

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120116\
 Data File : BE092584.D
 Acq On : 1 Dec 2016 12:43
 Operator : UM/SJ
 Sample : H5778-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-161128

Quant Time: Dec 02 01:00:40 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	8473	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	37640	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	25367	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	57896	5.00	ng	0.00
24) Chrysene-d12	21.72	240	85642	5.00	ng	0.00
31) Perylene-d12	24.08	264	76396	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	6703	4.68	ng	-0.02
5) Phenol-d6	7.34	99	4496	1.97	ng	-0.02
8) Nitrobenzene-d5	9.34	82	10709	4.39	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	5530	9.72	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	27976	4.52	ng	-0.01
26) Terphenyl-d14	20.16	244	50910	5.20	ng	-0.02

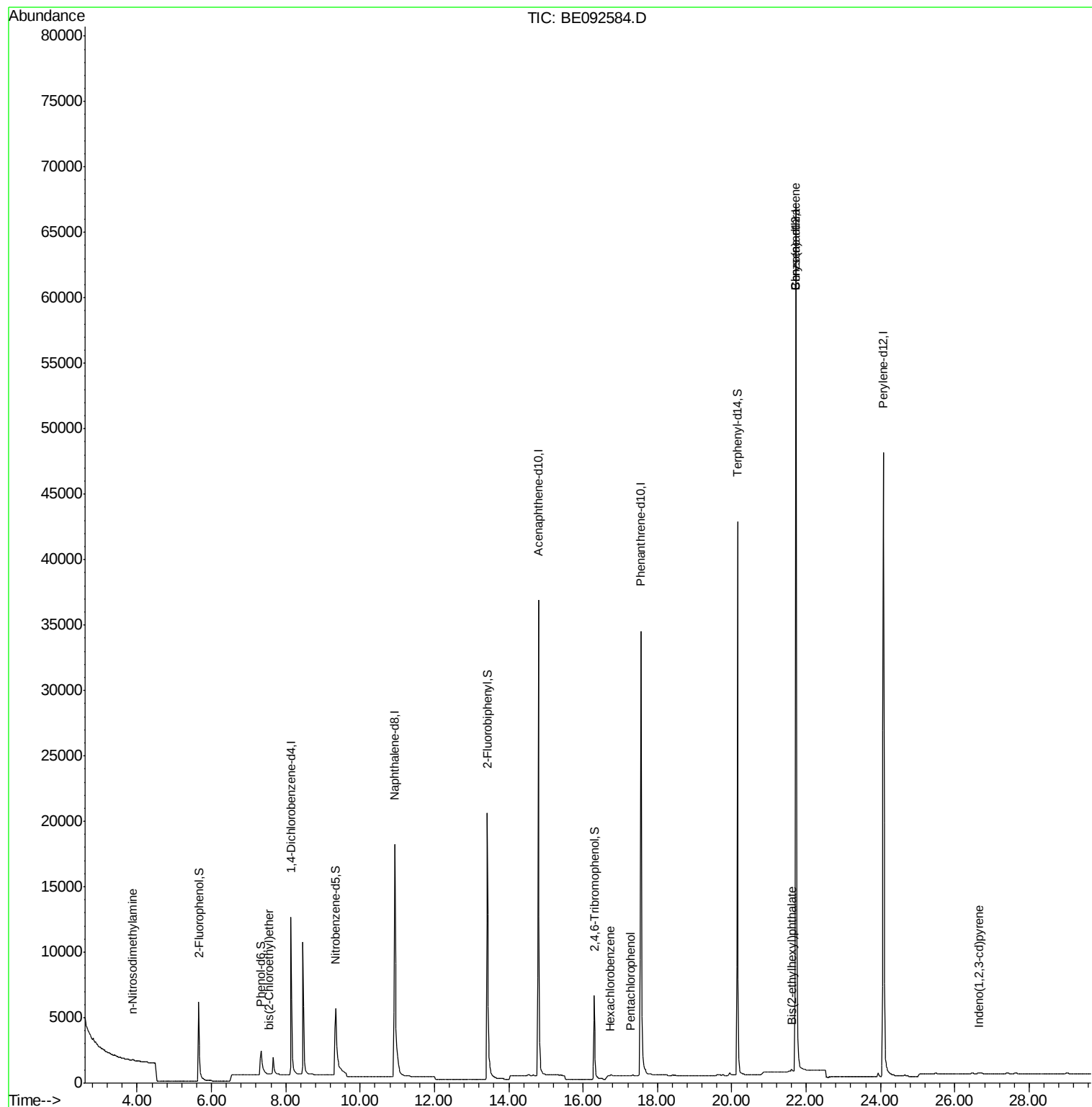
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	76	Below Cal	#	1
3) n-Nitrosodimethylamine	3.88	42	29	0.20 ng	#	1
6) bis(2-Chloroethyl)ether	7.54	93	11	0.04 ng	#	58
19) Hexachlorobenzene	16.73	284	527	0.23 ng	#	39
20) Pentachlorophenol	17.28	266	26	0.09 ng	#	72
27) Benzo(a)anthracene	21.72	228	1163	0.11 ng	#	63
29) Bis(2-ethylhexyl)phthalate	21.61	149	395	0.19 ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.65	276	268	0.05 ng	#	84

(#) = 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: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128

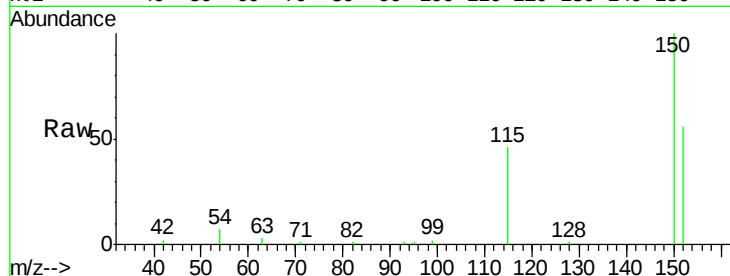
Tgt Ion:152 Resp: 8473

Ion Ratio Lower Upper

152 100

150 178.0 106.0 159.0#

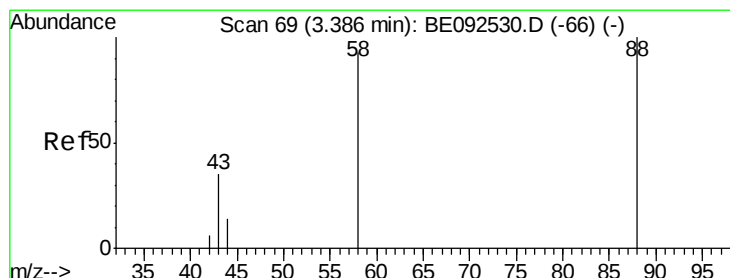
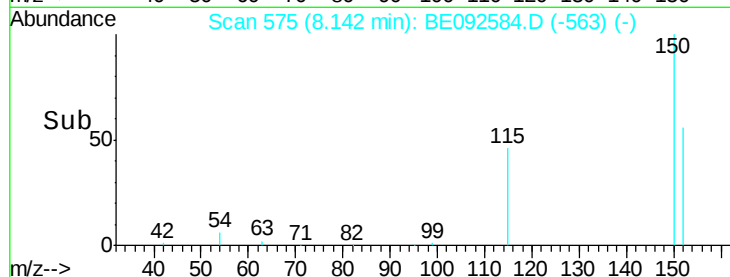
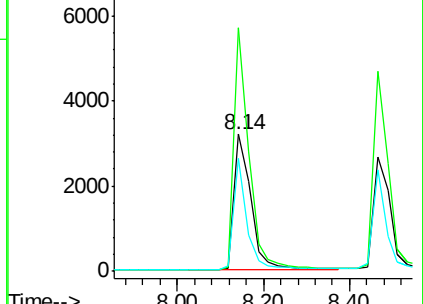
115 82.7 31.2 46.8#



