

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092541.D
 Acq On : 16 Nov 2016 19:42
 Operator : UM/SJ
 Sample : H5636-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS043041

Quant Time: Nov 17 04:52:07 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

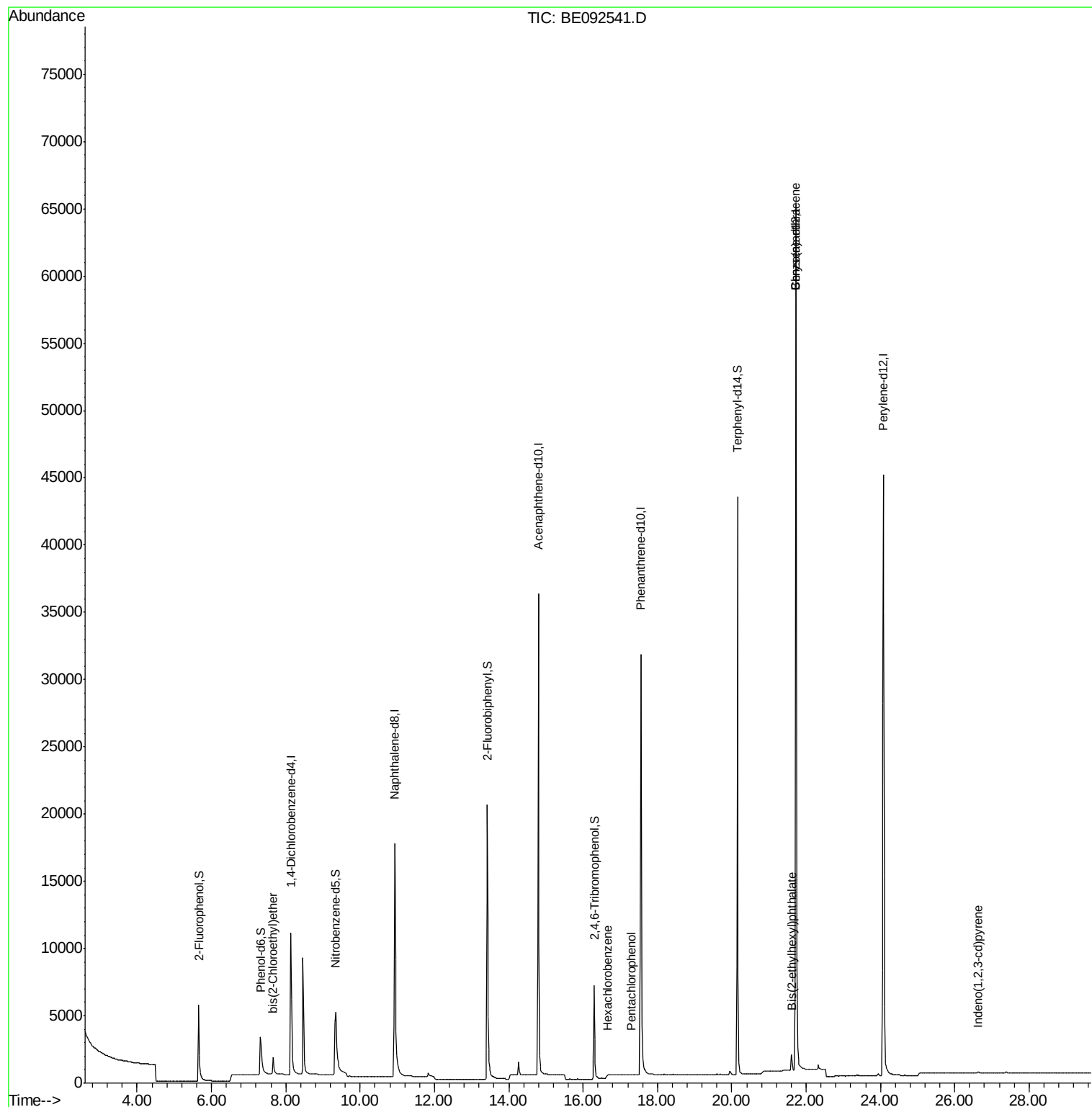
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7647	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	34059	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23755	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	53087	5.00	ng	0.00
24) Chrysene-d12	21.72	240	79441	5.00	ng	0.00
31) Perylene-d12	24.08	264	68226	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	6314	4.89	ng	-0.02
5) Phenol-d6	7.31	99	5046	2.42	ng	-0.04
8) Nitrobenzene-d5	9.34	82	9916	4.49	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	5716	10.73	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	26903	4.65	ng	-0.01
26) Terphenyl-d14	20.16	244	50281	5.54	ng	-0.02
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.66	93	15	0.05	ng	# 1
19) Hexachlorobenzene	16.66	284	529	0.25	ng	# 54
20) Pentachlorophenol	17.30	266	10	0.04	ng	# 74
27) Benzo(a)anthracene	21.72	228	1013	0.11	ng	# 61
29) Bis(2-ethylhexyl)phthalate	21.61	149	1884	0.48	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.63	276	356	0.05	ng	99

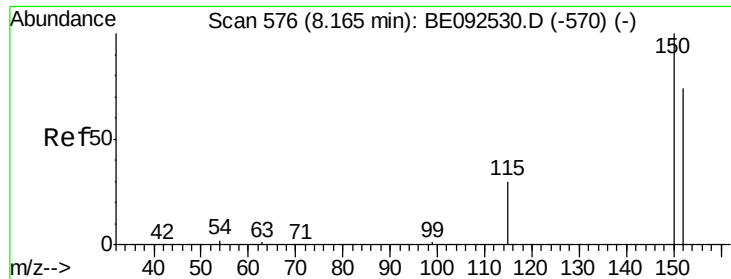
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
Data File : BE092541.D
Acq On : 16 Nov 2016 19:42
Operator : UM/SJ
Sample : H5636-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CPS043041

Quant Time: Nov 17 04:52:07 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

