

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021517\
 Data File : BE092743.D
 Acq On : 15 Feb 2017 21:15
 Operator : SJ/MA
 Sample : I1788-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 16 03:26:33 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	9955	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	43866	5.00	ng	0.00
12) Acenaphthene-d10	14.77	164	26196	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	51979	5.00	ng	0.00
24) Chrysene-d12	21.70	240	65167	5.00	ng	0.00
31) Perylene-d12	24.03	264	62062	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.61	112	15557	8.03	ng	-0.03
5) Phenol-d6	7.29	99	12160	5.12	ng	-0.02
8) Nitrobenzene-d5	9.29	82	14881	5.02	ng	-0.02
13) 2,4,6-Tribromophenol	16.26	330	7164	12.89	ng	-0.02
14) 2-Fluorobiphenyl	13.38	172	34004	5.32	ng	-0.02
26) Terphenyl-d14	20.12	244	45844	5.51	ng	-0.02

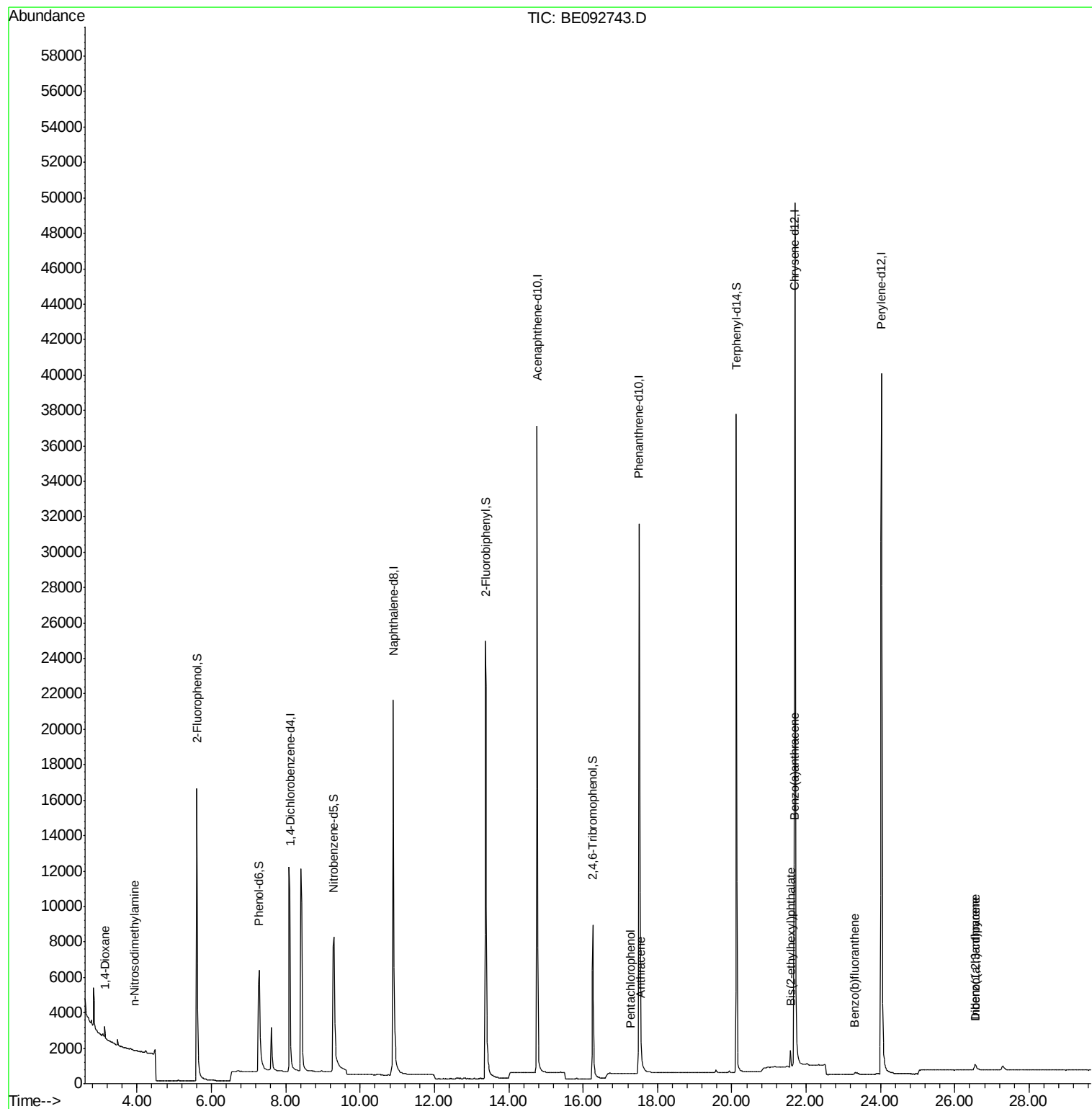
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	88	0.02	ng	# 1
3) n-Nitrosodimethylamine	3.93	42	3	0.21	ng	# 62
20) Pentachlorophenol	17.28	266	4	0.26	ng	# 72
22) Anthracene	17.56	178	234	0.02	ng	# 78
27) Benzo(a)anthracene	21.68	228	1483	0.02	ng	# 52
29) Bis(2-ethylhexyl)phthalate	21.59	149	1136	0.19	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.55	276	1020	0.04	ng	# 97
32) Benzo(b)fluoranthene	23.31	252	253	0.05	ng	# 1
35) Dibenzo(a,h)anthracene	26.56	278	204	0.02	ng	# 1

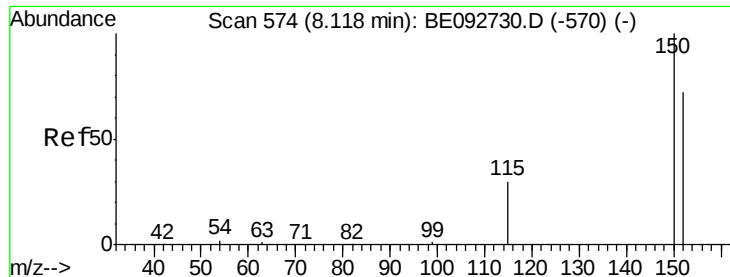
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.00 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

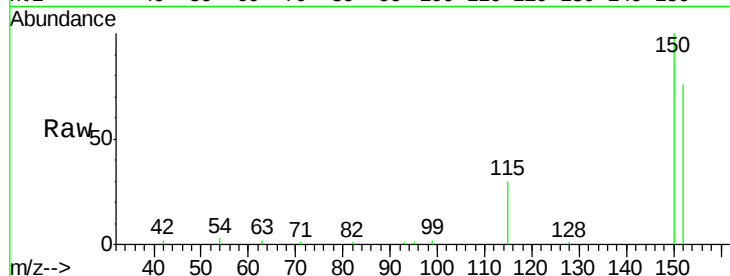
Tot Ion:152 Resp: 9955

Ion Ratio Lower Upper

152 100

150 131.3 106.0 159.0

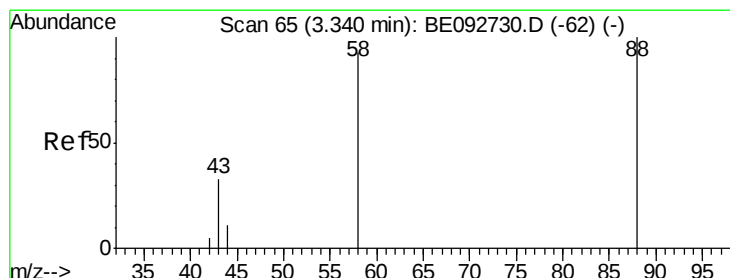
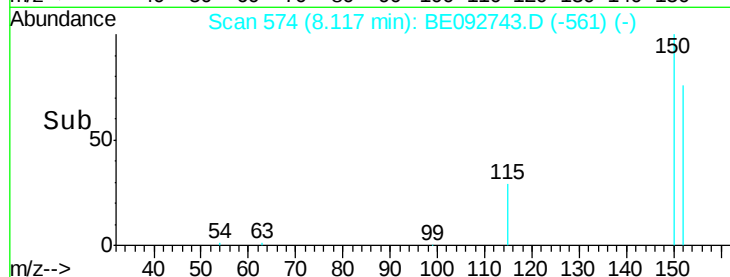
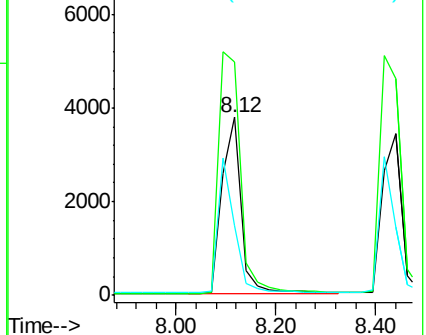
115 38.8 31.2 46.8



