

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022817\
 Data File : BE092774.D
 Acq On : 28 Feb 2017 22:03
 Operator : SJ/MA
 Sample : I1994-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 W-2

Quant Time: Mar 01 08:08:36 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

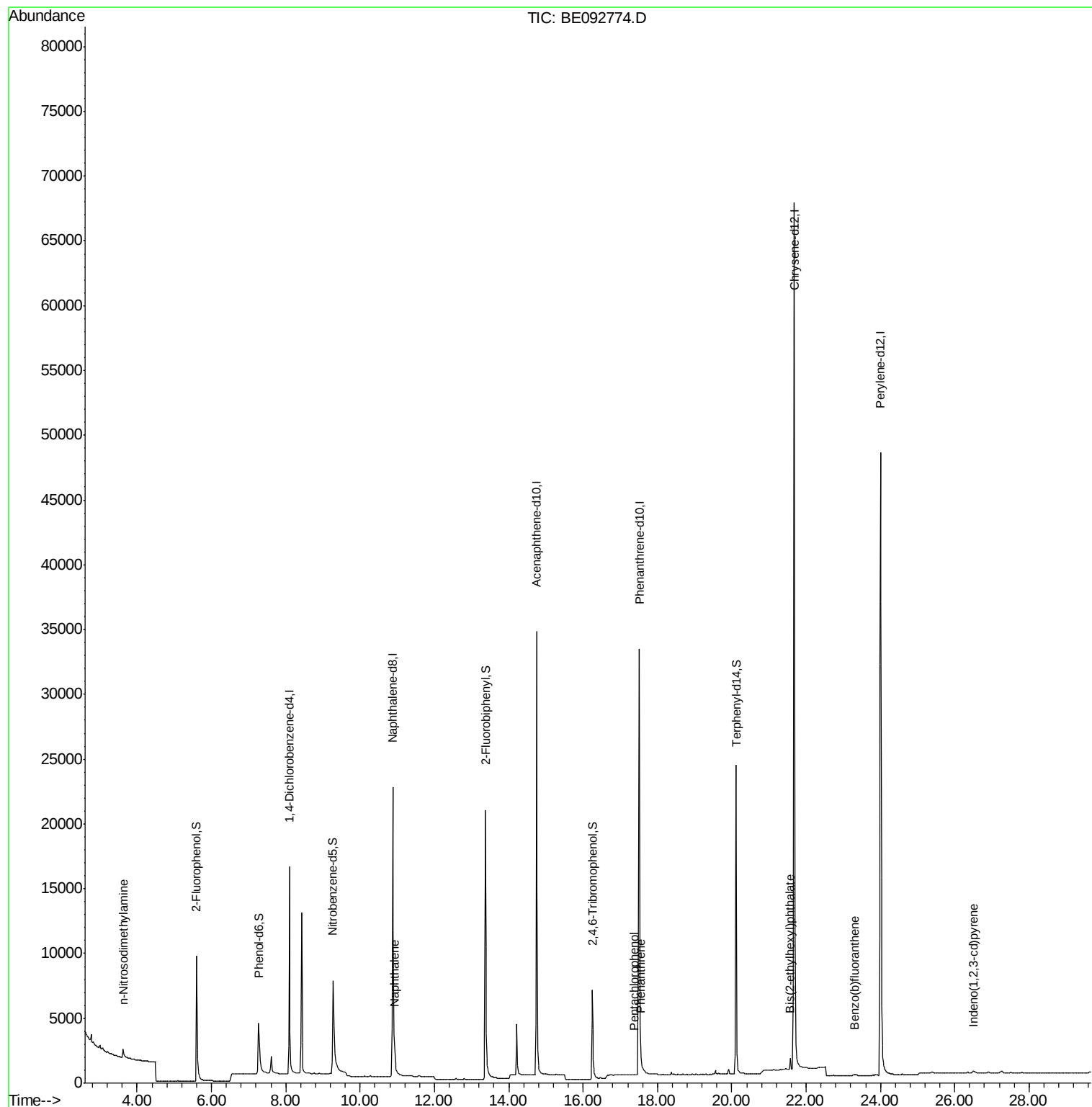
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	9552	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	39906	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	22801	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	56511	5.00	ng	0.00
24) Chrysene-d12	21.68	240	83513	5.00	ng	-0.02
31) Perylene-d12	24.01	264	74738	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.60	112	9493	5.11	ng	-0.03
5) Phenol-d6	7.27	99	7384	3.24	ng	-0.04
8) Nitrobenzene-d5	9.27	82	11341	4.22	ng	-0.04
13) 2,4,6-Tribromophenol	16.25	330	5757	11.90	ng	-0.03
14) 2-Fluorobiphenyl	13.38	172	27067	4.87	ng	-0.02
26) Terphenyl-d14	20.12	244	41438	3.89	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.62	42	307	0.38	ng	# 1
9) Naphthalene	10.93	128	1347	0.16	ng	# 85
20) Pentachlorophenol	17.37	266	6	0.26	ng	# 72
21) Phenanthrene	17.56	178	283	0.02	ng	# 77
29) Bis(2-ethylhexyl)phthalate	21.57	149	1833	0.22	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.50	276	370	0.03	ng	# 94
32) Benzo(b)fluoranthene	23.30	252	230	0.04	ng	# 1

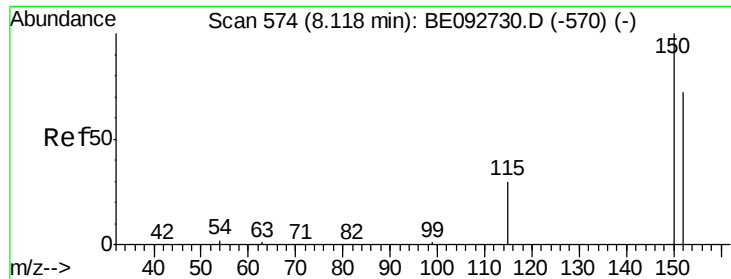
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampled :

