

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021517\
 Data File : BE092740.D
 Acq On : 15 Feb 2017 19:21
 Operator : SJ/MA
 Sample : I1788-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 16 03:25:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	10250	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	47914	5.00	ng	0.00
12) Acenaphthene-d10	14.77	164	29836	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	63168	5.00	ng	0.00
24) Chrysene-d12	21.70	240	68563	5.00	ng	0.00
31) Perylene-d12	24.03	264	68242	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.61	112	11684	5.86	ng	-0.02
5) Phenol-d6	7.29	99	8875	3.63	ng	-0.02
8) Nitrobenzene-d5	9.29	82	15447	4.78	ng	-0.02
13) 2,4,6-Tribromophenol	16.26	330	7552	11.93	ng	-0.02
14) 2-Fluorobiphenyl	13.39	172	37309	5.13	ng	-0.01
26) Terphenyl-d14	20.12	244	51033	5.83	ng	-0.02

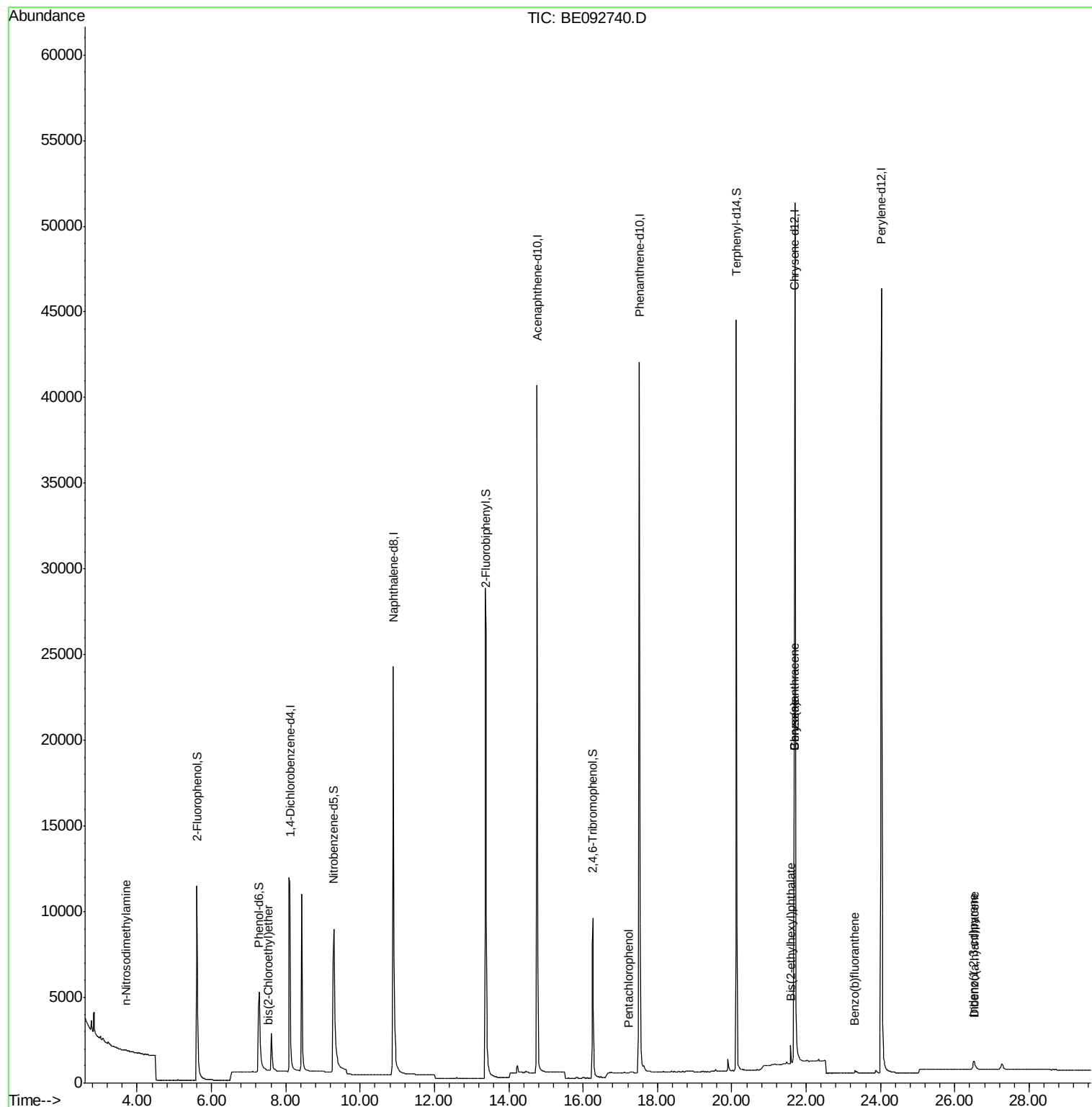
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.71	42	18	0.22	ng	# 2
6) bis(2-Chloroethyl)ether	7.52	93	83	0.03	ng	# 15
20) Pentachlorophenol	17.23	266	33	0.30	ng	# 74
27) Benzo(a)anthracene	21.68	228	1777	0.03	ng	# 61
28) Chrysene	21.68	228	1766	0.02	ng	# 76
29) Bis(2-ethylhexyl)phthalate	21.59	149	1217	0.19	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.51	276	1386	0.05	ng	# 97
32) Benzo(b)fluoranthene	23.31	252	280	0.05	ng	# 1
35) Dibenzo(a,h)anthracene	26.53	278	289	0.02	ng	# 6

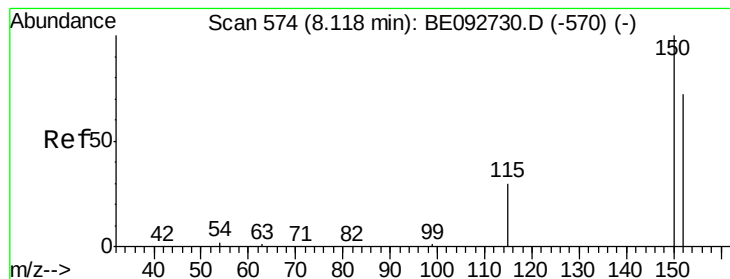
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.00 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :

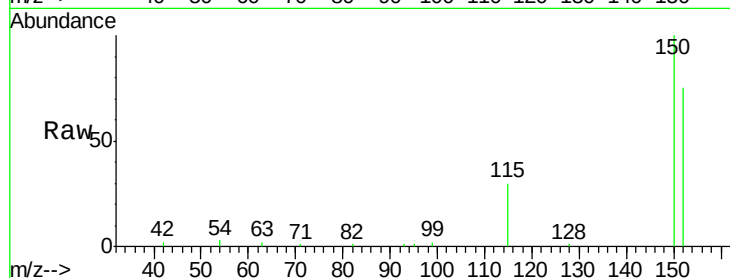
Tot Ion:152 Resp: 10250

Ion Ratio Lower Upper

152 100

150 132.6 106.0 159.0

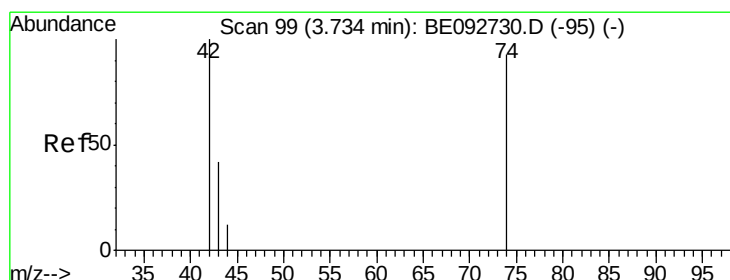
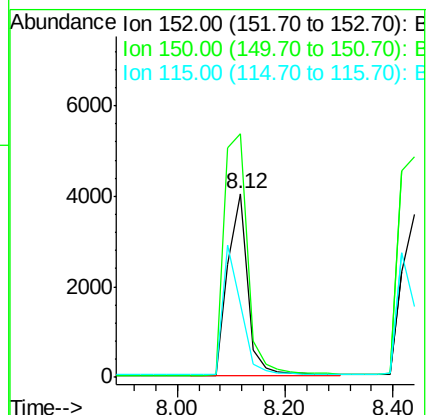
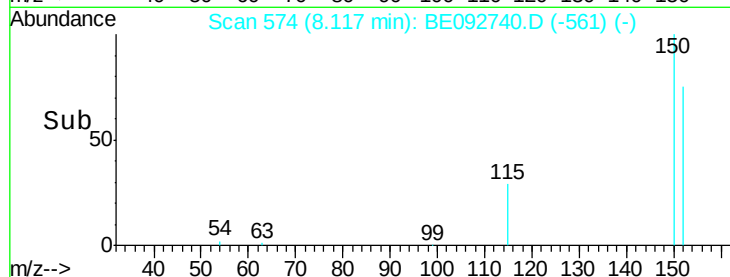
115 40.0 31.2 46.8