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: 3.40 min Scan# 70

Delta R.T. 0.01 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

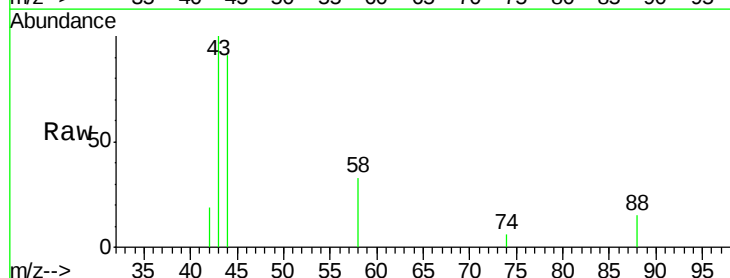
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

58 282.9 63.6 95.4#

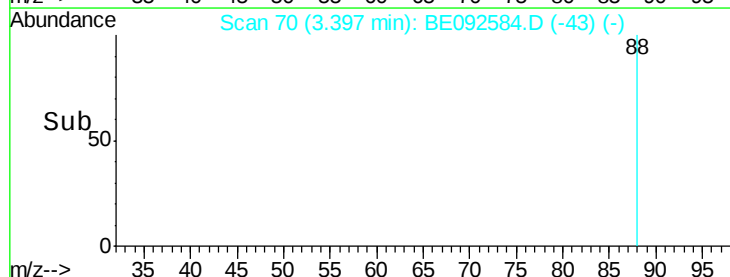
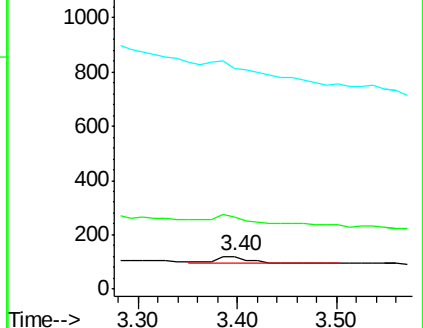
43 0.0 28.0 42.0#

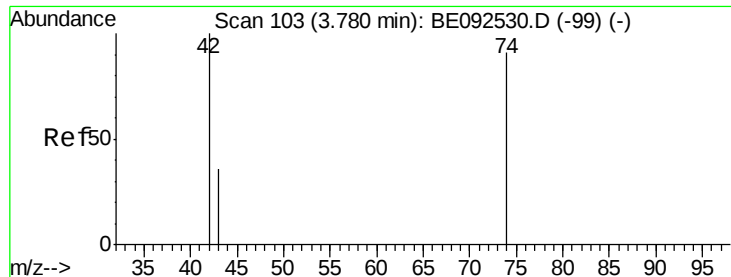


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.10 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128

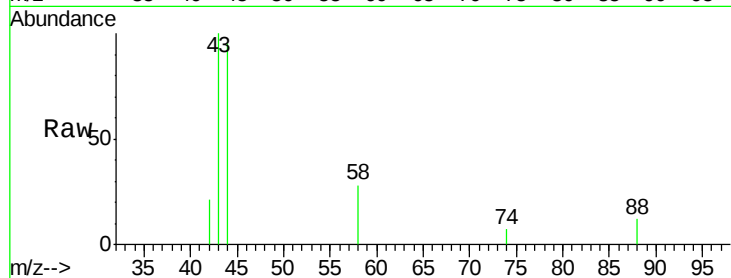
Tgt Ion: 42 Resp: 29

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

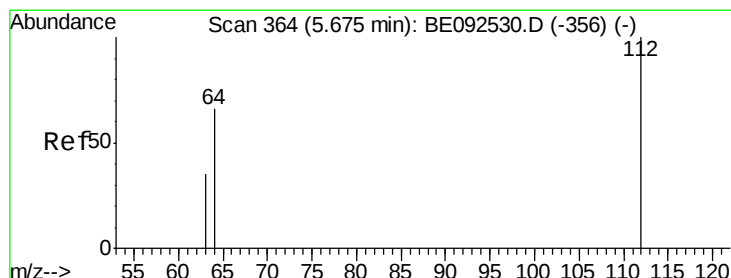
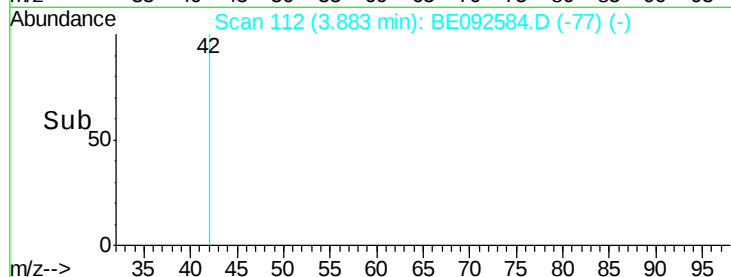
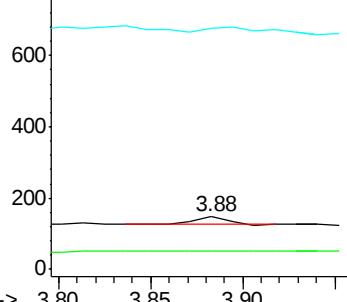
44 158.6 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 4.68 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

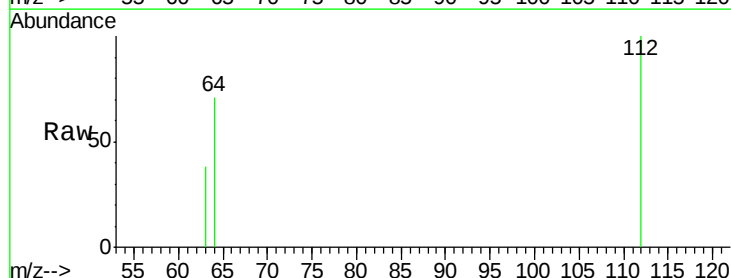
Tgt Ion: 112 Resp: 6703

Ion Ratio Lower Upper

112 100

64 68.8 53.5 80.3

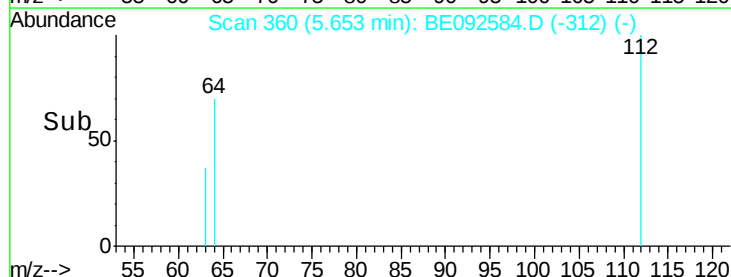
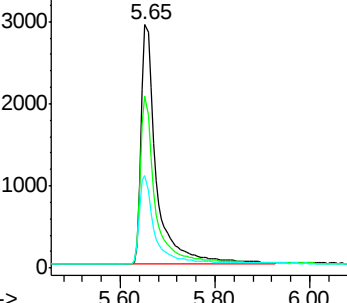
63 37.1 27.9 41.9