W-2

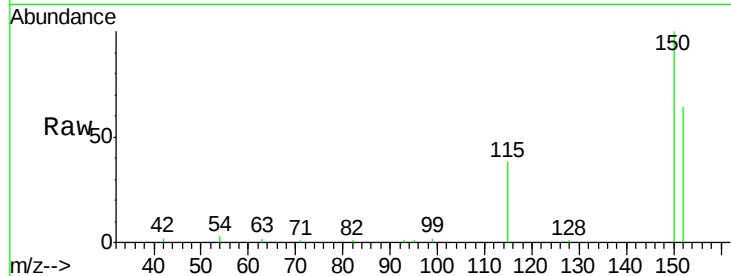
Tot Ion:152 Resp: 9552

Ion Ratio Lower Upper

152 100

150 156.1 106.0 159.0

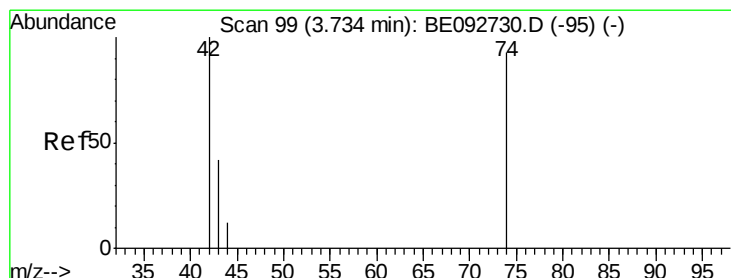
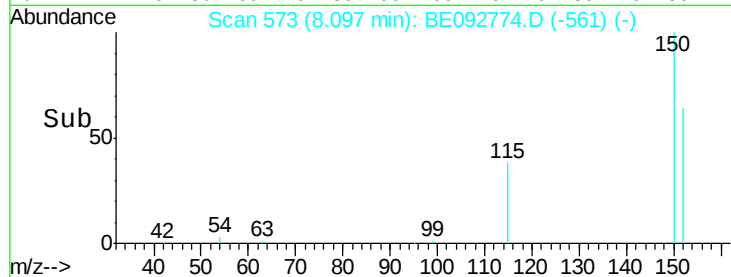
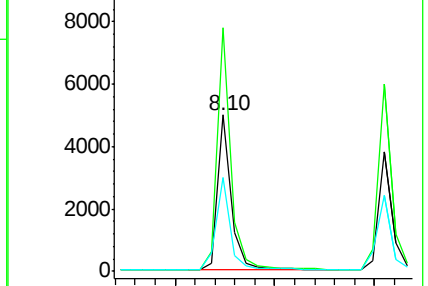
115 59.8 31.2 46.8#



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: 0.38 ng

RT: 3.62 min Scan# 89

Delta R.T. -0.12 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

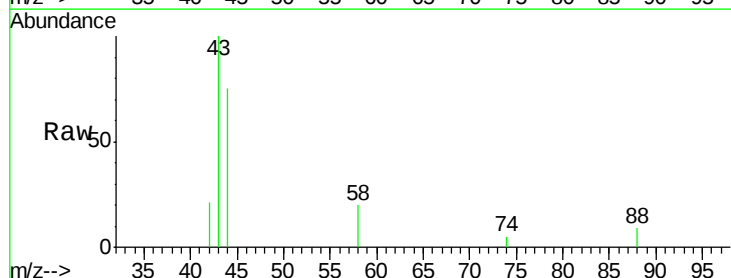
Tgt Ion: 42 Resp: 307

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

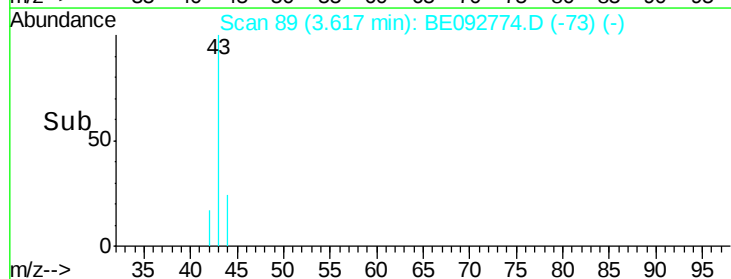
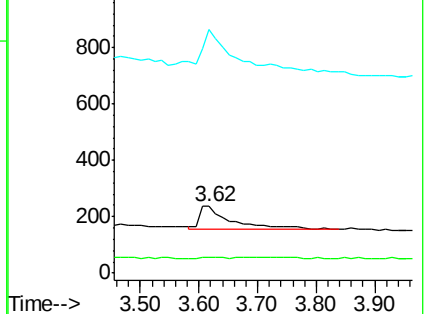
44 249.2 5.1 7.7#

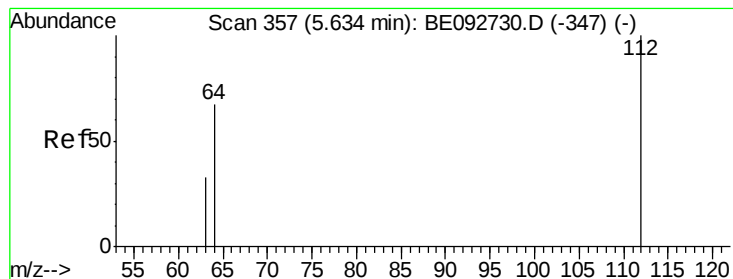


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.11 ng

RT: 5.60 min Scan# 351

Delta R.T. -0.03 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampleId :

W-2

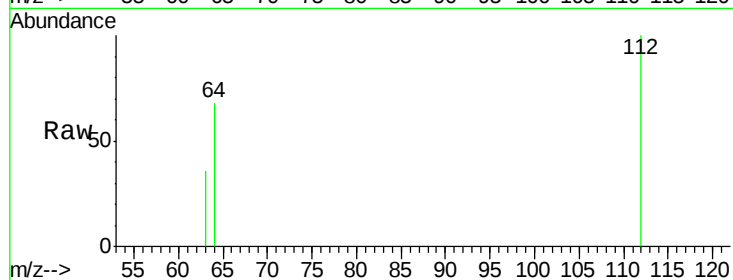
Tot Ion: 112 Resp: 9493

Ion Ratio Lower Upper

112 100

64 68.1 53.5 80.3

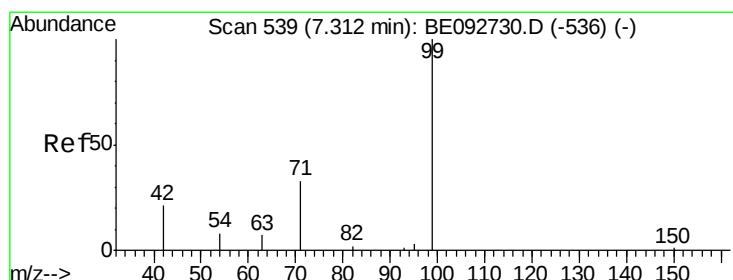
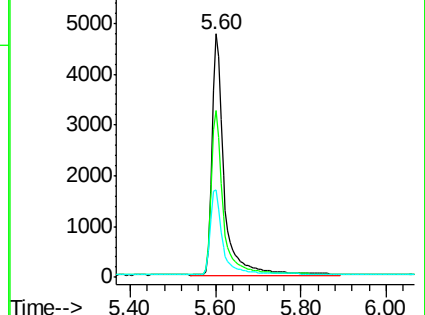
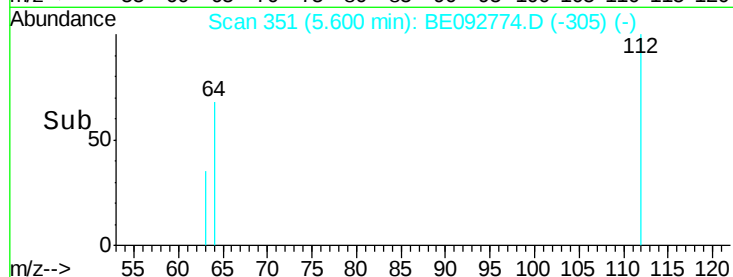
63 36.2 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.24 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.04 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