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



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 3.15 min Scan# 48

Delta R.T. -0.19 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

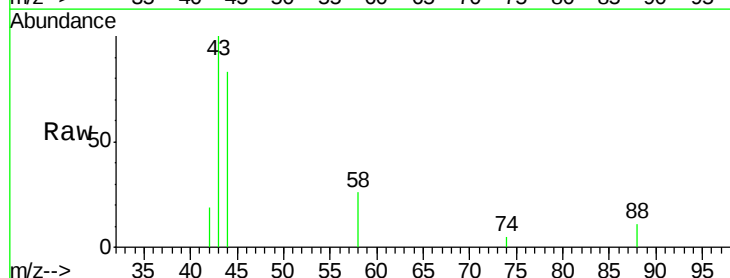
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

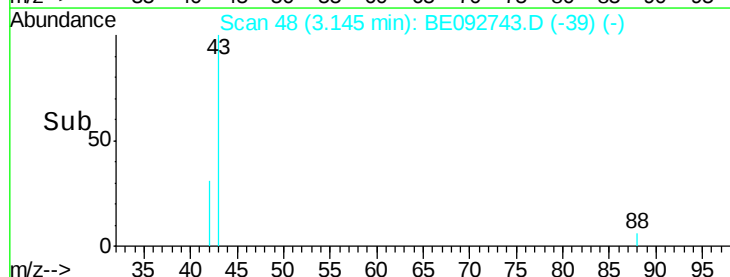
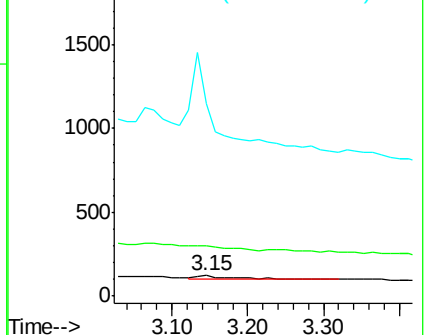
43 1564.8 28.0 42.0#

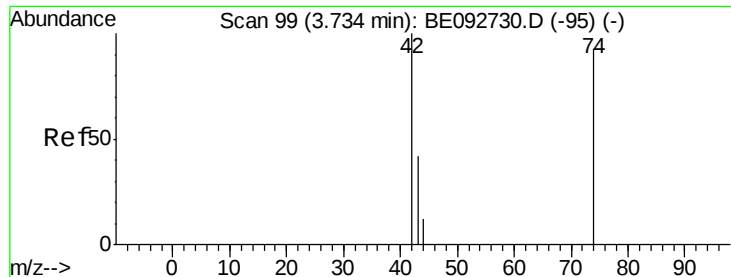


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



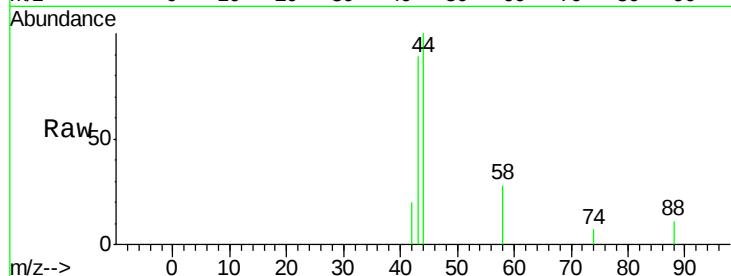


#3

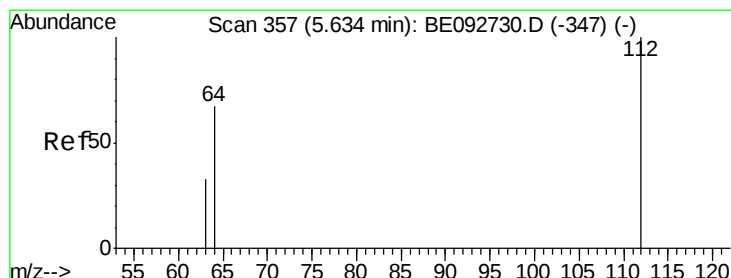
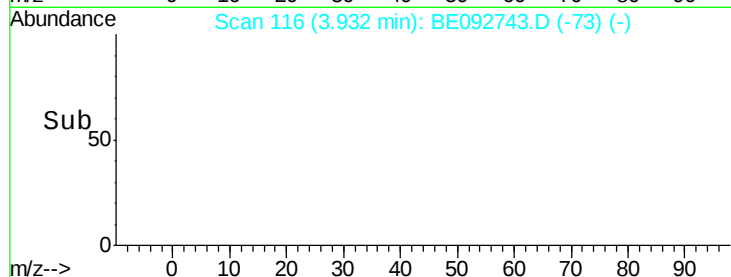
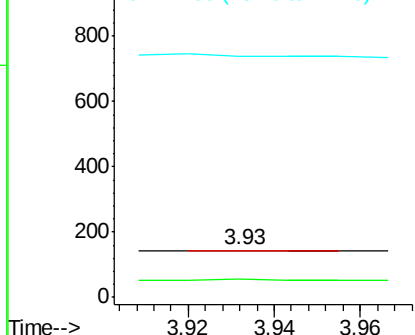
n-Nitrosodimethylamine
Concen: 0.21 ng
RT: 3.93 min Scan# 116
Delta R.T. 0.20 min
Lab File: BE092743.D
Acq: 15 Feb 2017 21:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 3
Ion Ratio Lower Upper
42 100
74 66.7 86.0 129.0#
44 0.0 5.1 7.7#



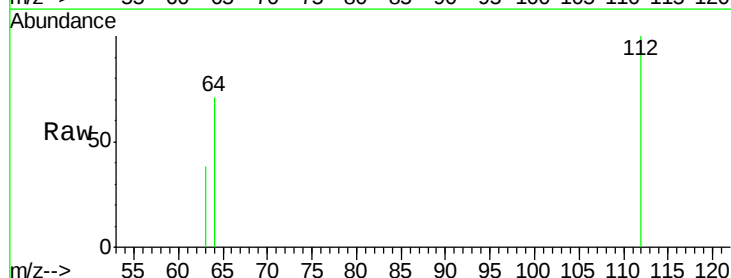
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