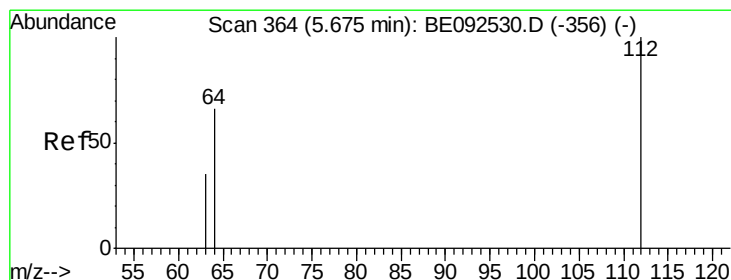
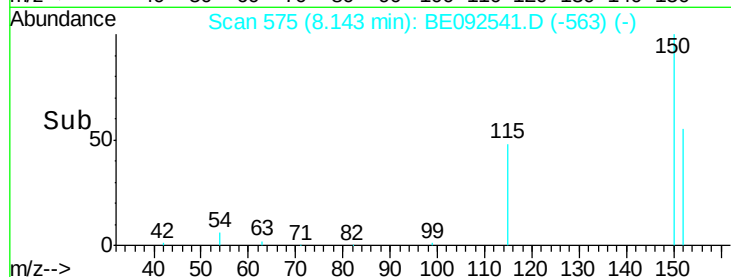
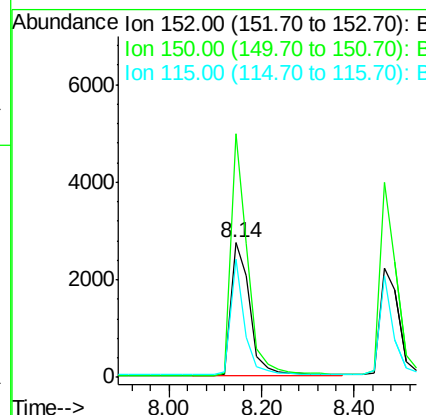
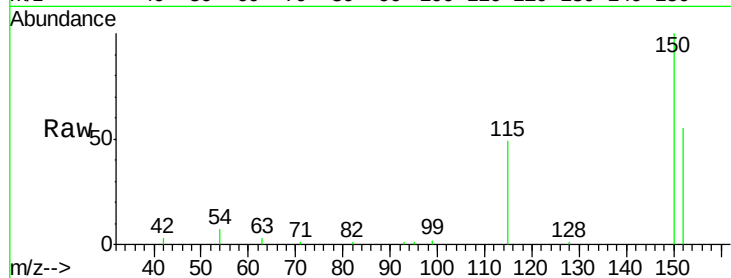




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.14 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BE092541.D
 Acq: 16 Nov 2016 19:42

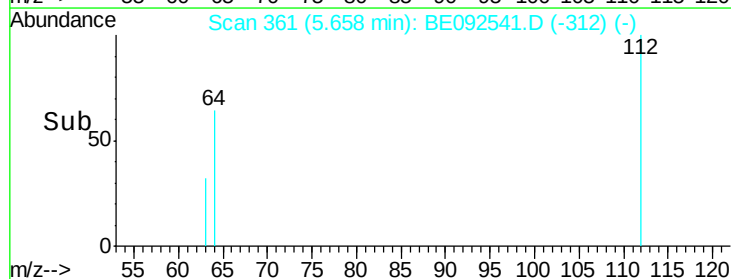
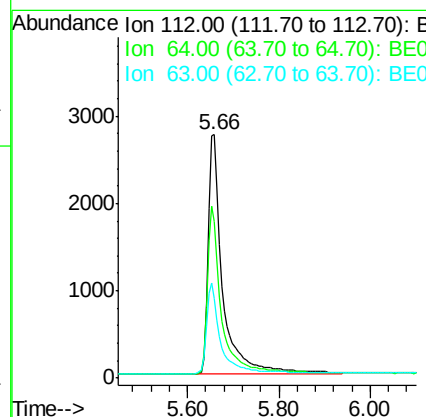
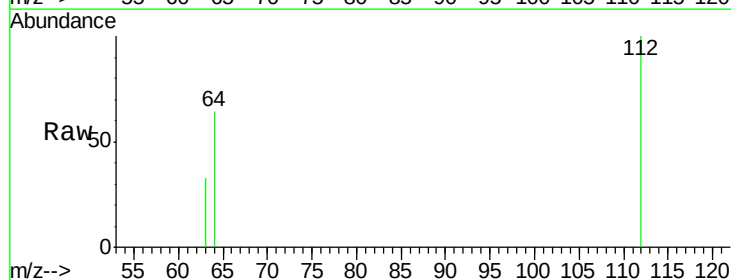
Instrument :
 BNA_E
 ClientSampleId :
 CPS043041

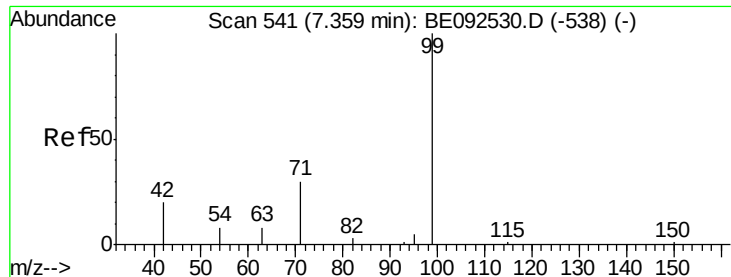
Tgt Ion:152 Resp: 7647
 Ion Ratio Lower Upper
 152 100
 150 181.1 106.0 159.0#
 115 88.0 31.2 46.8#



#4
 2-Fluorophenol
 Concen: 4.89 ng
 RT: 5.66 min Scan# 361
 Delta R.T. -0.02 min
 Lab File: BE092541.D
 Acq: 16 Nov 2016 19:42

Tgt Ion:112 Resp: 6314
 Ion Ratio Lower Upper
 112 100
 64 68.1 53.5 80.3
 63 36.5 27.9 41.9





#5

Phenol-d6

Concen: 2.42 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.04 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