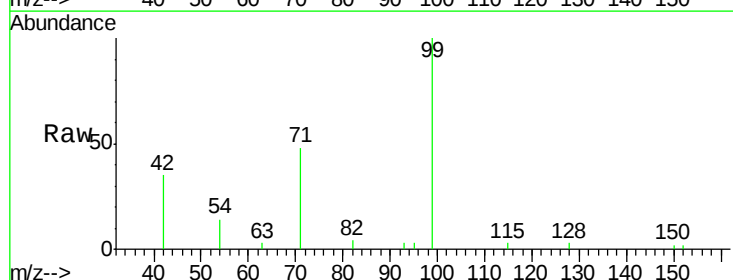
Tgt Ion: 99 Resp: 7384

Ion Ratio Lower Upper

99 100

42 25.6 16.0 24.0#

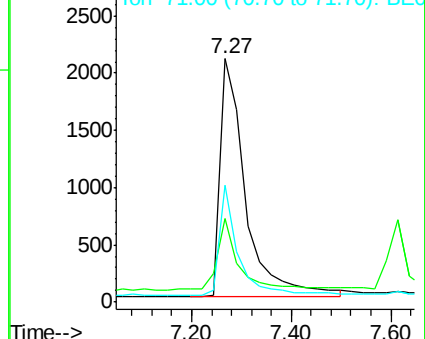
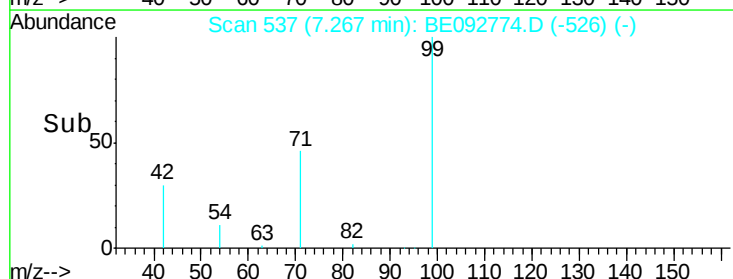
71 35.1 30.6 45.8

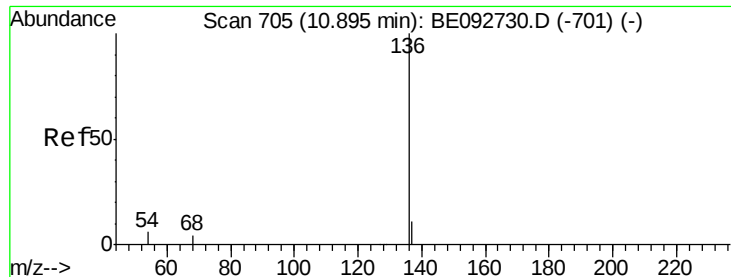


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.87 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampleId :

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Tot Ion:136 Resp: 39906

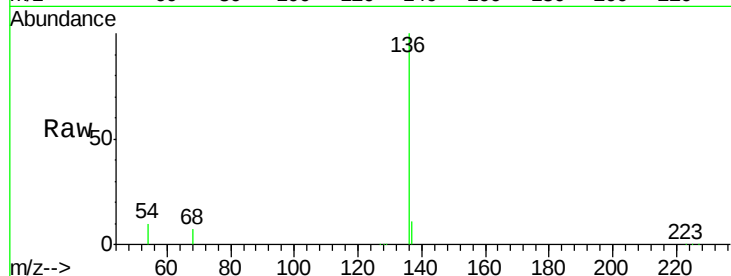
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

54 10.1 9.6 14.4

68 7.1 6.7 10.1

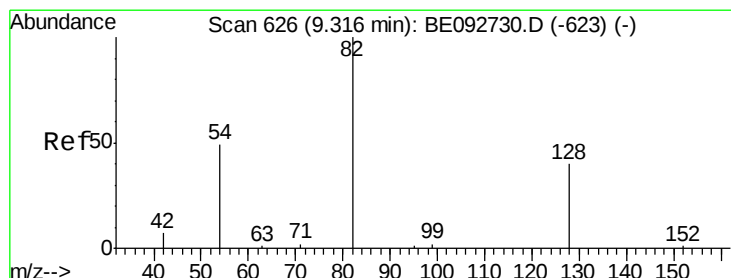
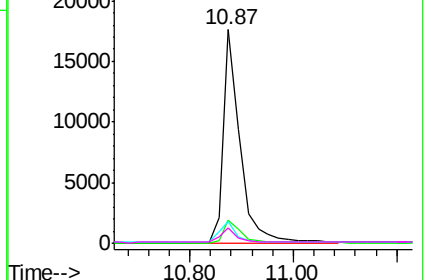
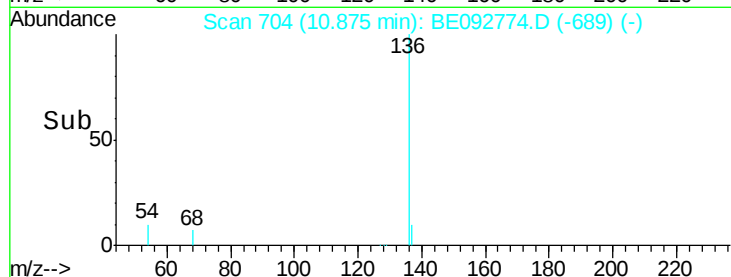


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.22 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.04 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

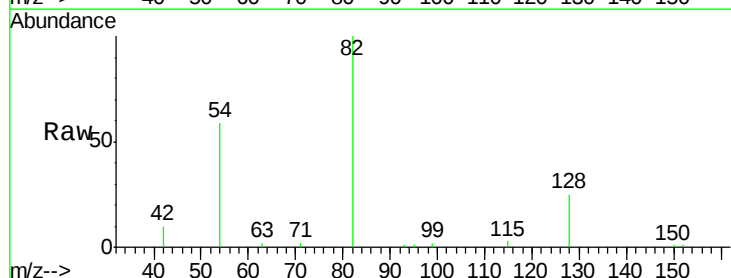
Tgt Ion: 82 Resp: 11341

Ion Ratio Lower Upper

82 100

128 24.7 39.0 58.4#

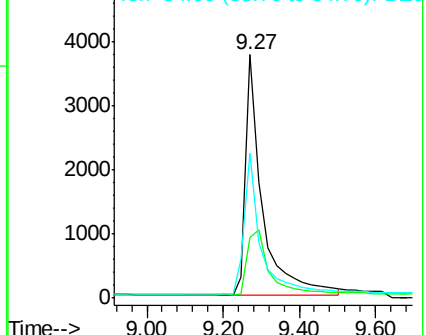
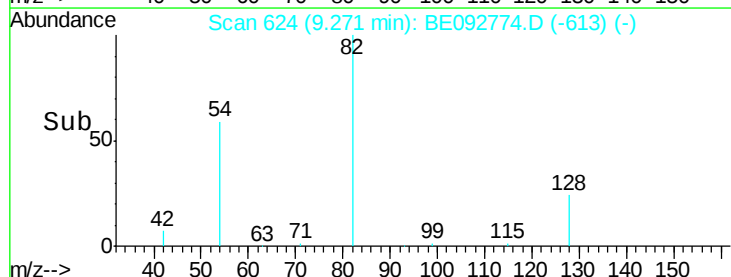
54 59.5 44.8 67.2

