

Data Path : Z:\HPCHEM1\BNA E\DATA\BE071917\
 Data File : BE093494.D
 Acq On : 19 Jul 2017 20:57
 Operator : SJ/JU
 Sample : I4199-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 12:03:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	4702	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	26287	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	16733	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	28320	0.40	ng	0.00
27) Chrysene-d12	21.43	240	38231	0.40	ng	0.00
34) Perylene-d12	23.94	264	31393	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	3738	0.26	ng	0.00
5) Phenol-d6	7.10	99	3661	0.17	ng	0.00
8) Nitrobenzene-d5	9.08	82	7742	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	13879	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	2304	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	24601	0.38	ng	-0.01
25) Fluoranthene-d10	19.29	212	140457	0.41	ng	0.00
29) Terphenyl-d14	19.87	244	24113	0.35	ng	0.00

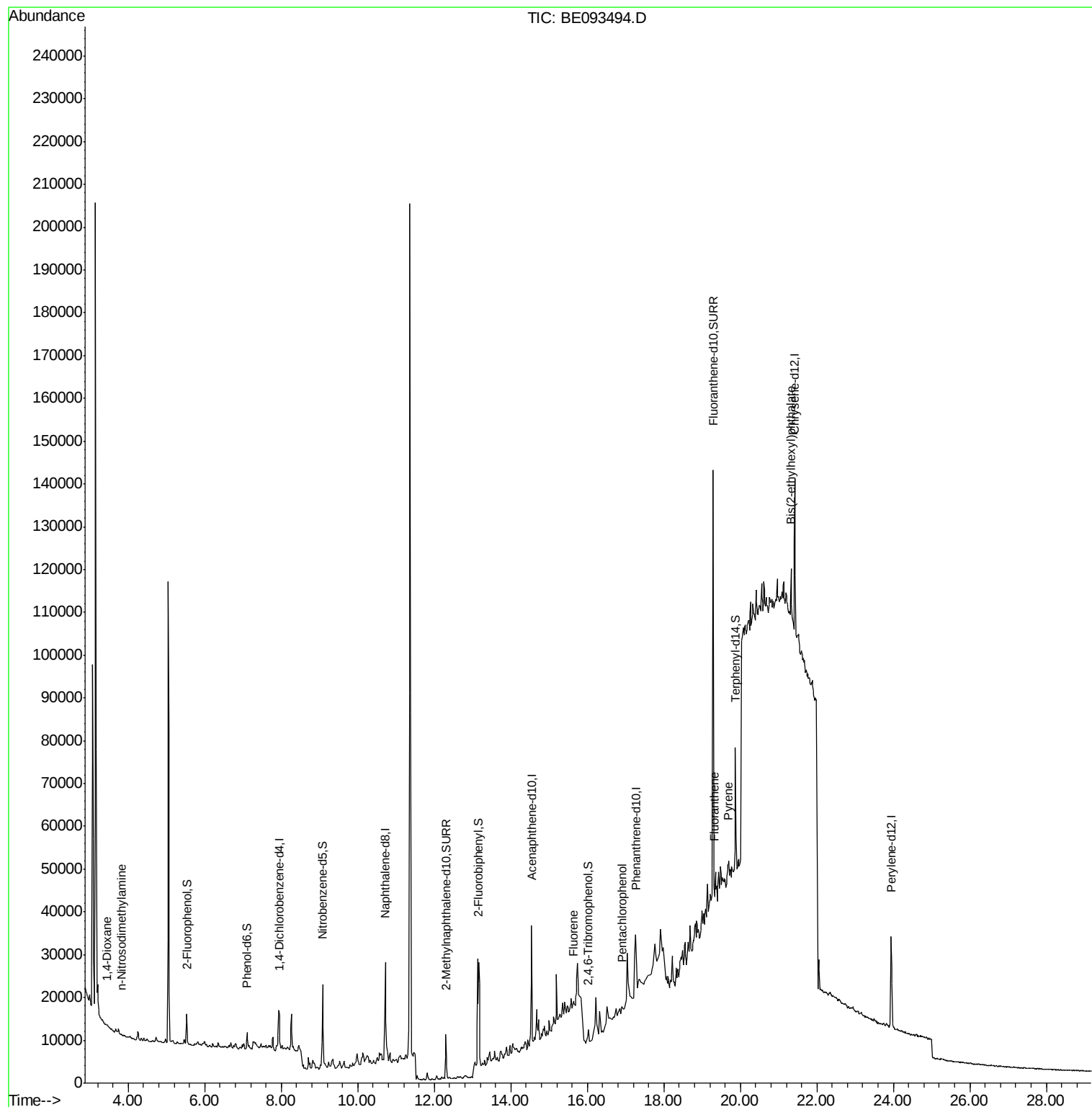
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	216	0.022	ng	# 1
3) n-Nitrosodimethylamine	3.82	42	53	0.132	ng	# 1
18) Fluorene	15.64	166	3222	0.046	ng	# 19
22) Pentachlorophenol	16.91	266	698	0.314	ng	# 86
26) Fluoranthene	19.32	202	2173	0.022	ng	# 75
28) Pyrene	19.67	202	3480	0.032	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.33	149	24483	0.165	ng	# 85

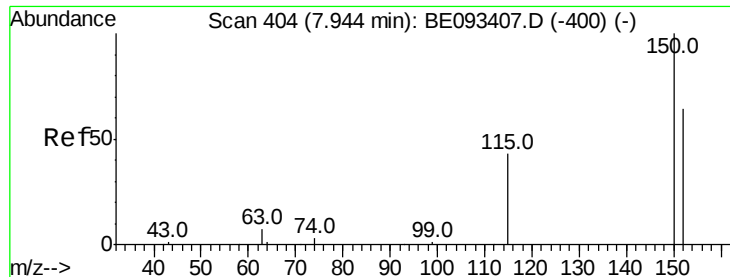
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

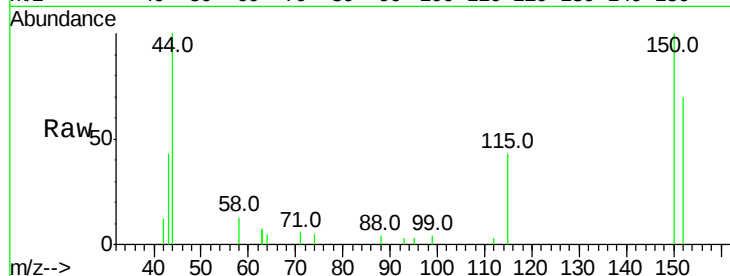
Tot Ion:152 Resp: 4702

Ion Ratio Lower Upper

152 100

150 142.8 125.1 187.7

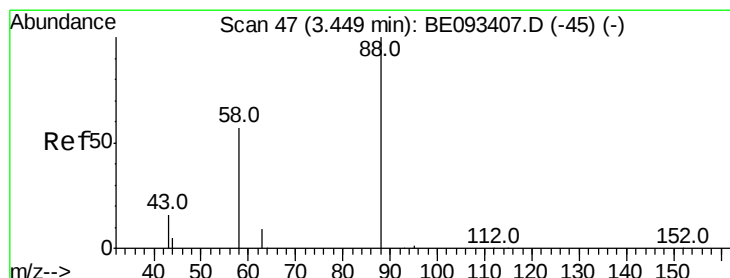
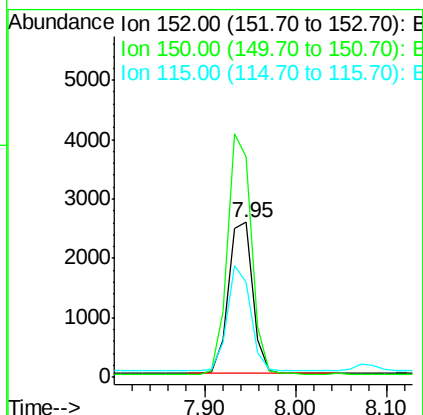
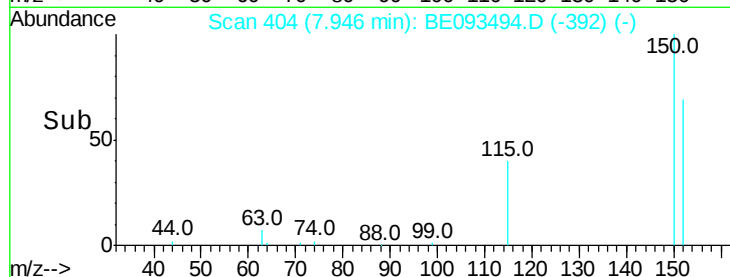
115 61.2 55.7 83.5