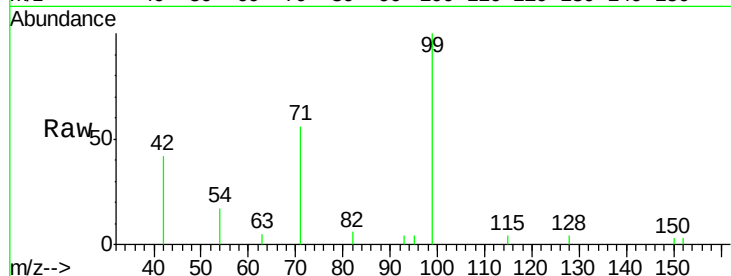
Tgt Ion: 99 Resp: 5046

Ion Ratio Lower Upper

99 100

42 26.5 16.0 24.0#

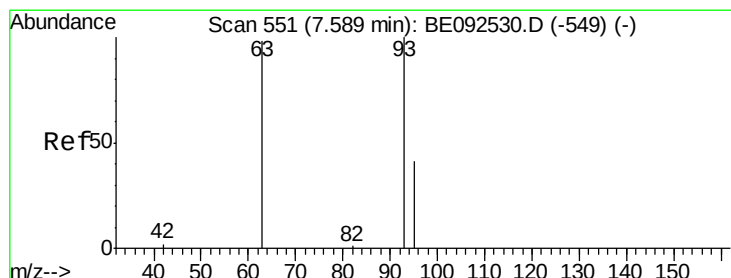
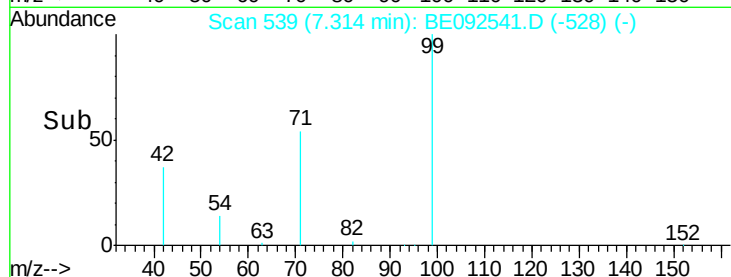
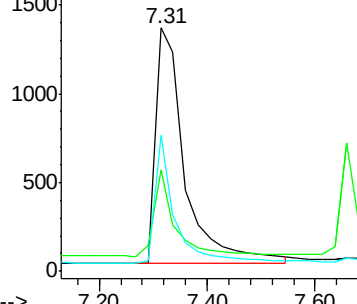
71 36.9 30.6 45.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.66 min Scan# 554

Delta R.T. 0.07 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

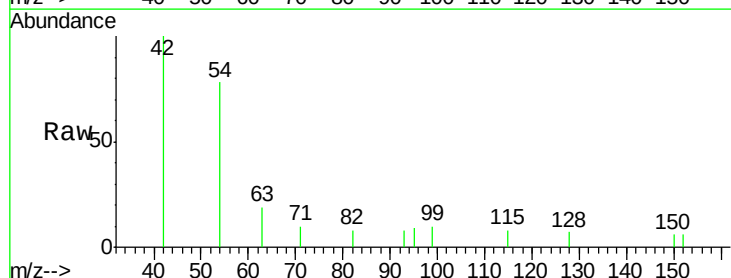
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 1106.7 71.6 107.4#

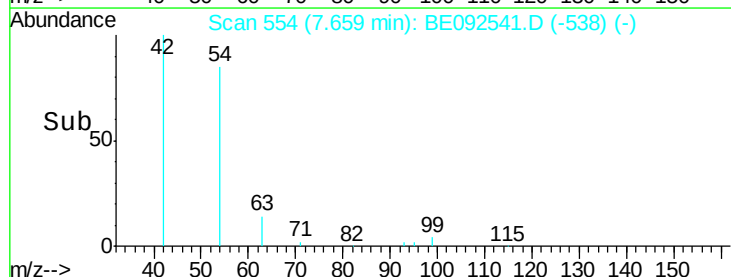
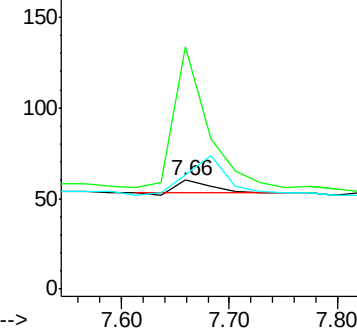
95 0.0 24.0 36.0#

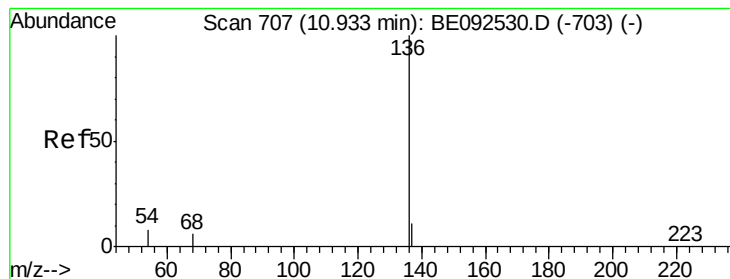


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

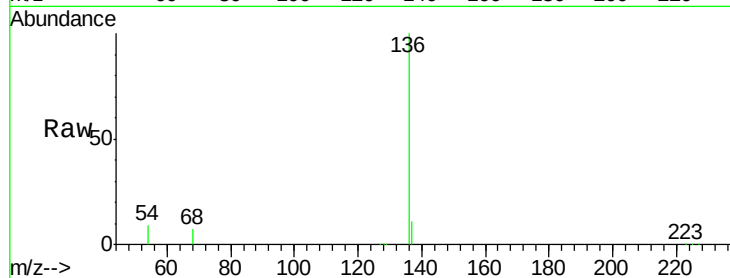
Instrument :

BNA_E

ClientSampleId :

CPS043041

Tgt Ion:	136	Resp:	34059
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	9.4	9.6	14.4#
68	6.6	6.7	10.1#

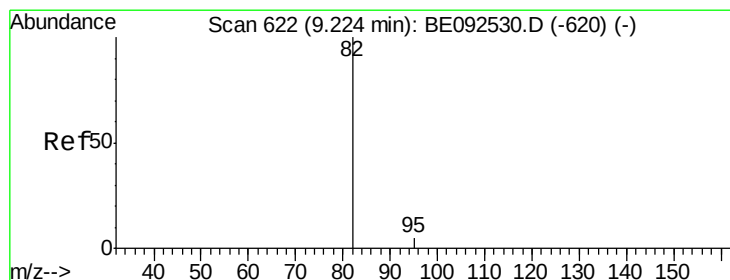
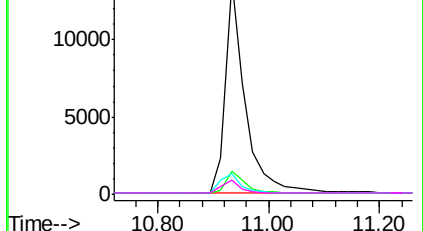
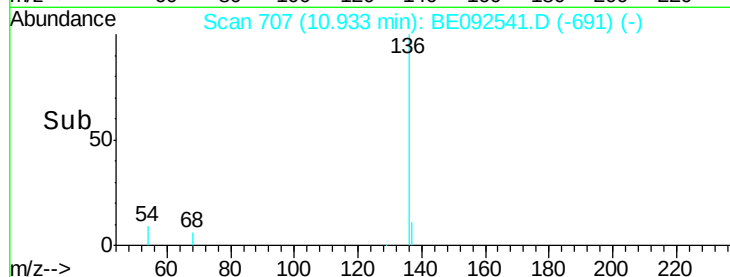


