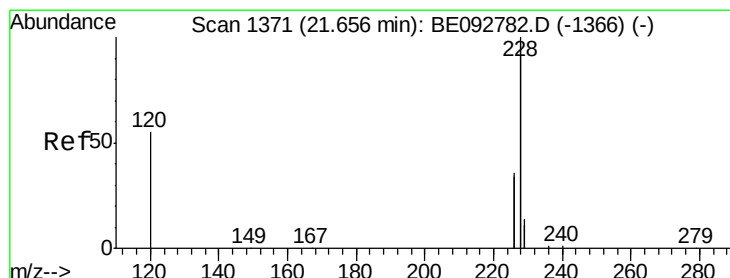
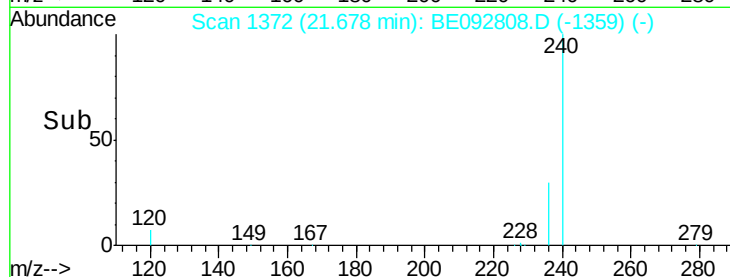
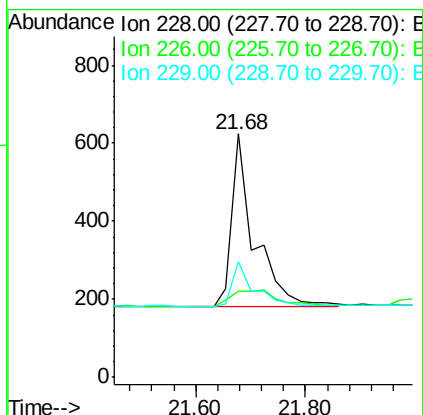
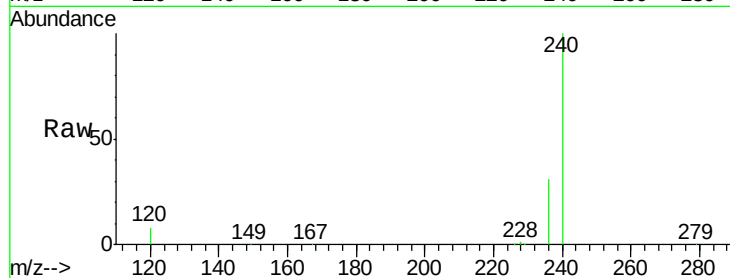




#27
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.68 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092808.D
Acq: 7 Mar 2017 16:28

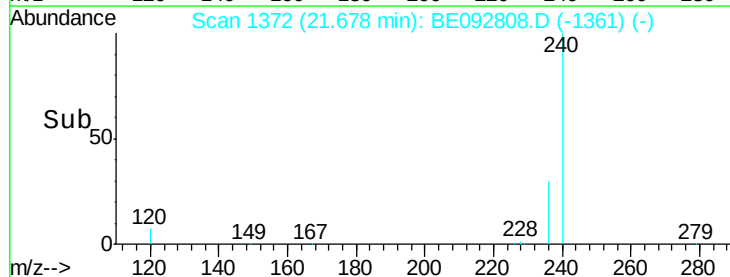
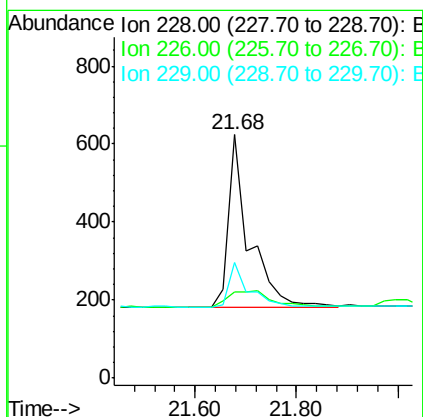
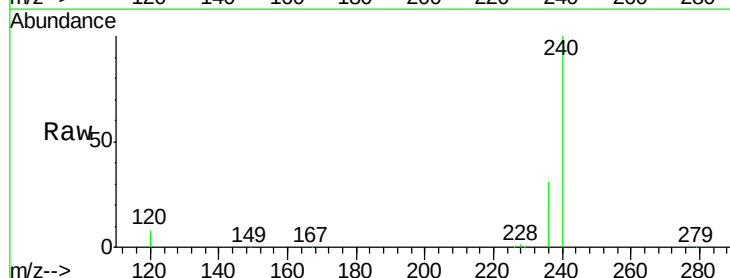
Instrument :
BNA_E
ClientSampleId :
CPS093051DL