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: 0.022 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

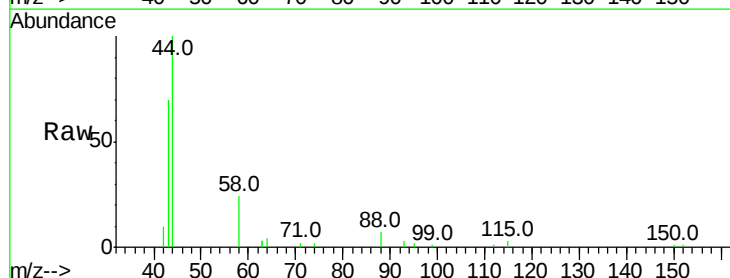
Tgt Ion: 88 Resp: 216

Ion Ratio Lower Upper

88 100

58 285.2 62.2 93.4#

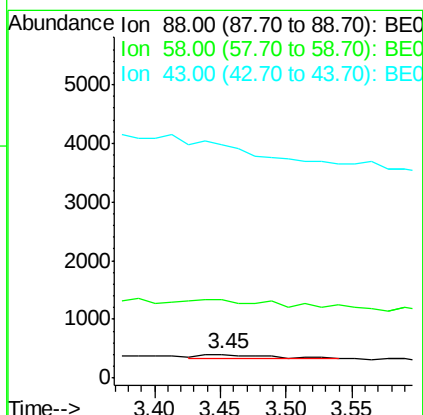
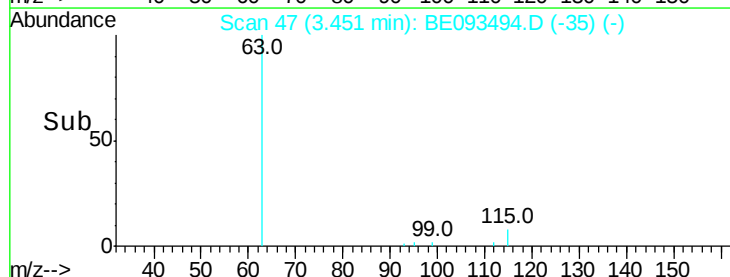
43 0.0 23.2 34.8#



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



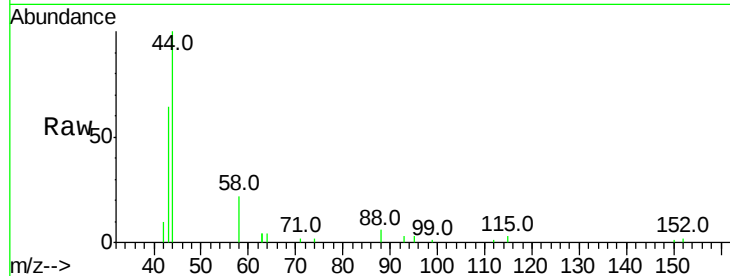


#3

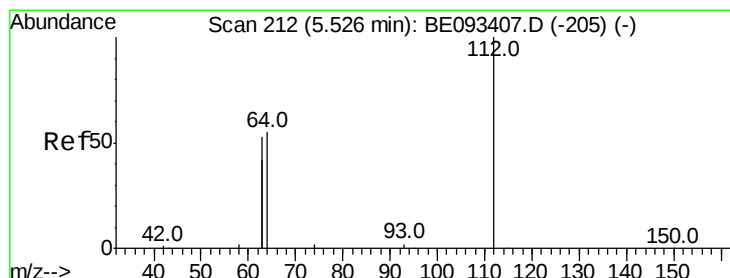
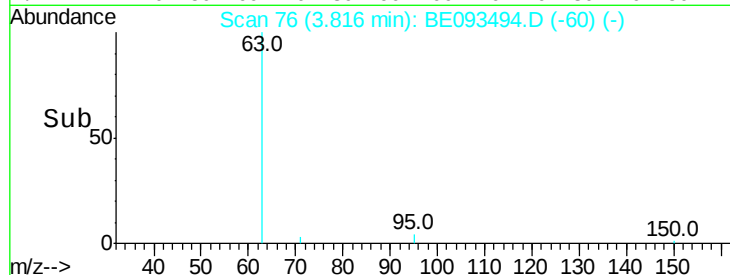
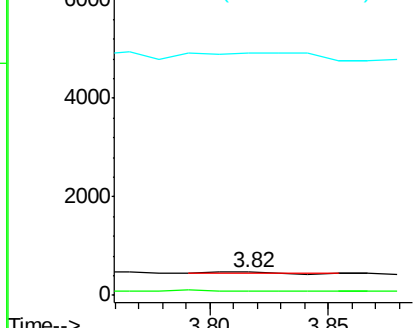
n-Nitrosodimethylamine
 Concen: 0.132 ng
 RT: 3.82 min Scan# 76
 Delta R.T. 0.05 min
 Lab File: BE093494.D
 Acq: 19 Jul 2017 20:57

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 53
 Ion Ratio Lower Upper
 42 100
 74 0.0 99.1 148.7#
 44 0.0 7.4 11.2#



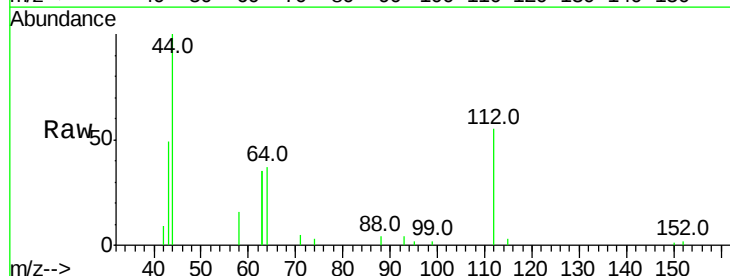
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



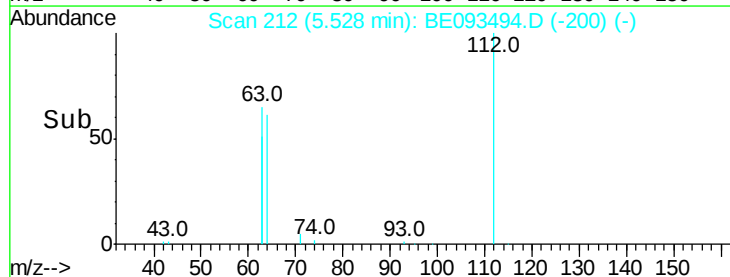
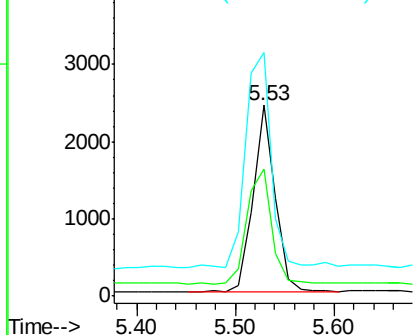
#4