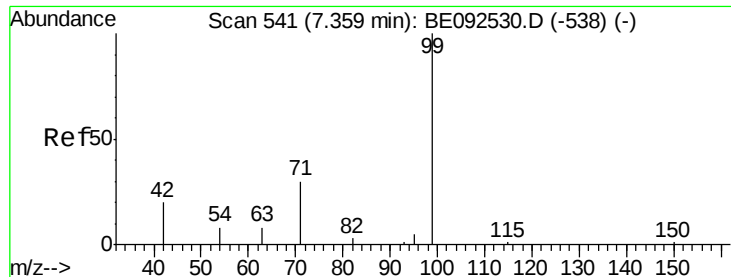


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.97 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128

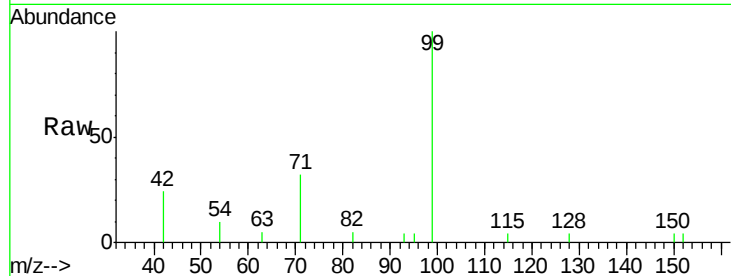
Tgt Ion: 99 Resp: 4496

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

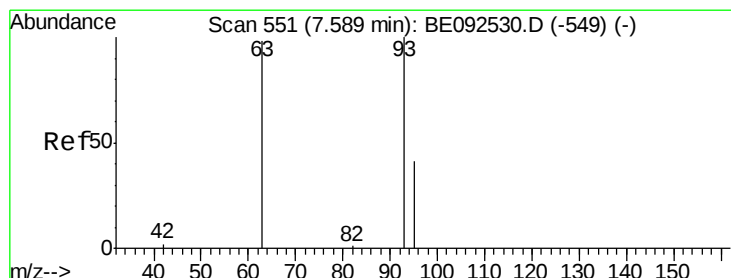
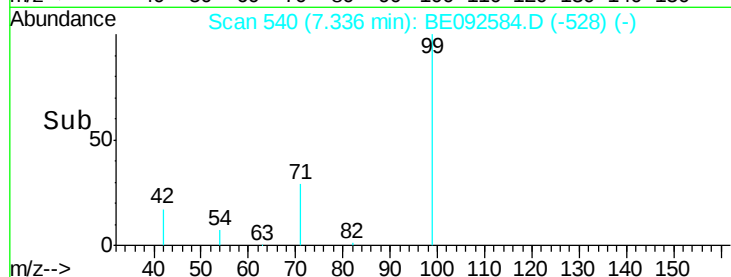
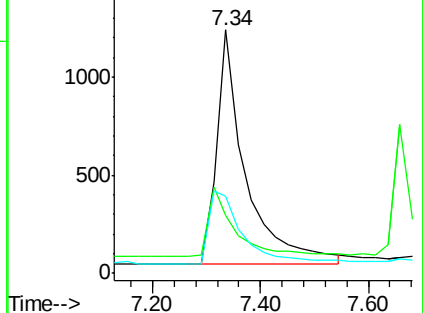
71 0.0 30.6 45.8#



Abundance Ion 99.00 (98.70 to 99.70): 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: 0.04 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.04 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

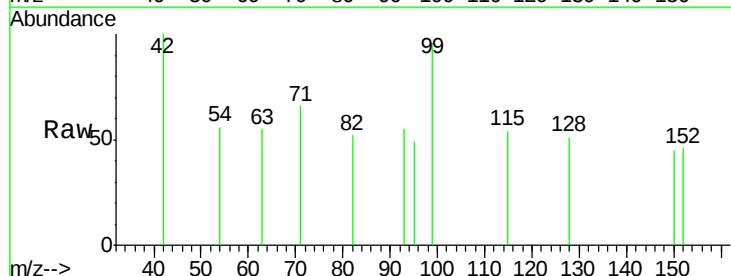
Tgt Ion: 93 Resp: 11

Ion Ratio Lower Upper

93 100

63 54.5 71.6 107.4#

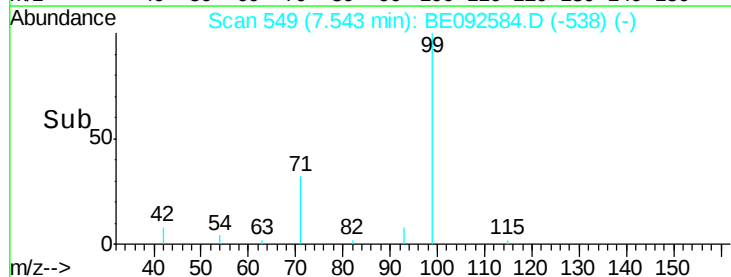
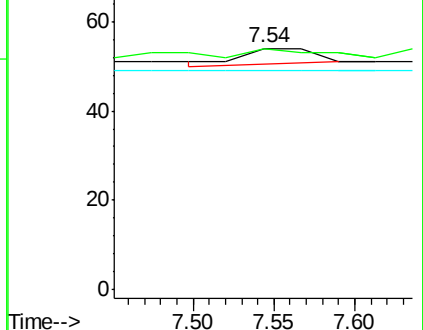
95 0.0 24.0 36.0#

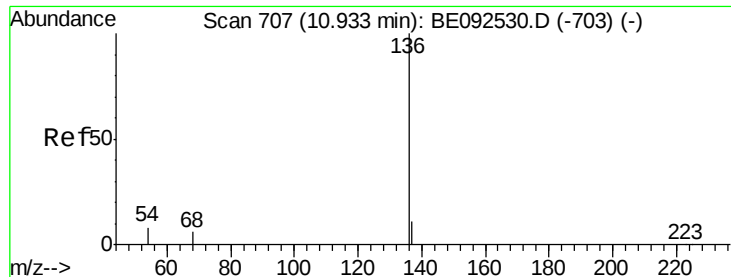


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092584.D

Acq: 1 Dec 2016 12:43

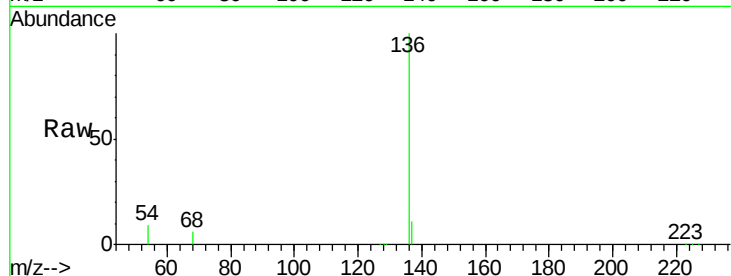
Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128