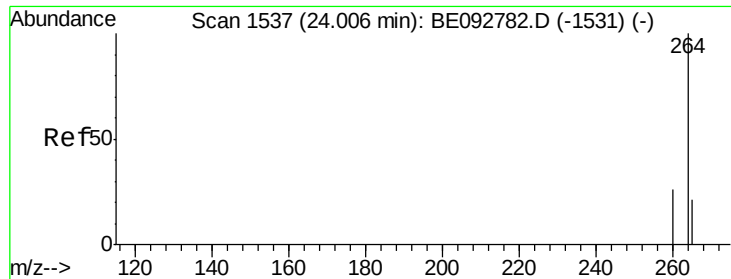
Tgt Ion:228 Resp: 1277
Ion Ratio Lower Upper
228 100
226 35.6 23.6 35.4#
229 47.4 13.3 19.9#



#28
Chrysene
Concen: 0.02 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.05 min
Lab File: BE092808.D
Acq: 7 Mar 2017 16:28

Tgt Ion:228 Resp: 1285
Ion Ratio Lower Upper
228 100
226 35.6 36.3 54.5#
229 47.4 10.6 16.0#





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Instrument :

BNA_E

ClientSampleId :

CPS093051DL

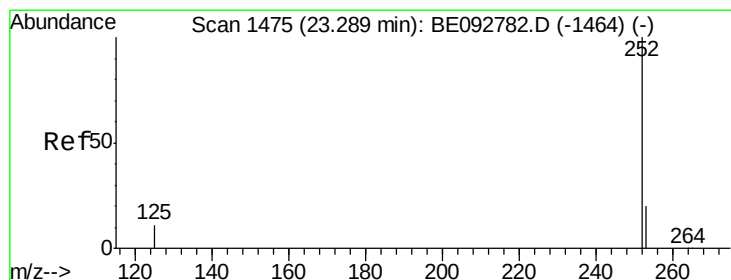
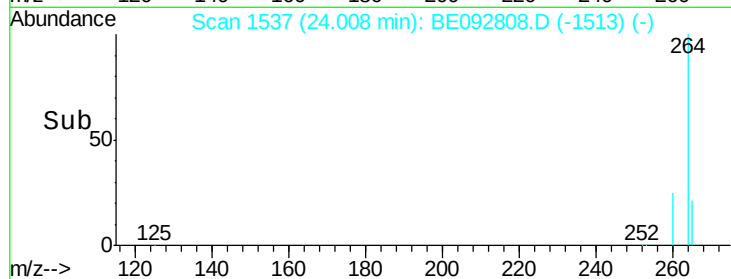
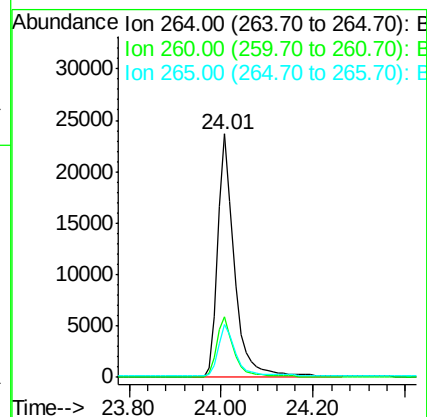
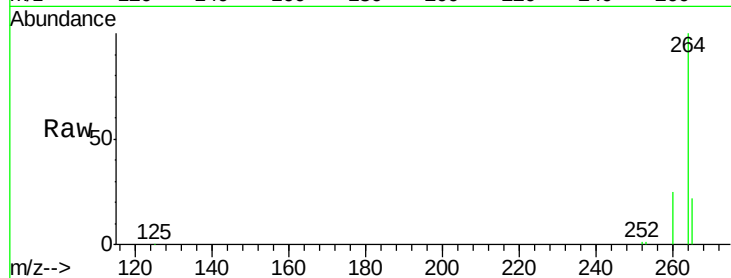
Tgt Ion:264 Resp: 59839