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



#3

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 3.71 min Scan# 97

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

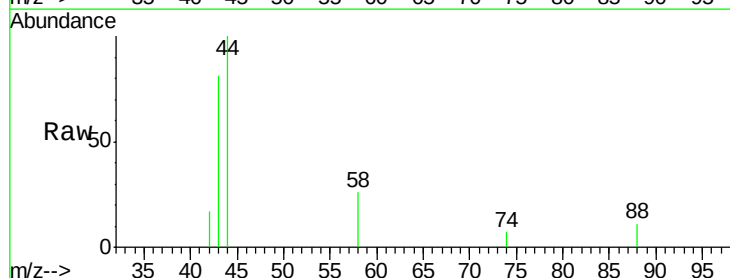
Tgt Ion: 42 Resp: 18

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

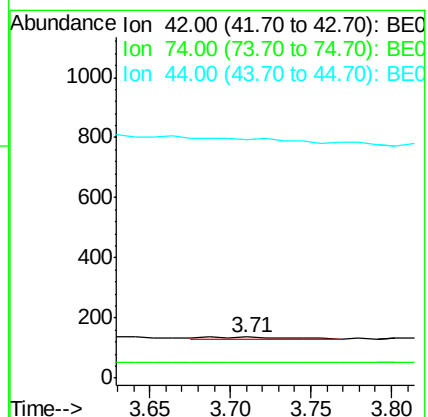
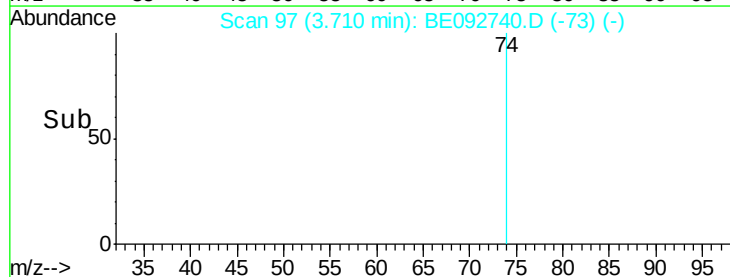
44 0.0 5.1 7.7#

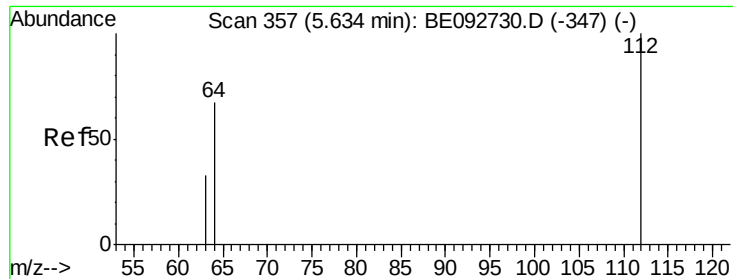


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.86 ng

RT: 5.61 min Scan# 353

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :

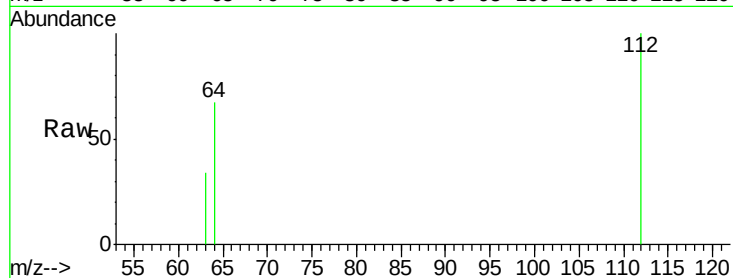
Tot Ion:112 Resp: 11684

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

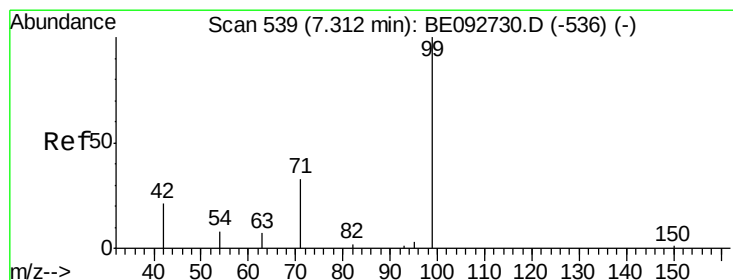
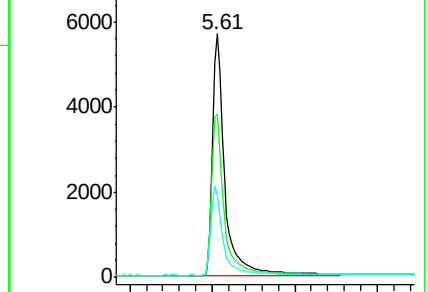
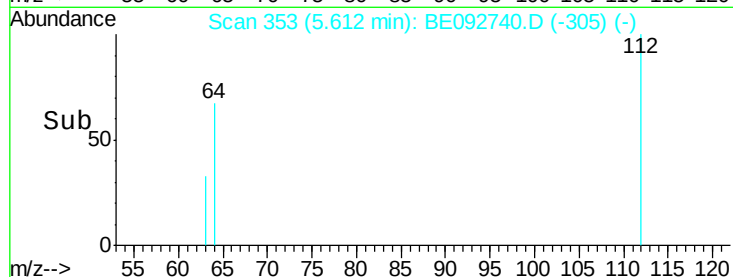
63 36.2 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092740.D (-305) (-)

Ion 64.00 (63.70 to 64.70): BE092740.D (-305) (-)

Ion 63.00 (62.70 to 63.70): BE092740.D (-305) (-)



#5

Phenol-d6

Concen: 3.63 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

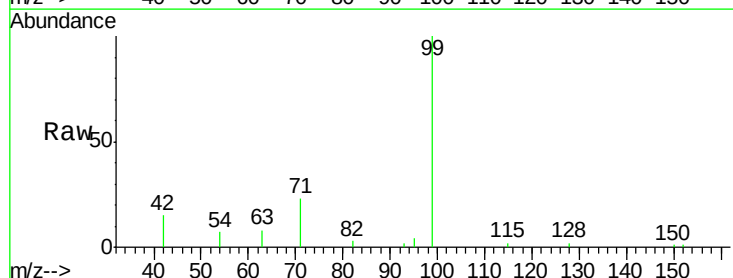
Tgt Ion: 99 Resp: 8875

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

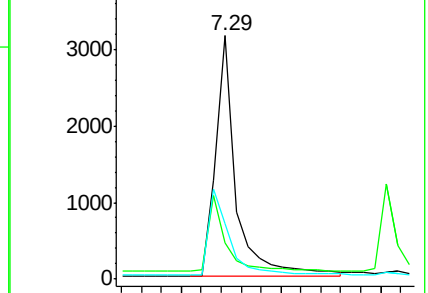
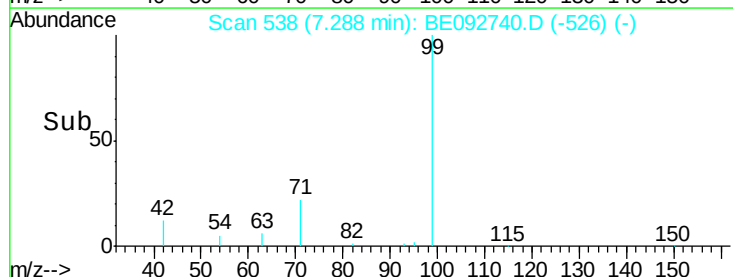
71 0.0 30.6 45.8#

