

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111716\
 Data File : BE092559.D
 Acq On : 17 Nov 2016 11:18
 Operator : UM/SJ
 Sample : H5636-04RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS043044RE

Quant Time: Nov 18 00:11:39 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	7451	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	33963	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23155	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	49517	5.00	ng	0.00
24) Chrysene-d12	21.72	240	79032	5.00	ng	0.00
31) Perylene-d12	24.08	264	68644	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	7499	5.96	ng	-0.02
5) Phenol-d6	7.34	99	5426	2.66	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12681	5.74	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	7194	13.85	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	31197	5.53	ng	-0.01
26) Terphenyl-d14	20.16	244	53616	5.93	ng	-0.02

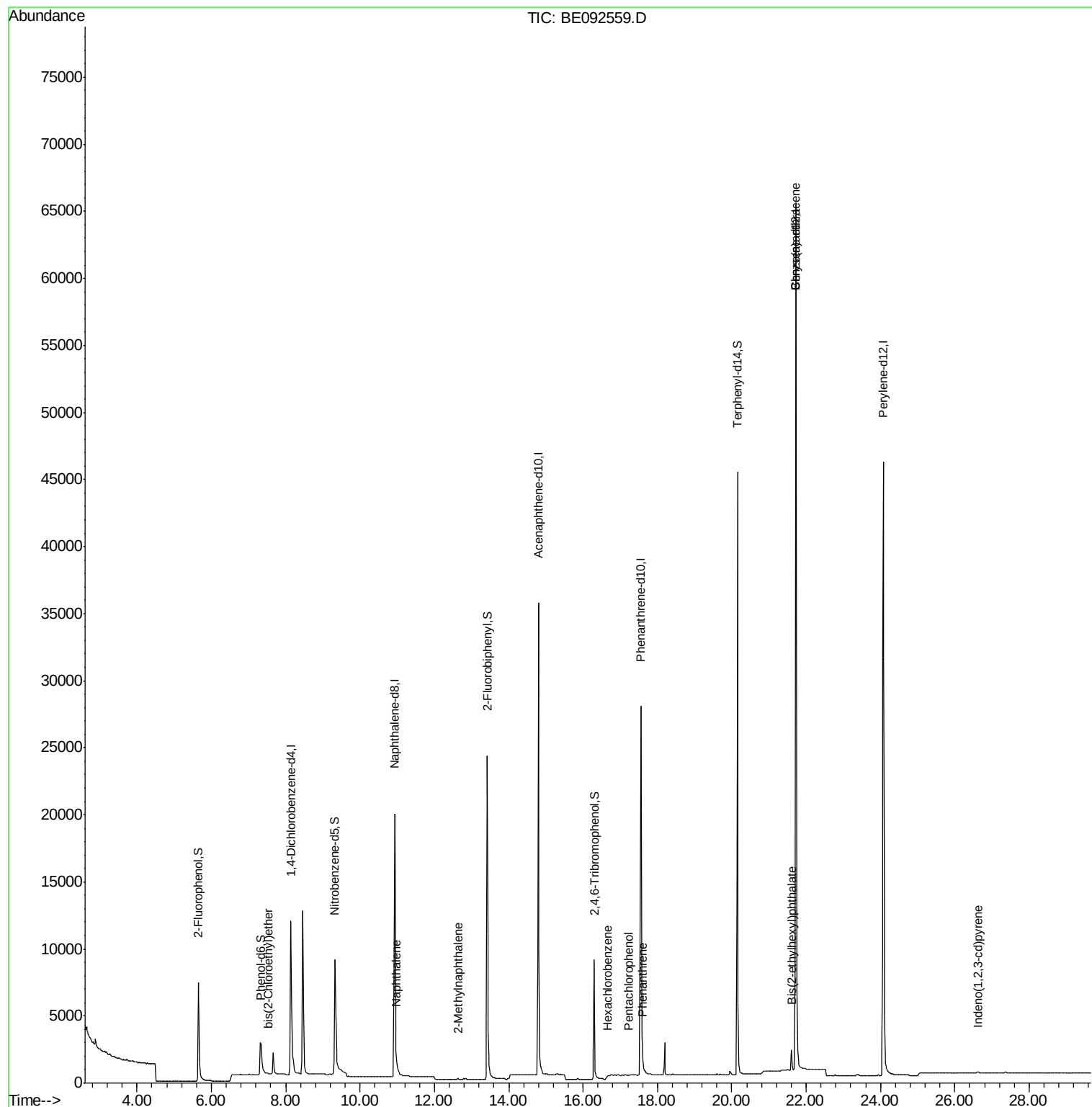
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	22	Below Cal	#	19
6) bis(2-Chloroethyl)ether	7.52	93	29	0.05 ng	#	15
9) Naphthalene	10.97	128	212	0.03 ng	#	20
11) 2-Methylnaphthalene	12.62	142	117	0.03 ng	#	75
19) Hexachlorobenzene	16.66	284	205	0.10 ng	#	1
20) Pentachlorophenol	17.23	266	10	0.04 ng	#	72
21) Phenanthrene	17.60	178	380	0.03 ng	#	57
27) Benzo(a)anthracene	21.72	228	1011	0.11 ng	#	52
29) Bis(2-ethylhexyl)phthalate	21.61	149	2098	0.52 ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.62	276	358	0.05 ng	#	88

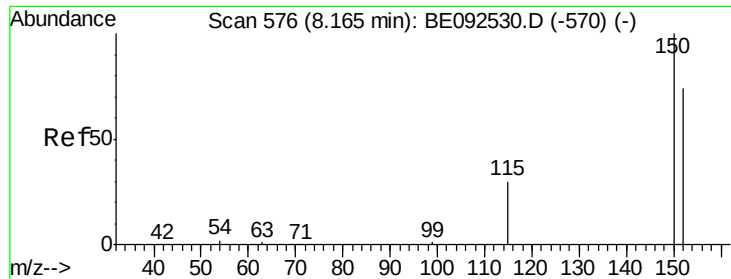
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

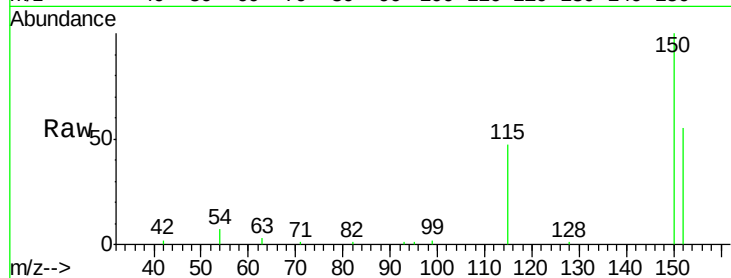
Tgt Ion: 152 Resp: 7451

Ion Ratio Lower Upper

152 100

150 181.7 106.0 159.0#

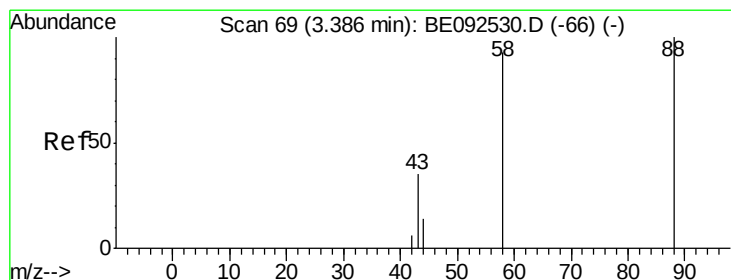
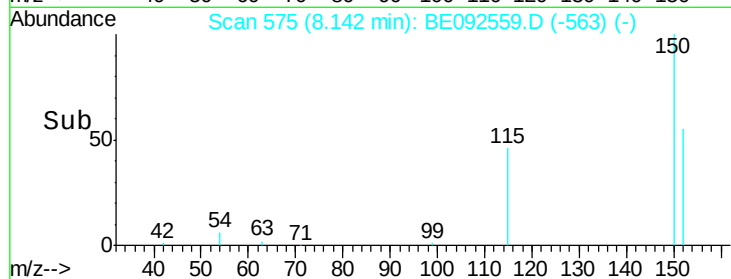
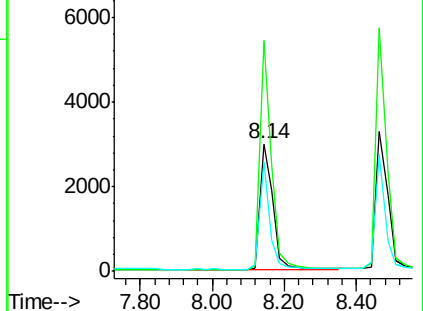
115 85.5 31.2 46.8#