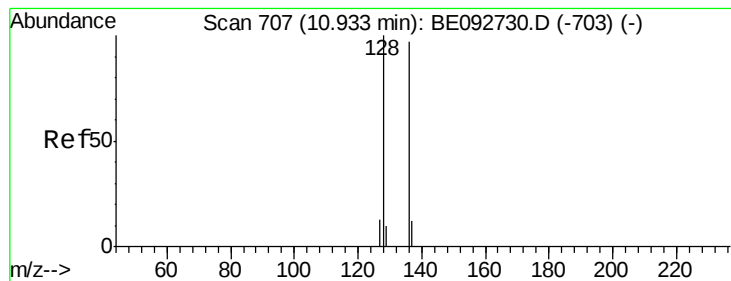


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.16 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampleId :

W-2

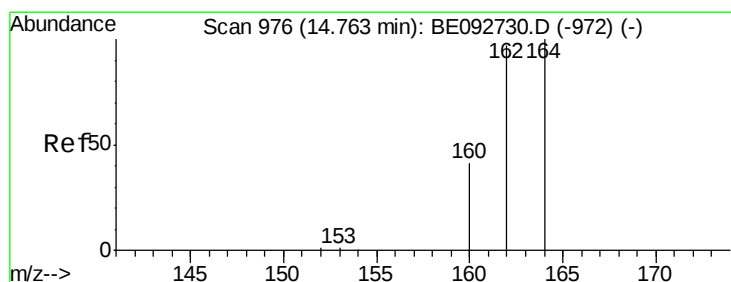
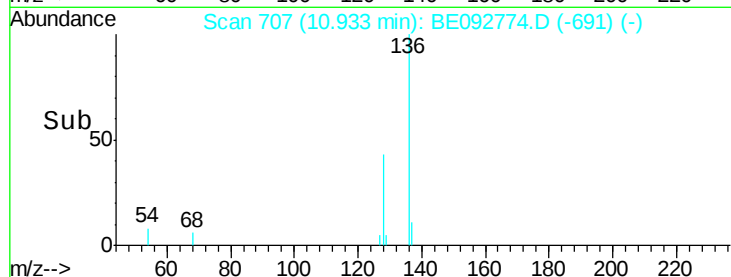
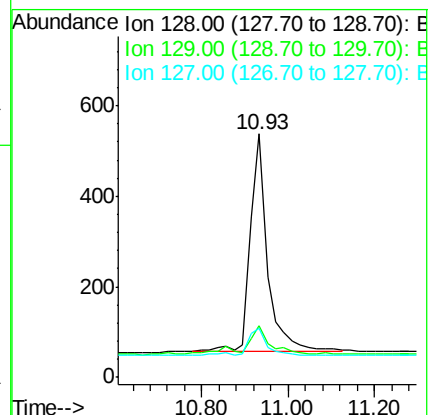
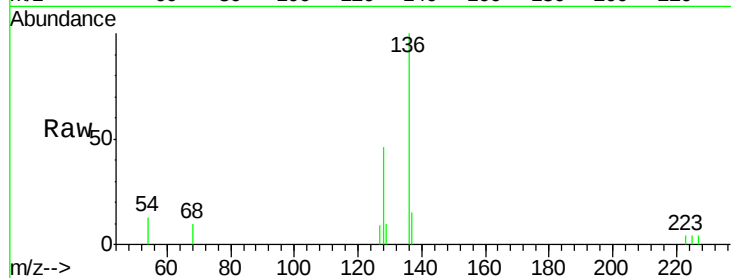
Tot Ion:128 Resp: 1347

Ion Ratio Lower Upper

128 100

129 21.0 11.2 16.8#

127 20.1 11.6 17.4#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.75 min Scan# 976

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

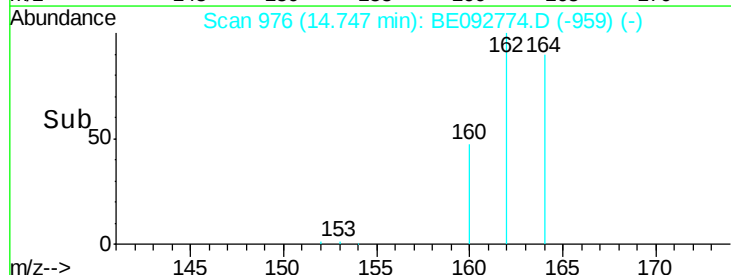
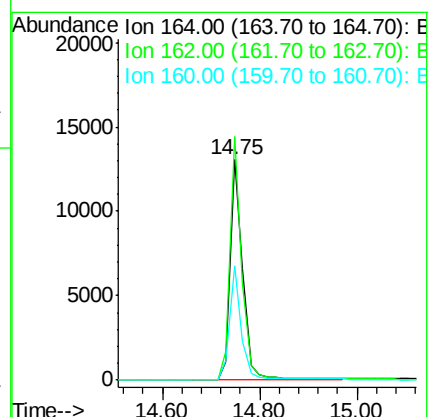
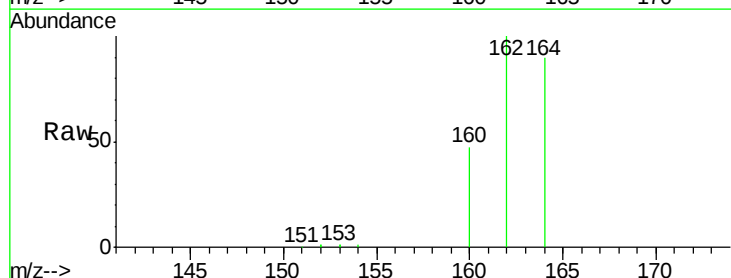
Tgt Ion:164 Resp: 22801