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.49 ng

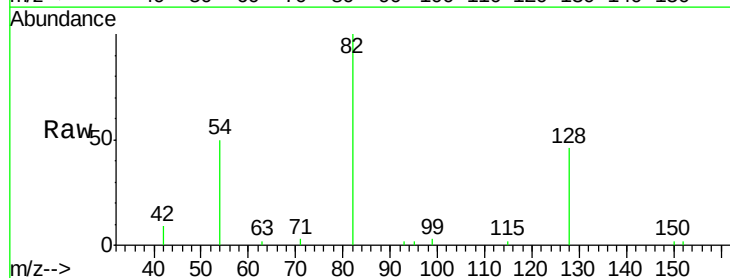
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

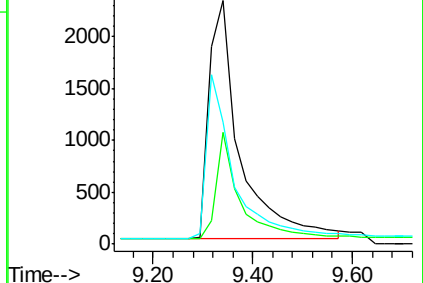
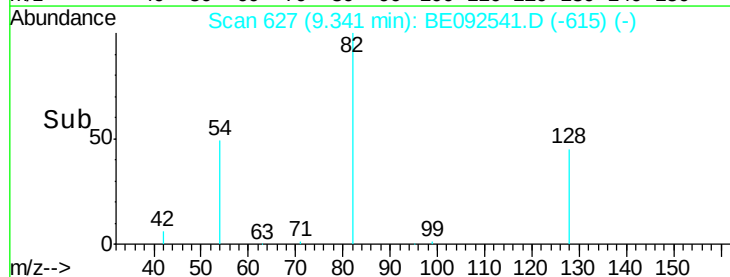
Tgt Ion:	82	Resp:	9916
Ion	Ratio	Lower	Upper
82	100		
128	45.7	39.0	58.4
54	50.2	44.8	67.2

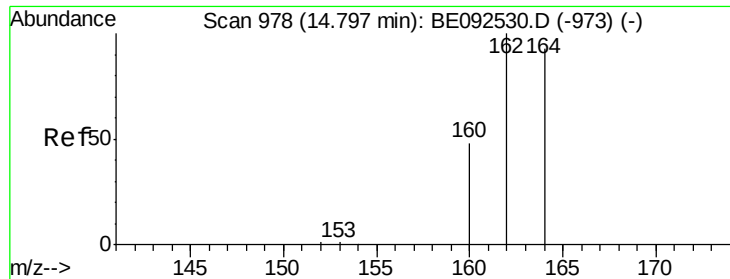


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

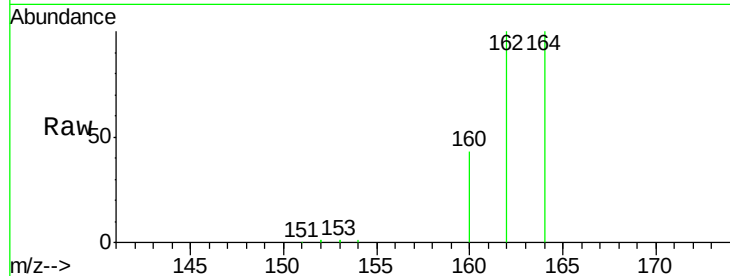
Tgt Ion:164 Resp: 23755

Ion Ratio Lower Upper

164 100

162 100.0 71.4 107.0

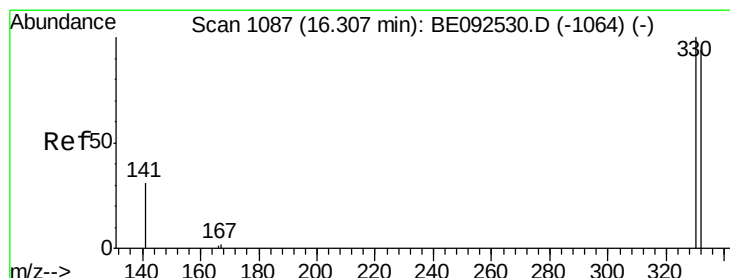
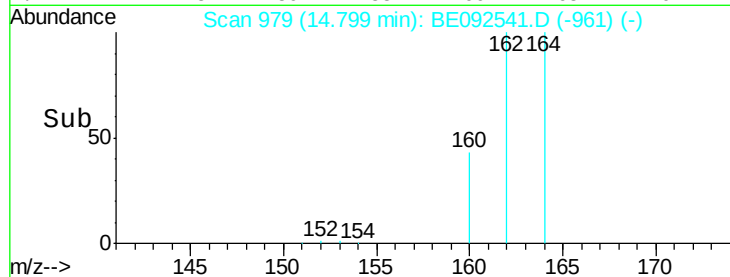
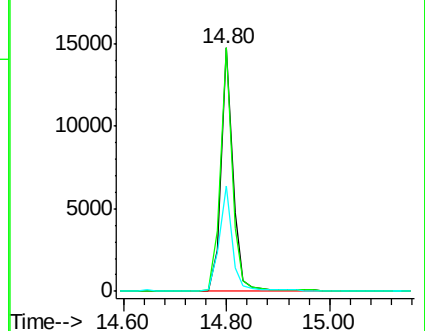
160 43.4 27.4 41.2#



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: 10.73 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

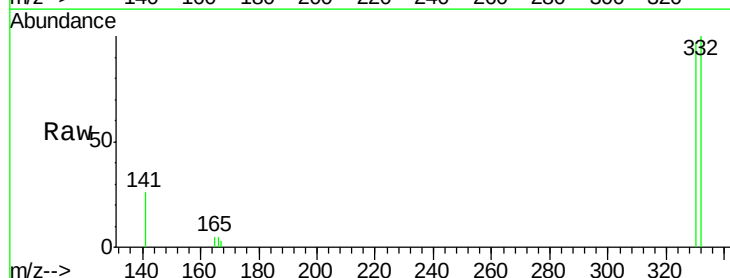
Tgt Ion:330 Resp: 5716

Ion Ratio Lower Upper

330 100

332 97.1 75.4 113.0

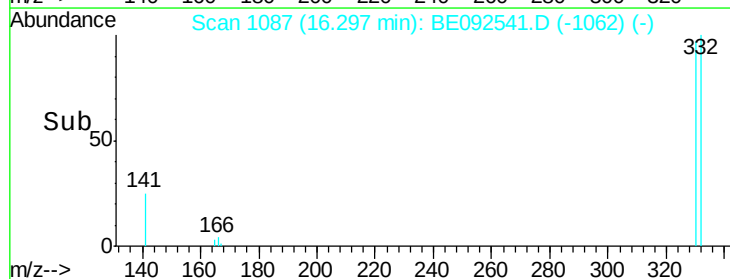
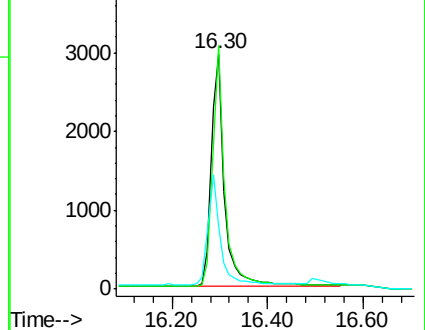
141 43.8 31.0 46.6