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.45 min Scan# 74

Delta R.T. 0.06 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

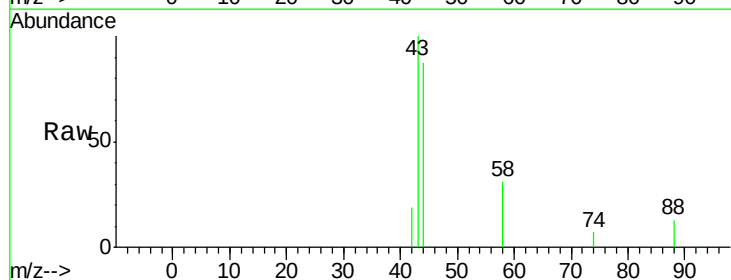
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

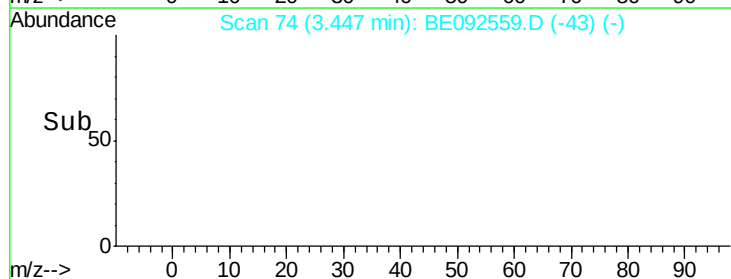
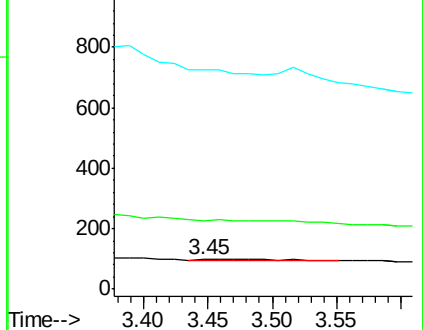
43 0.0 28.0 42.0#

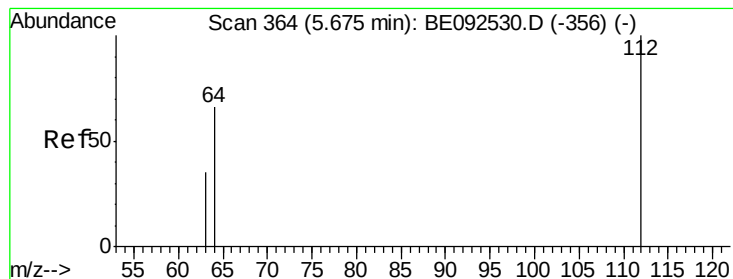


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.96 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

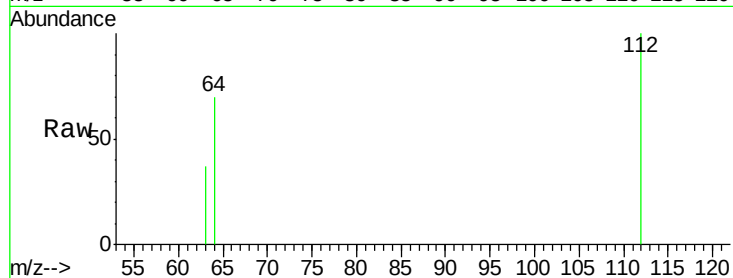
Tgt Ion: 112 Resp: 7499

Ion Ratio Lower Upper

112 100

64 67.6 53.5 80.3

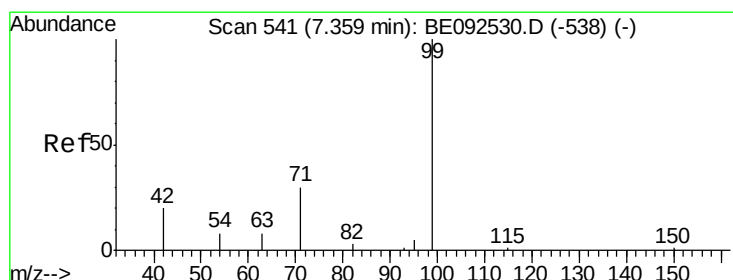
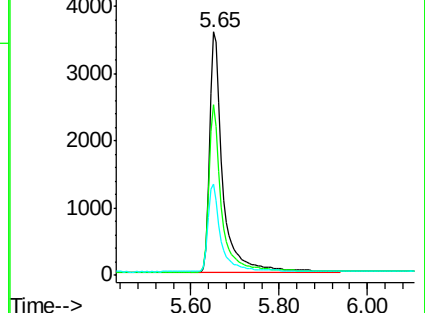
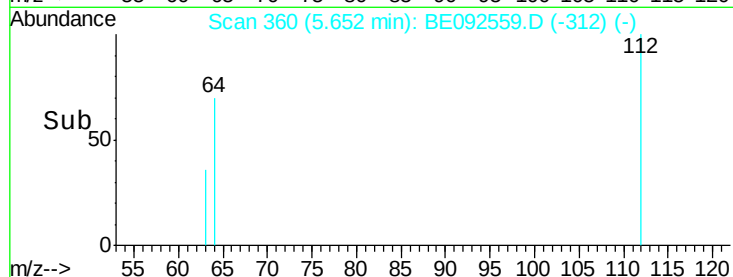
63 35.8 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092559.D (-528) (-)

Ion 64.00 (63.70 to 64.70): BE092559.D (-528) (-)

Ion 63.00 (62.70 to 63.70): BE092559.D (-528) (-)



#5

Phenol-d6

Concen: 2.66 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

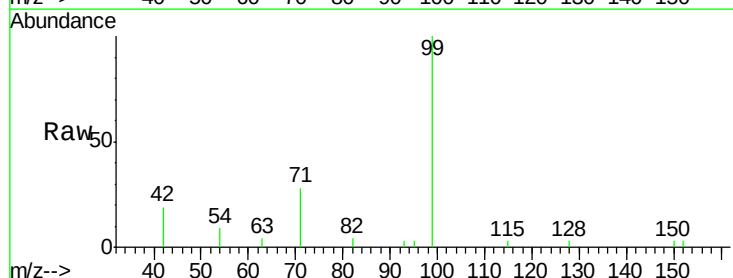
Tgt Ion: 99 Resp: 5426

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

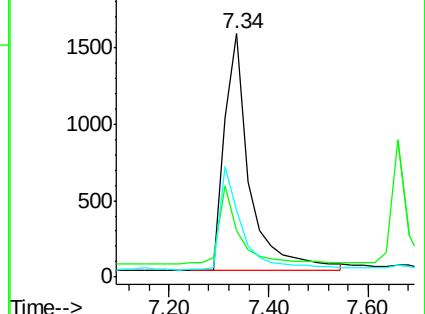
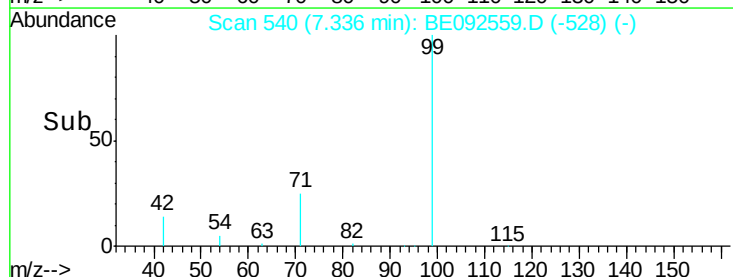
71 0.0 30.6 45.8#