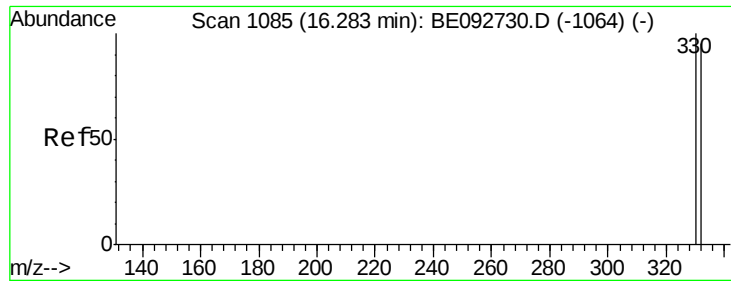
Ion Ratio Lower Upper

164 100

162 110.6 71.4 107.0#

160 52.2 27.4 41.2#

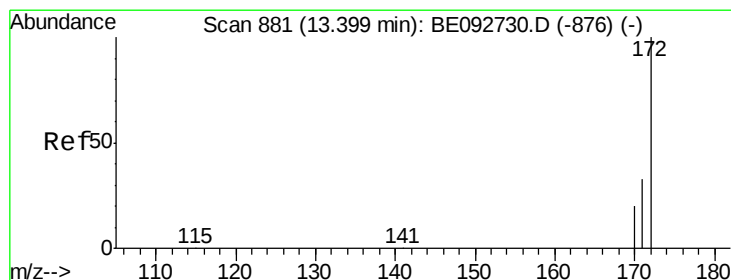
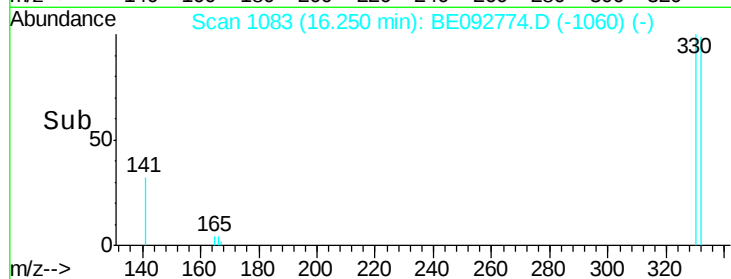
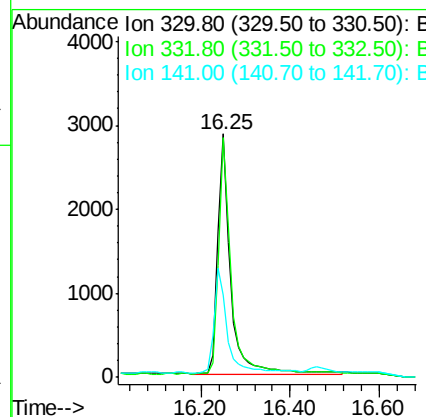
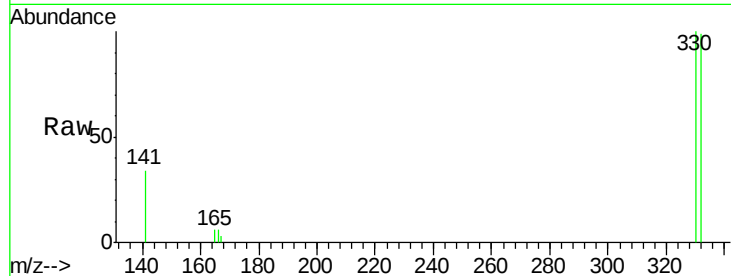




#13
 2,4,6-Tribromophenol
 Concen: 11.90 ng
 RT: 16.25 min Scan# 1083
 Delta R.T. -0.03 min
 Lab File: BE092774.D
 Acq: 28 Feb 2017 22:03

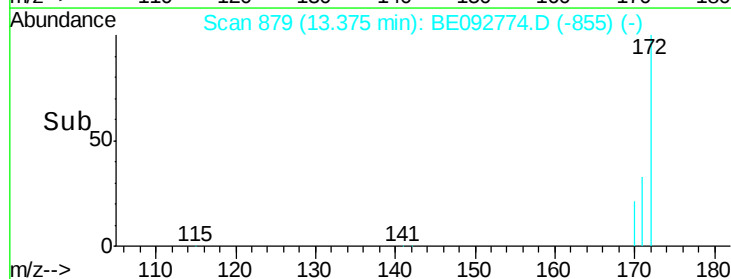
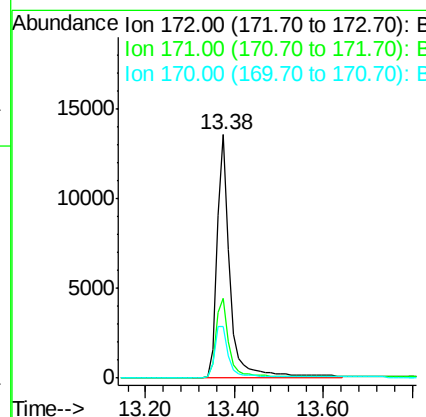
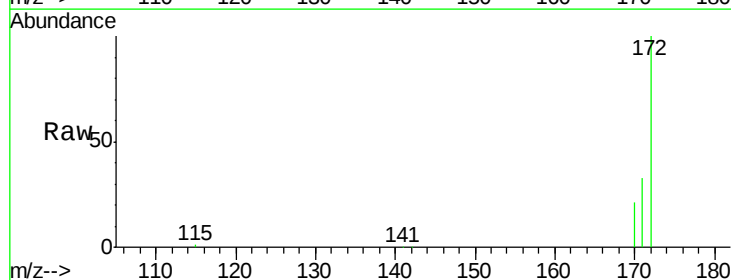
Instrument :
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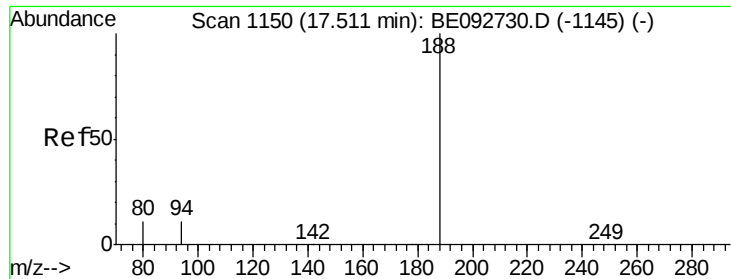
Tot Ion:330 Resp: 5757
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.4 113.0
 141 43.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.87 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092774.D
 Acq: 28 Feb 2017 22:03

Tgt Ion:172 Resp: 27067
 Ion Ratio Lower Upper
 172 100
 171 33.0 30.1 45.1
 170 21.0 21.8 32.6#

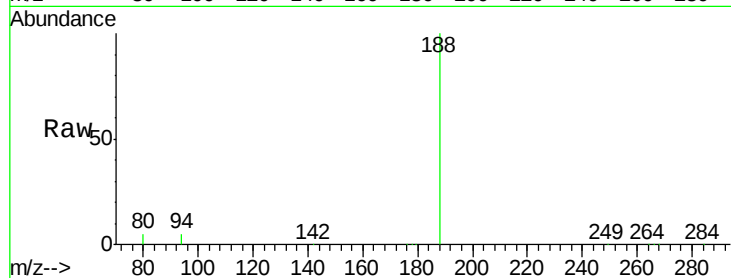




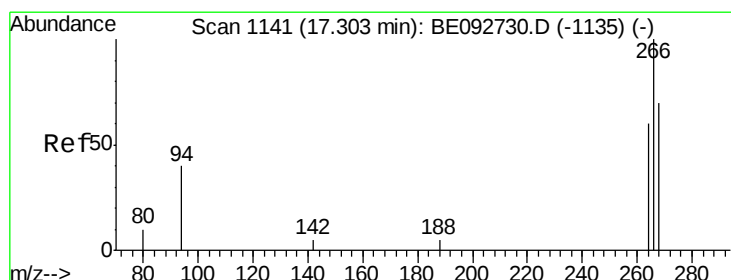
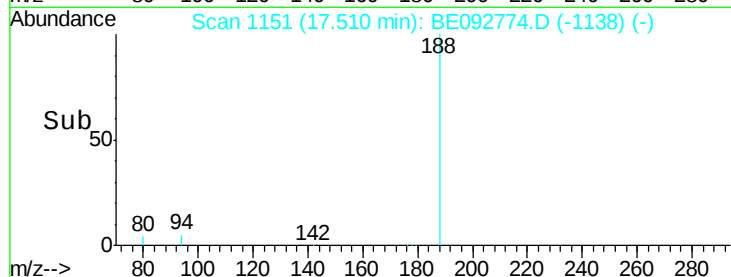
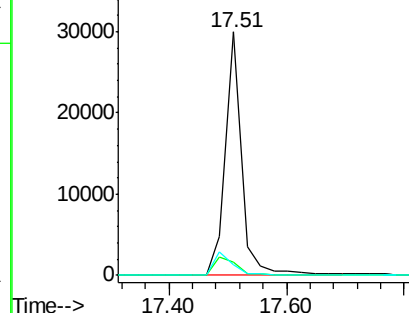
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092774.D
Acq: 28 Feb 2017 22:03