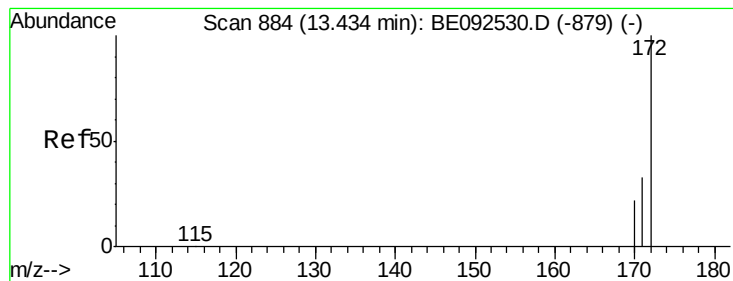


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.65 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

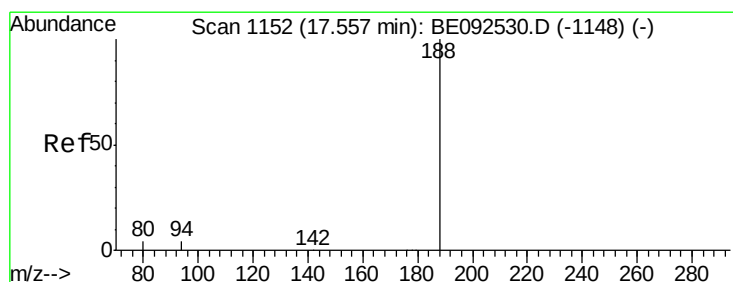
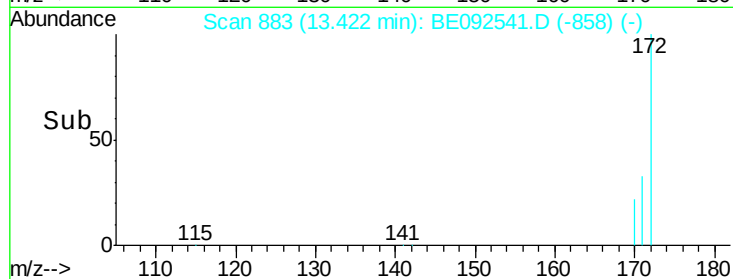
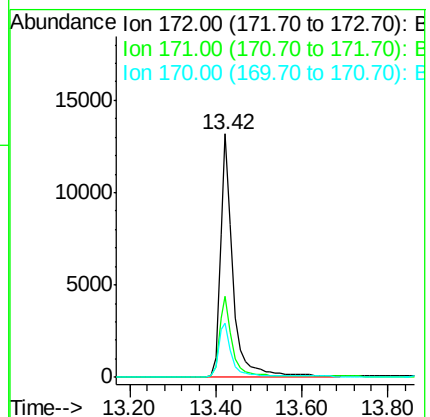
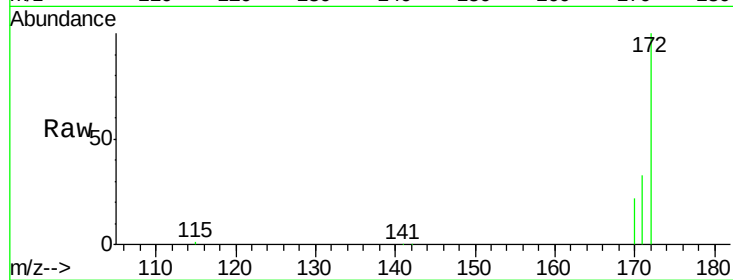
Tgt Ion:172 Resp: 26903

Ion Ratio Lower Upper

172 100

171 33.4 30.1 45.1

170 22.1 21.8 32.6



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

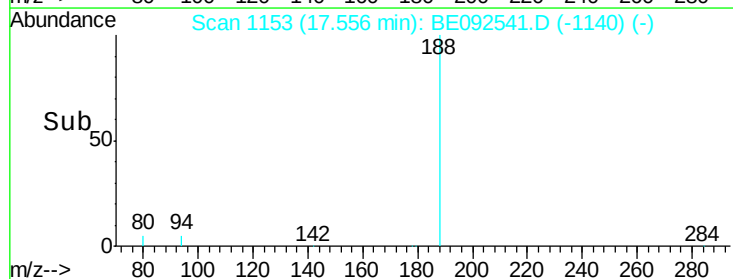
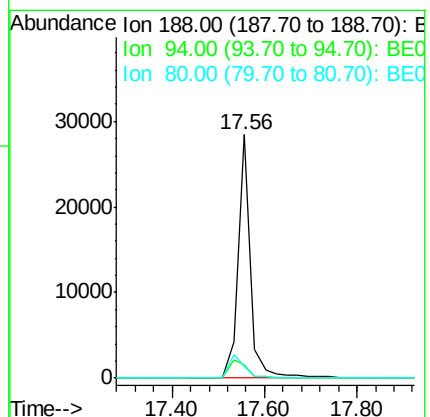
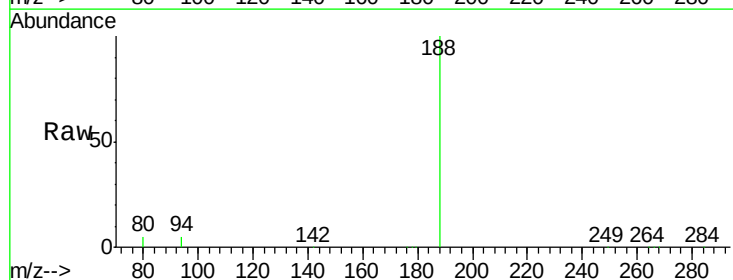
Tgt Ion:188 Resp: 53087