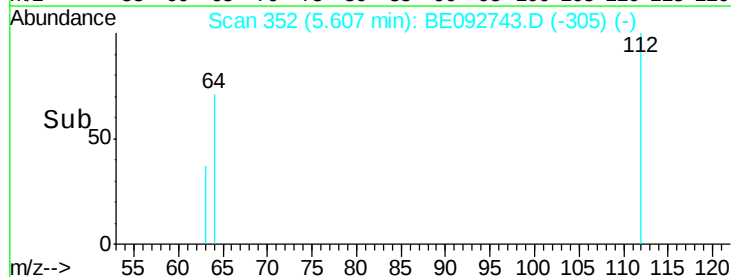
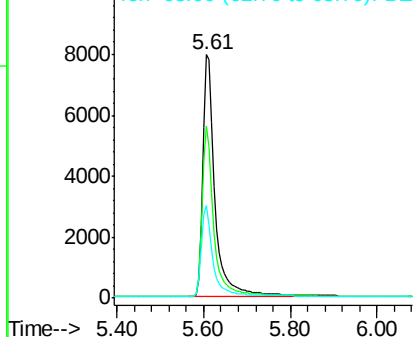
#4

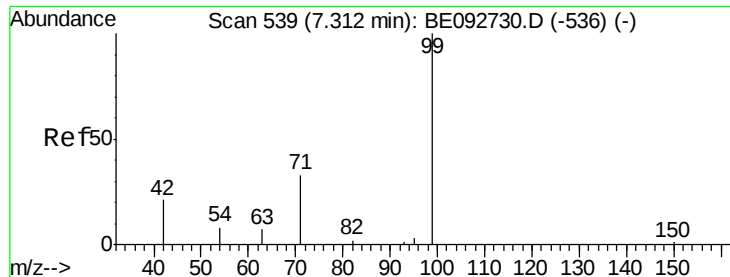
2-Fluorophenol
Concen: 8.03 ng
RT: 5.61 min Scan# 352
Delta R.T. -0.03 min
Lab File: BE092743.D
Acq: 15 Feb 2017 21:15

Tgt Ion: 112 Resp: 15557
Ion Ratio Lower Upper
112 100
64 68.3 53.5 80.3
63 36.5 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: 5.12 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

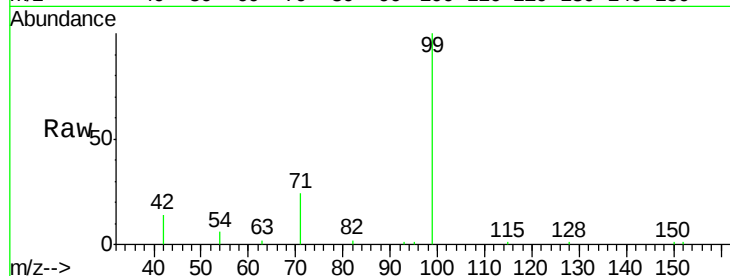
Tot Ion: 99 Resp: 12160

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

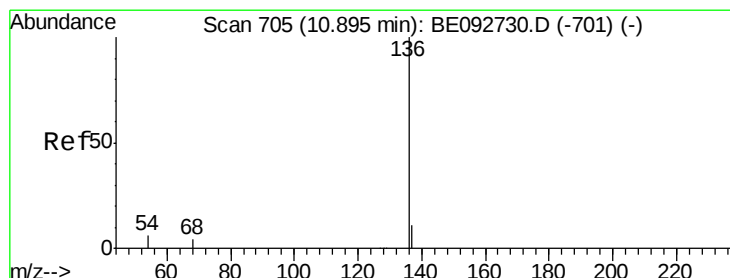
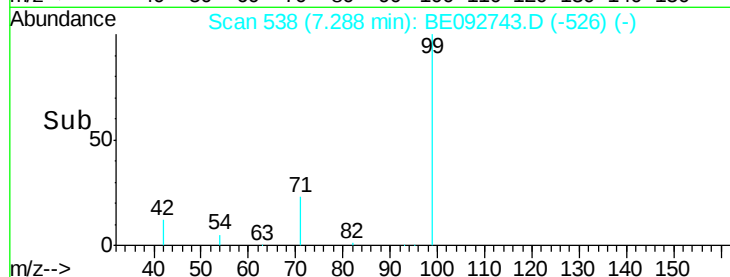
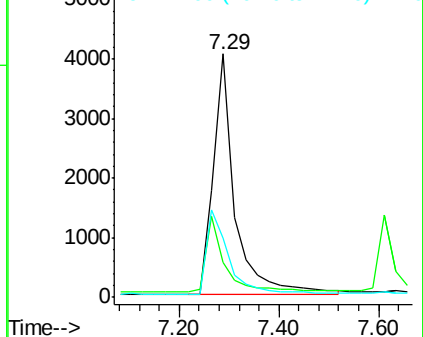
71 0.0 30.6 45.8#



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Tgt Ion: 136 Resp: 43866

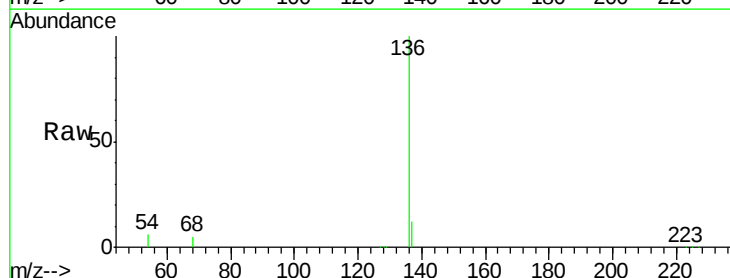
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 6.2 9.6 14.4#

68 4.7 6.7 10.1#

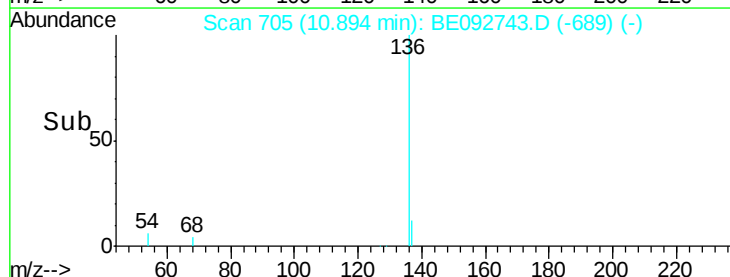
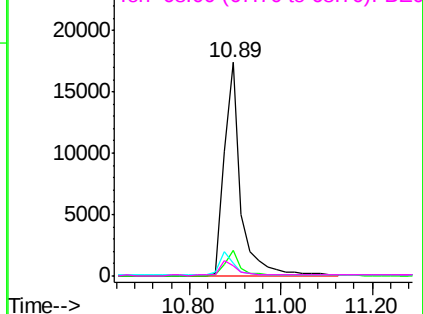


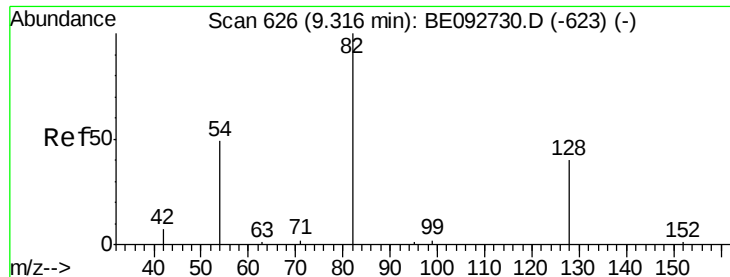
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.02 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