Tgt Ion:	136	Resp:	37640
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	9.1	9.6	14.4#
68	6.4	6.7	10.1#

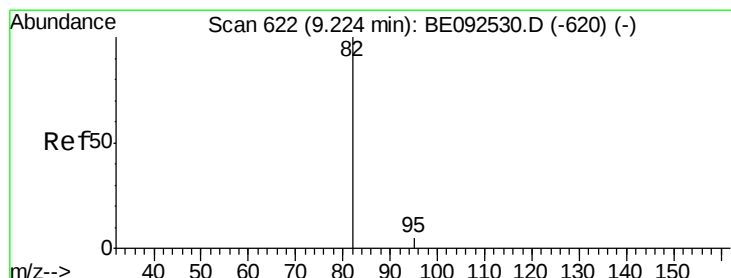
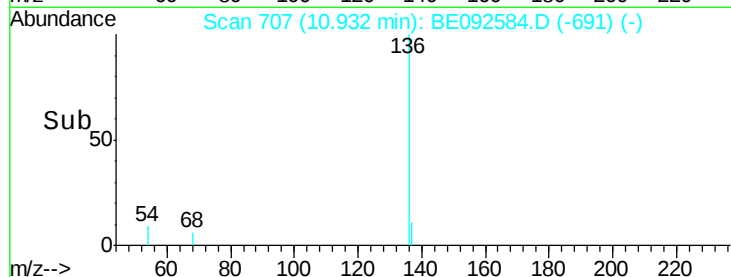
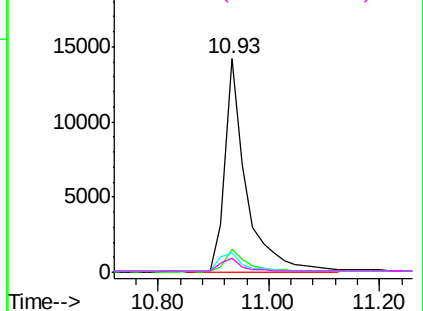


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.39 ng

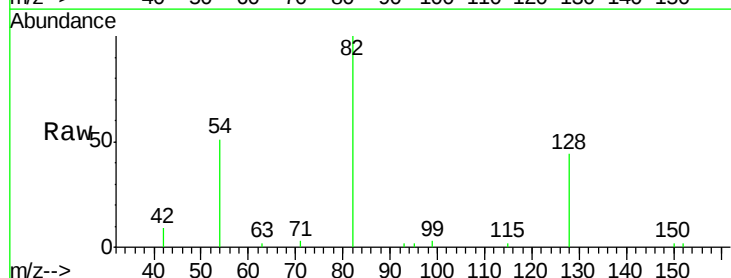
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

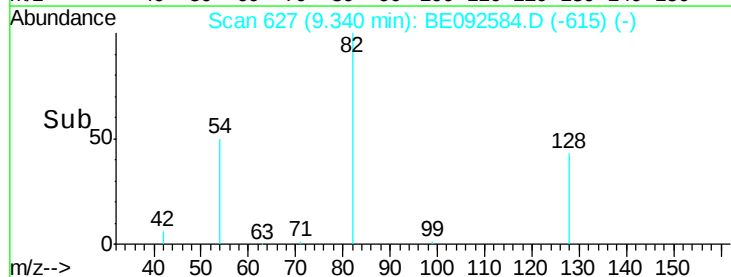
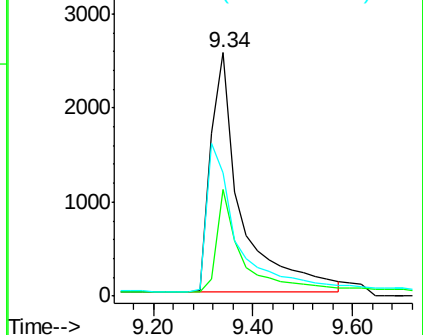
Tgt Ion:	82	Resp:	10709
Ion	Ratio	Lower	Upper
82	100		
128	43.6	39.0	58.4
54	50.7	44.8	67.2

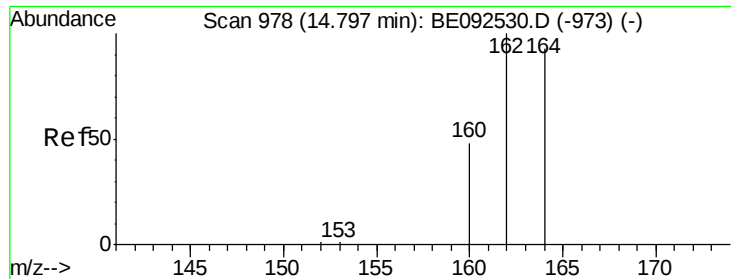


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

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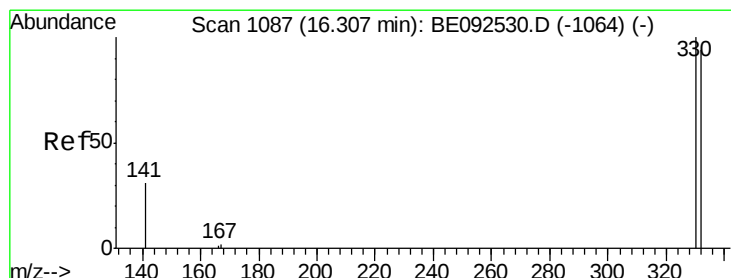
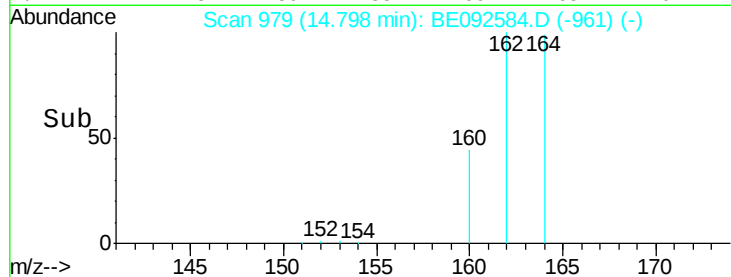
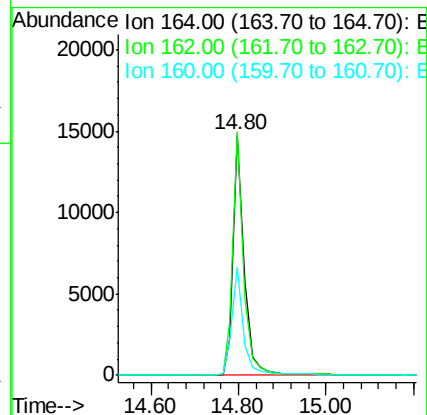
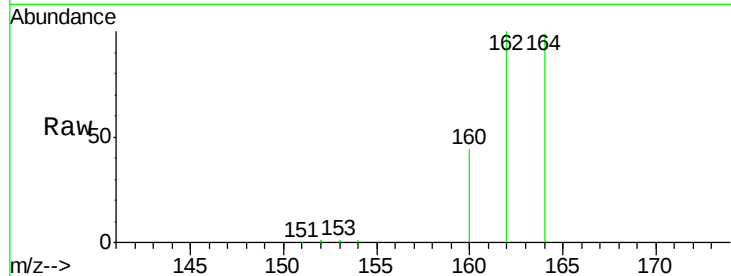
Tgt Ion:164 Resp: 25367