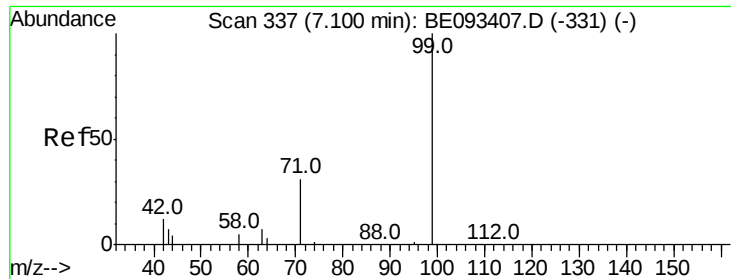
2-Fluorophenol
 Concen: 0.263 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: BE093494.D
 Acq: 19 Jul 2017 20:57

Tgt Ion: 112 Resp: 3738
 Ion Ratio Lower Upper
 112 100
 64 69.4 56.4 84.6
 63 132.0 29.3 43.9#



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: 0.175 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

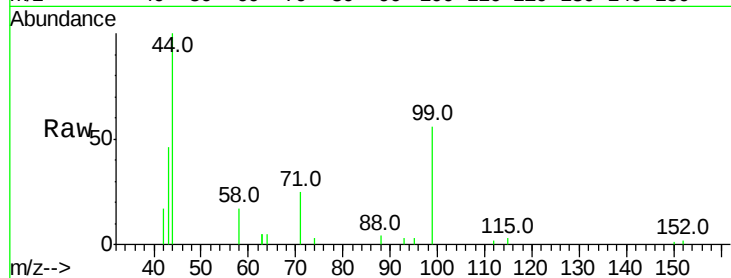
Tot Ion: 99 Resp: 3661

Ion Ratio Lower Upper

99 100

42 17.6 0.0 0.0#

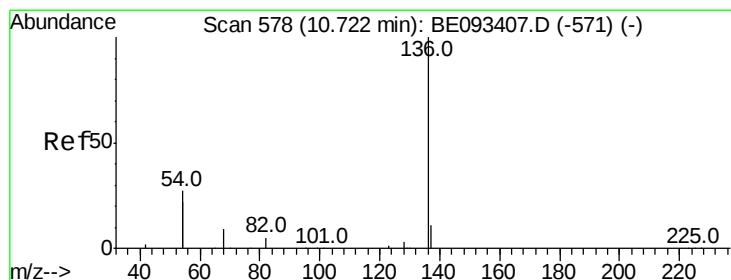
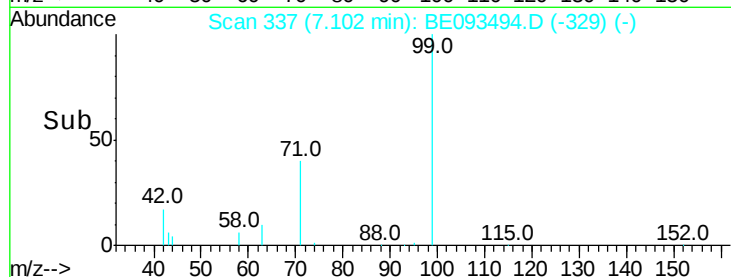
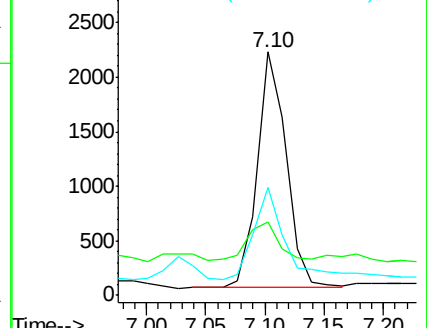
71 46.5 0.0 0.0#



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: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Tgt Ion: 136 Resp: 26287

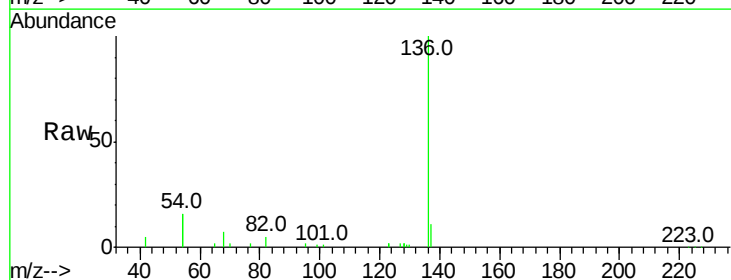
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 32.7 10.3 15.5#

68 6.8 9.0 13.4#

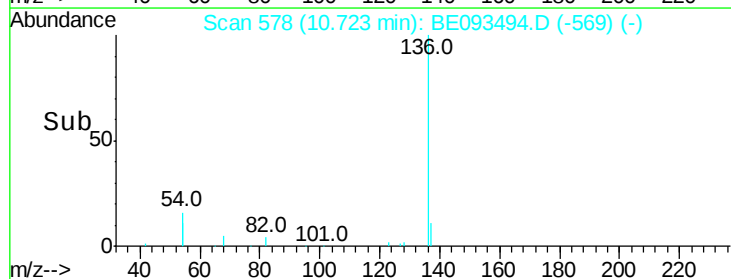
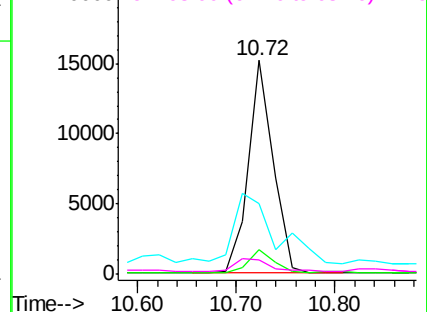


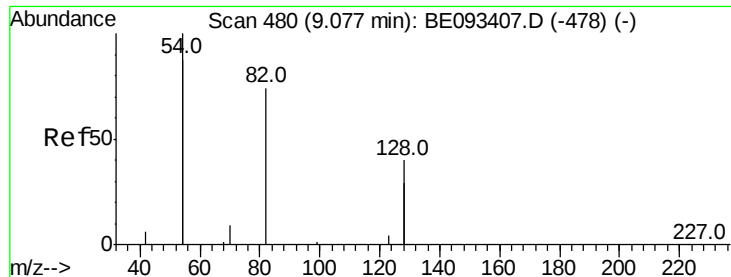
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.461 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

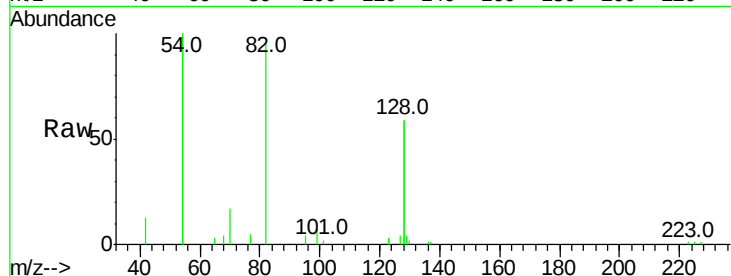
Tot Ion: 82 Resp: 7742

Ion Ratio Lower Upper

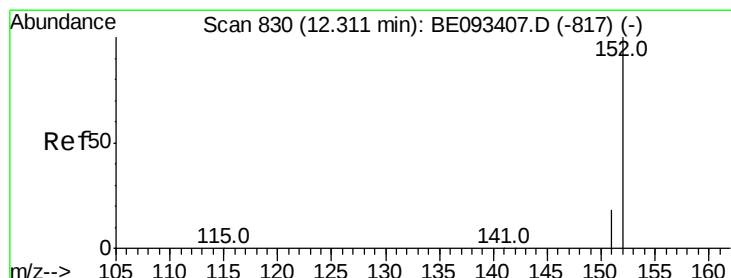
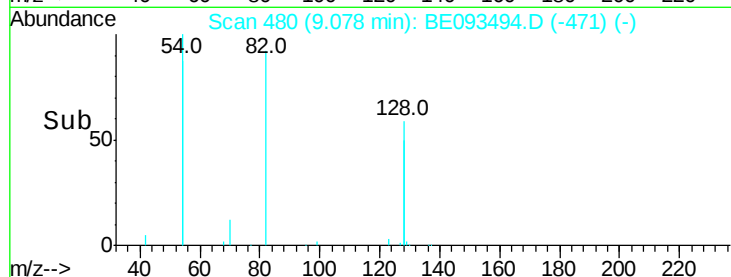
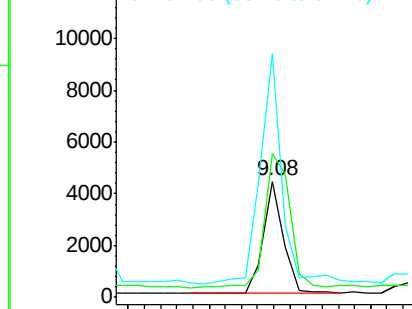
82 100