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion:188 Resp: 56511
Ion Ratio Lower Upper
188 100
94 5.2 3.2 4.8#
80 4.6 2.6 3.8#

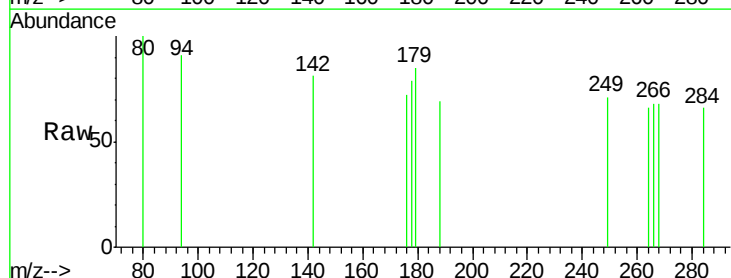


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

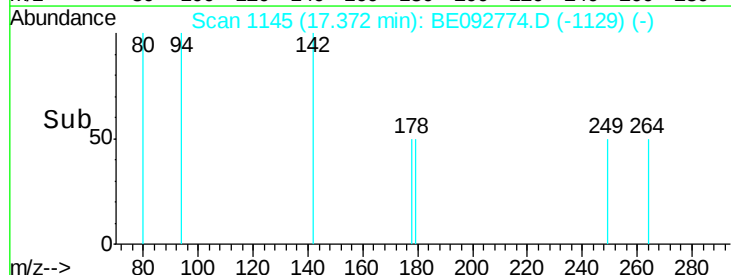
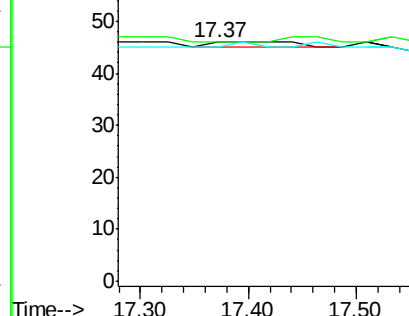


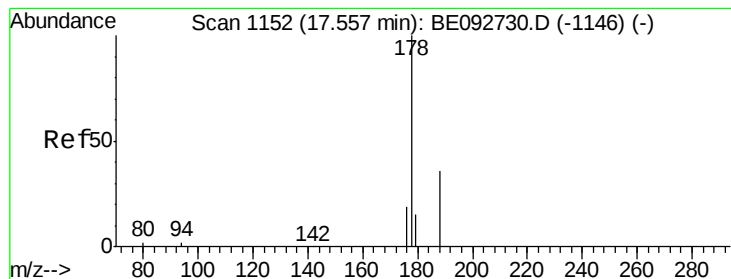
#20
Pentachlorophenol
Concen: 0.26 ng
RT: 17.37 min Scan# 1145
Delta R.T. 0.07 min
Lab File: BE092774.D
Acq: 28 Feb 2017 22:03

Tgt Ion:266 Resp: 6
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: 0.02 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampled :

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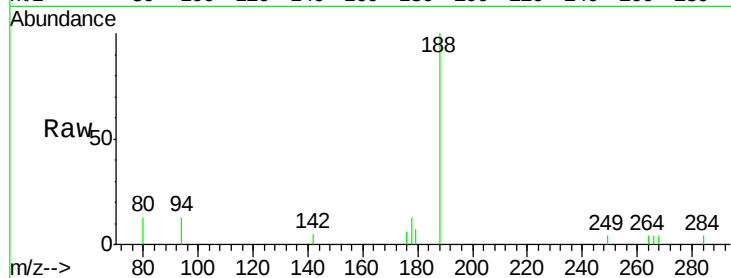
Tot Ion:178 Resp: 283

Ion Ratio Lower Upper

178 100

176 20.5 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

17.56

150

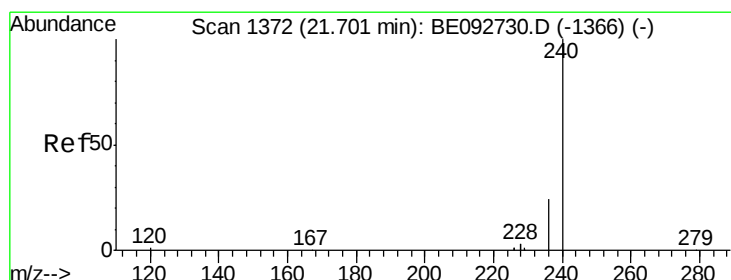
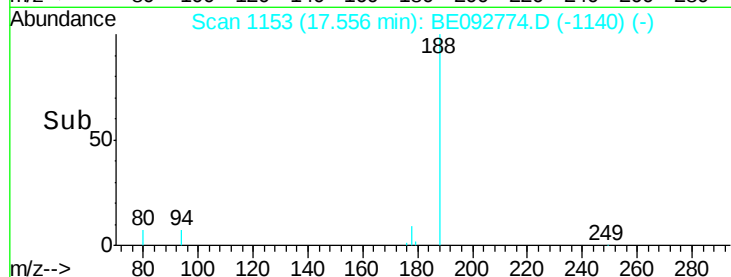
100

50

0

17.40 17.50 17.60

Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

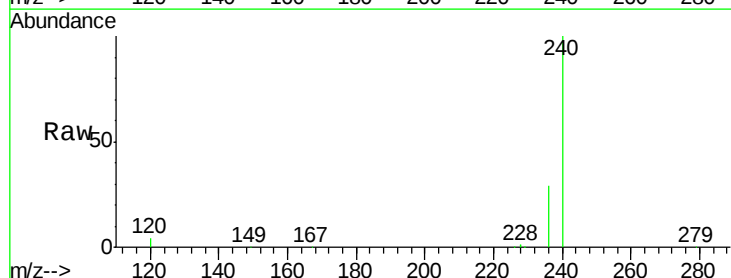
Tgt Ion:240 Resp: 83513

Ion Ratio Lower Upper

240 100

120 3.9 2.6 4.0

236 29.1 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

21.68

60000

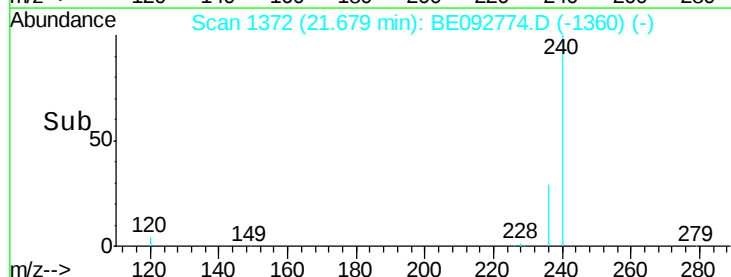
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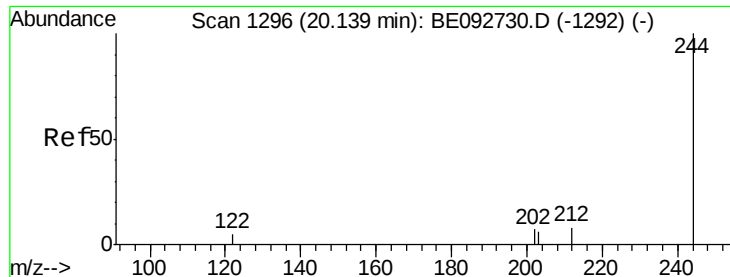
20000