Ion Ratio Lower Upper

164 100

162 101.4 71.4 107.0

160 45.1 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 9.72 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

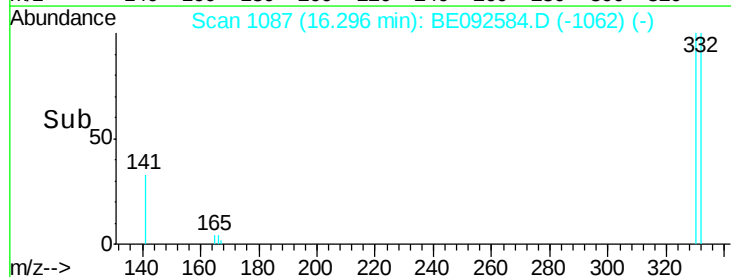
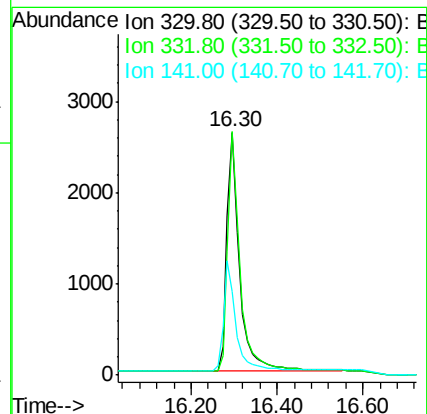
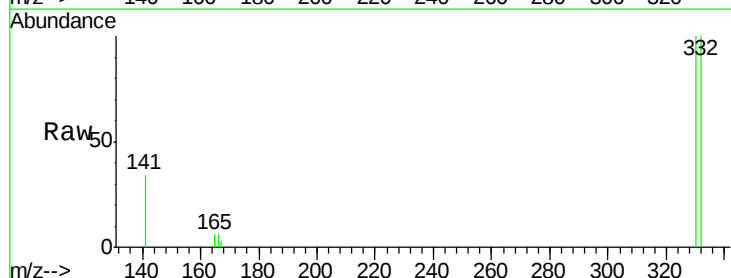
Tgt Ion:330 Resp: 5530

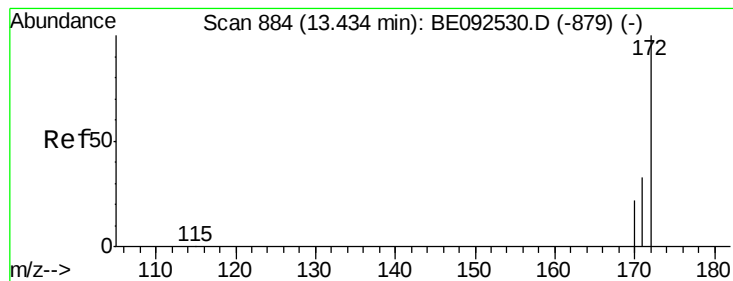
Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.0

141 44.6 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 4.52 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

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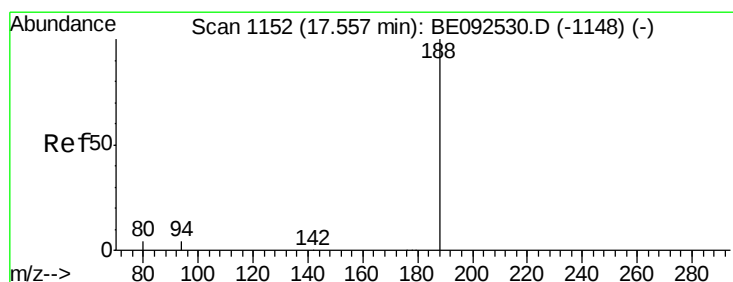
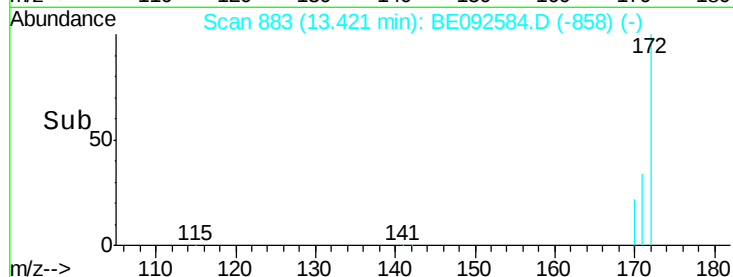
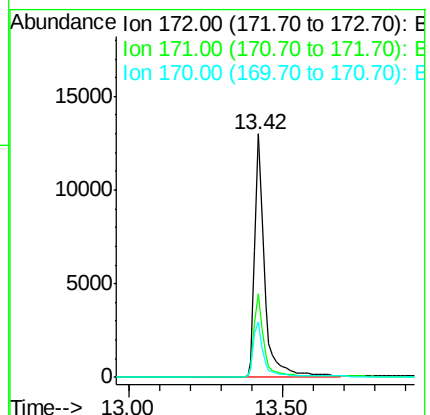
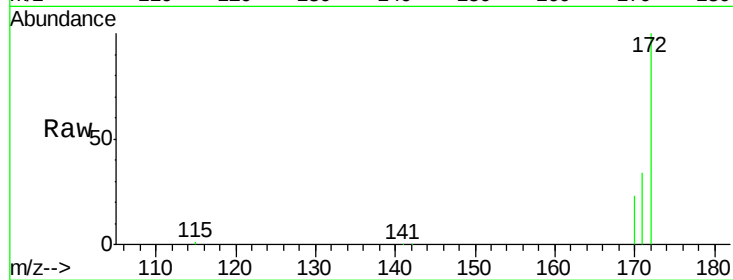
Tgt Ion:172 Resp: 27976

Ion Ratio Lower Upper

172 100

171 34.2 30.1 45.1

170 22.8 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: BE092584.D

Acq: 1 Dec 2016 12:43

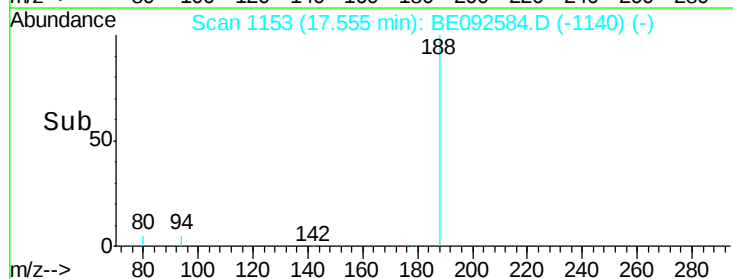
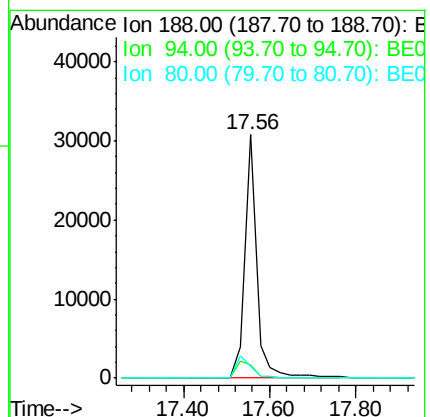
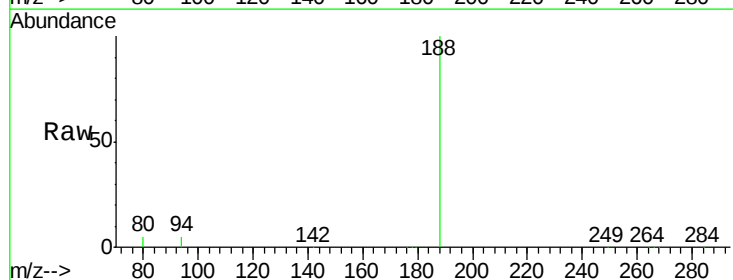
Tgt Ion:188 Resp: 57896