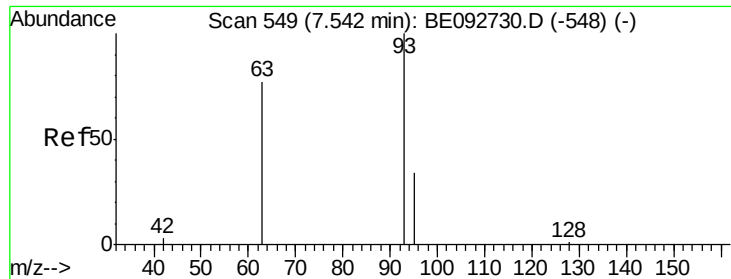


Abundance Ion 99.00 (98.70 to 99.70): BE092740.D (-526) (-)

Ion 42.00 (41.70 to 42.70): BE092740.D (-526) (-)

Ion 71.00 (70.70 to 71.70): BE092740.D (-526) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :

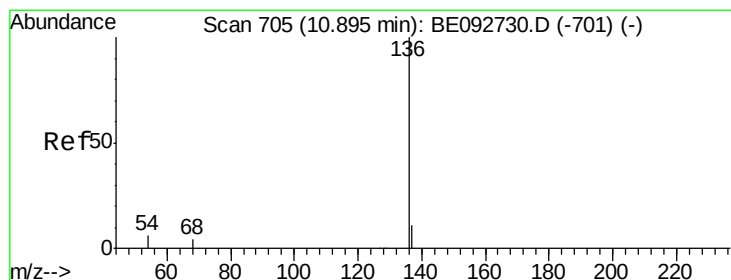
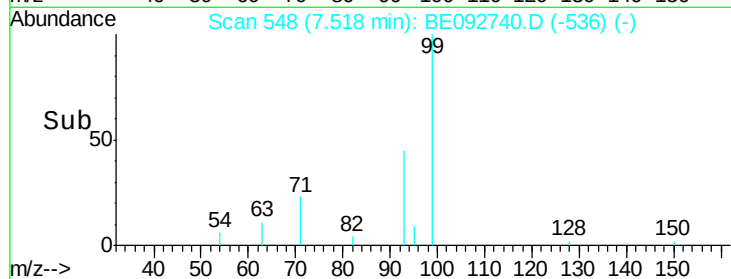
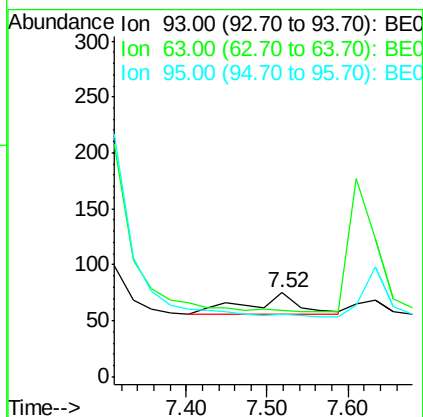
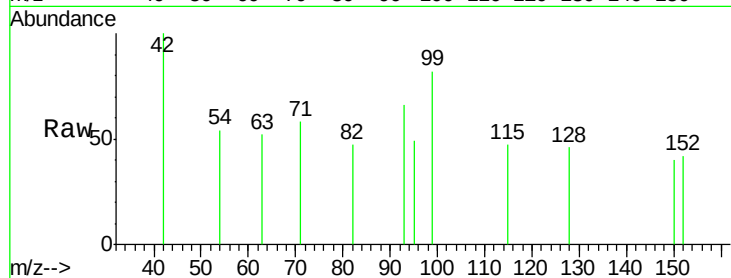
Tot Ion: 93 Resp: 83

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: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Tgt Ion: 136 Resp: 47914

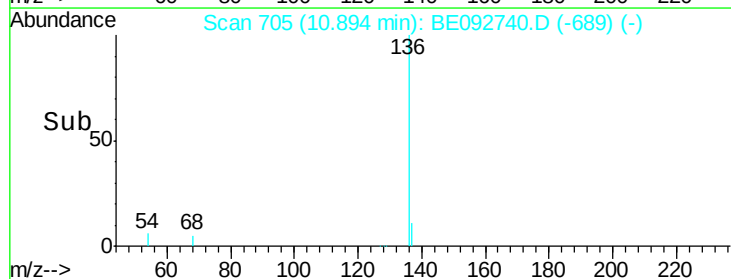
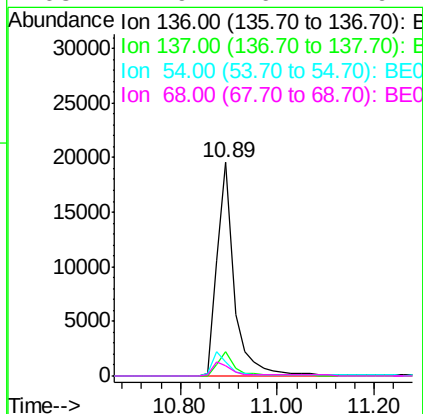
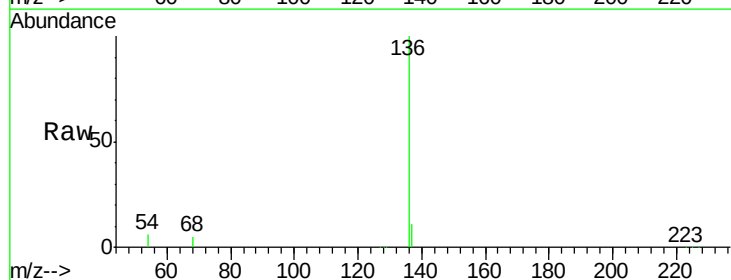
Ion Ratio Lower Upper

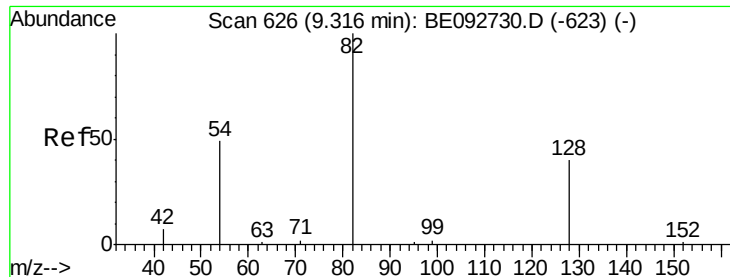
136 100

137 11.5 8.2 12.4

54 6.5 9.6 14.4#

68 4.9 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 4.78 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampled :

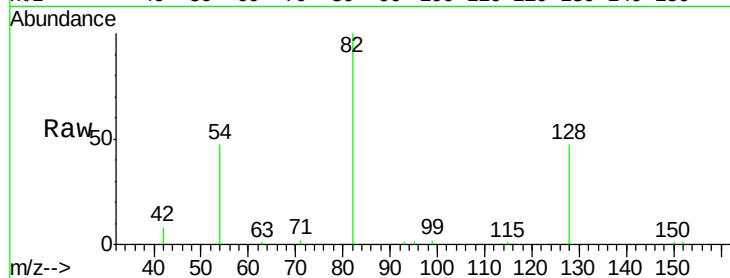
Tot Ion: 82 Resp: 15447

Ion Ratio Lower Upper

82 100

128 47.3 39.0 58.4

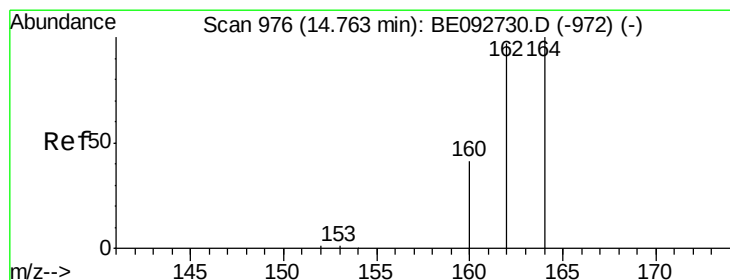
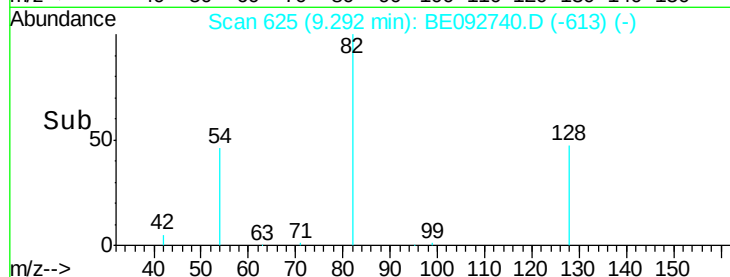
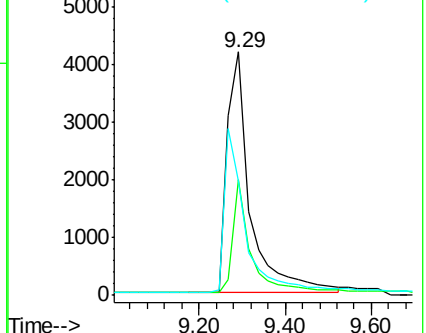
54 46.7 44.8 67.2



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.77 min Scan# 977

Delta R.T. 0.00 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

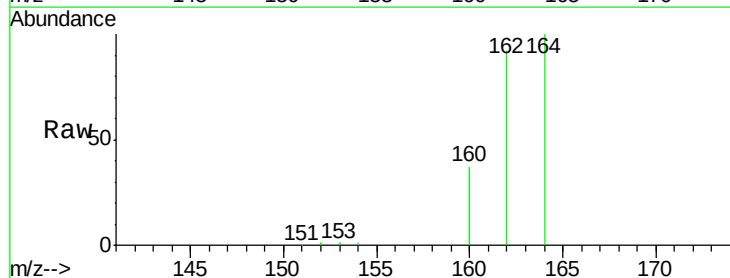
Tgt Ion:164 Resp: 29836

Ion Ratio Lower Upper

164 100

162 91.8 71.4 107.0

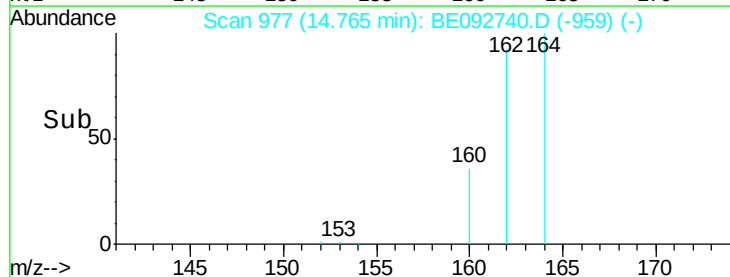
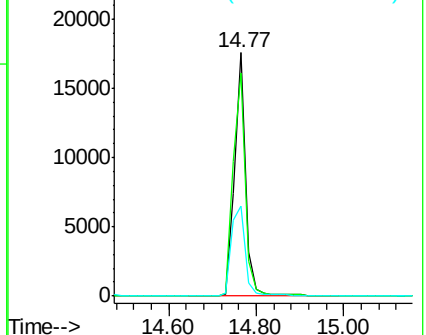
160 37.0 27.4 41.2

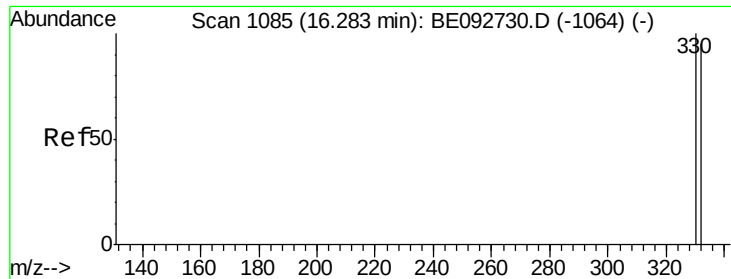


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

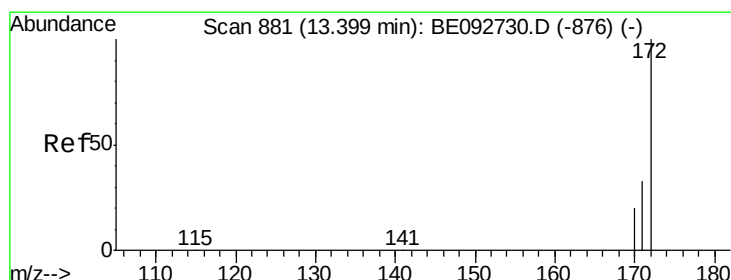
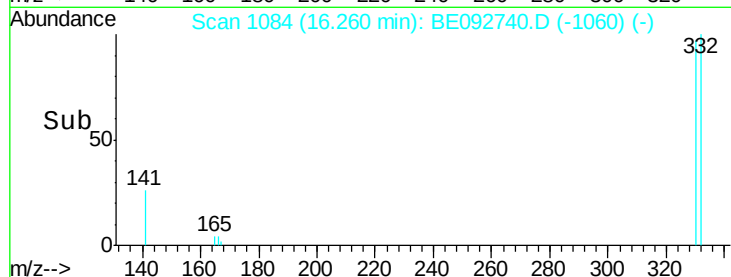
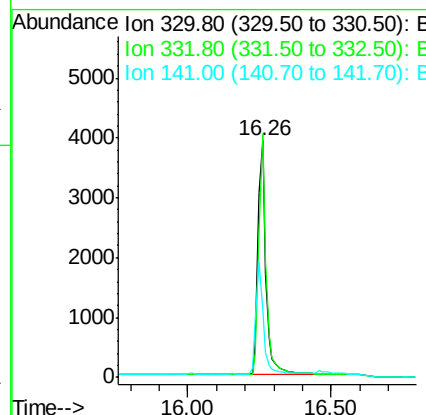
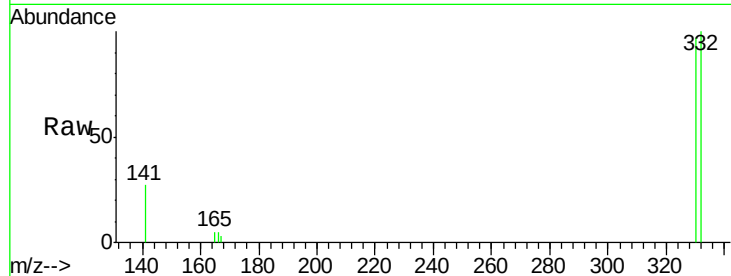




#13
 2,4,6-Tribromophenol
 Concen: 11.93 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092740.D
 Acq: 15 Feb 2017 19:21