128 124.6 17.0 25.4#

54 210.5 53.8 80.6#



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



#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093494.D

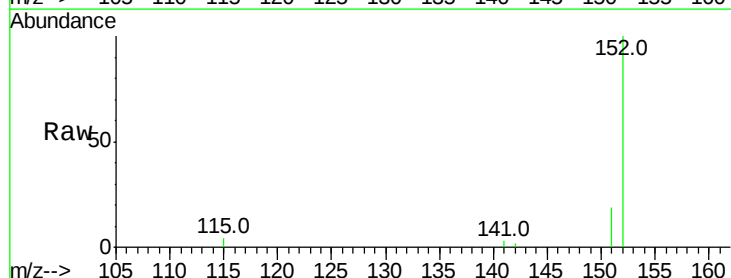
Acq: 19 Jul 2017 20:57

Tgt Ion: 152 Resp: 13879

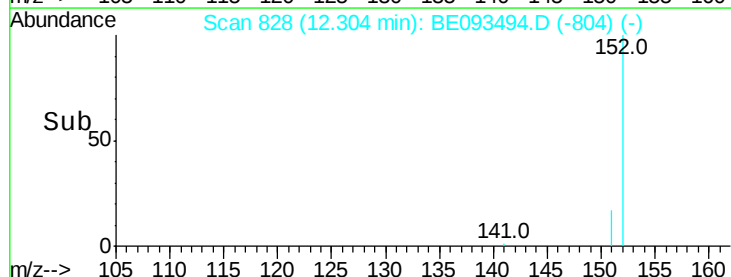
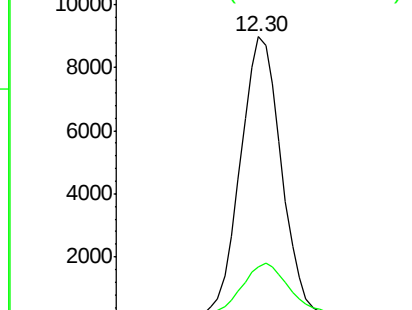
Ion Ratio Lower Upper

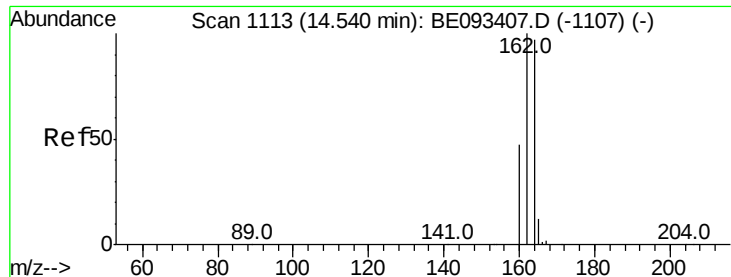
152 100

151 22.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampled :

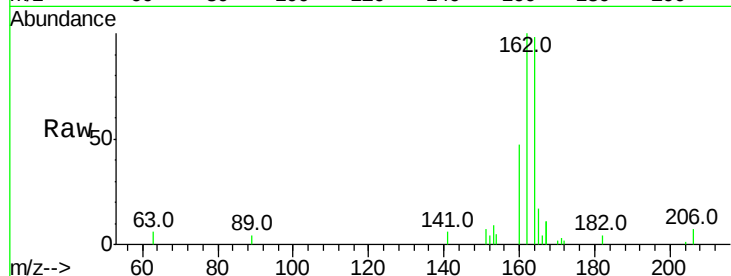
Tot Ion:164 Resp: 16733

Ion Ratio Lower Upper

164 100

162 102.5 84.6 127.0

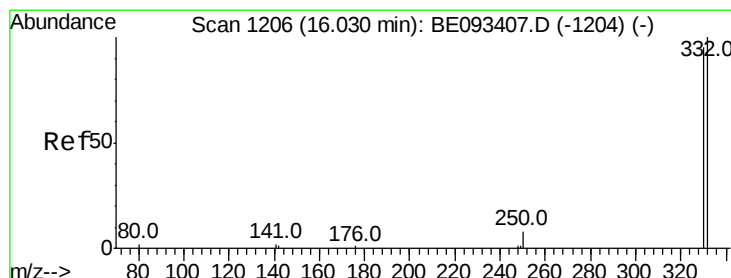
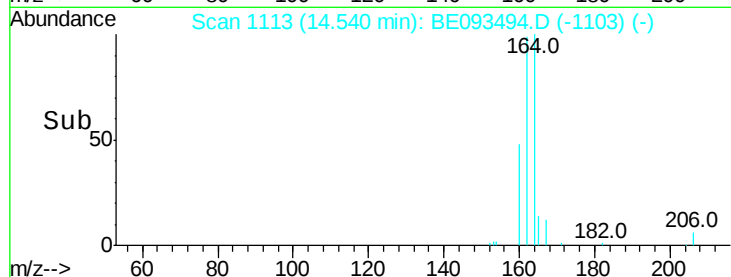
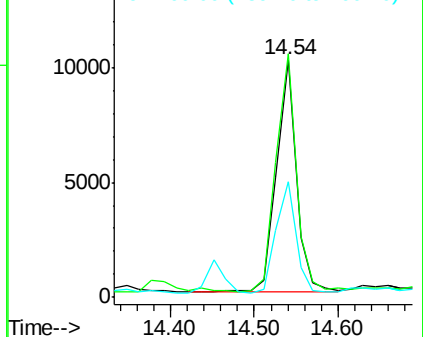
160 48.4 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.438 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

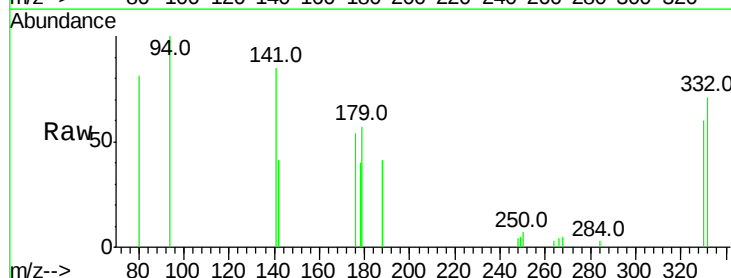
Tgt Ion:330 Resp: 2304

Ion Ratio Lower Upper

330 100

332 113.8 77.7 116.5

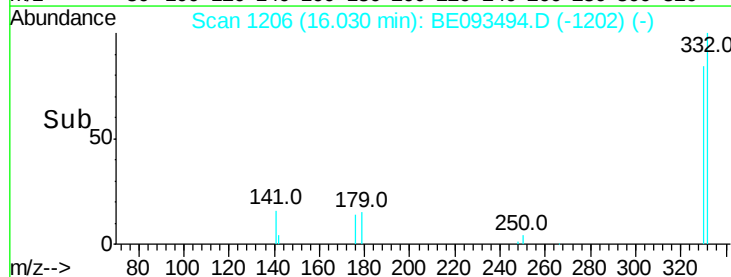
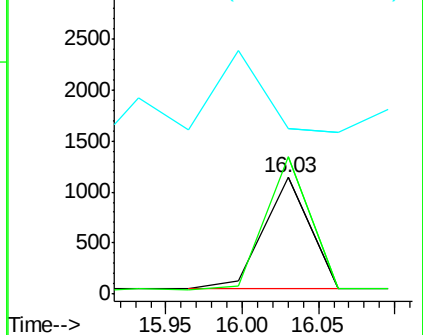
141 0.0 56.2 84.4#