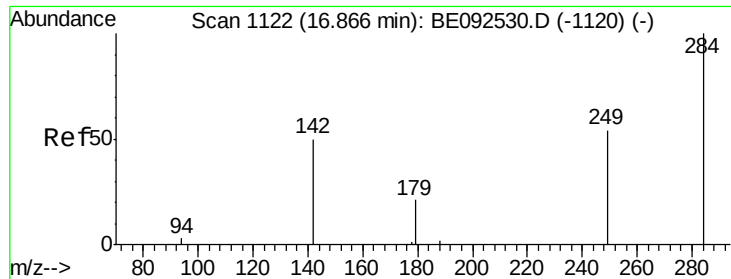
Ion Ratio Lower Upper

188 100

94 5.3 3.2 4.8#

80 4.8 2.6 3.8#





#19

Hexachlorobenzene

Concen: 0.25 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

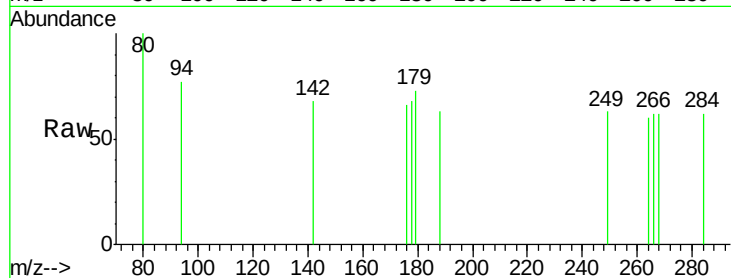
Tgt Ion: 284 Resp: 529

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

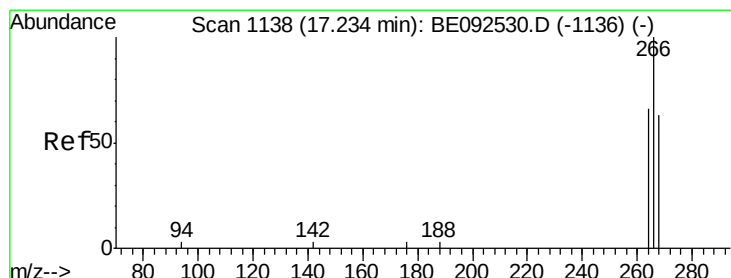
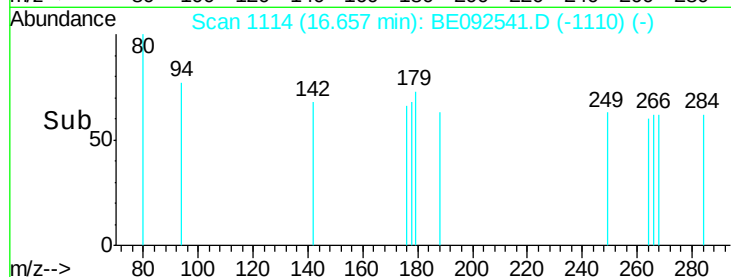
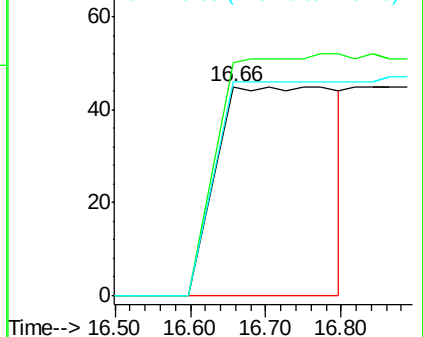
249 51.6 27.9 41.9#



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: 0.04 ng

RT: 17.30 min Scan# 1142

Delta R.T. 0.07 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

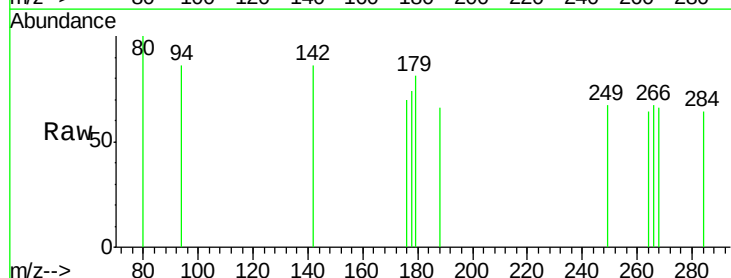
Tgt Ion: 266 Resp: 10

Ion Ratio Lower Upper

266 100

268 97.9 62.5 93.7#

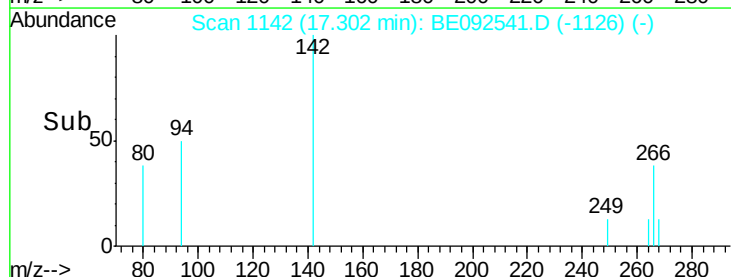
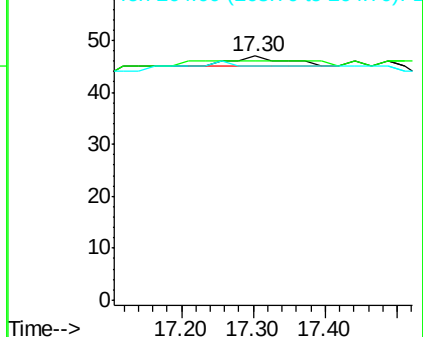
264 95.7 57.2 85.8#