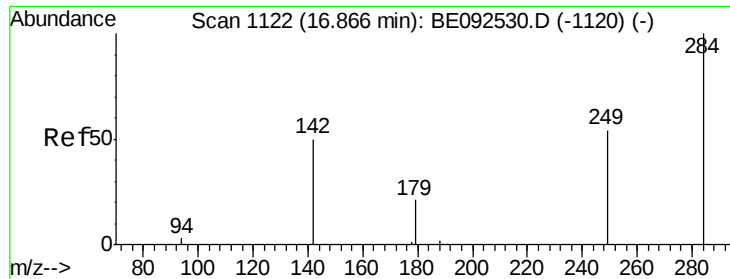
Ion Ratio Lower Upper

188 100

94 5.4 3.2 4.8#

80 5.1 2.6 3.8#





#19

Hexachlorobenzene

Concen: 0.23 ng

RT: 16.73 min Scan# 1117

Delta R.T. -0.14 min

Lab File: BE092584.D

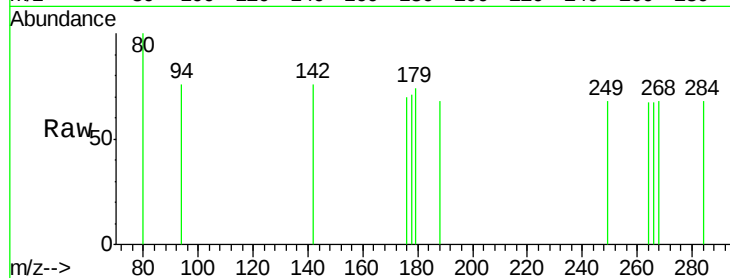
Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 284 Resp: 527

Ion Ratio Lower Upper

284 100

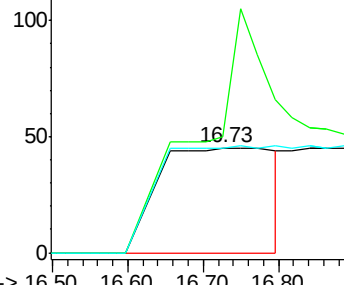
142 0.0 29.1 43.7#

249 0.0 27.9 41.9#

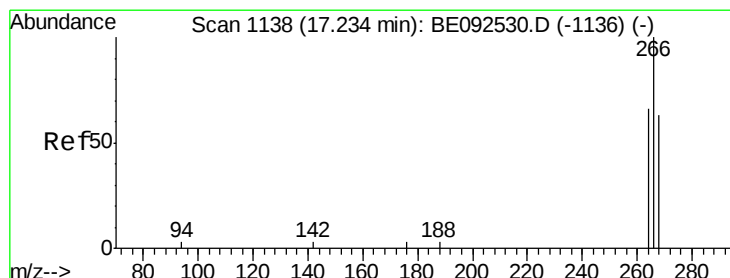
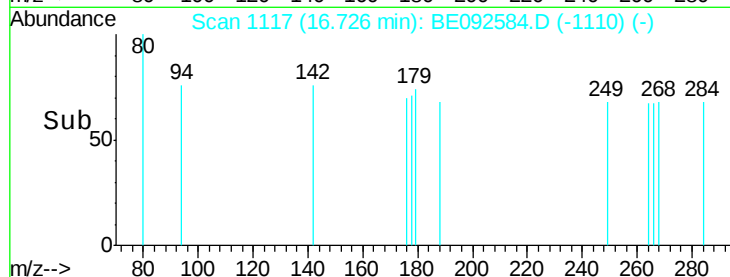
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time--> 16.50 16.60 16.70 16.80



#20

Pentachlorophenol

Concen: 0.09 ng

RT: 17.28 min Scan# 1141

Delta R.T. 0.04 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

Tgt Ion: 266 Resp: 26

Ion Ratio Lower Upper

266 100

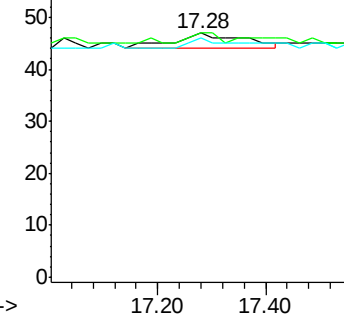
268 100.0 62.5 93.7#

264 97.9 57.2 85.8#

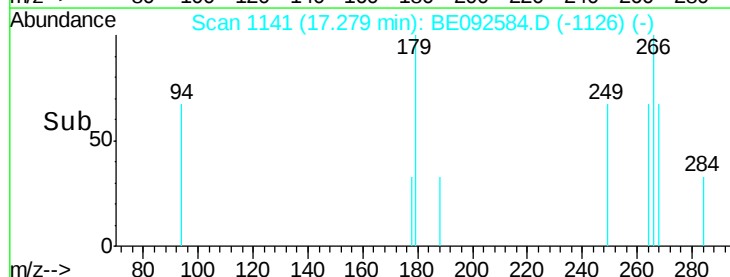
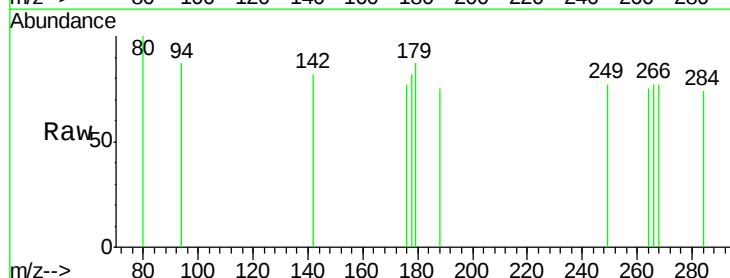
Abundance Ion 265.70 (265.40 to 266.40): E

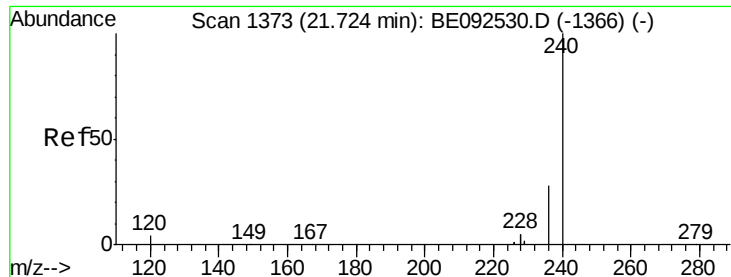
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time--> 17.20 17.40





