

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072017\
 Data File : BE093498.D
 Acq On : 20 Jul 2017 13:02
 Operator : SJ/JU
 Sample : I4199-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3577-FB

Quant Time: Jul 20 18:20:08 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

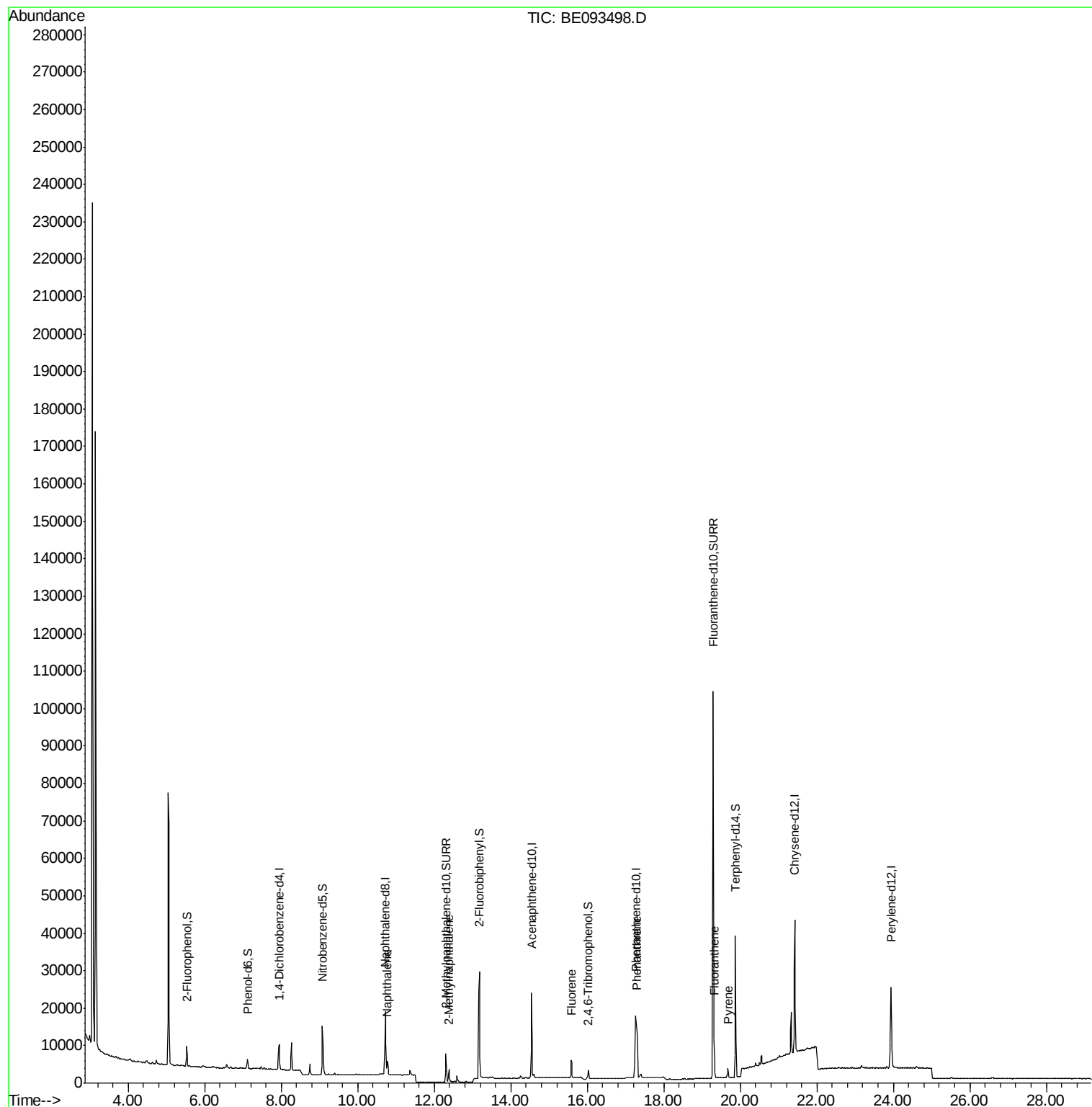
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	3633	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	19837	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	13246	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	32883	0.40	ng	0.00
27) Chrysene-d12	21.43	240	36770	0.40	ng	0.00
34) Perylene-d12	23.94	264	32421	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2692	0.25	ng	0.00
5) Phenol-d6	7.11	99	2859	0.18	ng	0.01
8) Nitrobenzene-d5	9.08	82	5658	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	10726	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	2096	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	31612	0.61	ng	0.00
25) Fluoranthene-d10	19.29	212	132604	0.33	ng	0.00
29) Terphenyl-d14	19.87	244	31122	0.47	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.77	128	6263	0.030	ng	# 77
12) 2-Methylnaphthalene	12.38	142	2393	0.069	ng	99
18) Fluorene	15.58	166	3248	0.059	ng	# 87
23) Phenanthrene	17.30	178	17023	0.142	ng	97
26) Fluoranthene	19.32	202	6527	0.058	ng	98
28) Pyrene	19.67	202	2384	0.023	ng	# 90