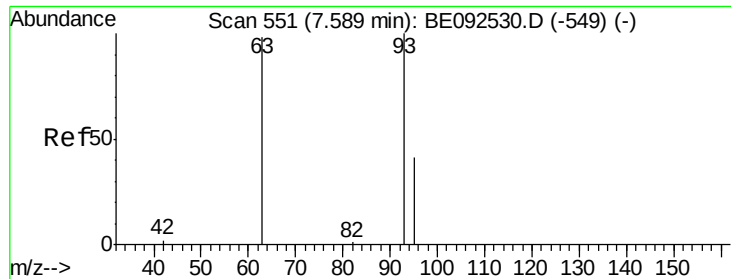


Abundance Ion 99.00 (98.70 to 99.70): BE092559.D (-528) (-)

Ion 42.00 (41.70 to 42.70): BE092559.D (-528) (-)

Ion 71.00 (70.70 to 71.70): BE092559.D (-528) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.07 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

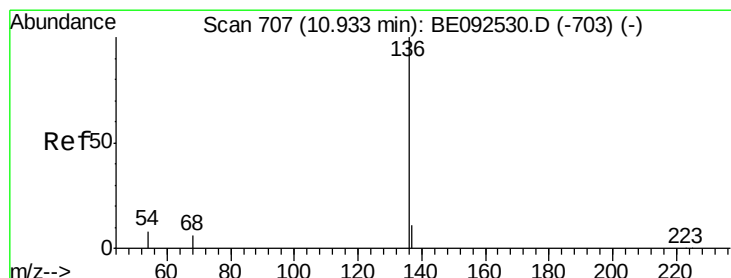
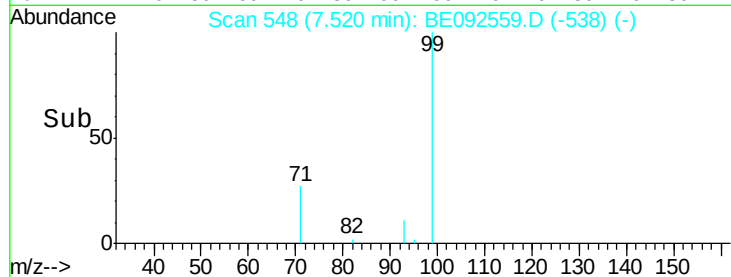
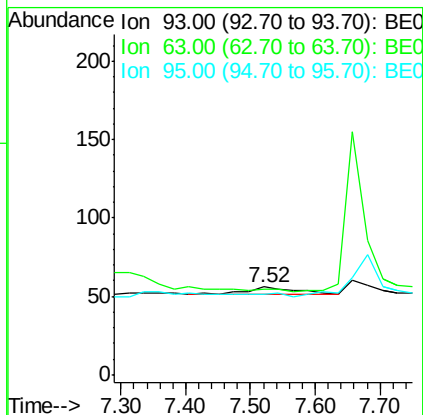
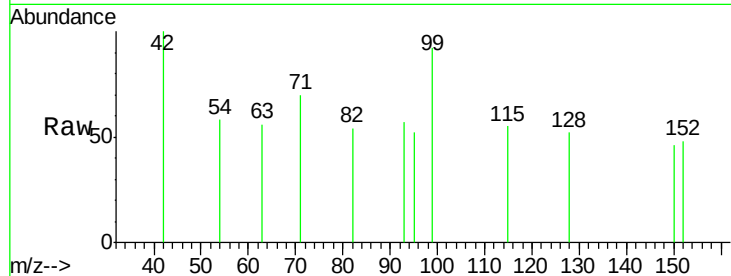
Tgt Ion: 93 Resp: 29

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Tgt Ion: 136 Resp: 33963

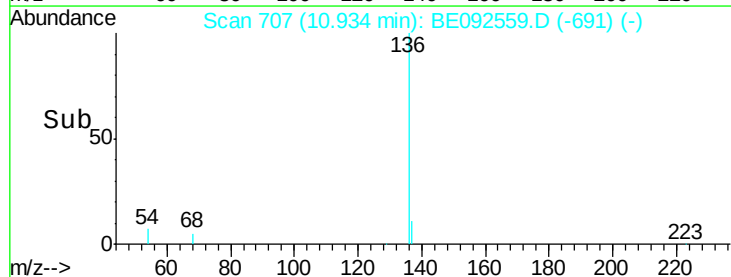
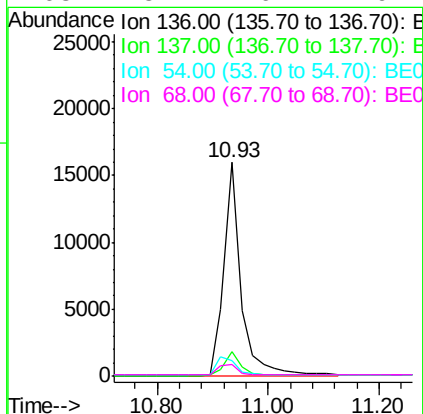
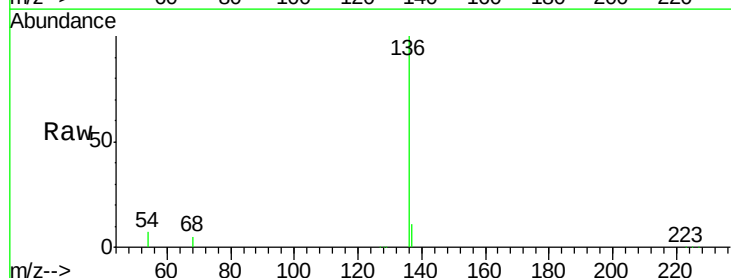
Ion Ratio Lower Upper

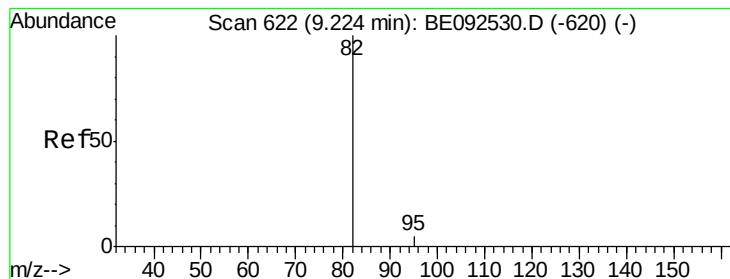
136 100

137 11.3 8.2 12.4

54 7.2 9.6 14.4#

68 5.4 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 5.74 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

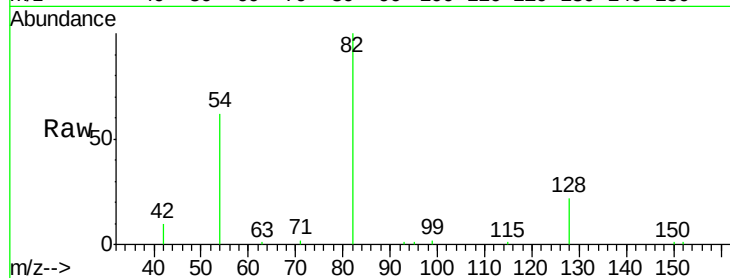
Tgt Ion: 82 Resp: 12681

Ion Ratio Lower Upper

82 100

128 21.8 39.0 58.4#

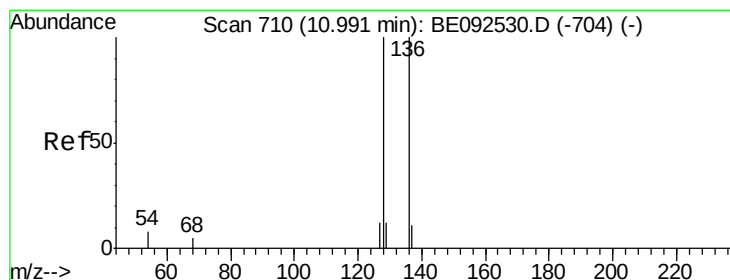
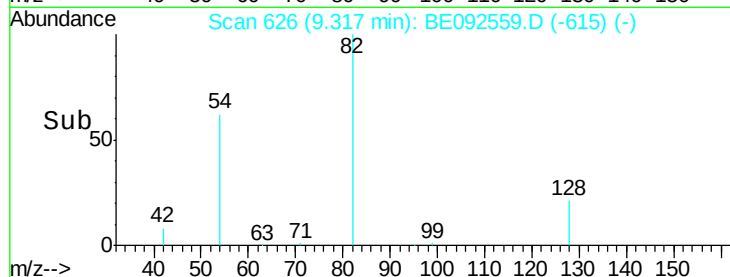
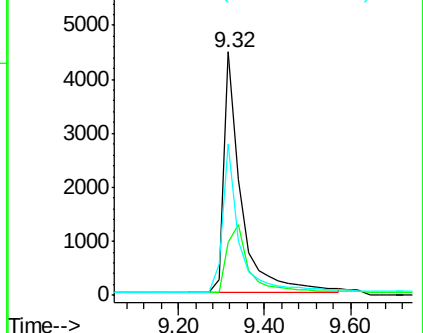
54 62.1 44.8 67.2