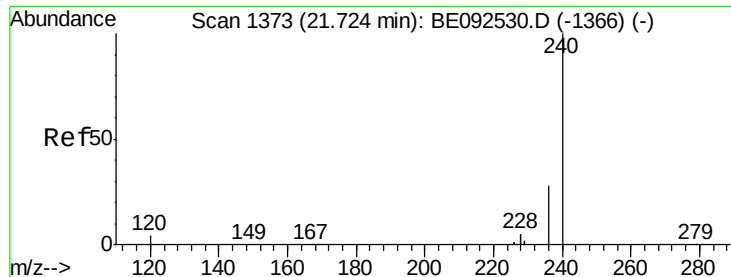


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

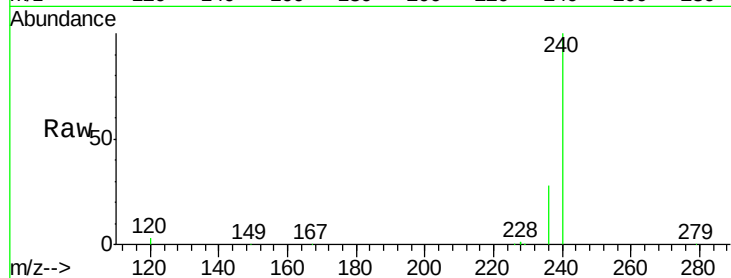
Tgt Ion:240 Resp: 79441

Ion Ratio Lower Upper

240 100

120 2.9 2.6 4.0

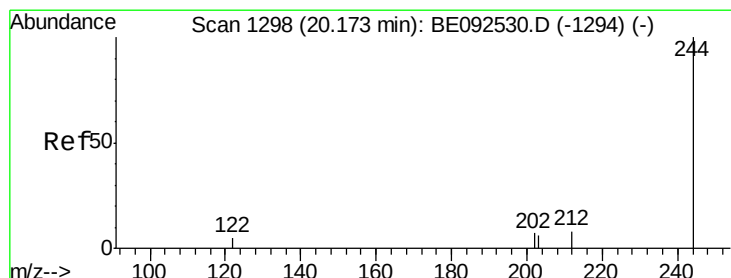
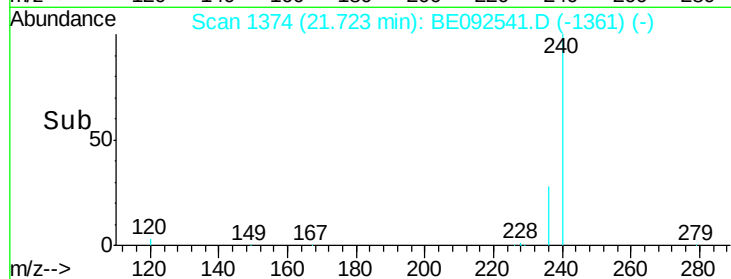
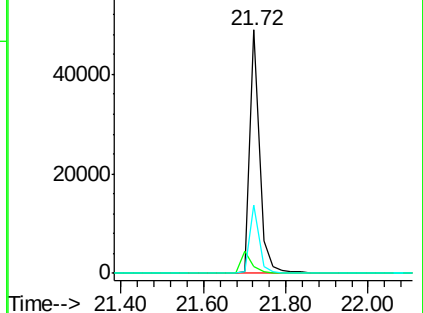
236 27.9 24.6 37.0



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



#26

Terphenyl-d14

Concen: 5.54 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

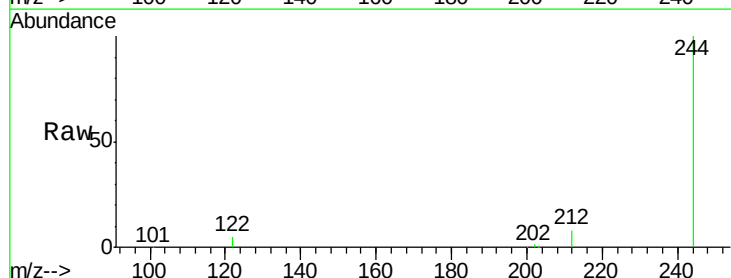
Tgt Ion:244 Resp: 50281

Ion Ratio Lower Upper

244 100

212 8.3 6.7 10.1

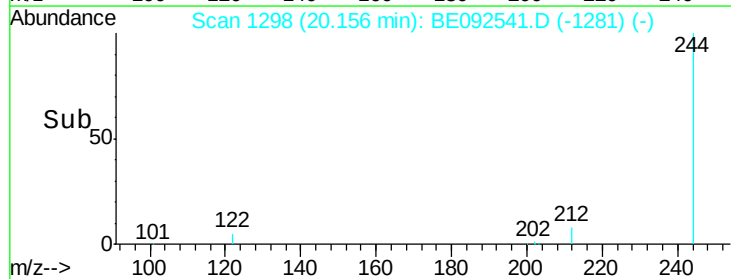
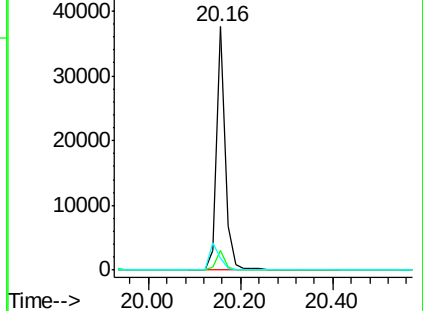
122 4.9 3.6 5.4