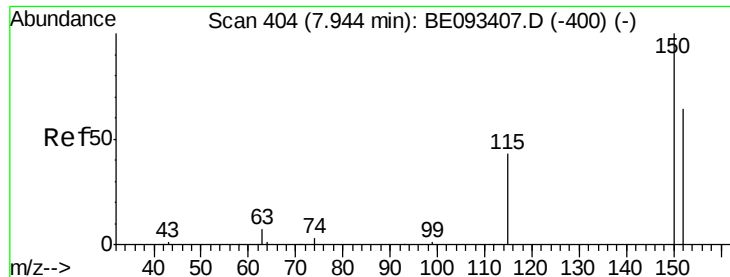
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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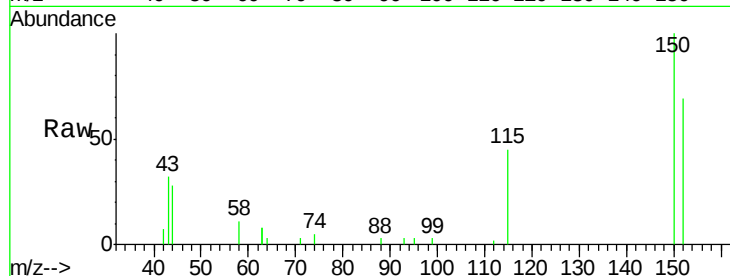


#1

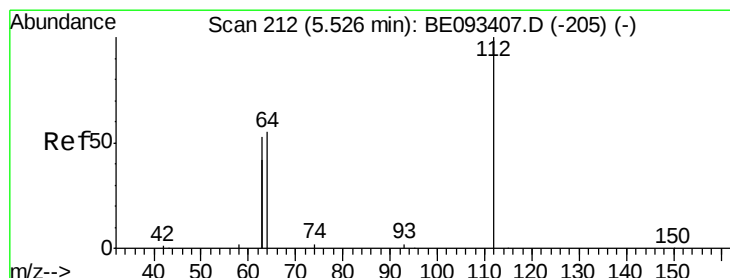
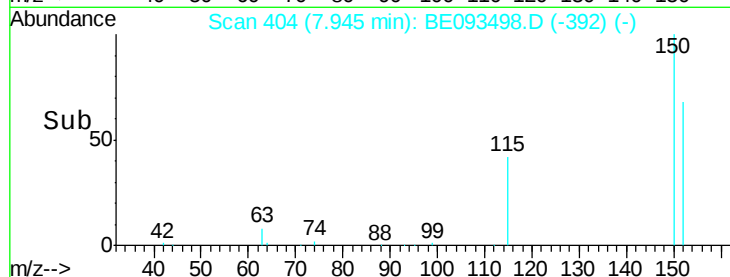
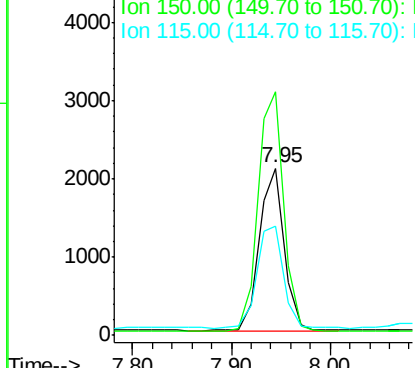
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BE093498.D
Acq: 20 Jul 2017 13:02