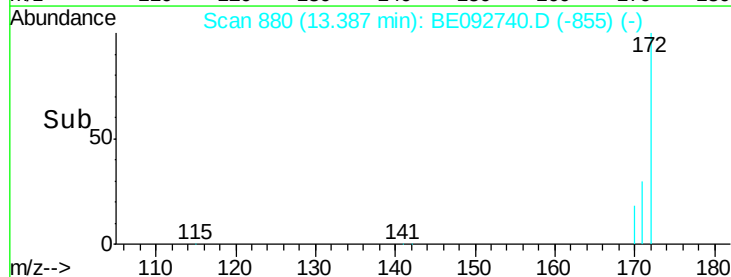
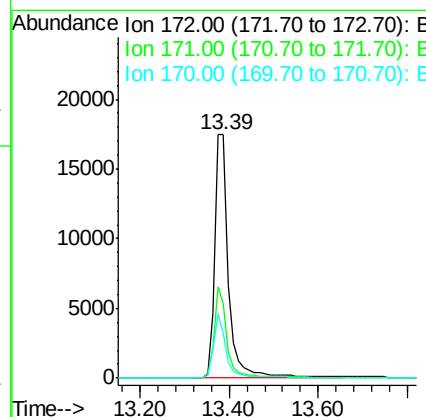
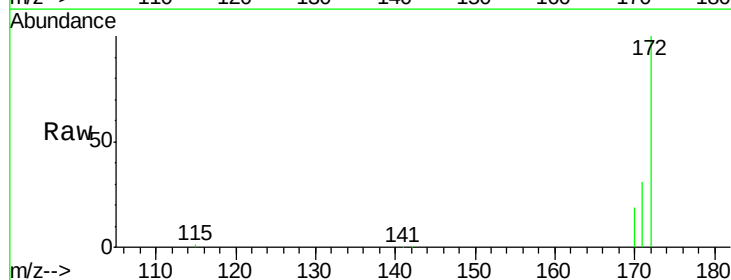
Instrument :
 BNA_E
 ClientSampled :

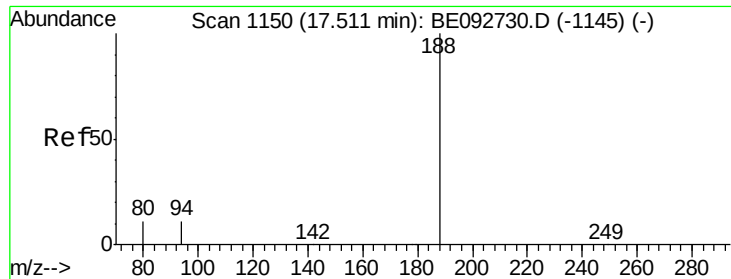
Tot Ion:330 Resp: 7552
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.4 113.0
 141 44.0 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.13 ng
 RT: 13.39 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BE092740.D
 Acq: 15 Feb 2017 19:21

Tgt Ion:172 Resp: 37309
 Ion Ratio Lower Upper
 172 100
 171 30.6 30.1 45.1
 170 18.6 21.8 32.6#

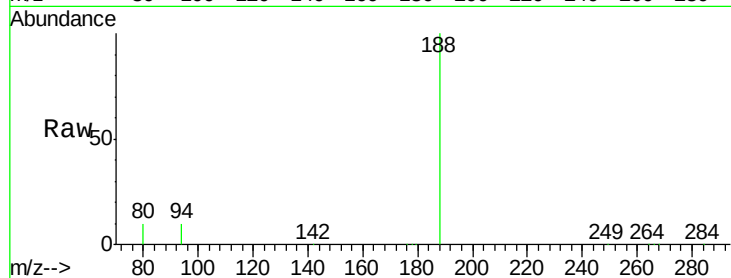




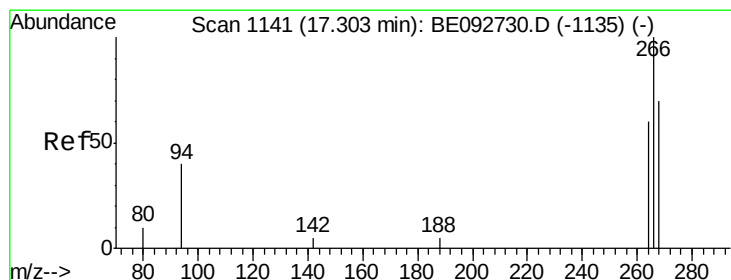
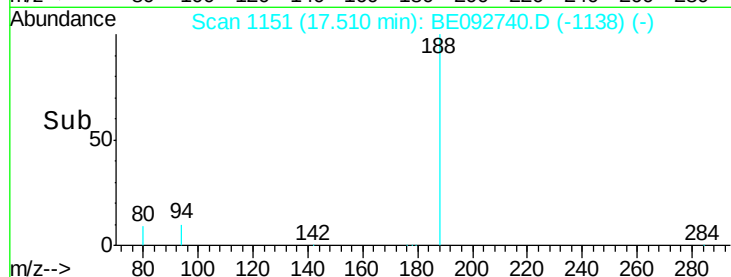
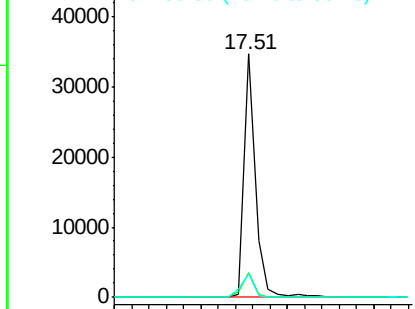
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 63168
Ion Ratio Lower Upper
188 100
94 10.0 3.2 4.8#
80 9.5 2.6 3.8#

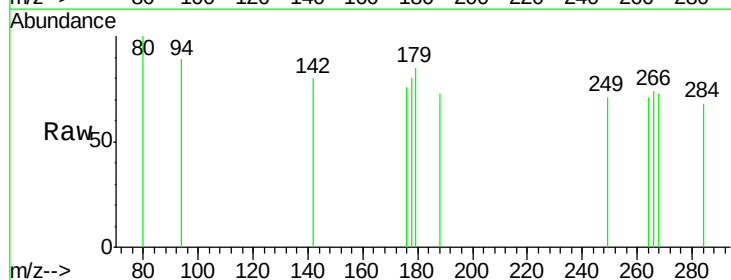


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

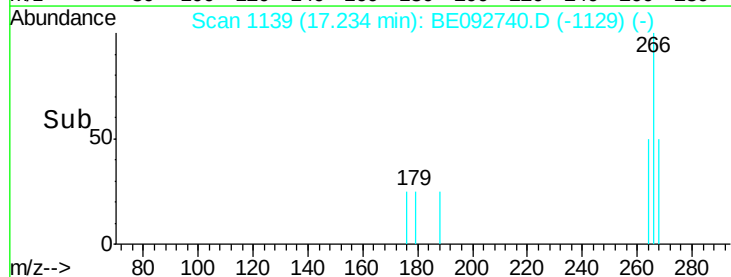
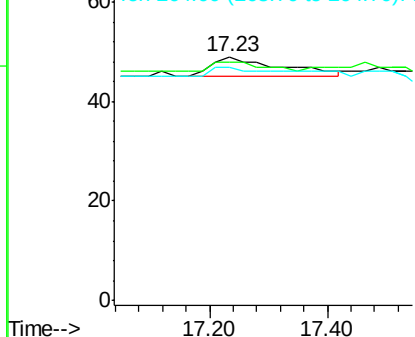


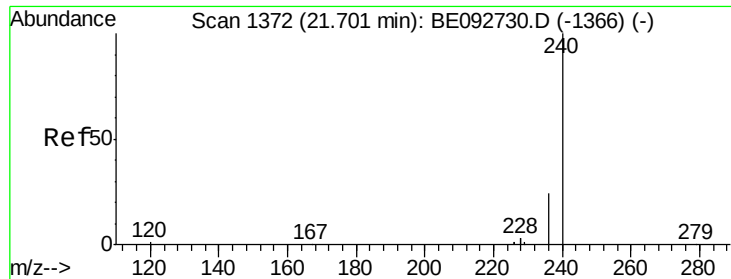
#20
Pentachlorophenol
Concen: 0.30 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

Tgt Ion:266 Resp: 33
Ion Ratio Lower Upper
266 100
268 98.0 62.5 93.7#
264 95.9 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





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :

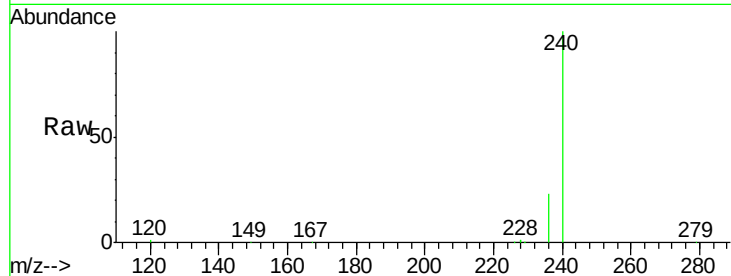
Tot Ion:240 Resp: 68563

Ion Ratio Lower Upper

240 100

120 1.2 2.6 4.0#

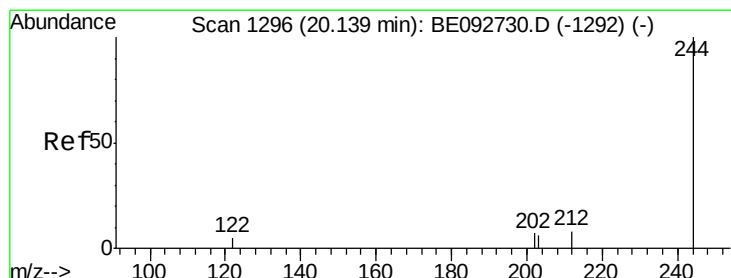
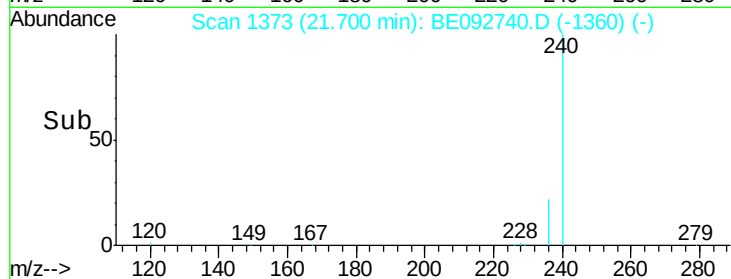
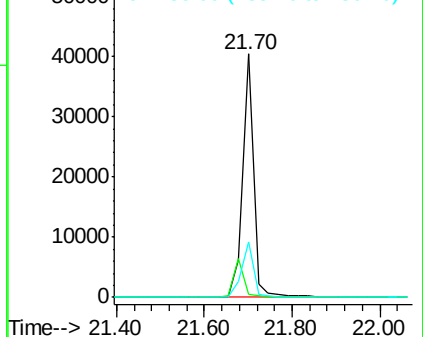
236 22.6 24.6 37.0#



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: 5.83 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

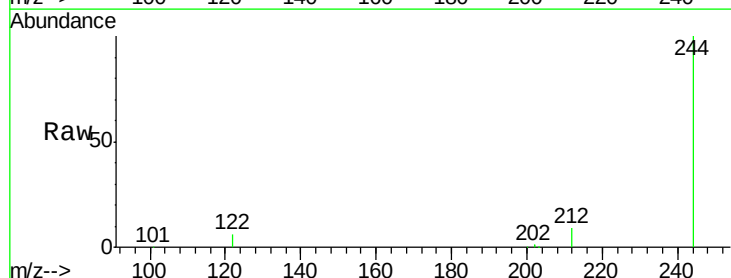
Tgt Ion:244 Resp: 51033

Ion Ratio Lower Upper

244 100

212 8.6 6.7 10.1

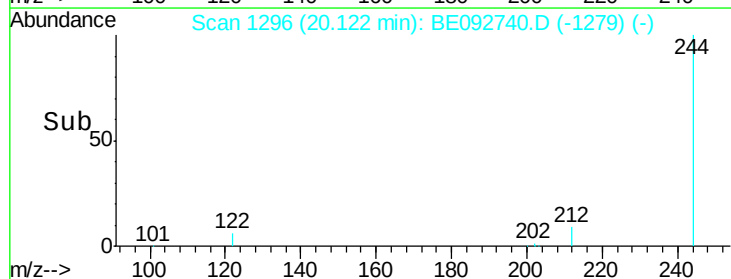
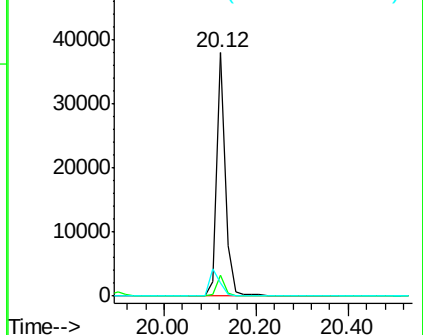
122 5.7 3.6 5.4#

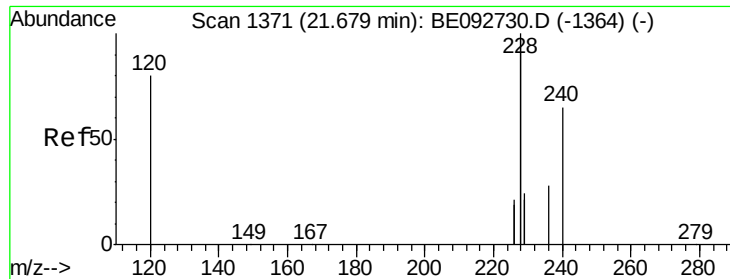


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

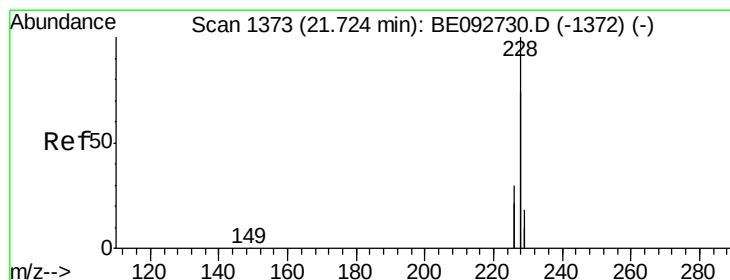
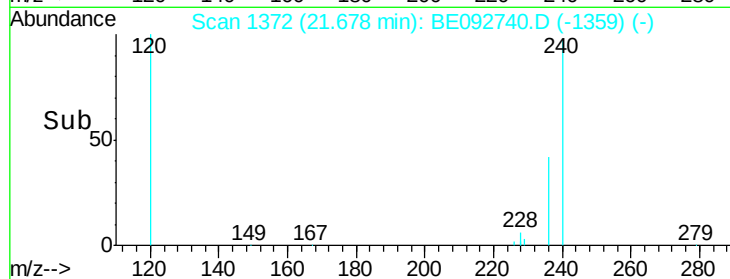
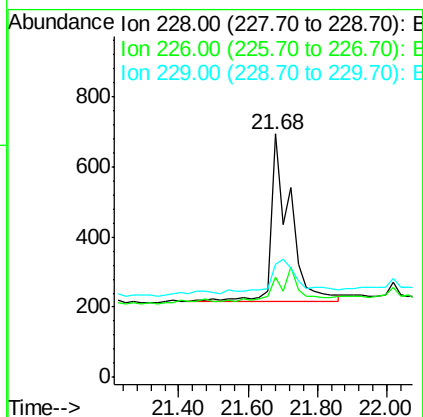
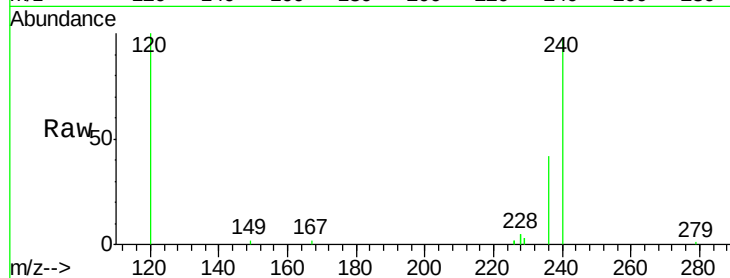