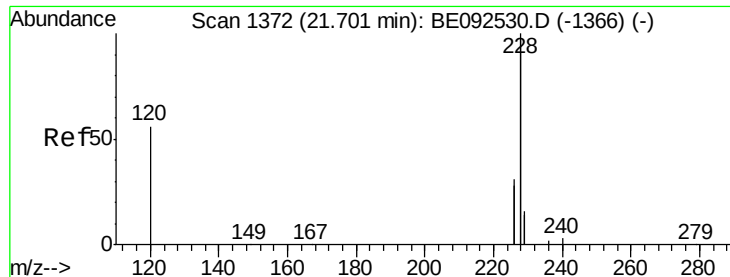


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041

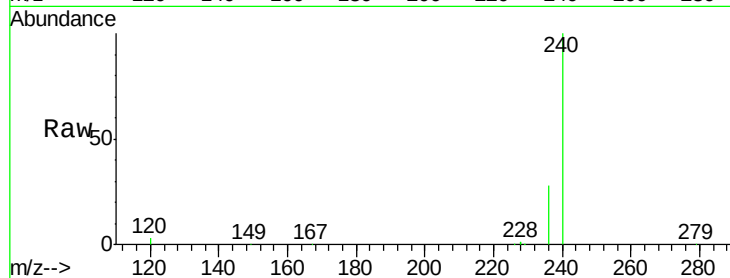
Tgt Ion:228 Resp: 1013

Ion Ratio Lower Upper

228 100

226 34.6 23.6 35.4

229 55.6 13.3 19.9#



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

21.72

600

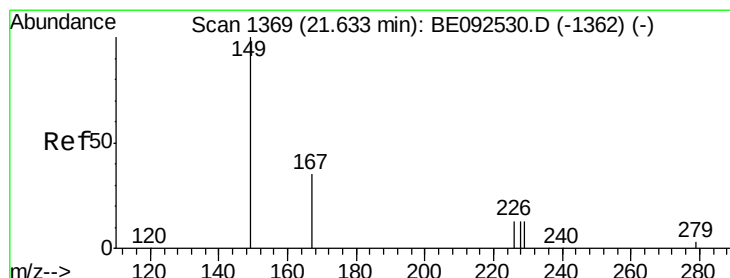
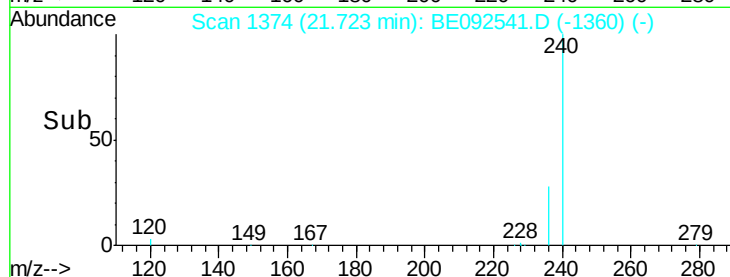
400

200

0

21.60 21.80 22.00

Time-->



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

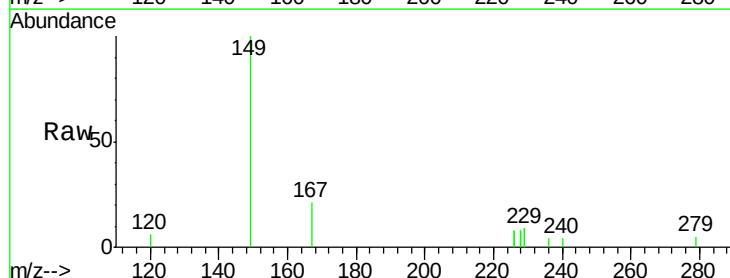
Tgt Ion:149 Resp: 1884

Ion Ratio Lower Upper

149 100

167 23.2 16.0 24.0

279 0.0 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

21.61

1500

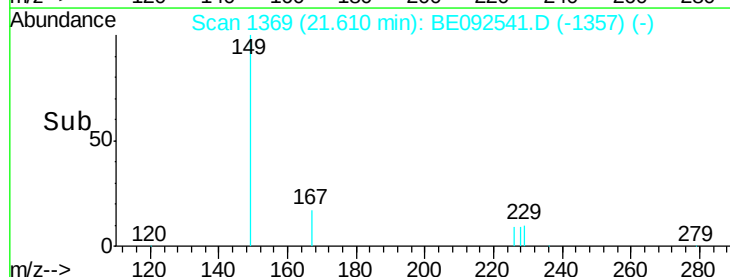
1000

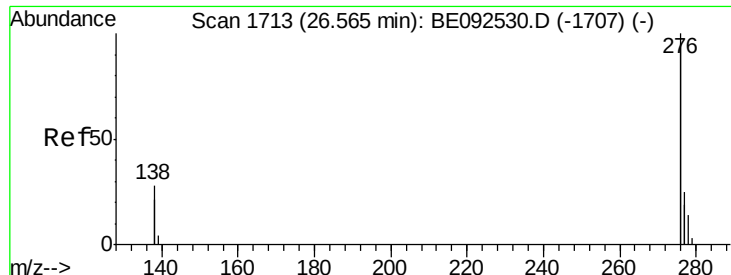
500

0

21.60 21.70

Time-->





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.07 min

Lab File: BE092541.D

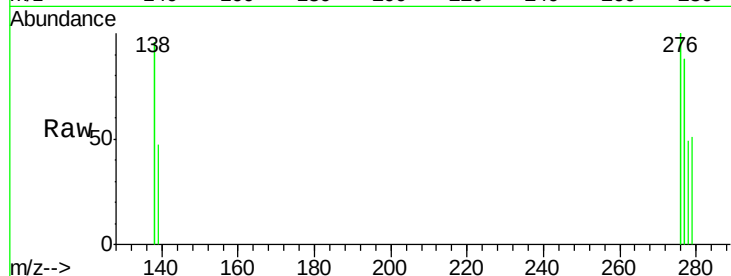
Acq: 16 Nov 2016 19:42

Instrument :

BNA_E

ClientSampleId :

CPS043041



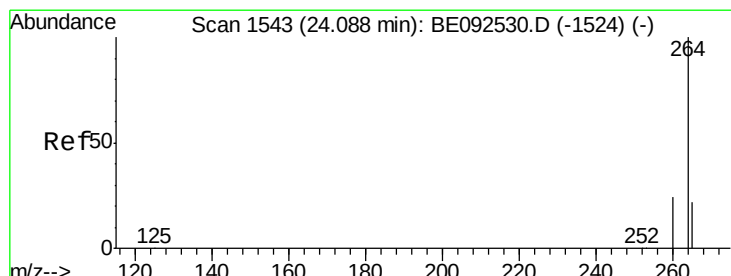
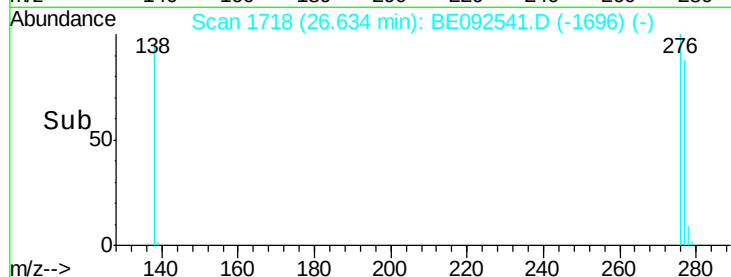
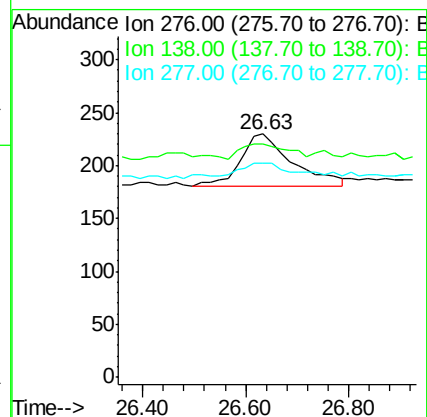
Tgt Ion: 276 Resp: 356

Ion Ratio Lower Upper

276 100

138 25.3 20.3 30.5

277 25.0 19.7 29.5



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092541.D

Acq: 16 Nov 2016 19:42

Tgt Ion: 264 Resp: 68226

Ion Ratio Lower Upper

264 100

260 25.7 20.1 30.1

265 21.6 17.9 26.9