Instrument :
BNA_E
ClientSampleId :
3577-FB

Tgt Ion:152 Resp: 3633
Ion Ratio Lower Upper
152 100
150 145.6 125.1 187.7
115 65.1 55.7 83.5



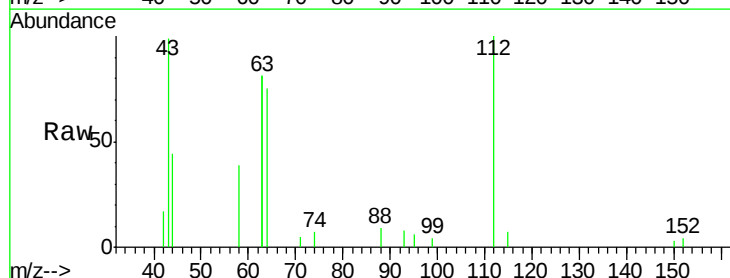
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



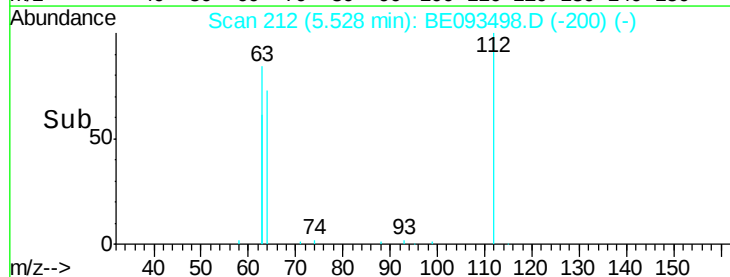
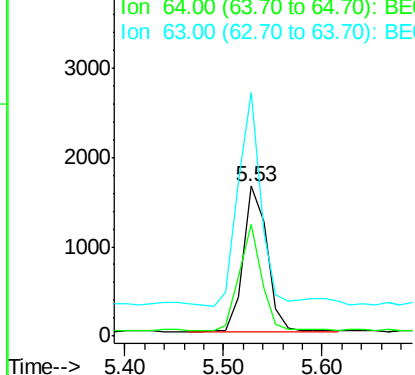
#4

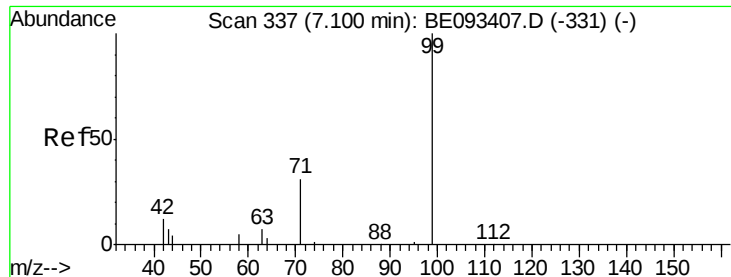
2-Fluorophenol
Concen: 0.245 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE093498.D
Acq: 20 Jul 2017 13:02

Tgt Ion:112 Resp: 2692
Ion Ratio Lower Upper
112 100
64 68.2 56.4 84.6
63 136.9 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: 0.177 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.01 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