0

21.40 21.60 21.80 22.00

Time-->





#26

Terphenyl-d14

Concen: 3.89 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampled :

W-2

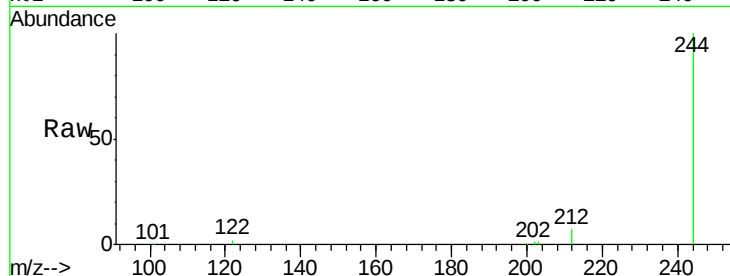
Tot Ion:244 Resp: 41438

Ion Ratio Lower Upper

244 100

212 6.8 6.7 10.1

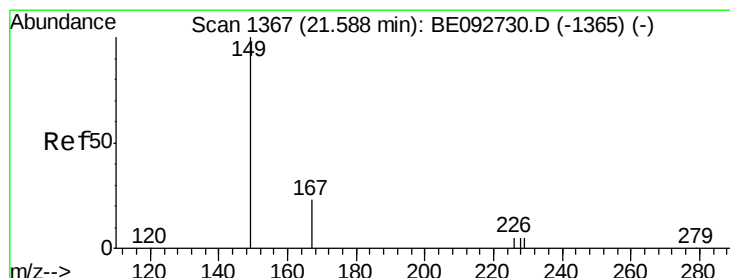
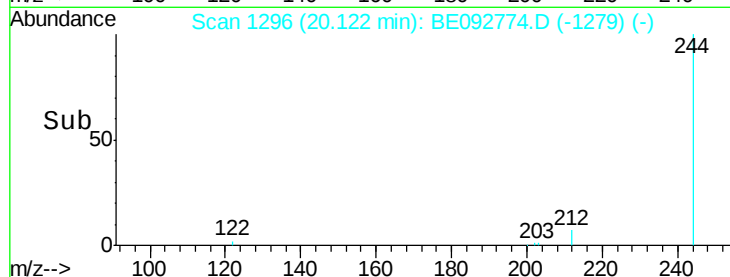
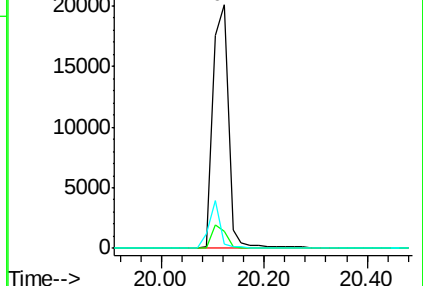
122 2.0 3.6 5.4#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.57 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

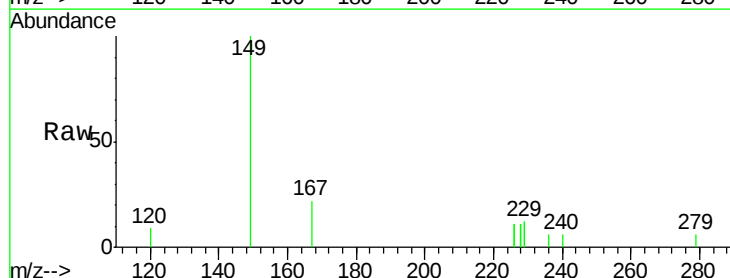
Tgt Ion:149 Resp: 1833

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

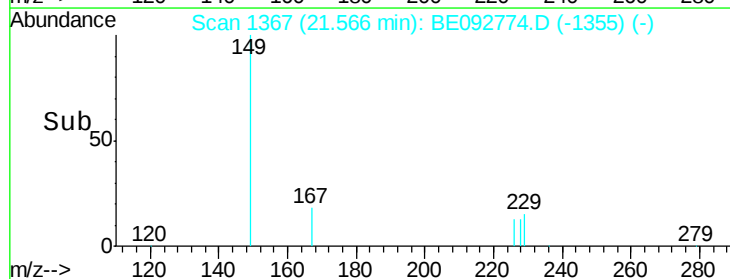
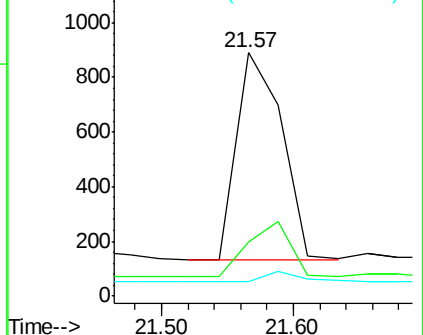
279 0.0 16.0 24.0#