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 21.7 17.9 26.9



#32

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

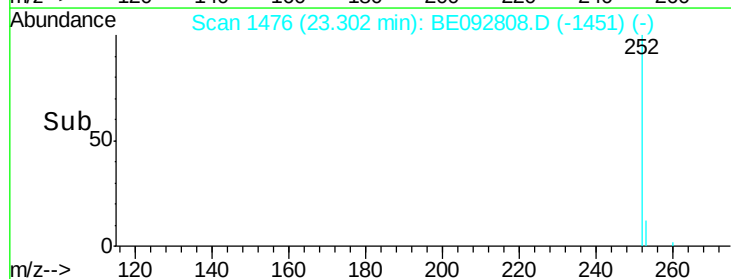
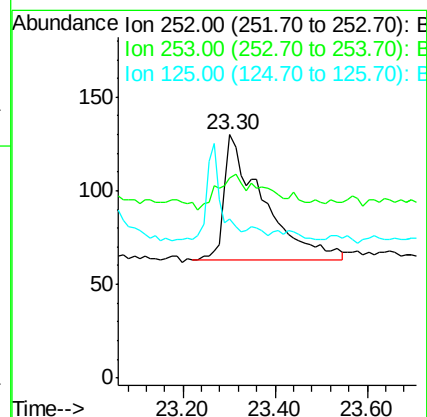
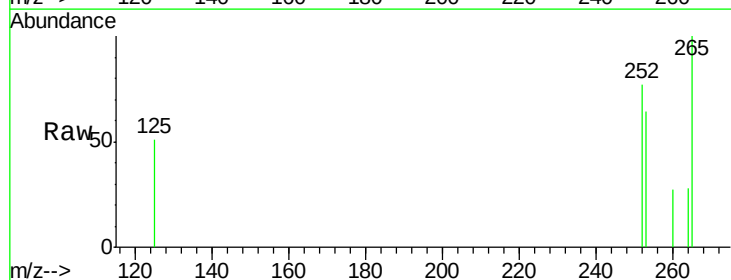
Tgt Ion:252 Resp: 392

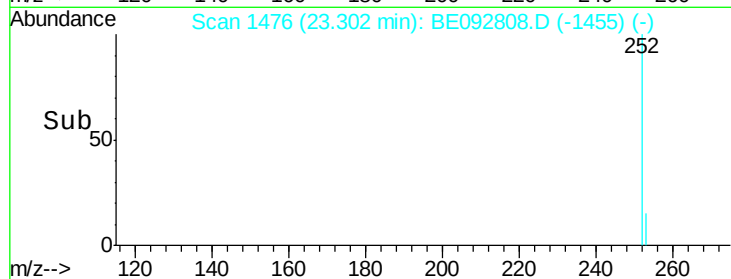
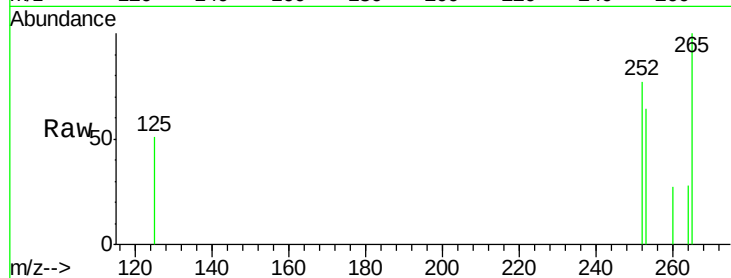
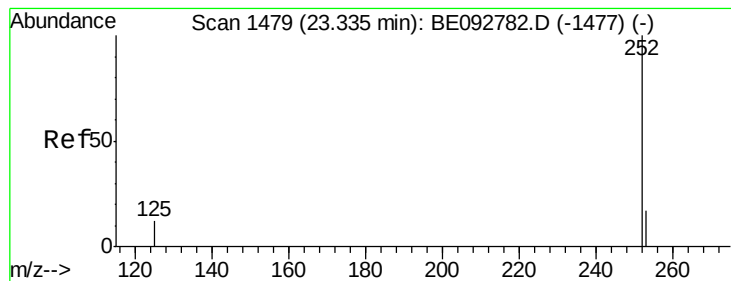
Ion Ratio Lower Upper

252 100

253 82.3 18.7 28.1#

125 65.4 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.06 min

Lab File: BE092808.D

Acq: 7 Mar 2017 16:28

Instrument :

BNA_E

ClientSampleId :

CPS093051DL

Tgt Ion: 252 Resp: 395

Ion Ratio Lower Upper

252 100

253 82.3 20.3 30.5#

125 65.4 9.6 14.4#