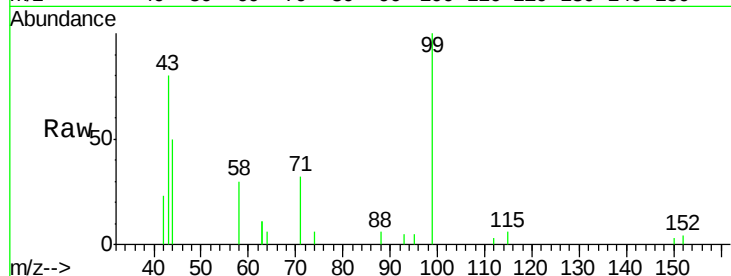
Tgt Ion: 99 Resp: 2859

Ion Ratio Lower Upper

99 100

42 21.4 0.0 0.0#

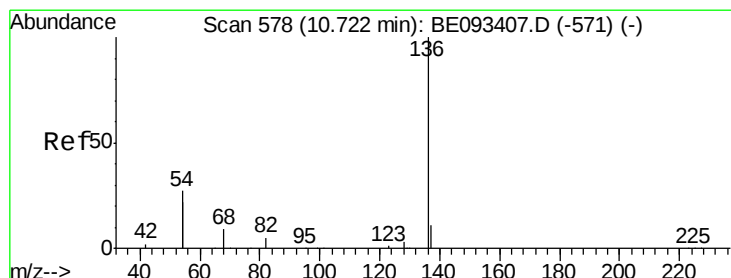
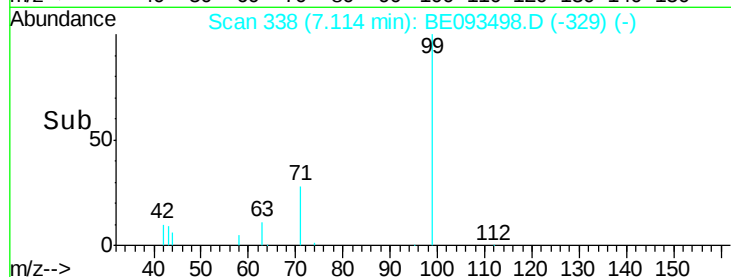
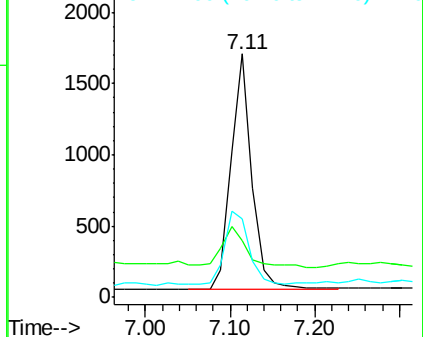
71 35.3 0.0 0.0#



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: BE093498.D

Acq: 20 Jul 2017 13:02

Tgt Ion: 136 Resp: 19837

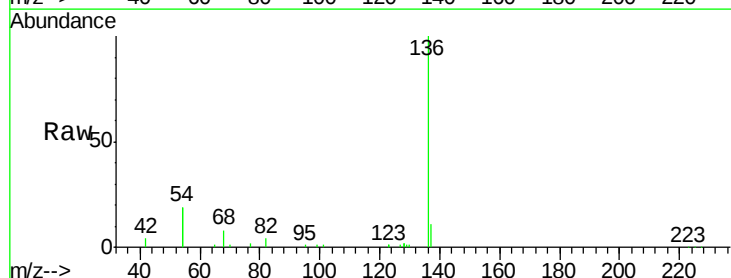
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 37.6 10.3 15.5#