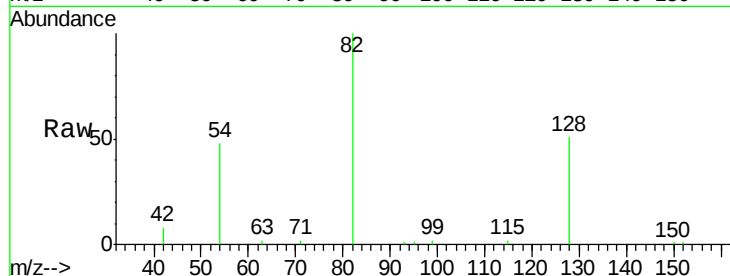
Tot Ion: 82 Resp: 14881

Ion Ratio Lower Upper

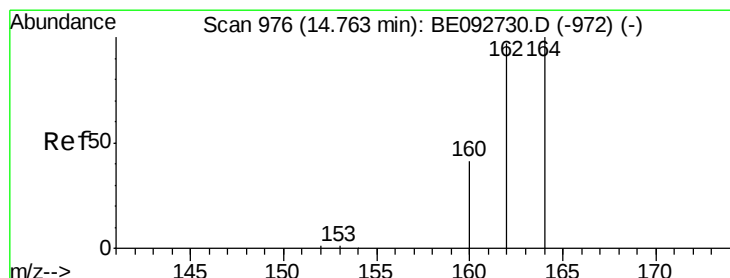
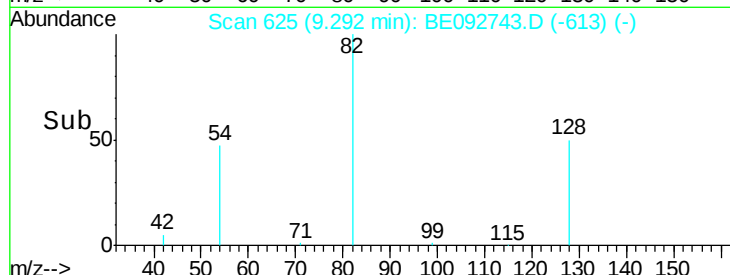
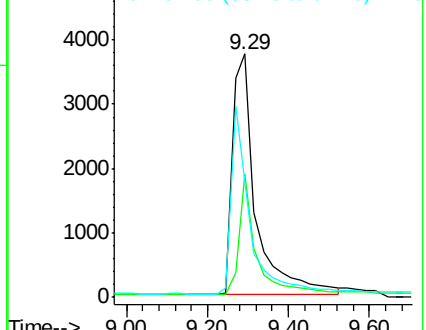
82 100

128 50.5 39.0 58.4

54 47.7 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: BE092743.D

Acq: 15 Feb 2017 21:15

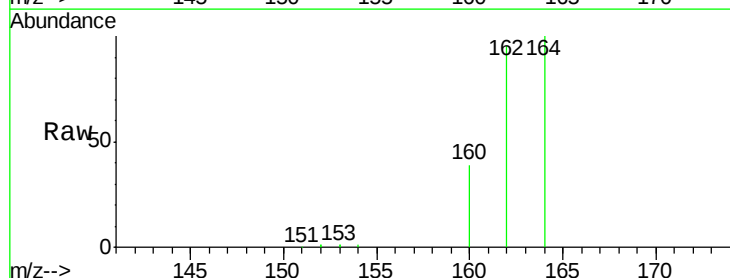
Tgt Ion: 164 Resp: 26196

Ion Ratio Lower Upper

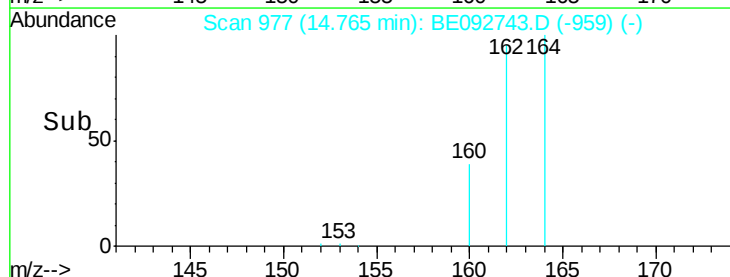
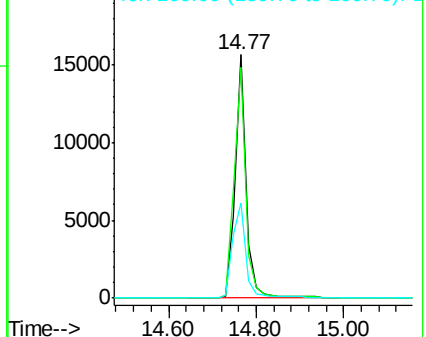
164 100

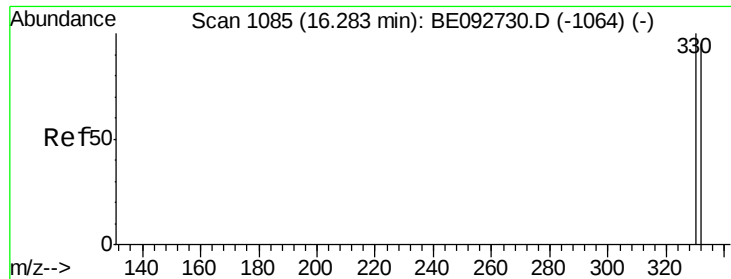
162 94.7 71.4 107.0

160 39.0 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

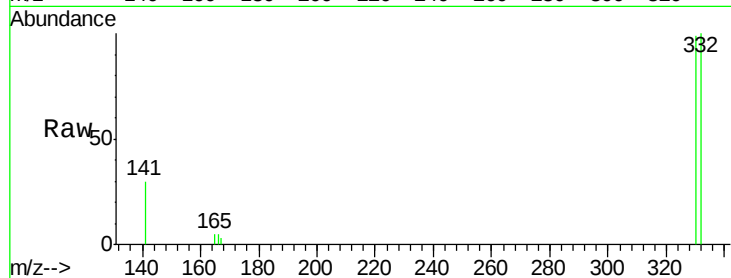




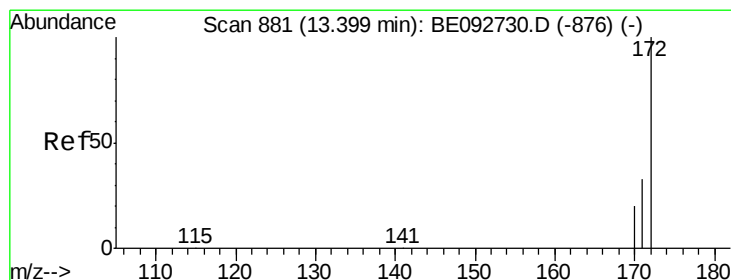
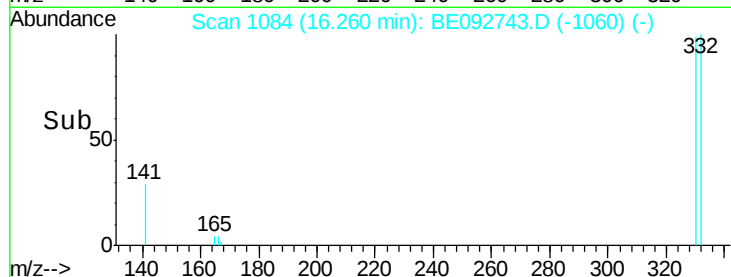
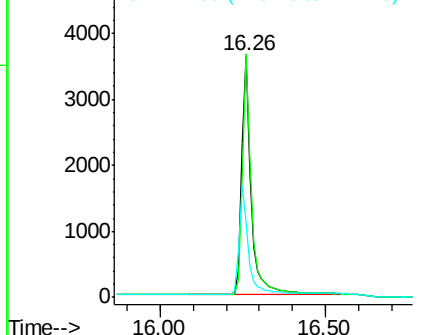
#13
 2,4,6-Tribromophenol
 Concen: 12.89 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092743.D
 Acq: 15 Feb 2017 21:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 7164
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.4 113.0
 141 44.3 31.0 46.6