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: 0.03 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

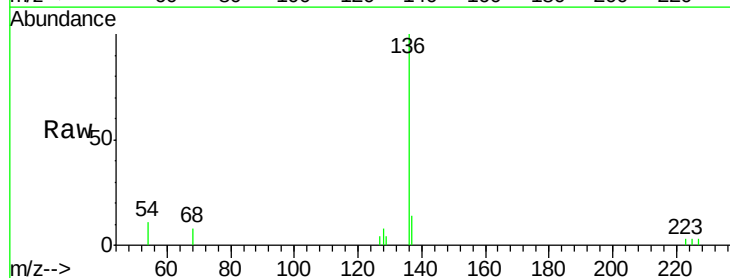
Tgt Ion: 128 Resp: 212

Ion Ratio Lower Upper

128 100

129 46.7 11.2 16.8#

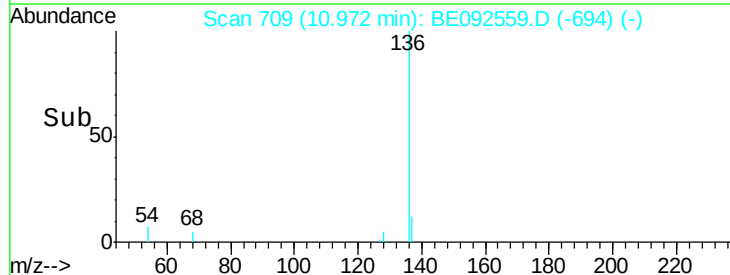
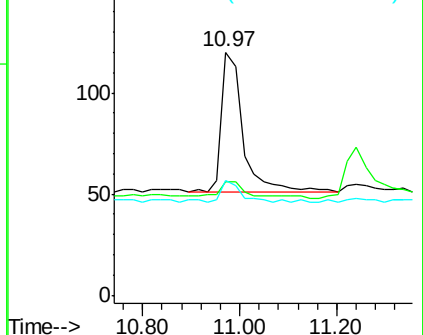
127 47.5 11.6 17.4#

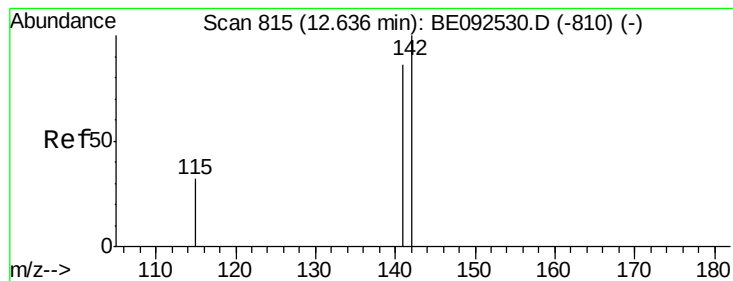


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.01 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

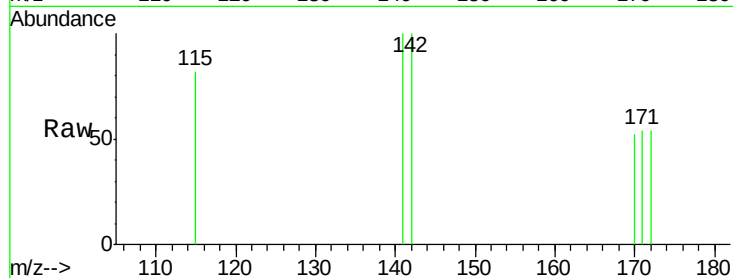
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

141 100.0 73.7 110.5

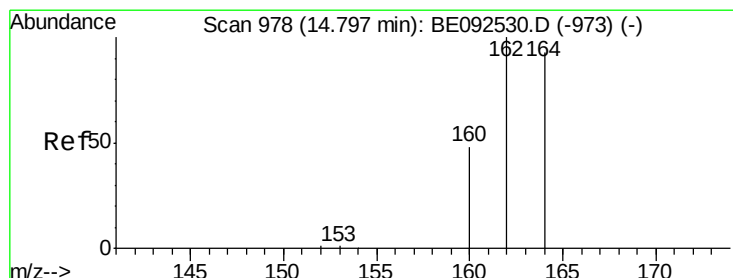
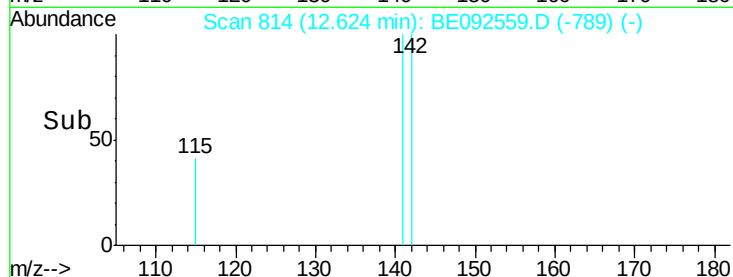
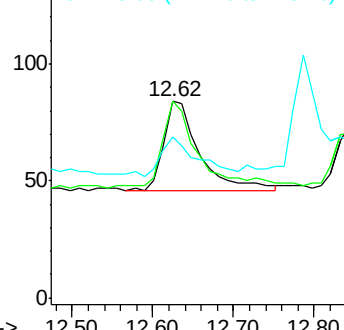
115 82.1 34.0 51.0#



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: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

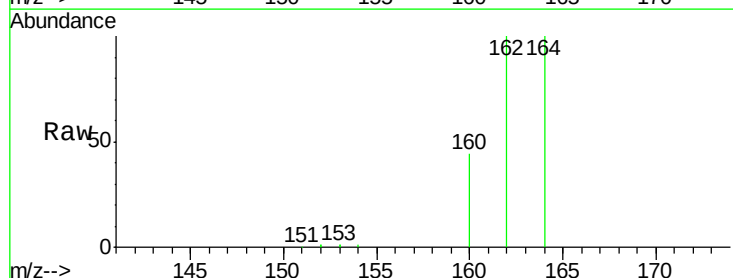
Tgt Ion:164 Resp: 23155

Ion Ratio Lower Upper

164 100

162 99.5 71.4 107.0

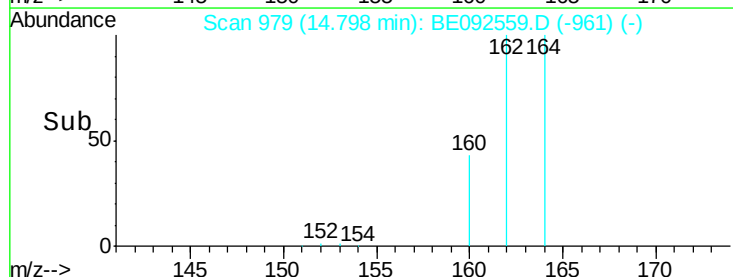
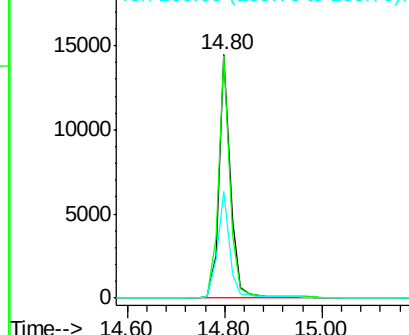
160 43.6 27.4 41.2#