68 7.8 9.0 13.4#

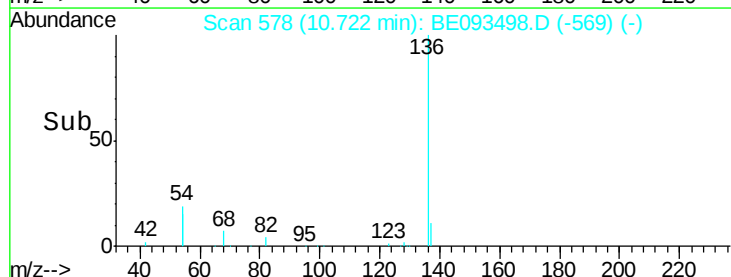
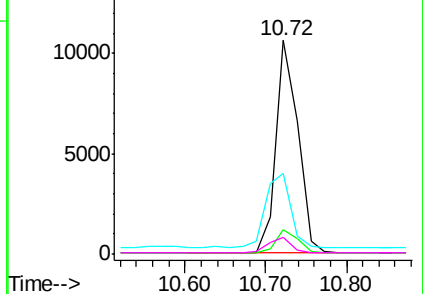


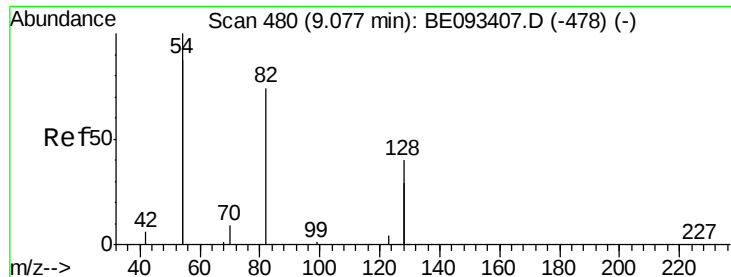
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.447 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

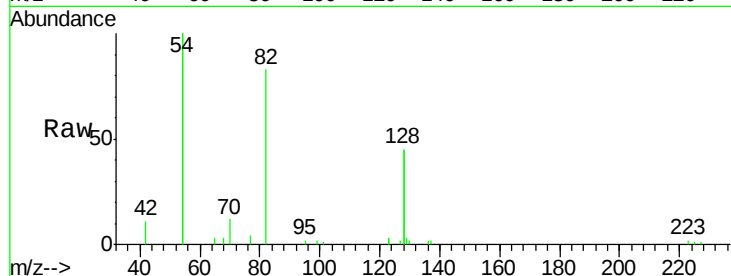
Tgt Ion: 82 Resp: 5658

Ion Ratio Lower Upper

82 100

128 108.0 17.0 25.4#

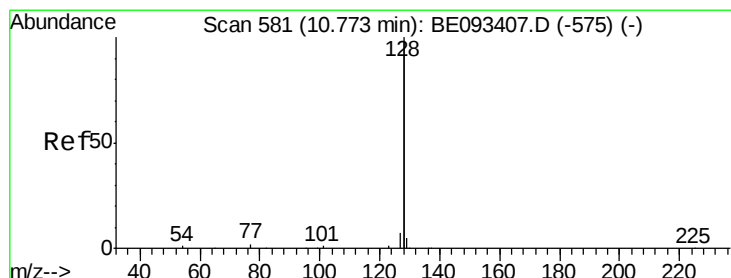
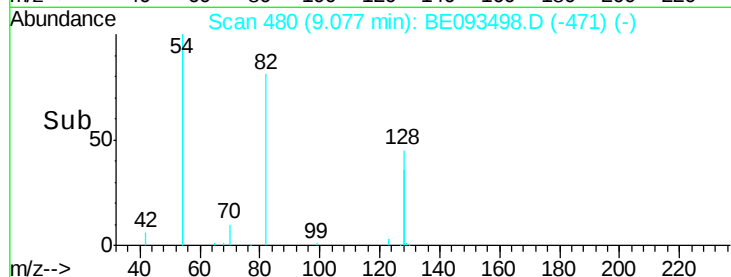
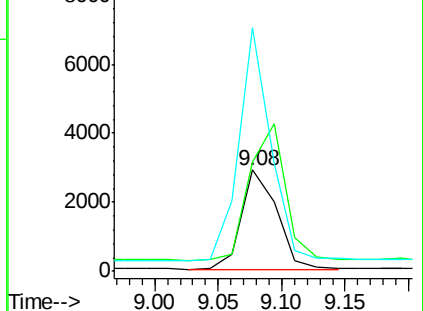
54 240.6 53.8 80.6#