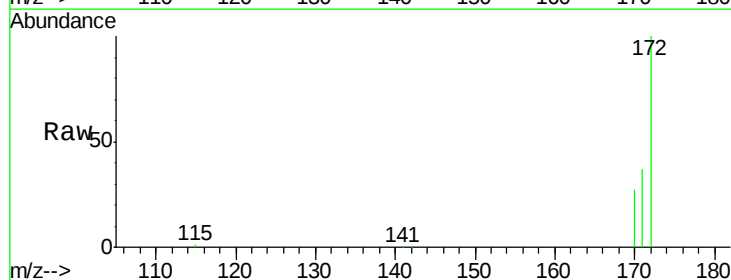


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

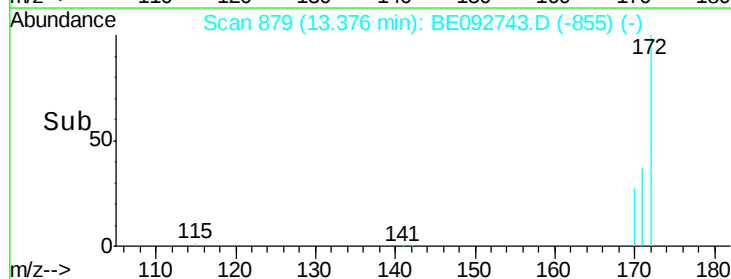
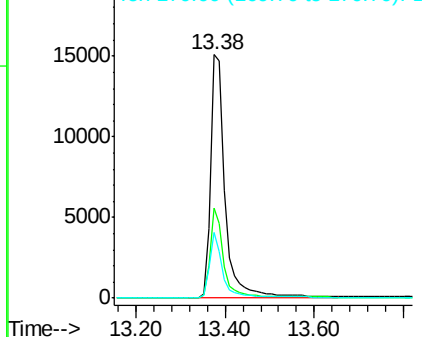


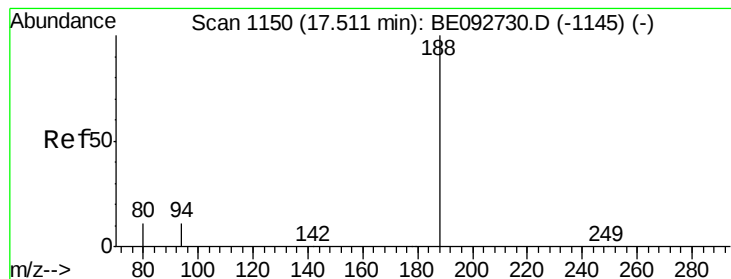
#14
 2-Fluorobiphenyl
 Concen: 5.32 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092743.D
 Acq: 15 Feb 2017 21:15

Tgt Ion:172 Resp: 34004
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.1 45.1
 170 26.9 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.51 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

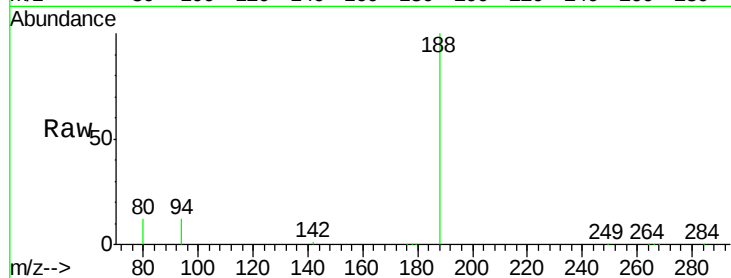
Tot Ion:188 Resp: 51979

Ion Ratio Lower Upper

188 100

94 12.3 3.2 4.8#

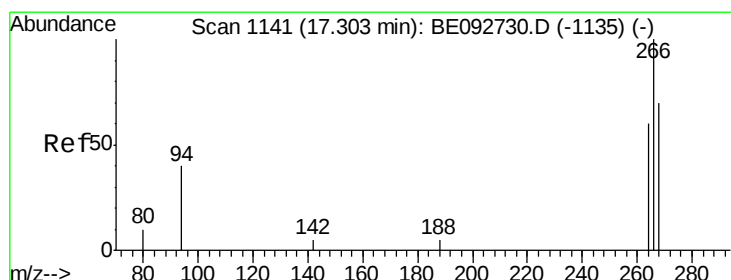
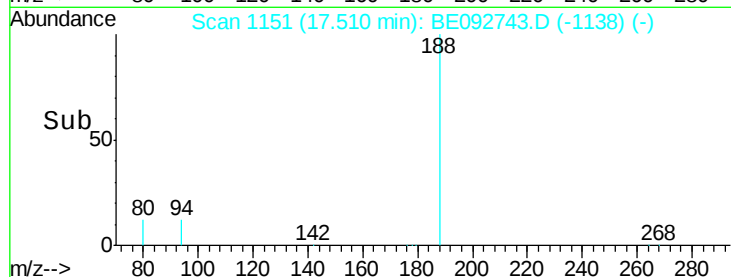
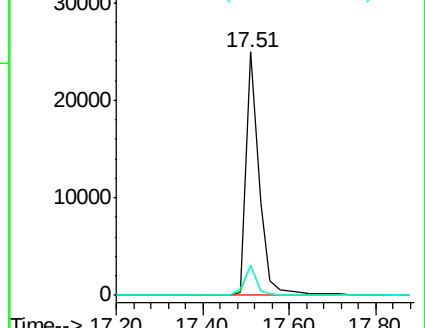
80 12.3 2.6 3.8#



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: 0.26 ng

RT: 17.28 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

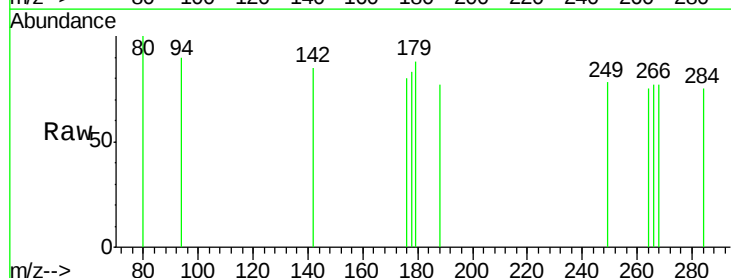
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

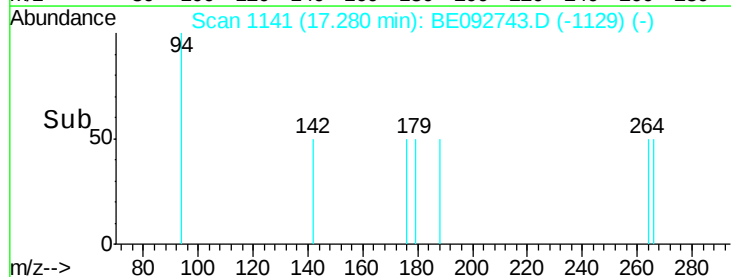
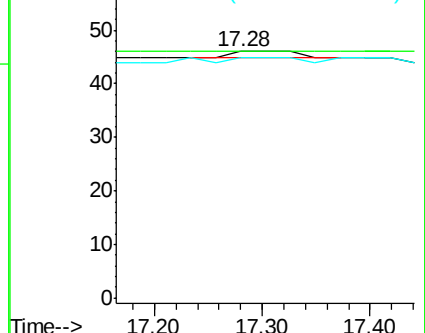
264 97.8 57.2 85.8#

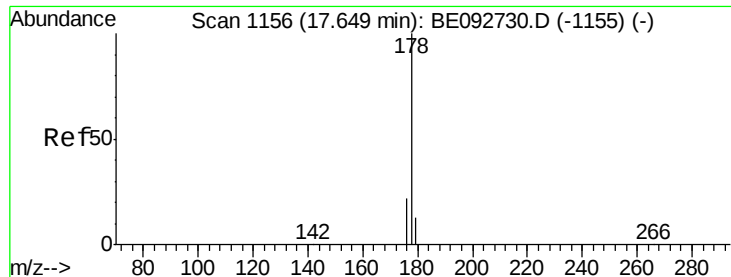


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Anthracene

Concen: 0.02 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.09 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