#27
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

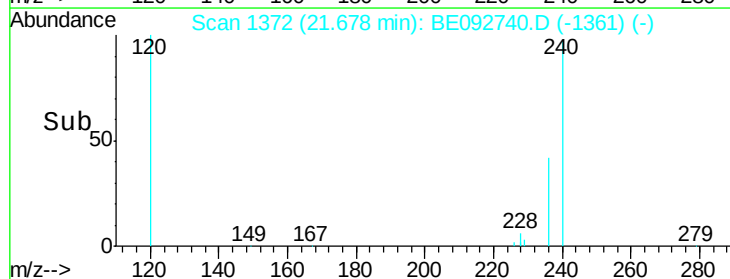
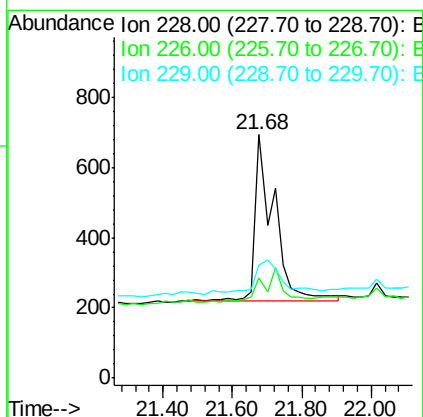
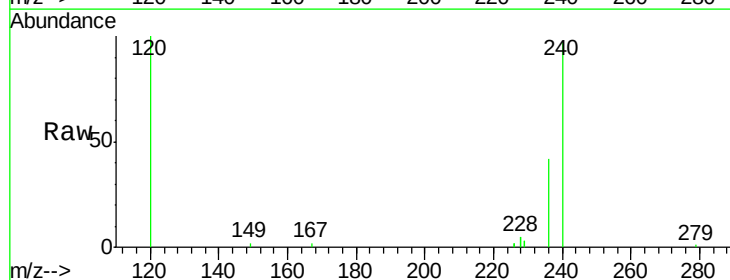
Instrument :
BNA_E
ClientSampleId :

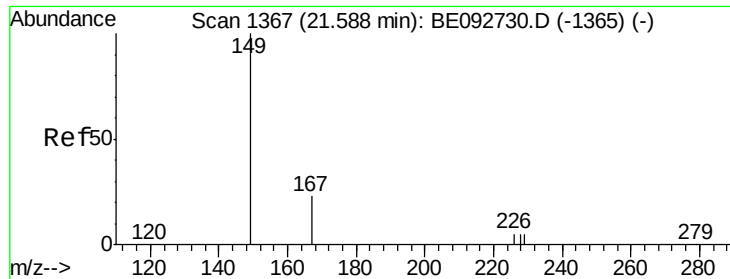
Tot Ion:228 Resp: 1777
Ion Ratio Lower Upper
228 100
226 41.2 23.6 35.4#
229 46.4 13.3 19.9#



#28
Chrysene
Concen: 0.02 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.05 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

Tgt Ion:228 Resp: 1766
Ion Ratio Lower Upper
228 100
226 41.2 36.3 54.5
229 46.4 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :

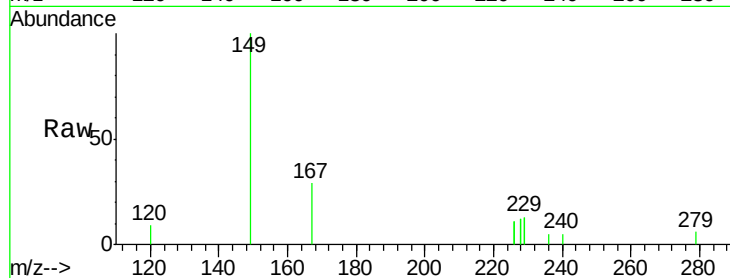
Tot Ion:149 Resp: 1217

Ion Ratio Lower Upper

149 100

167 24.8 16.0 24.0#

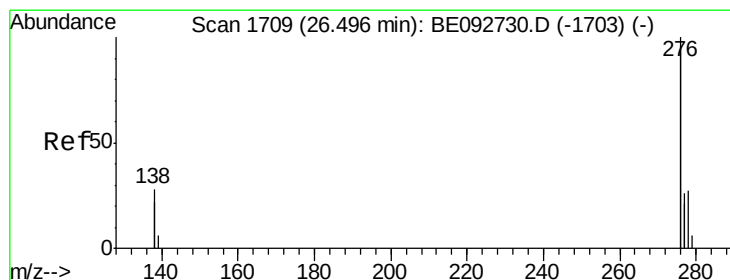
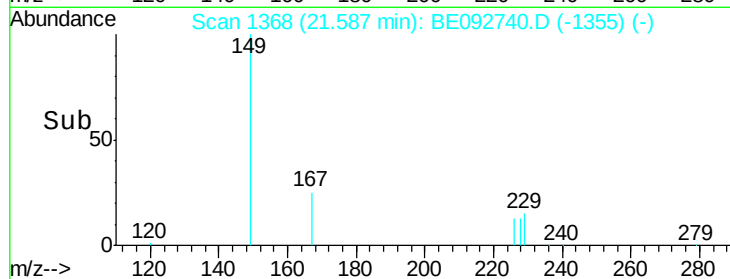
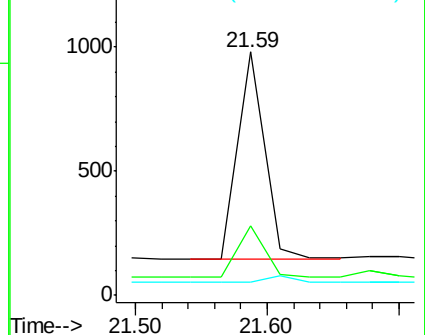
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.51 min Scan# 1711

Delta R.T. 0.02 min

Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

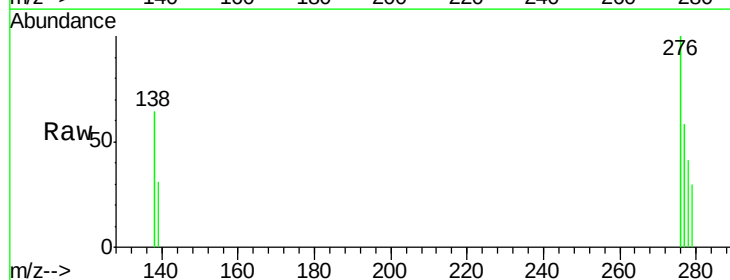
Tgt Ion:276 Resp: 1386

Ion Ratio Lower Upper

276 100

138 24.2 20.3 30.5

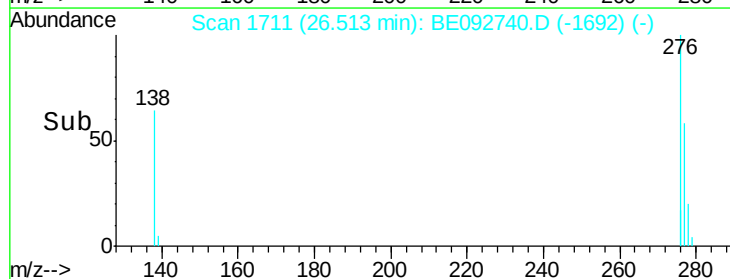
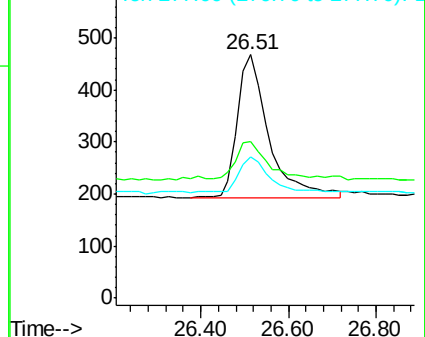
277 26.0 19.7 29.5