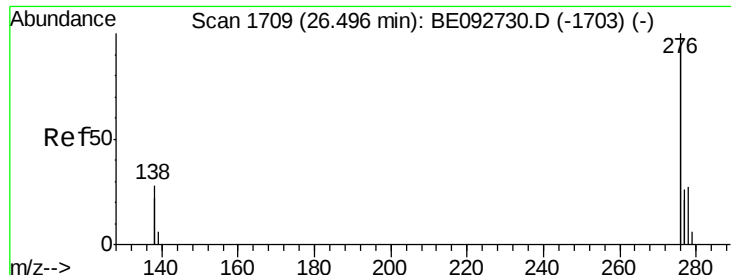


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

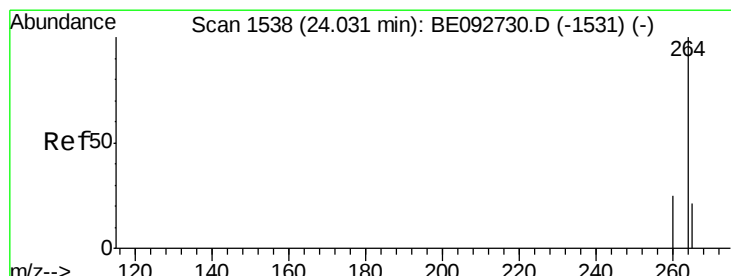
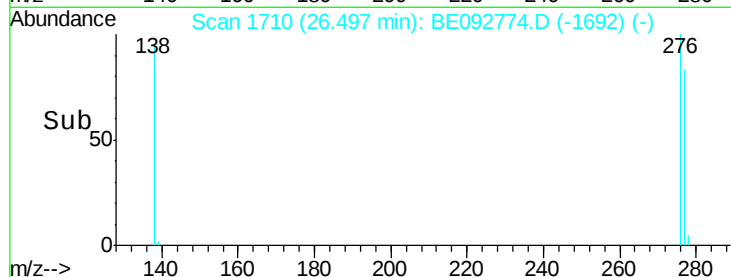
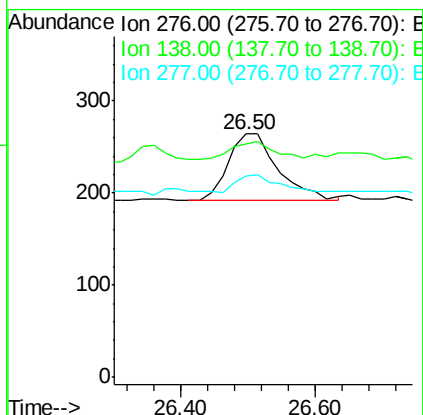
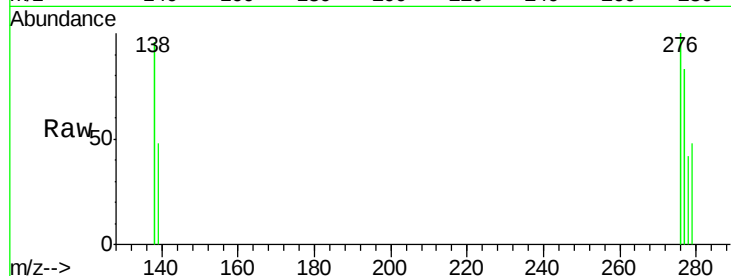




#30
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 26.50 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE092774.D
Acq: 28 Feb 2017 22:03

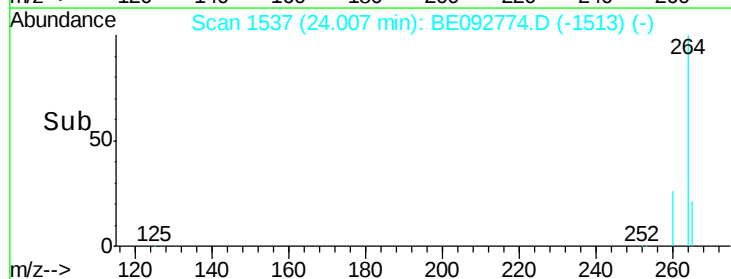
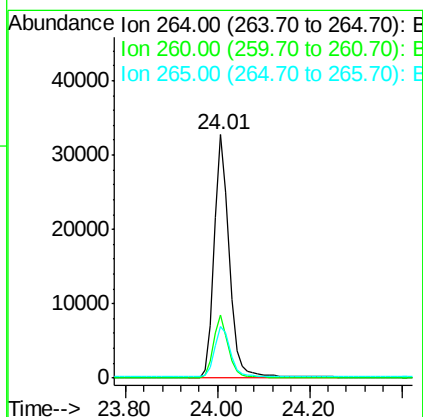
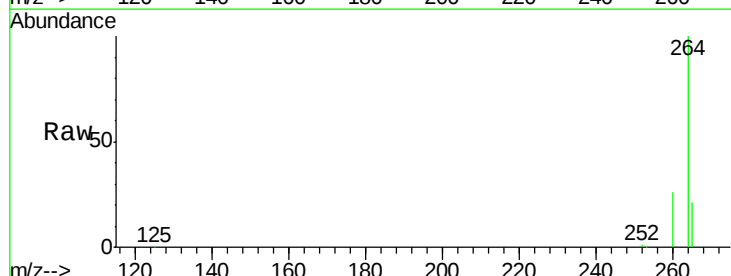
Instrument :
BNA_E
ClientSampleId :
W-2

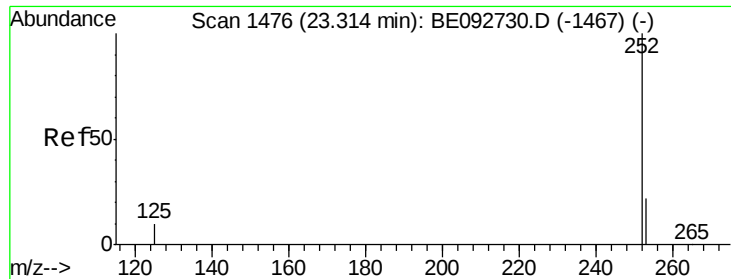
Tot Ion:276 Resp: 370
Ion Ratio Lower Upper
276 100
138 27.6 20.3 30.5
277 20.3 19.7 29.5



#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.02 min
Lab File: BE092774.D
Acq: 28 Feb 2017 22:03

Tgt Ion:264 Resp: 74738
Ion Ratio Lower Upper
264 100
260 25.9 20.1 30.1
265 21.2 17.9 26.9





#32

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092774.D

Acq: 28 Feb 2017 22:03

Instrument :

BNA_E

ClientSampleId :

W-2

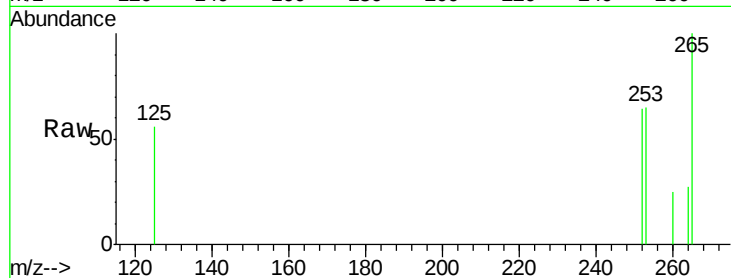
Tot Ion: 252 Resp: 230

Ion Ratio Lower Upper

252 100

253 100.8 18.7 28.1#

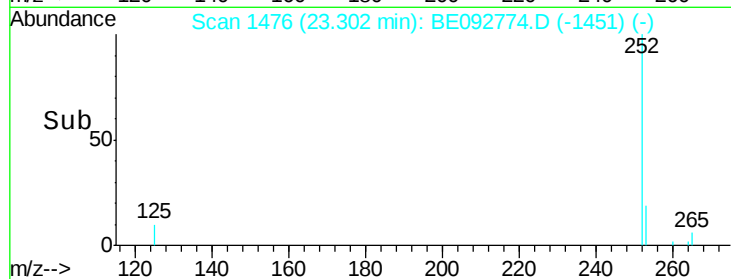
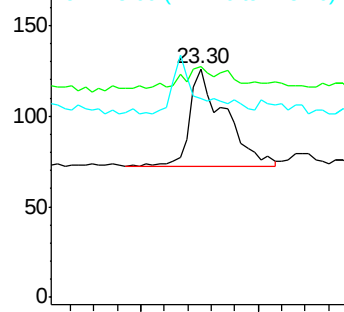
125 87.3 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->