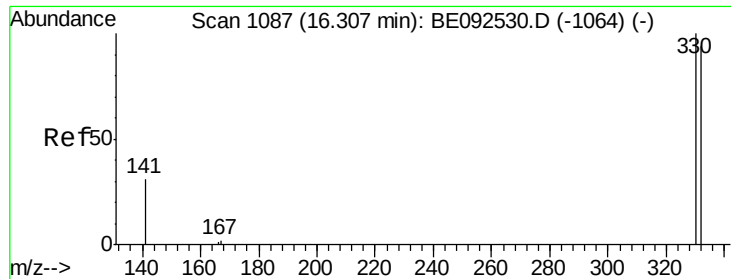


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

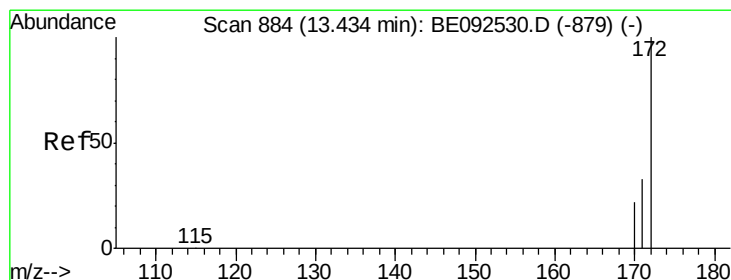
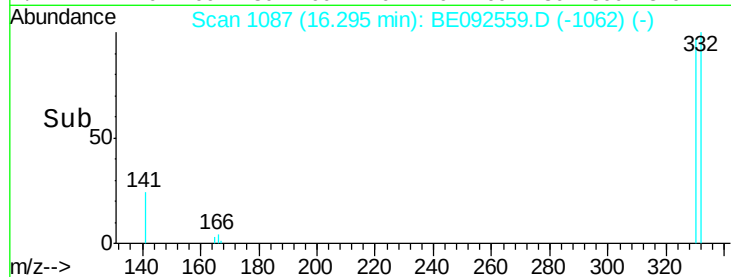
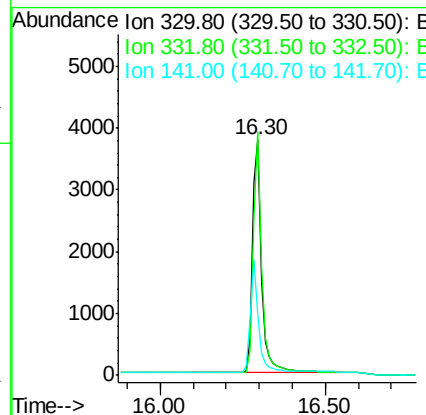
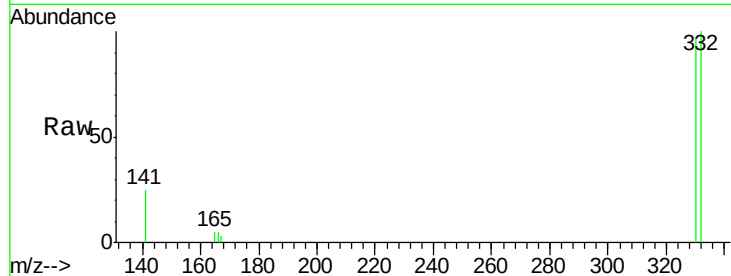




#13
 2,4,6-Tribromophenol
 Concen: 13.85 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092559.D
 Acq: 17 Nov 2016 11:18

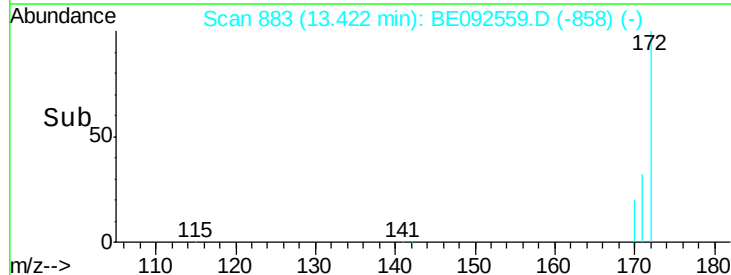
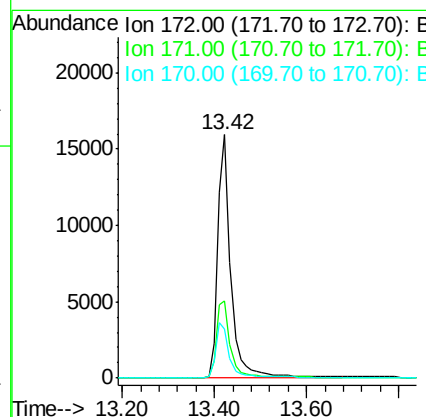
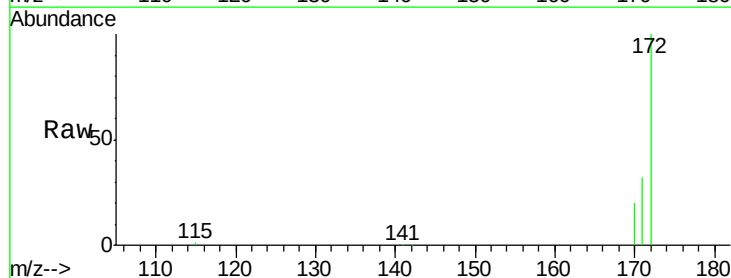
Instrument :
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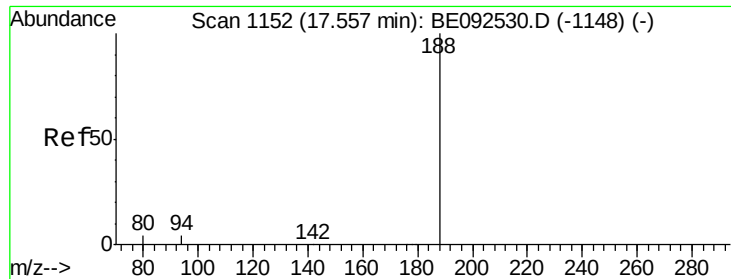
Tgt Ion:330 Resp: 7194
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.0
 141 43.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.53 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092559.D
 Acq: 17 Nov 2016 11:18

Tgt Ion:172 Resp: 31197
 Ion Ratio Lower Upper
 172 100
 171 31.7 30.1 45.1
 170 20.1 21.8 32.6#

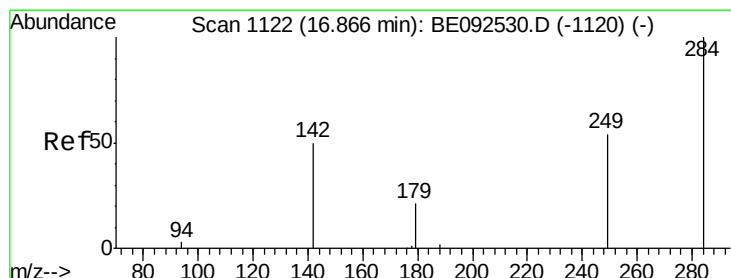
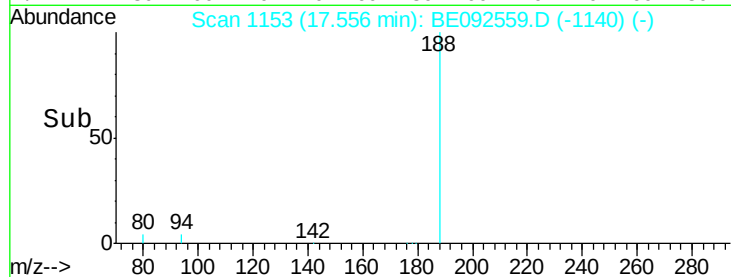
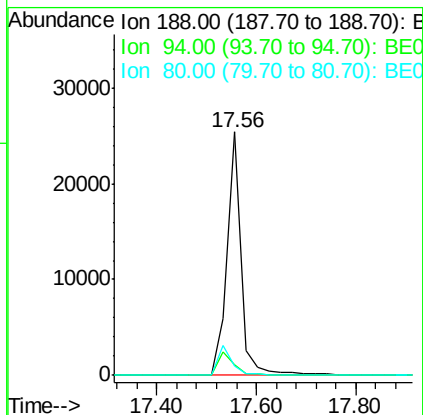
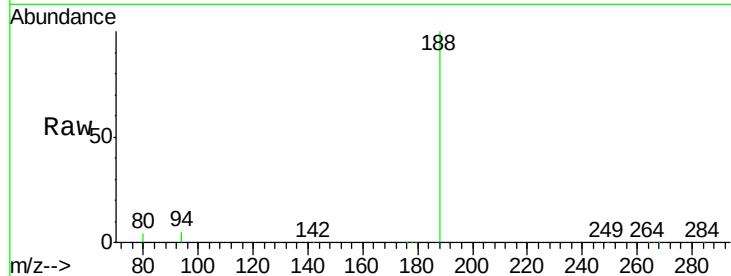