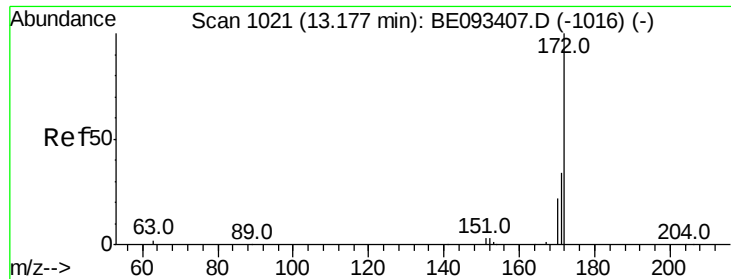


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

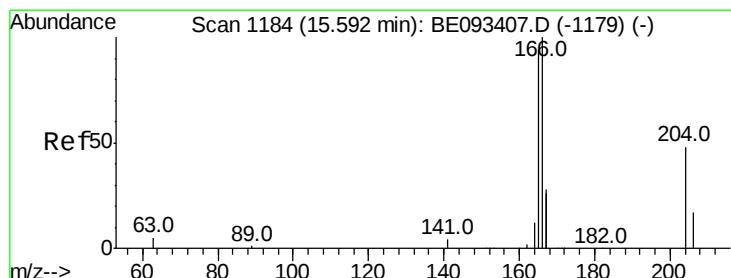
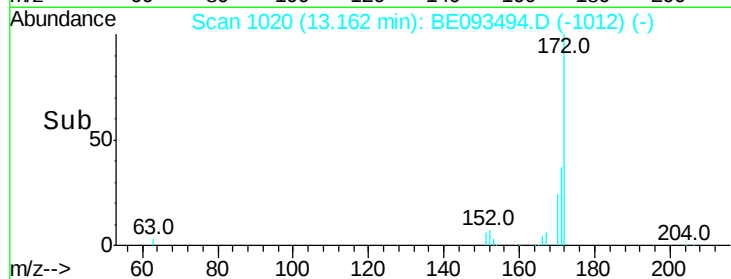
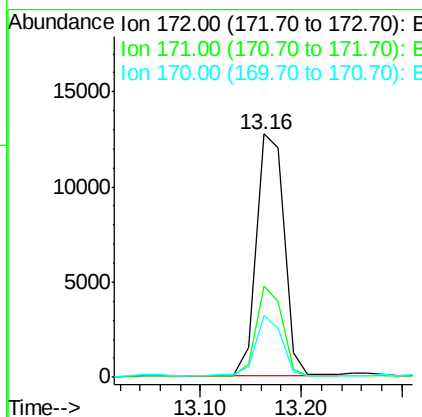
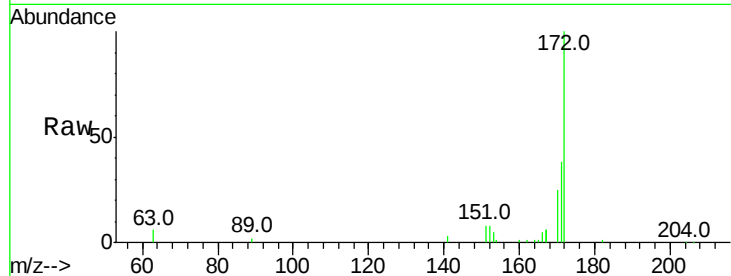




#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE093494.D
Acq: 19 Jul 2017 20:57

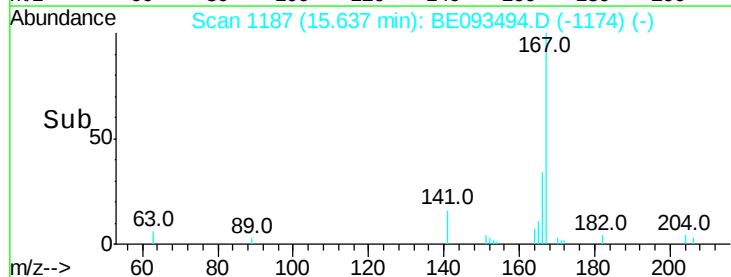
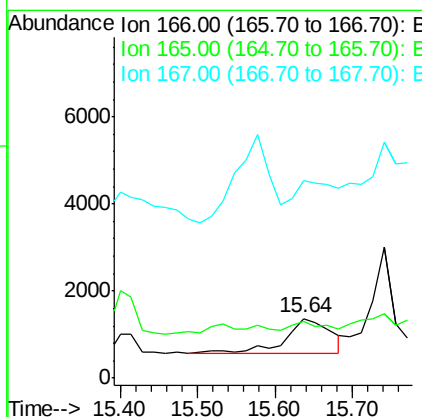
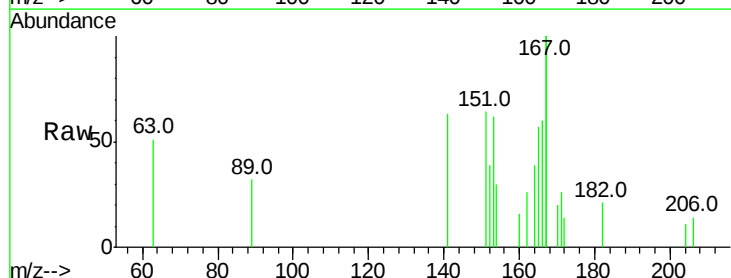
Instrument :
BNA_E
ClientSampleId :

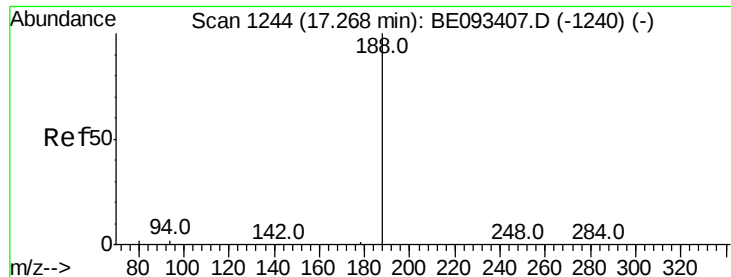
Tot Ion:172 Resp: 24601
Ion Ratio Lower Upper
172 100
171 37.7 29.8 44.6
170 25.5 20.7 31.1



#18
Fluorene
Concen: 0.046 ng
RT: 15.64 min Scan# 1187
Delta R.T. 0.05 min
Lab File: BE093494.D
Acq: 19 Jul 2017 20:57

Tgt Ion:166 Resp: 3222
Ion Ratio Lower Upper
166 100
165 14.4 78.6 117.8#
167 37.5 11.1 16.7#