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128

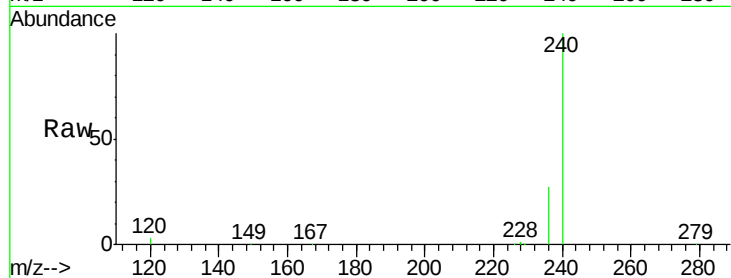
Tgt Ion:240 Resp: 85642

Ion Ratio Lower Upper

240 100

120 3.3 2.6 4.0

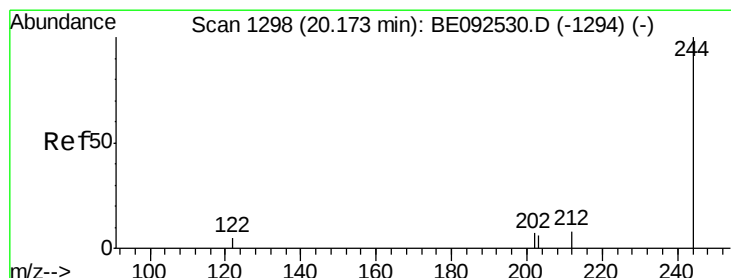
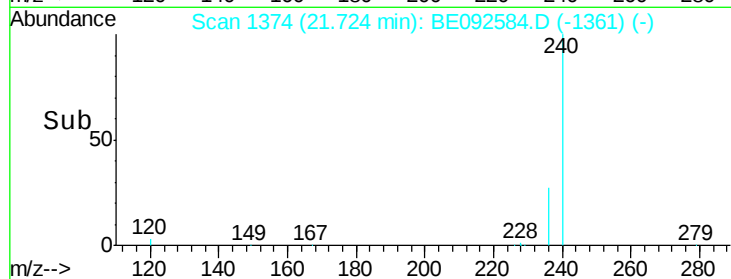
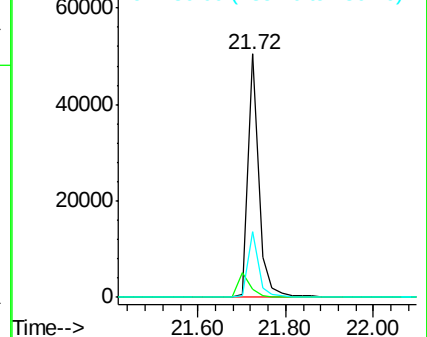
236 27.2 24.6 37.0



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: 5.20 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092584.D

Acq: 1 Dec 2016 12:43

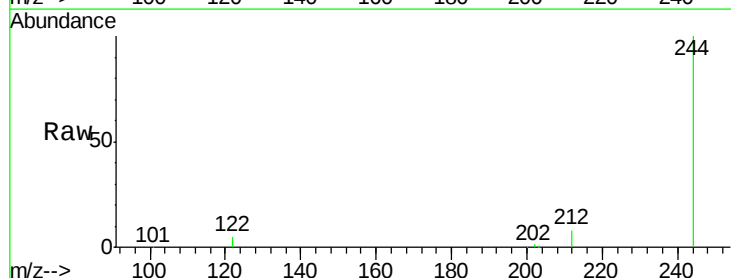
Tgt Ion:244 Resp: 50910

Ion Ratio Lower Upper

244 100

212 8.3 6.7 10.1

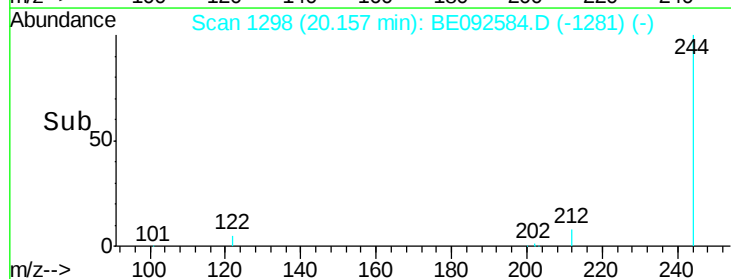
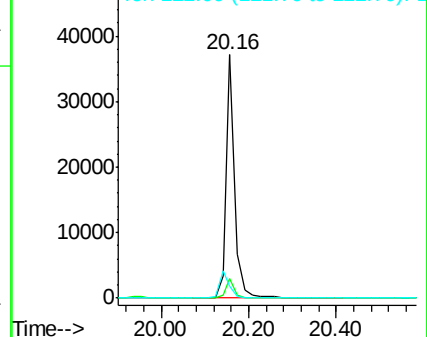
122 4.7 3.6 5.4

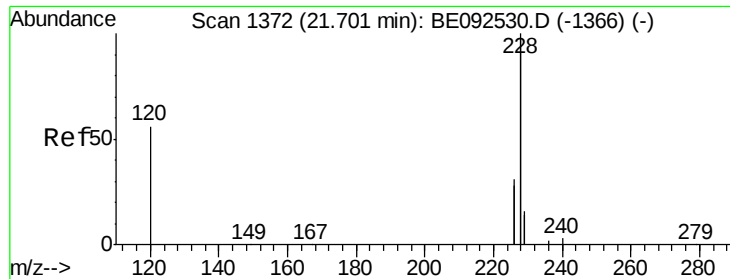


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

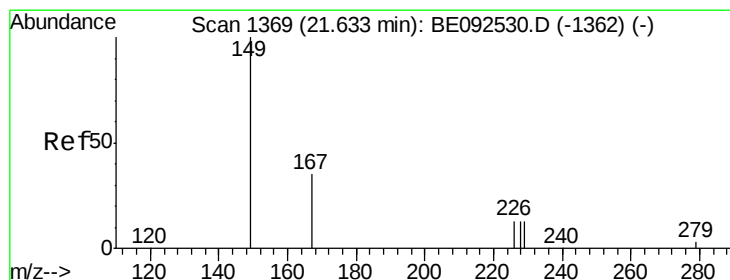
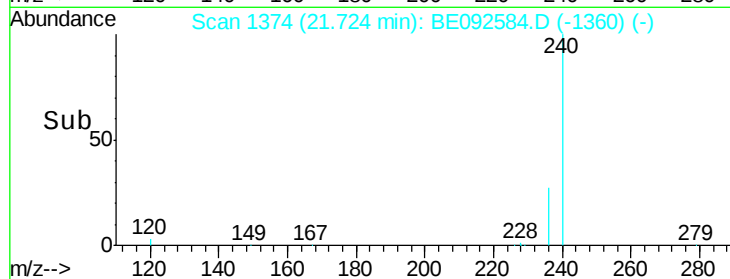
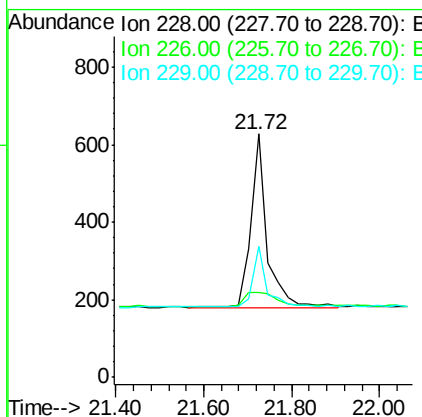
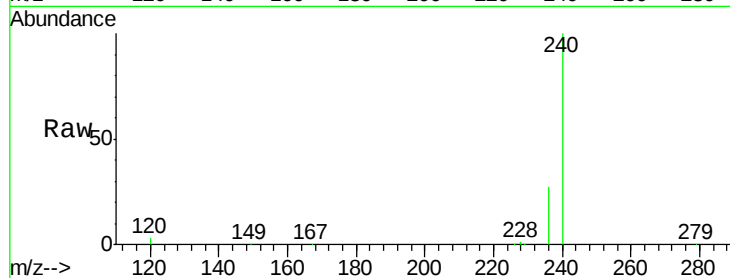