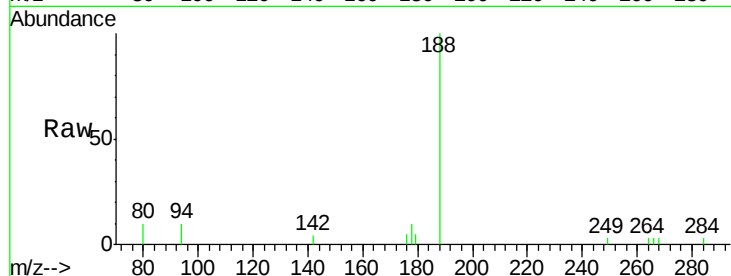
Tot Ion:178 Resp: 234

Ion Ratio Lower Upper

178 100

176 23.5 15.0 22.4#

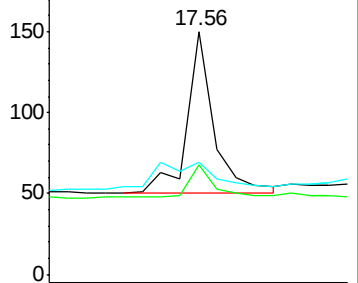
179 0.0 12.2 18.2#



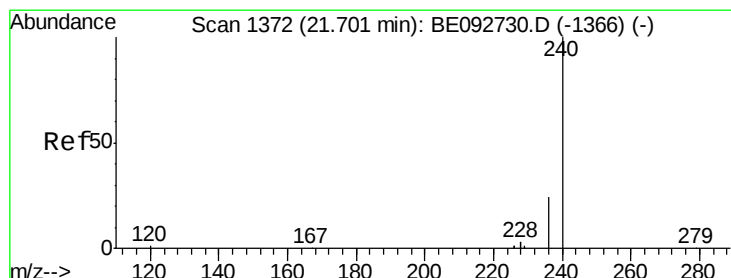
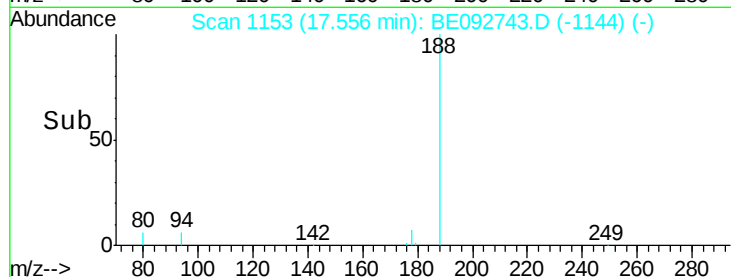
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

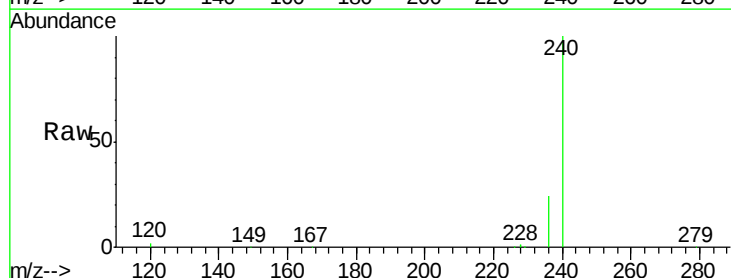
Tgt Ion:240 Resp: 65167

Ion Ratio Lower Upper

240 100

120 1.6 2.6 4.0#

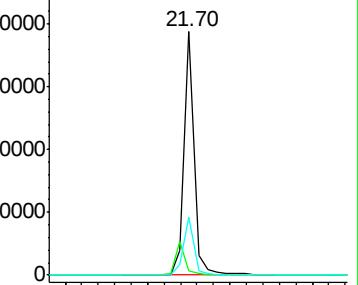
236 23.7 24.6 37.0#



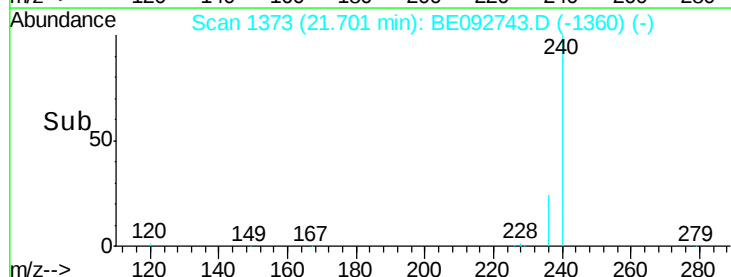
Abundance Ion 240.00 (239.70 to 240.70): E

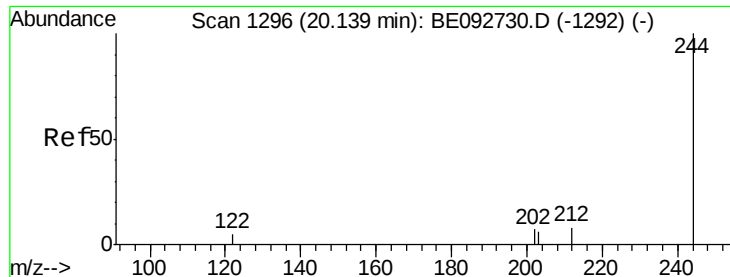
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#26

Terphenyl-d14

Concen: 5.51 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

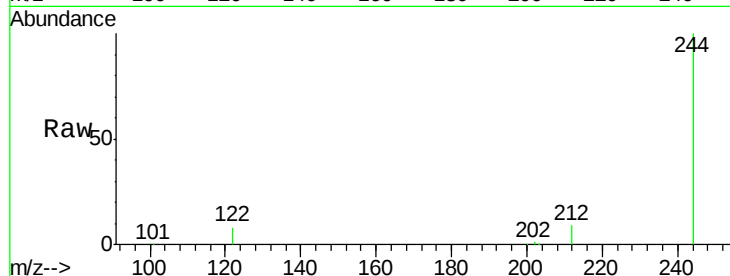
Tot Ion:244 Resp: 45844

Ion Ratio Lower Upper

244 100

212 9.1 6.7 10.1

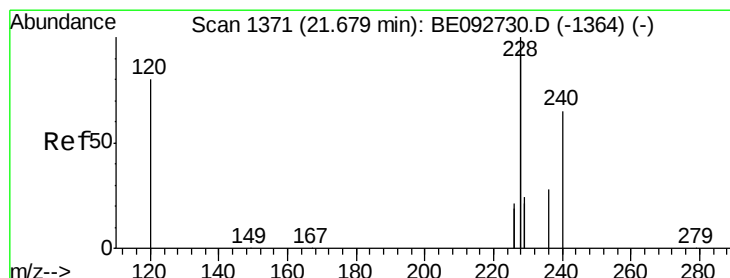
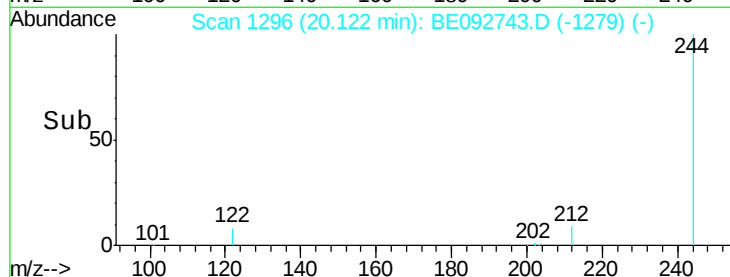
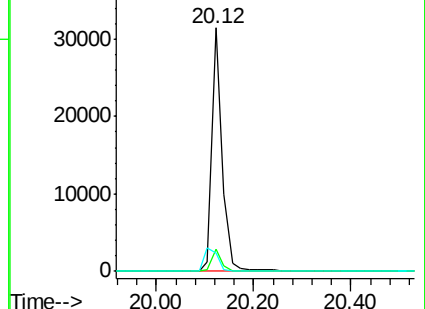
122 7.8 3.6 5.4#



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: 0.02 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