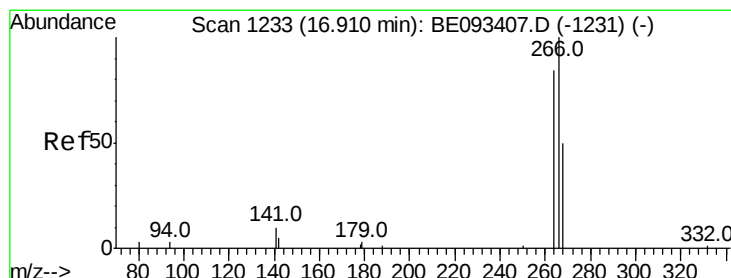
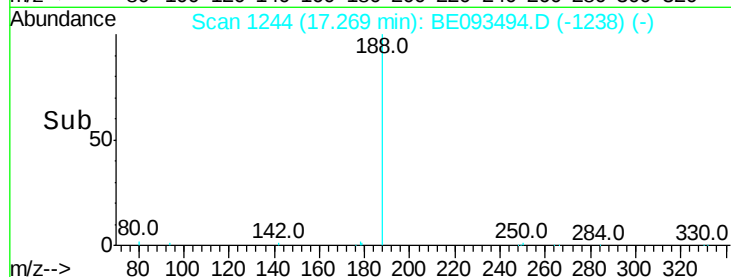
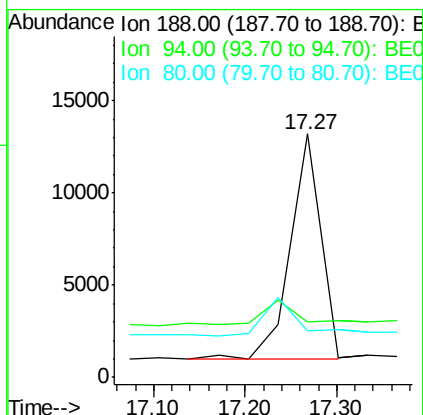
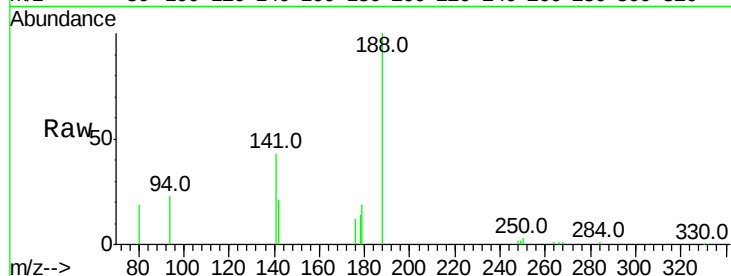




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093494.D
Acq: 19 Jul 2017 20:57

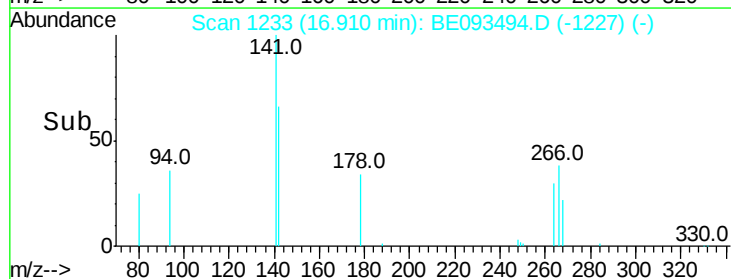
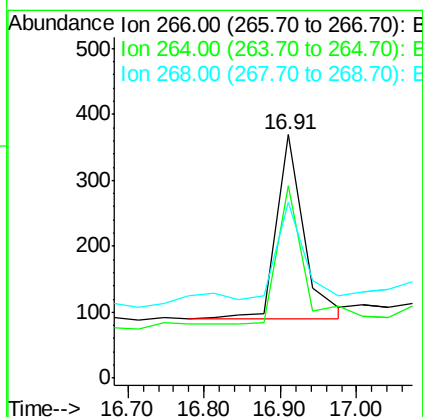
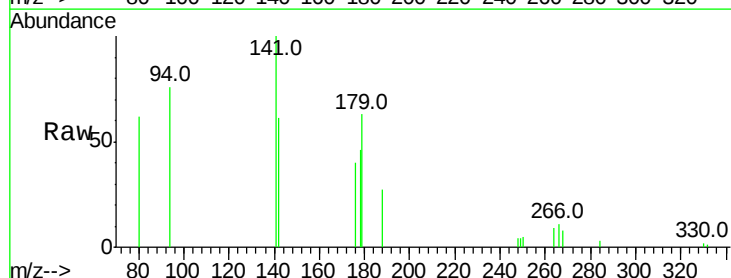
Instrument :
BNA_E
ClientSampleId :

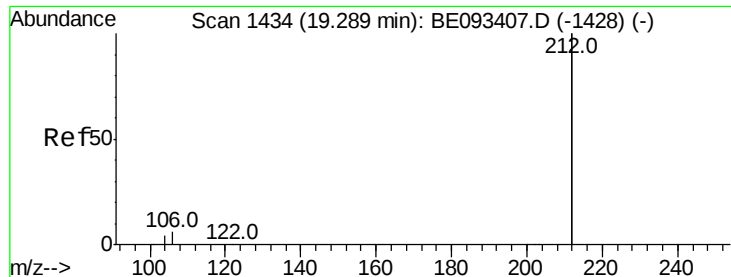
Tot Ion:188 Resp: 28320
Ion Ratio Lower Upper
188 100
94 22.9 11.3 16.9#
80 19.3 11.7 17.5#



#22
Pentachlorophenol
Concen: 0.314 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093494.D
Acq: 19 Jul 2017 20:57

Tgt Ion:266 Resp: 698
Ion Ratio Lower Upper
266 100
264 78.9 58.2 87.2
268 72.1 71.9 107.9





#25

Fluoranthene-d10

Concen: 0.411 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093494.D

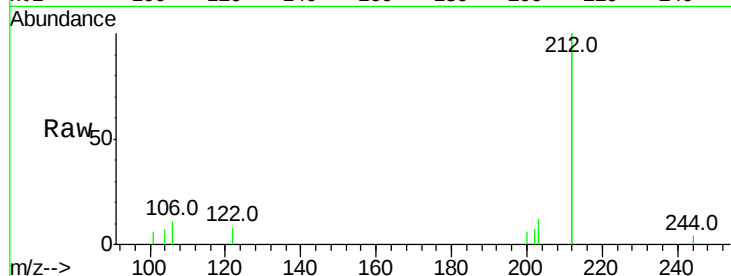
Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampled :

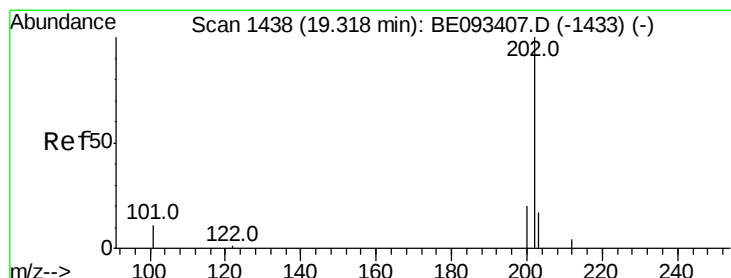
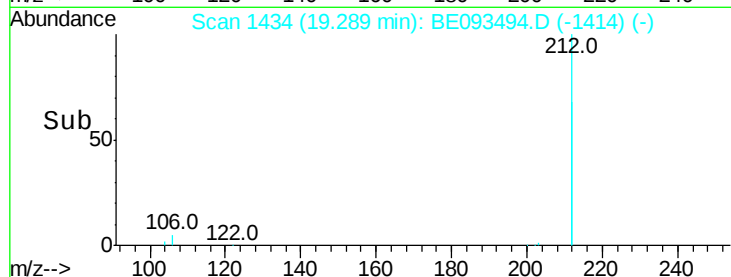
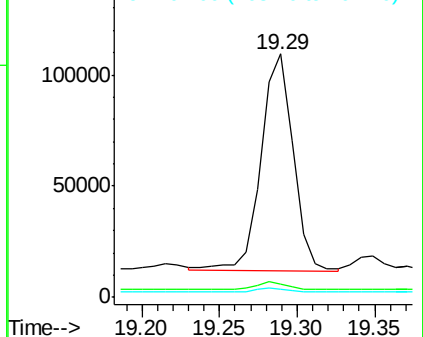
Tot Ion:212	Resp:	140457
Ion Ratio	Lower	Upper
212	100	
106	3.6	2.4 3.6
104	2.0	1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.022 ng