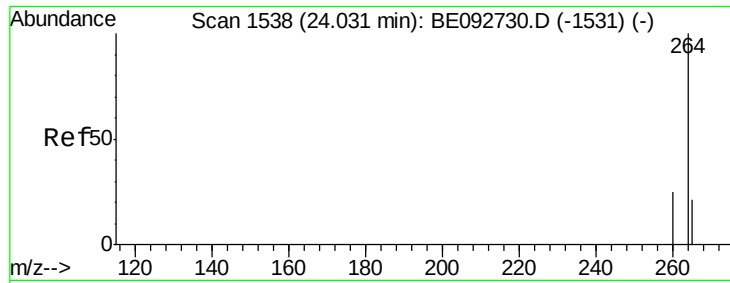


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

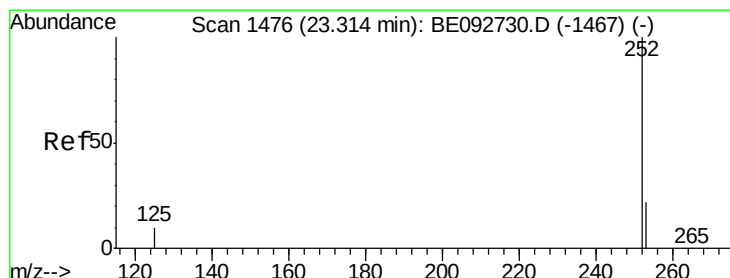
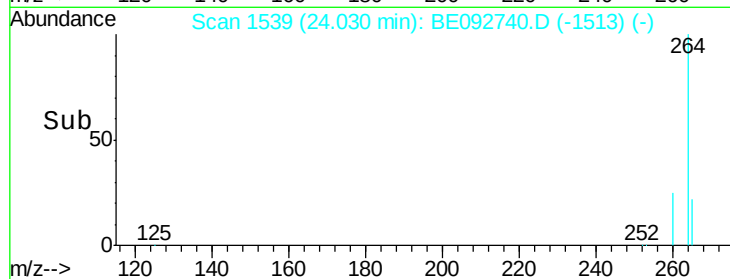
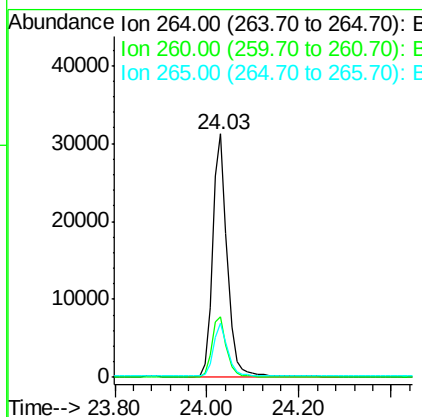
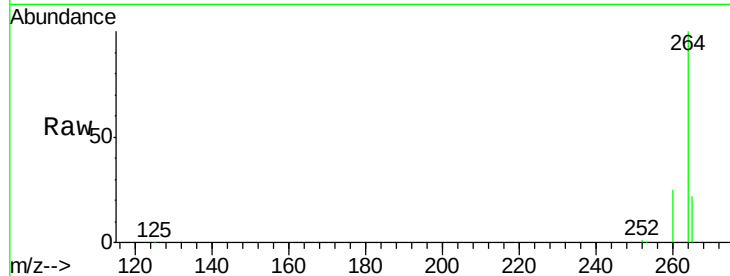




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

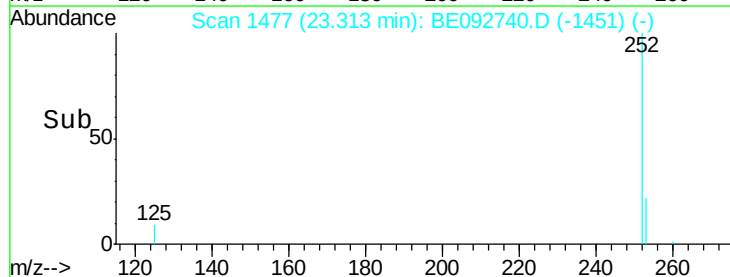
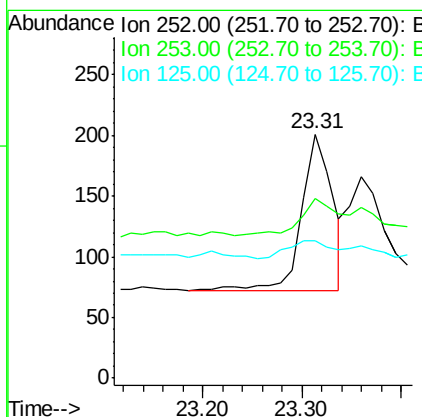
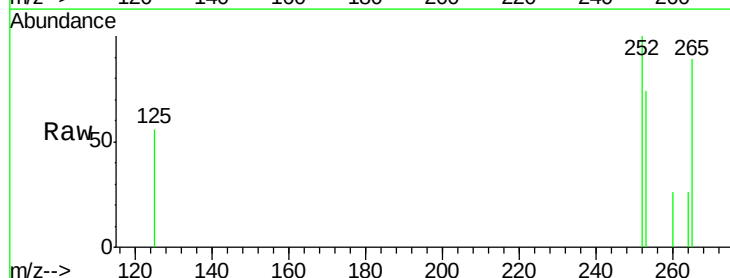
Instrument :
BNA_E
ClientSampleId :

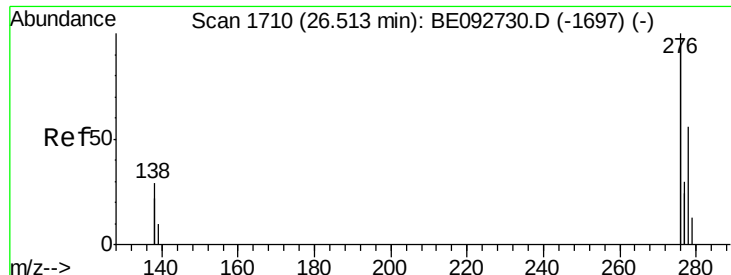
Tot Ion:264 Resp: 68242
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 22.2 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 23.31 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BE092740.D
Acq: 15 Feb 2017 19:21

Tgt Ion:252 Resp: 280
Ion Ratio Lower Upper
252 100
253 73.6 18.7 28.1#
125 56.2 10.5 15.7#





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.53 min Scan# 1712

Delta R.T. 0.02 min

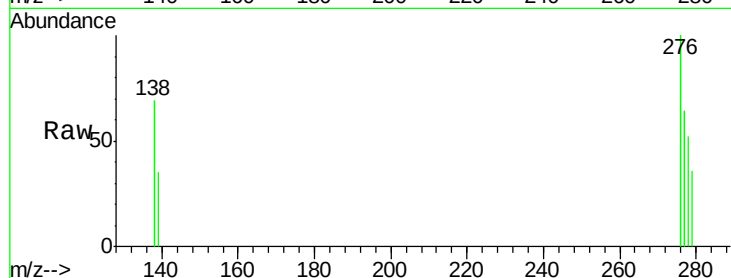
Lab File: BE092740.D

Acq: 15 Feb 2017 19:21

Instrument :

BNA_E

ClientSampleId :



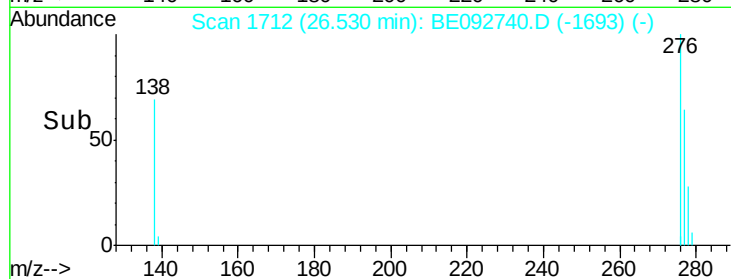
Tot Ion: 278 Resp: 289

Ion Ratio Lower Upper

278 100

139 66.4 13.8 20.8#

279 69.2 21.4 32.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