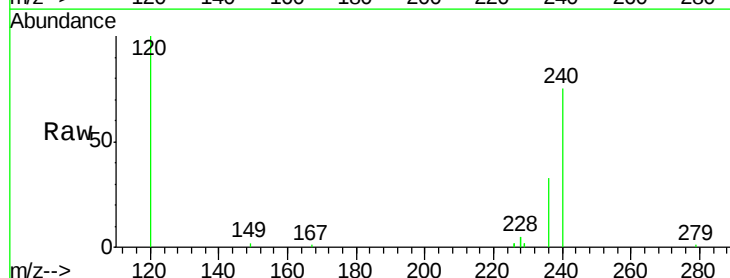
Tgt Ion:228 Resp: 1483

Ion Ratio Lower Upper

228 100

226 46.8 23.6 35.4#

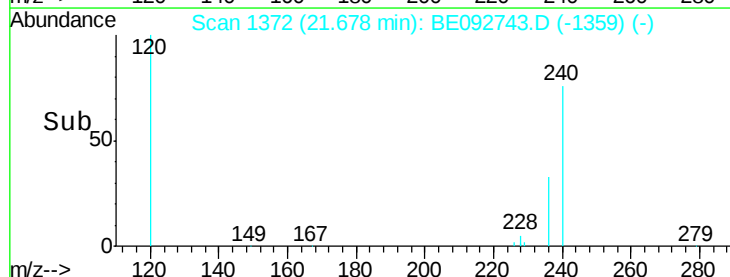
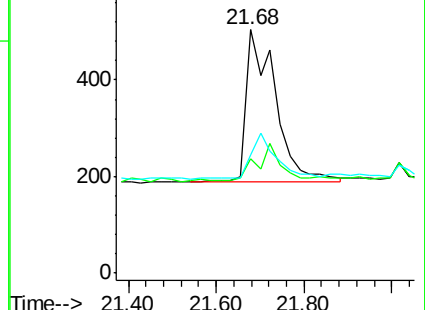
229 48.8 13.3 19.9#

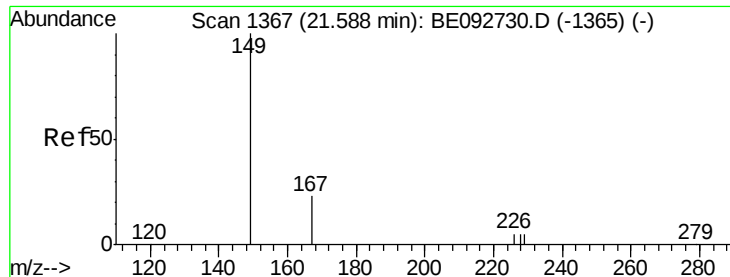


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

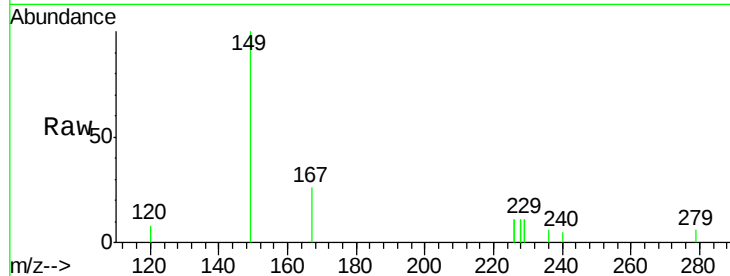




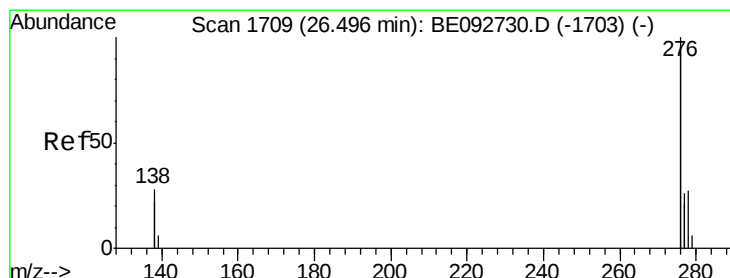
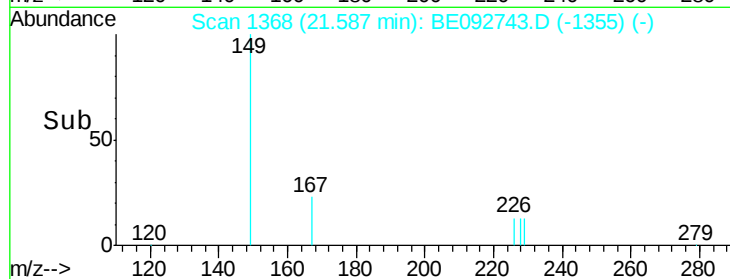
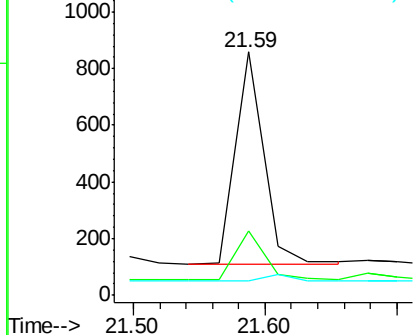
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.19 ng
 RT: 21.59 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE092743.D
 Acq: 15 Feb 2017 21:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 1136
 Ion Ratio Lower Upper
 149 100
 167 22.7 16.0 24.0
 279 0.0 16.0 24.0#

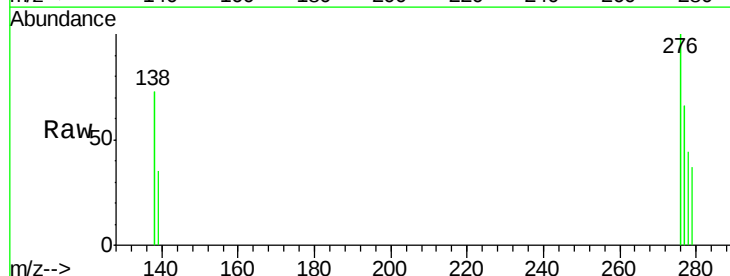


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

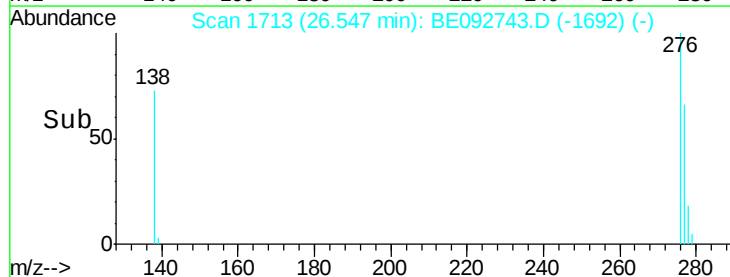
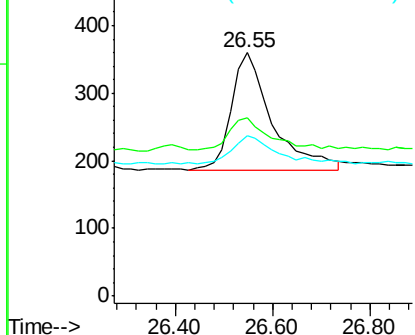


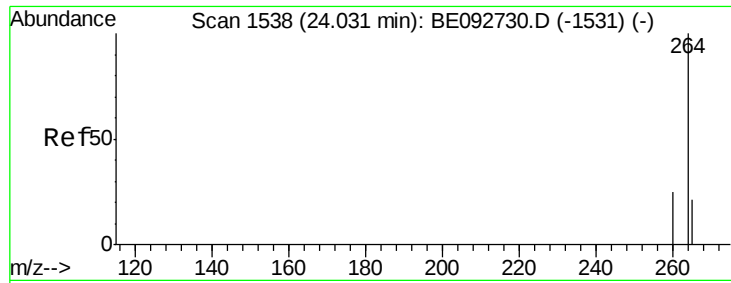
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 26.55 min Scan# 1713
 Delta R.T. 0.05 min
 Lab File: BE092743.D
 Acq: 15 Feb 2017 21:15