#27
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.02 min
 Lab File: BE092584.D
 Acq: 1 Dec 2016 12:43

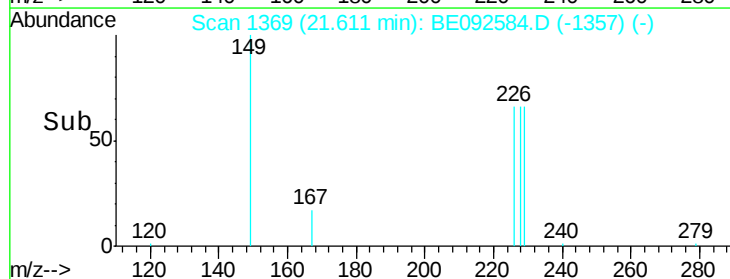
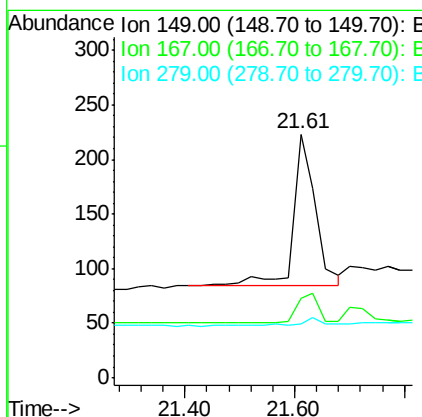
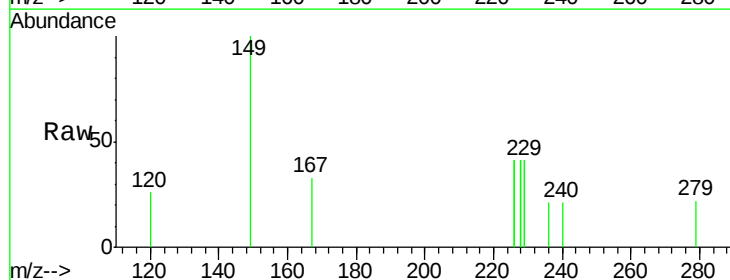
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-161128

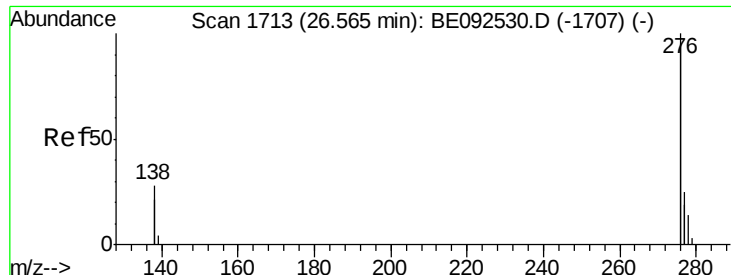
Tgt Ion:228 Resp: 1163
 Ion Ratio Lower Upper
 228 100
 226 34.7 23.6 35.4
 229 53.8 13.3 19.9#



#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.19 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: BE092584.D
 Acq: 1 Dec 2016 12:43

Tgt Ion:149 Resp: 395
 Ion Ratio Lower Upper
 149 100
 167 0.0 16.0 24.0#
 279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.65 min Scan# 1719

Delta R.T. 0.09 min

Lab File: BE092584.D

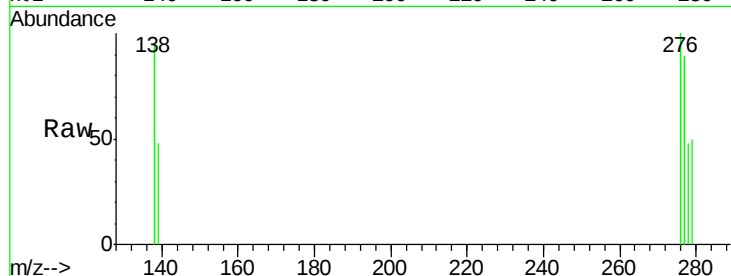
Acq: 1 Dec 2016 12:43

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161128



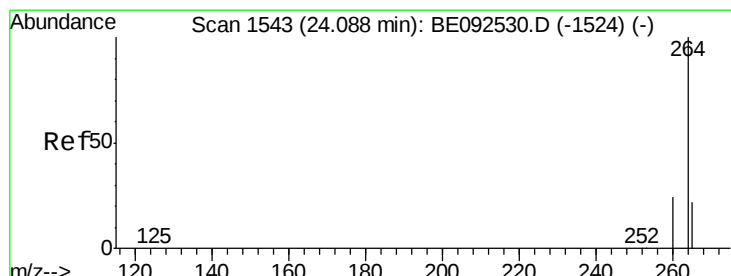
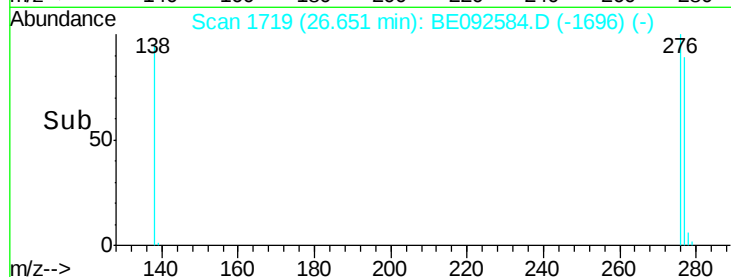
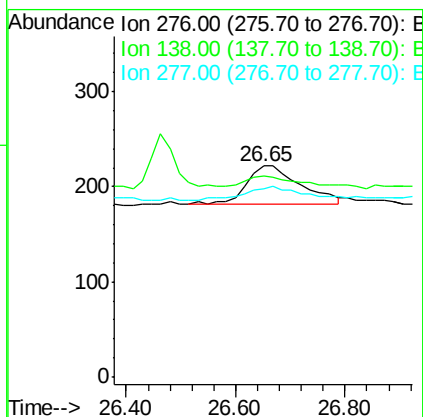
Tgt Ion: 276 Resp: 268

Ion Ratio Lower Upper

276 100

138 28.4 20.3 30.5

277 37.3 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: BE092584.D

Acq: 1 Dec 2016 12:43

Tgt Ion: 264 Resp: 76396

Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

265 21.0 17.9 26.9