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092559.D
Acq: 17 Nov 2016 11:18

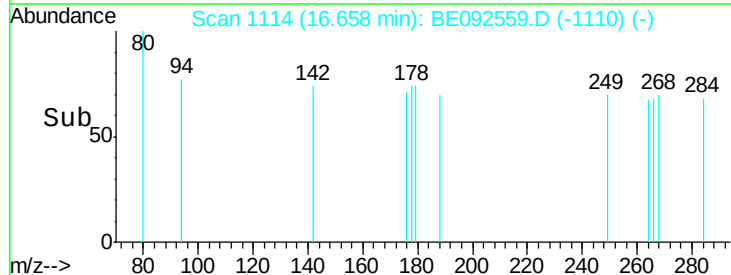
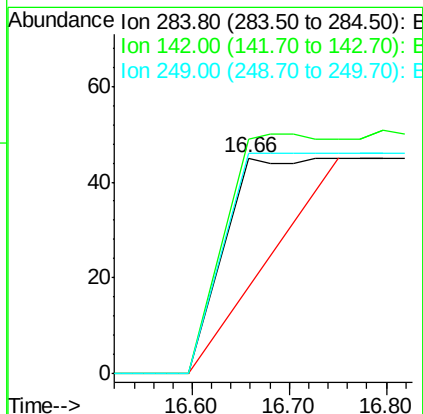
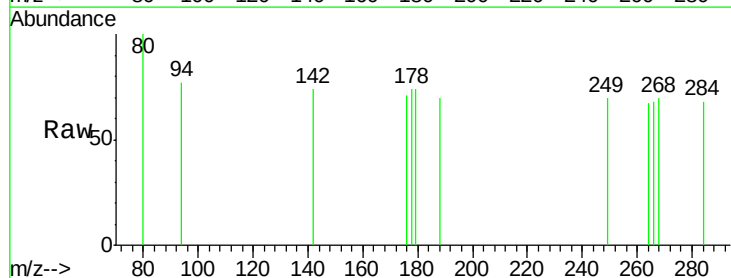
Instrument :
BNA_E
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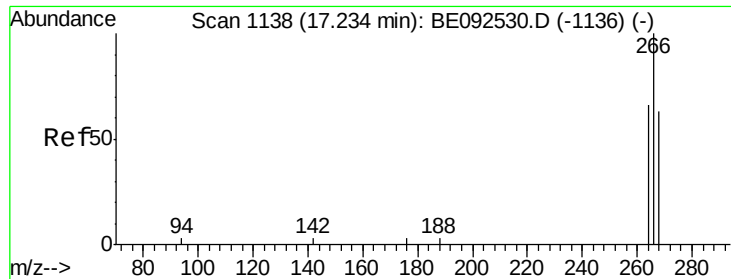
Tgt Ion:188 Resp: 49517
Ion Ratio Lower Upper
188 100
94 4.5 3.2 4.8
80 4.1 2.6 3.8#



#19
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092559.D
Acq: 17 Nov 2016 11:18

Tgt Ion:284 Resp: 205
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 258.5 27.9 41.9#





#20

Pentachlorophenol

Concen: 0.04 ng

RT: 17.23 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE

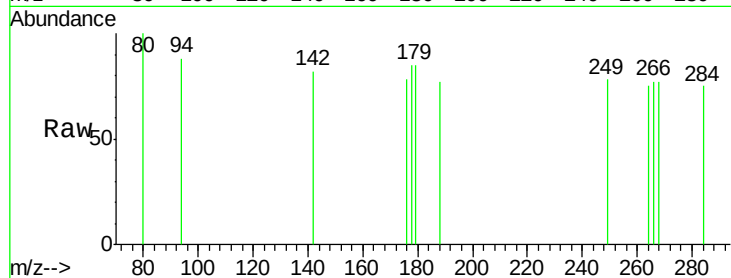
Tgt Ion: 266 Resp: 10

Ion Ratio Lower Upper

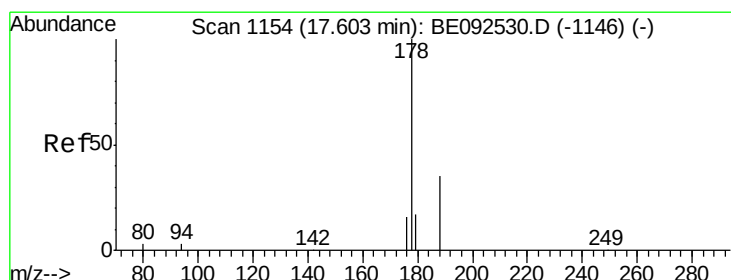
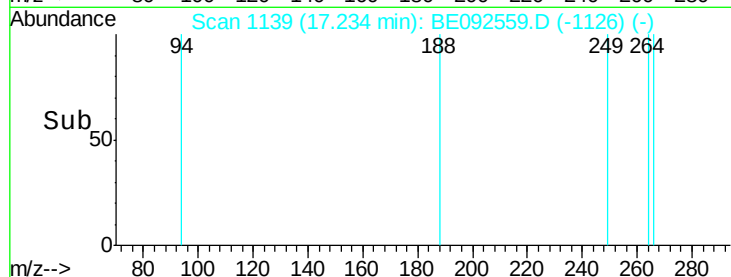
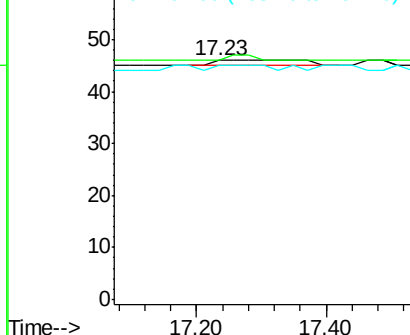
266 100

268 100.0 62.5 93.7#

264 97.8 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



#21

Phenanthrene

Concen: 0.03 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092559.D

Acq: 17 Nov 2016 11:18

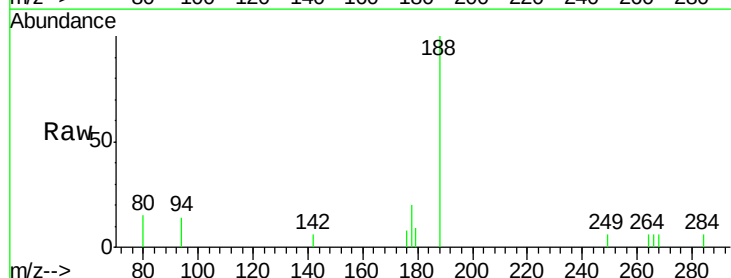
Tgt Ion: 178 Resp: 380

Ion Ratio Lower Upper

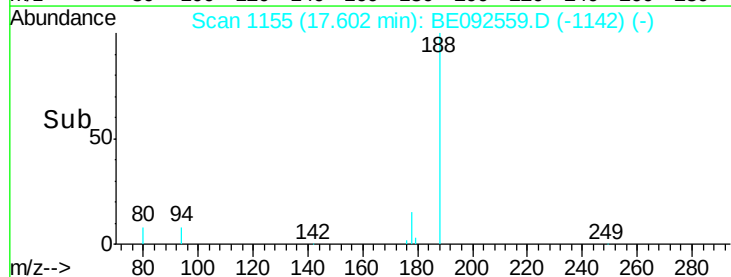
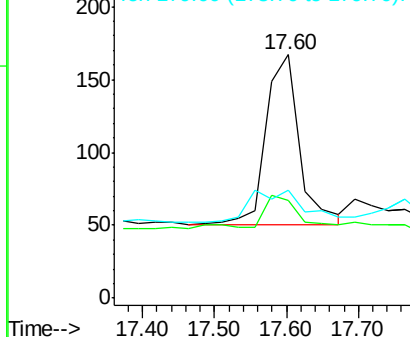
178 100