Tgt Ion:276 Resp: 1020
 Ion Ratio Lower Upper
 276 100
 138 27.5 20.3 30.5
 277 25.1 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

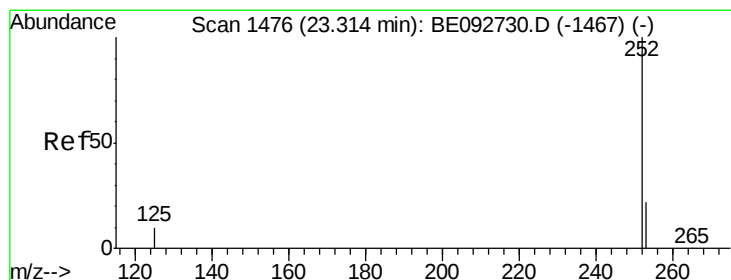
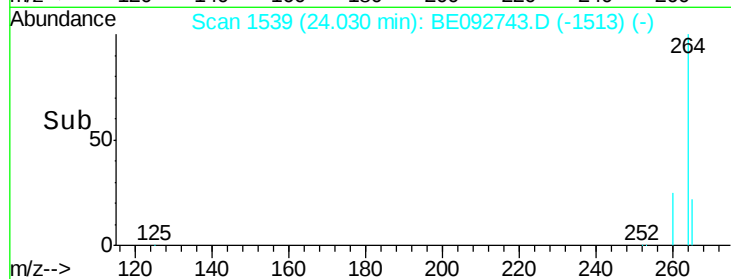
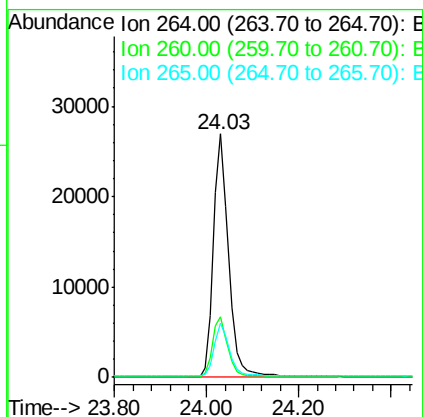
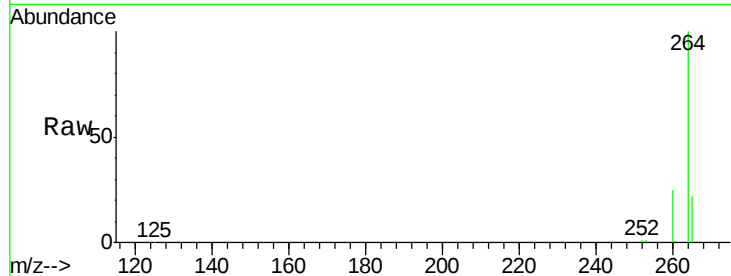




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE092743.D
Acq: 15 Feb 2017 21:15

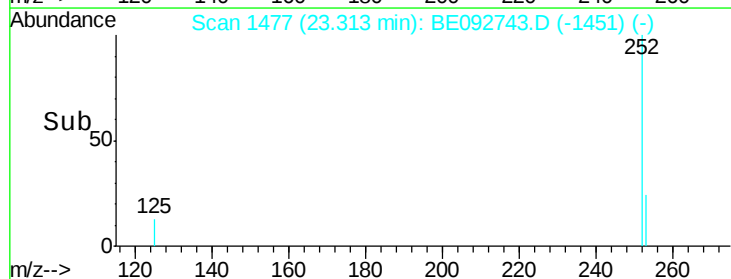
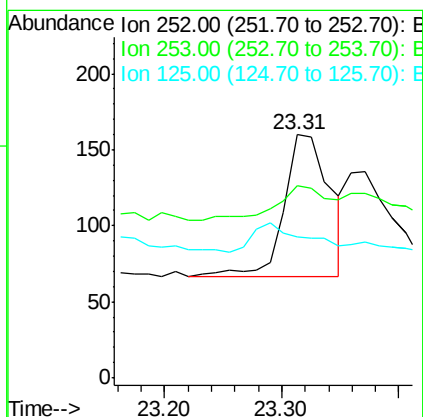
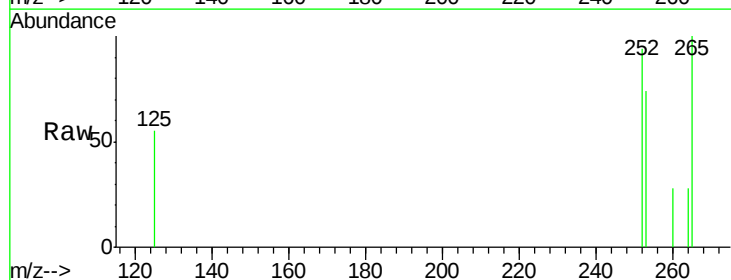
Instrument :
BNA_E
ClientSampleId :

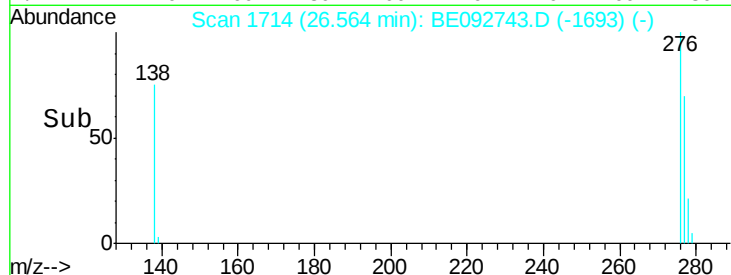
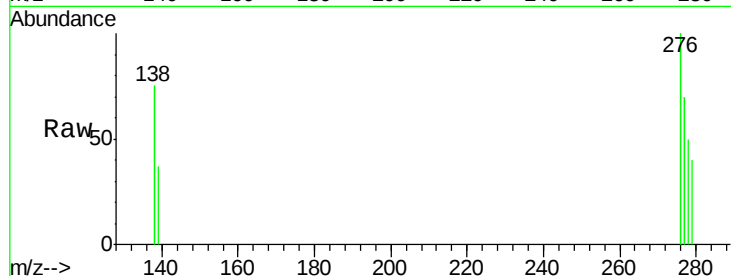
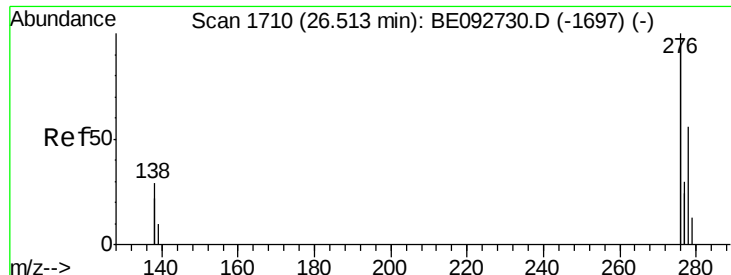
Tot Ion:264 Resp: 62062
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 22.4 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 23.31 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BE092743.D
Acq: 15 Feb 2017 21:15

Tgt Ion:252 Resp: 253
Ion Ratio Lower Upper
252 100
253 78.8 18.7 28.1#
125 58.1 10.5 15.7#





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.56 min Scan# 1714

Delta R.T. 0.05 min

Lab File: BE092743.D

Acq: 15 Feb 2017 21:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:278 Resp: 204

Ion Ratio Lower Upper

278 100

139 74.7 13.8 20.8#

279 80.7 21.4 32.2#