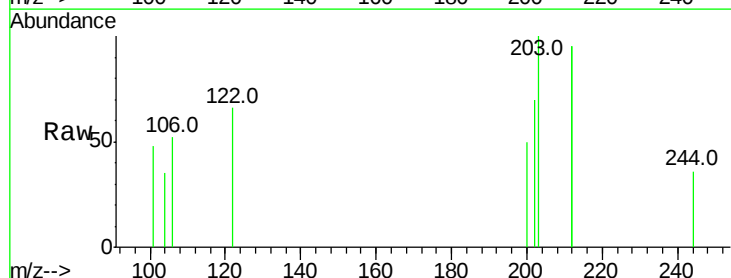
RT: 19.32 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

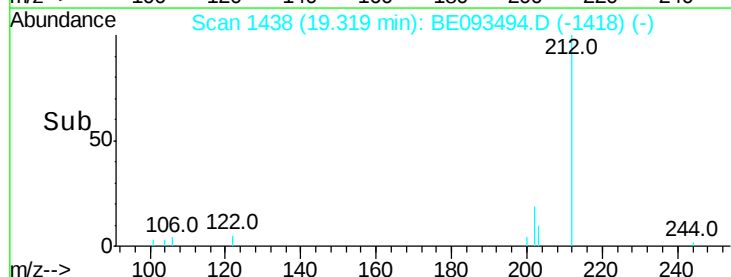
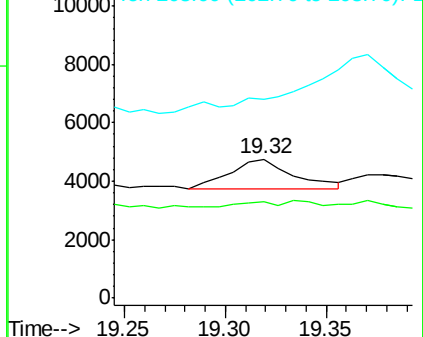
Tgt Ion:202	Resp:	2173
Ion Ratio	Lower	Upper
202	100	
101	11.0	9.6 14.4
203	0.0	14.4 21.6#

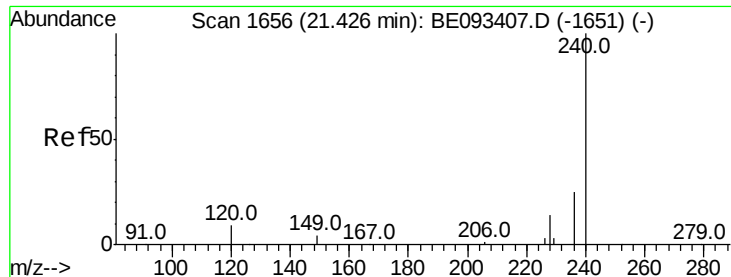


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

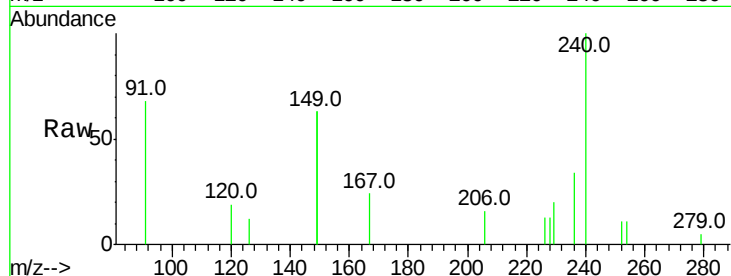
Tot Ion:240 Resp: 38231

Ion Ratio Lower Upper

240 100

120 18.7 4.6 7.0#

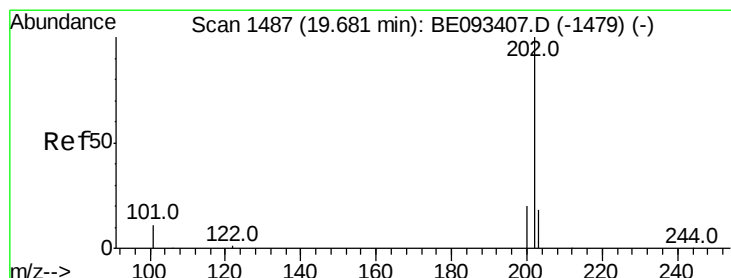
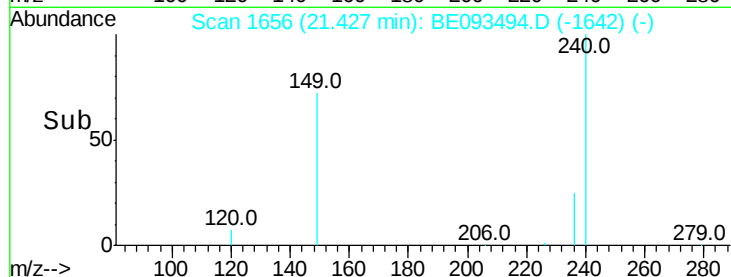
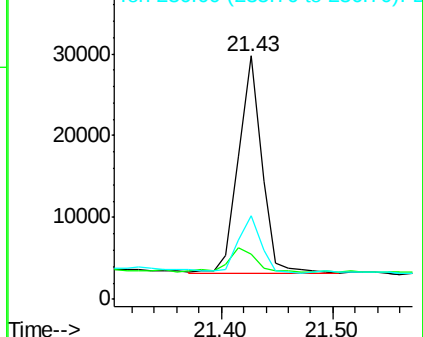
236 34.5 20.8 31.2#



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



#28

Pyrene

Concen: 0.032 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

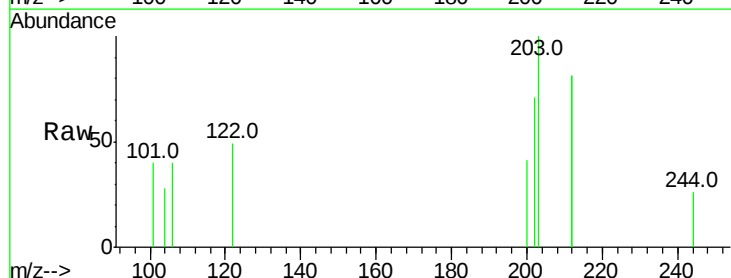
Tgt Ion:202 Resp: 3480

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

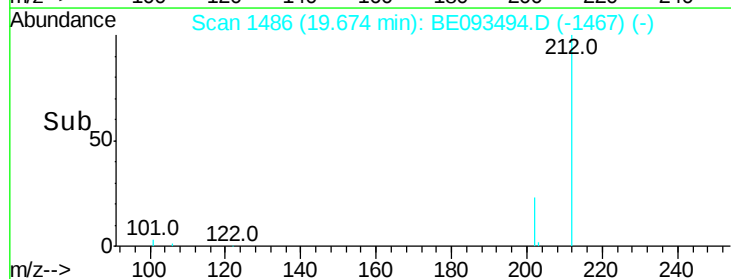
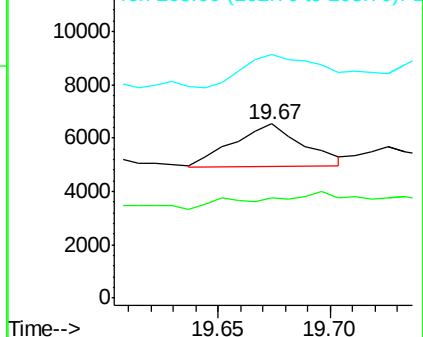
203 96.3 13.7 20.5#