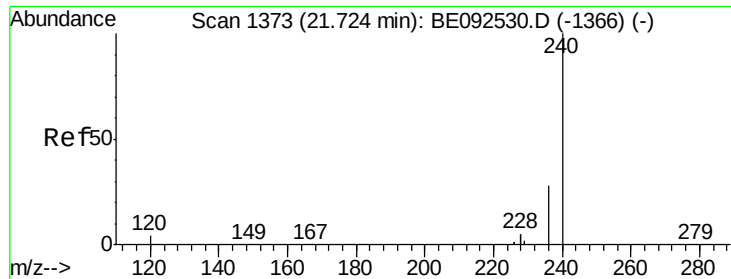
176 0.0 15.8 23.8#

179 0.0 16.0 24.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

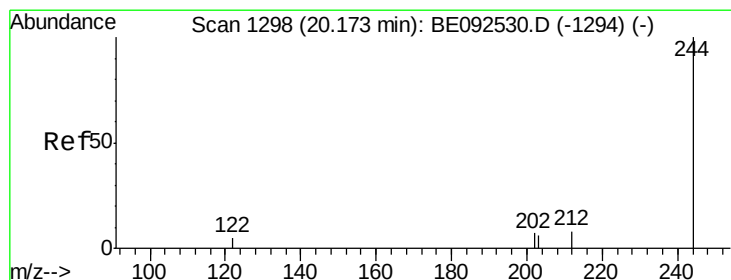
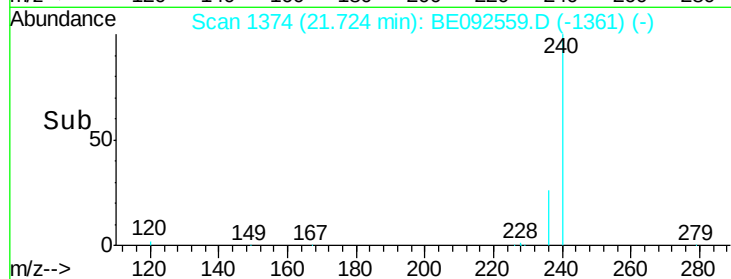
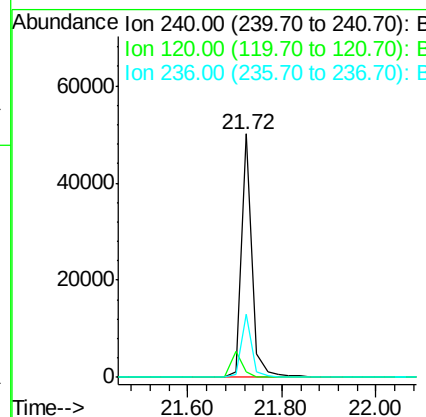
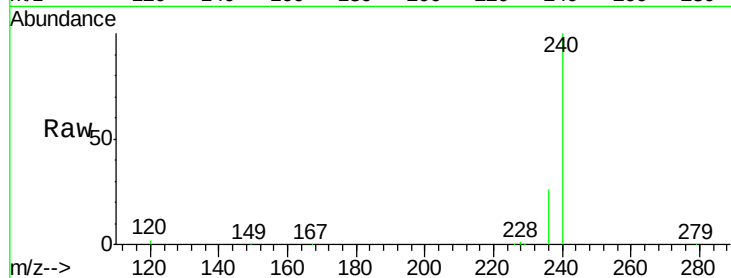




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092559.D
Acq: 17 Nov 2016 11:18

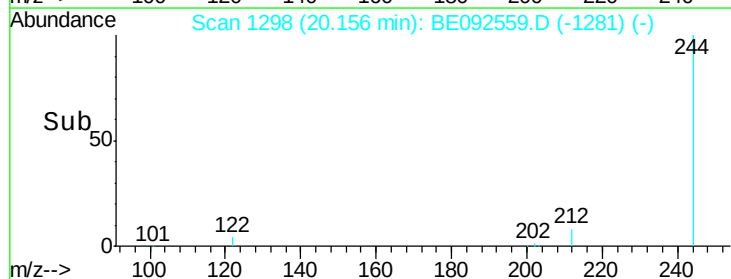
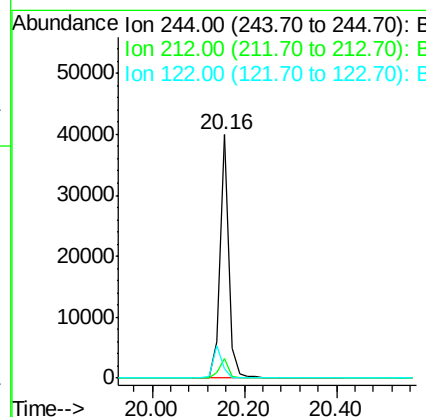
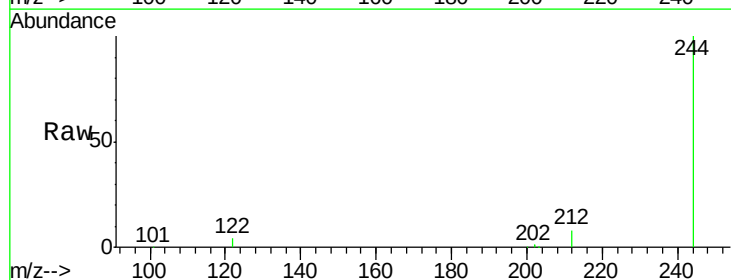
Instrument :
BNA_E
ClientSampleId :
CPS043044RE

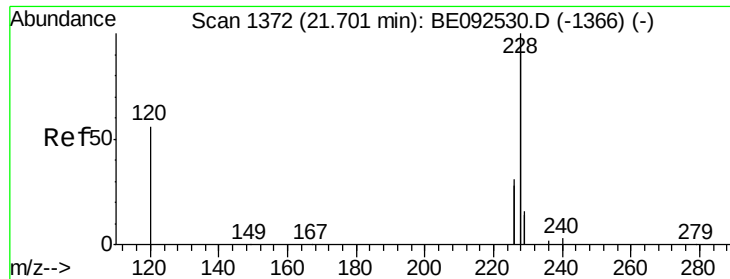
Tgt Ion:240 Resp: 79032
Ion Ratio Lower Upper
240 100
120 2.2 2.6 4.0#
236 26.1 24.6 37.0



#26
Terphenyl-d14
Concen: 5.93 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092559.D
Acq: 17 Nov 2016 11:18

Tgt Ion:244 Resp: 53616
Ion Ratio Lower Upper
244 100
212 8.1 6.7 10.1
122 3.6 3.6 5.4