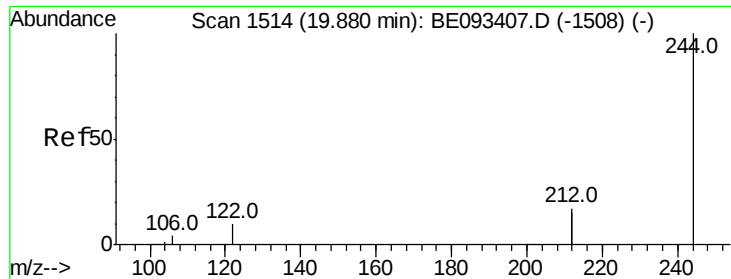


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.353 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

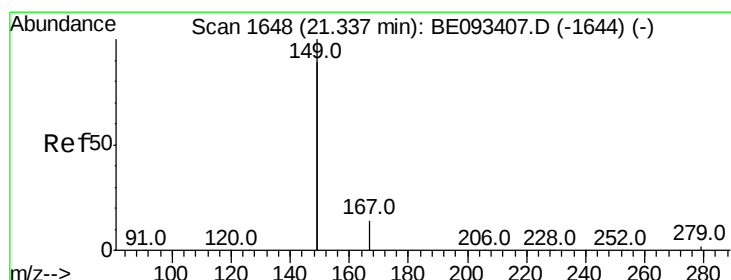
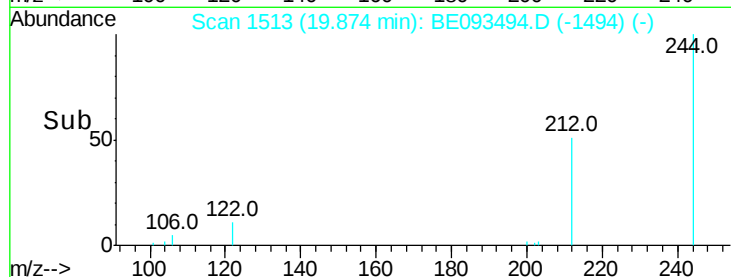
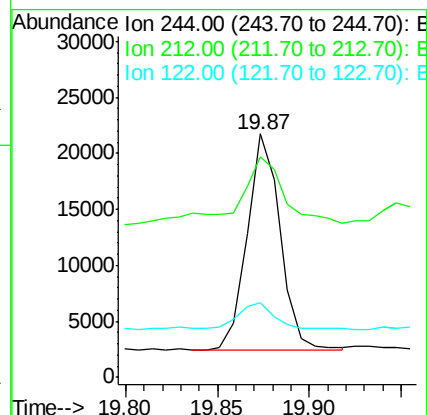
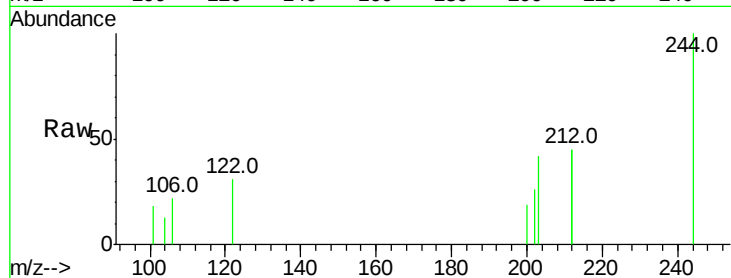
Tot Ion:244 Resp: 24113

Ion Ratio Lower Upper

244 100

212 90.7 10.6 16.0#

122 30.8 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.165 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

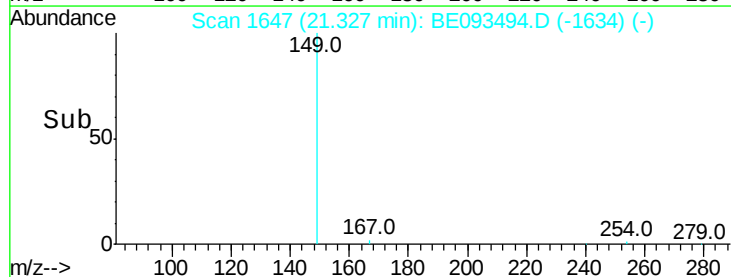
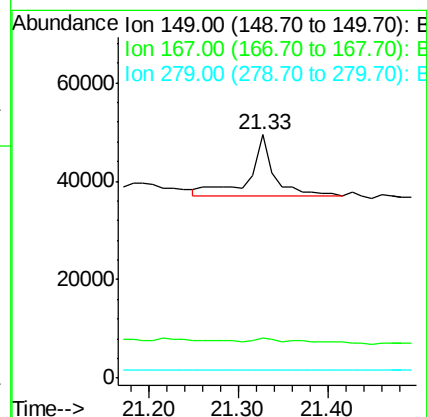
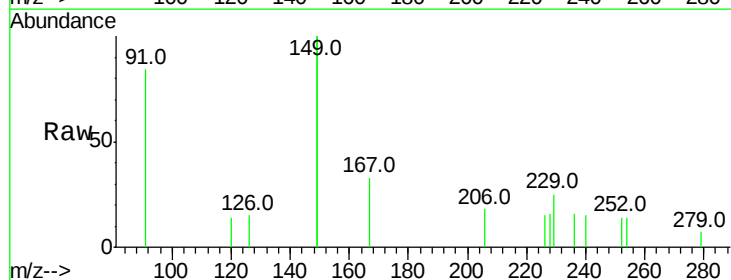
Tgt Ion:149 Resp: 24483

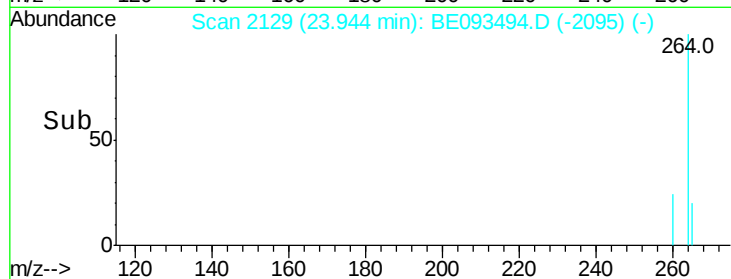
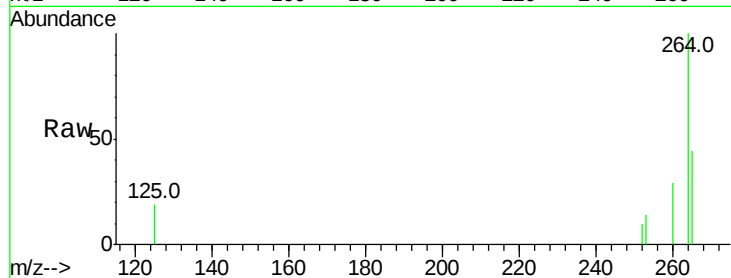
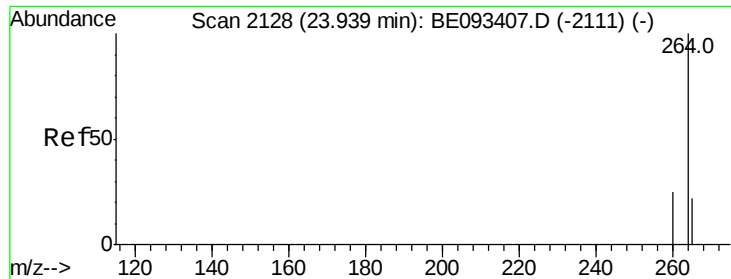
Ion Ratio Lower Upper

149 100

167 17.2 20.1 30.1#

279 0.8 2.2 3.4#





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. 0.01 min

Lab File: BE093494.D

Acq: 19 Jul 2017 20:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 31393

Ion Ratio Lower Upper

264 100

260 28.5 21.0 31.4

265 43.9 24.6 36.8#