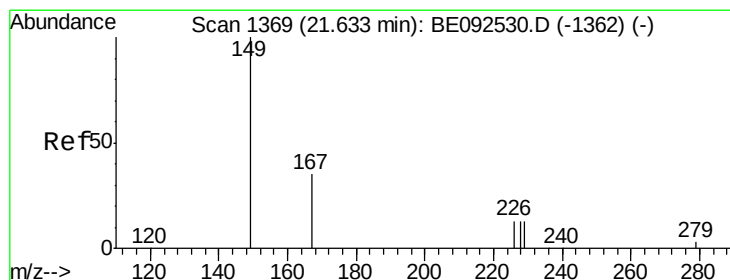
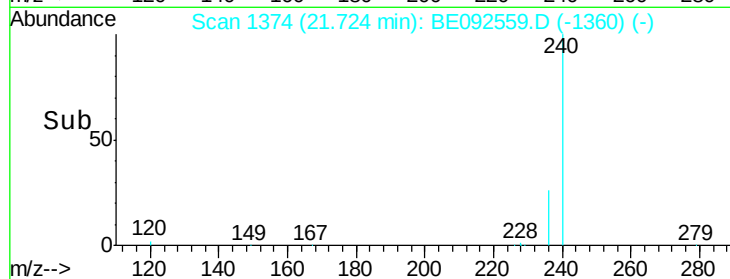
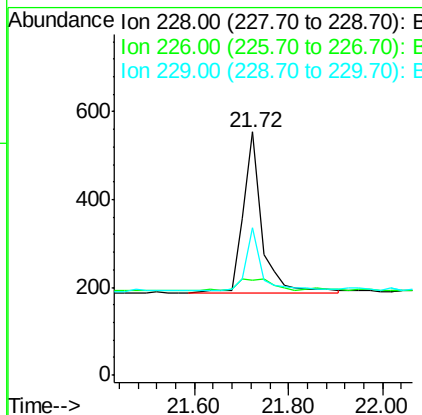
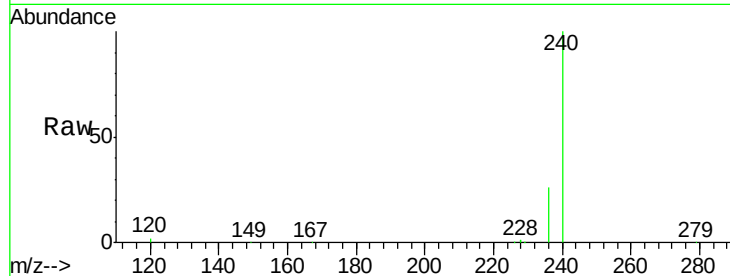




#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.02 min
 Lab File: BE092559.D
 Acq: 17 Nov 2016 11:18

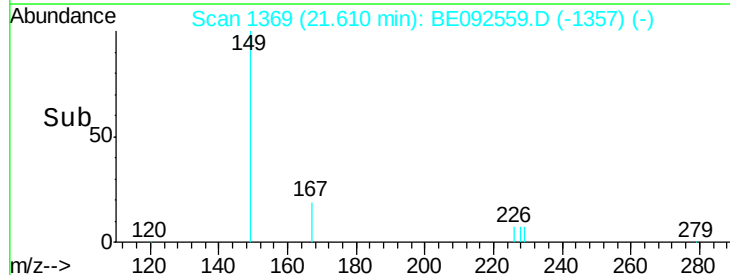
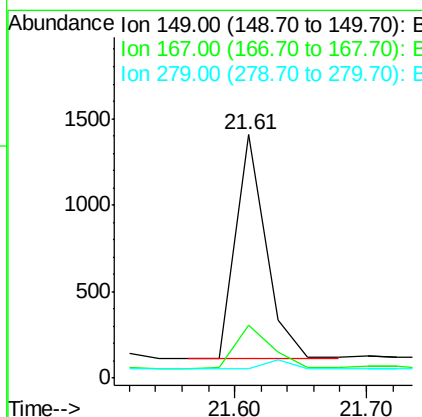
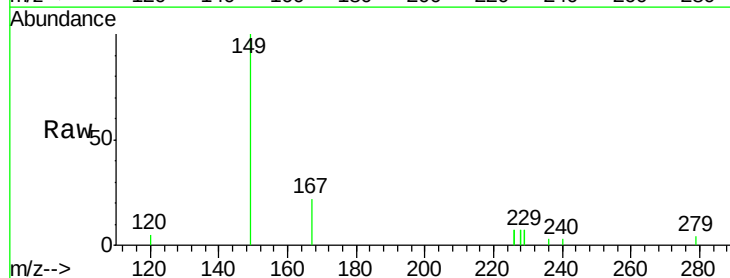
Instrument :
 BNA_E
 ClientSampleId :
 CPS043044RE

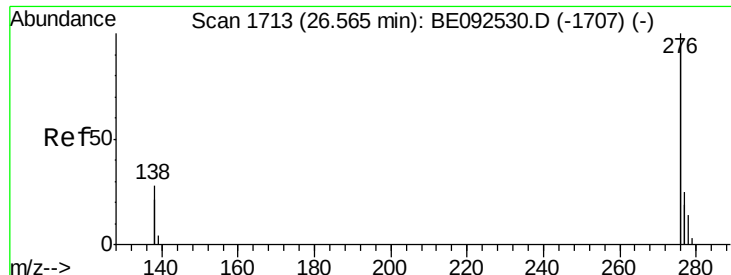
Tgt Ion:228 Resp: 1011
 Ion Ratio Lower Upper
 228 100
 226 39.0 23.6 35.4#
 229 60.6 13.3 19.9#



#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.52 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: BE092559.D
 Acq: 17 Nov 2016 11:18

Tgt Ion:149 Resp: 2098
 Ion Ratio Lower Upper
 149 100
 167 22.4 16.0 24.0
 279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.05 min

Lab File: BE092559.D

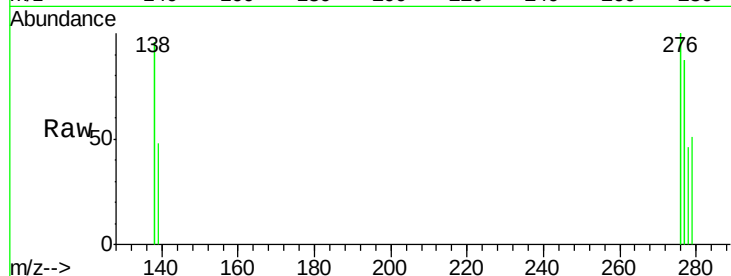
Acq: 17 Nov 2016 11:18

Instrument :

BNA_E

ClientSampleId :

CPS043044RE



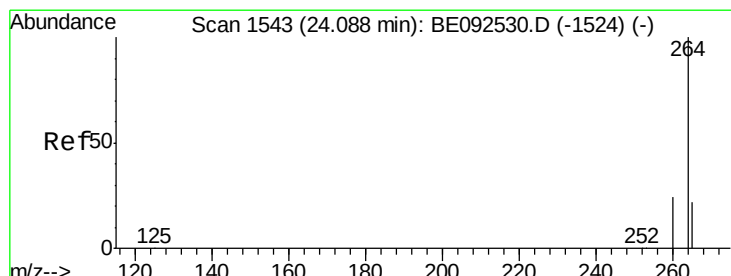
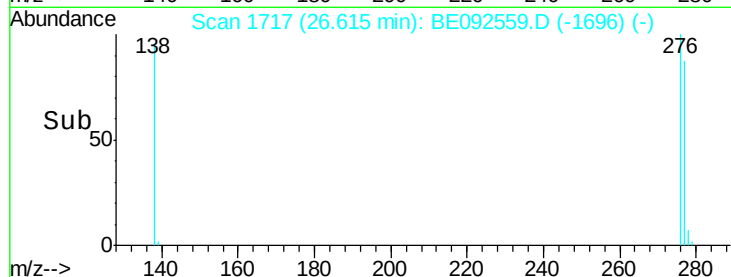
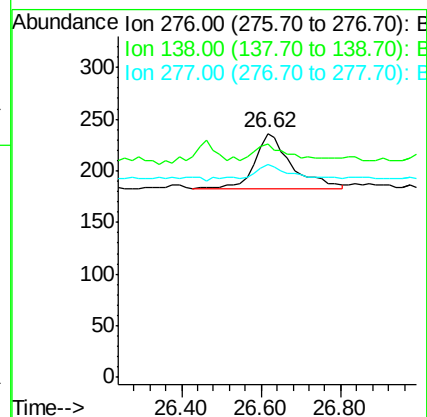
Tgt Ion: 276 Resp: 358

Ion Ratio Lower Upper

276 100

138 26.5 20.3 30.5

277 35.5 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: BE092559.D

Acq: 17 Nov 2016 11:18

Tgt Ion: 264 Resp: 68644

Ion Ratio Lower Upper

264 100

260 25.2 20.1 30.1

265 22.0 17.9 26.9