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



#9

Naphthalene

Concen: 0.030 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

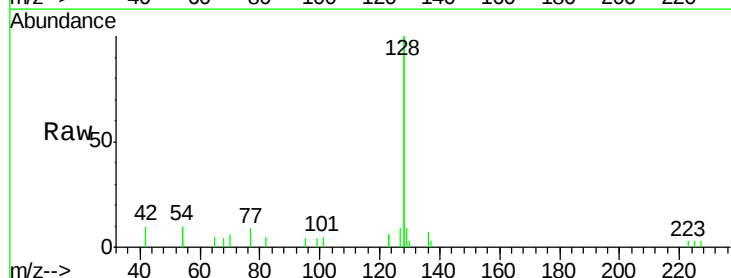
Tgt Ion: 128 Resp: 6263

Ion Ratio Lower Upper

128 100

129 4.6 11.4 17.0#

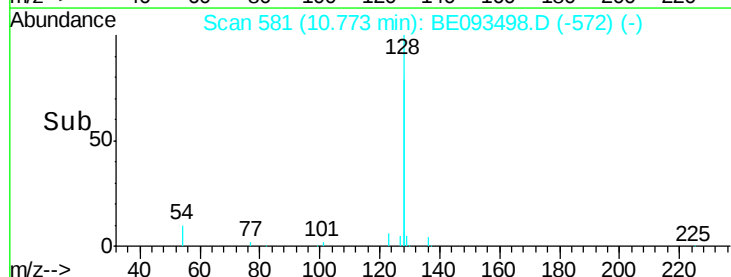
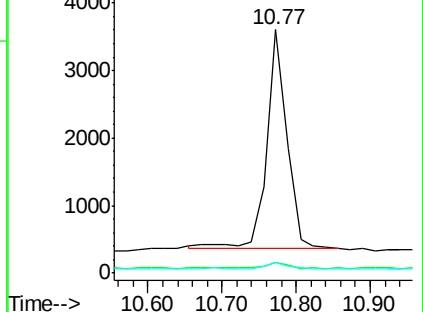
127 4.5 11.2 16.8#

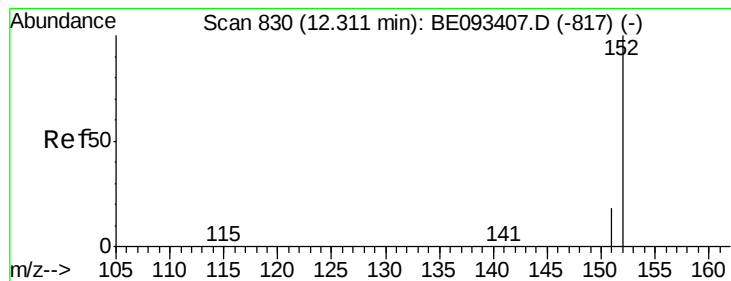


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.339 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

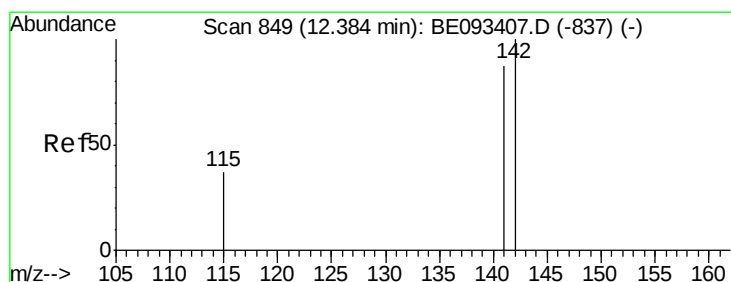
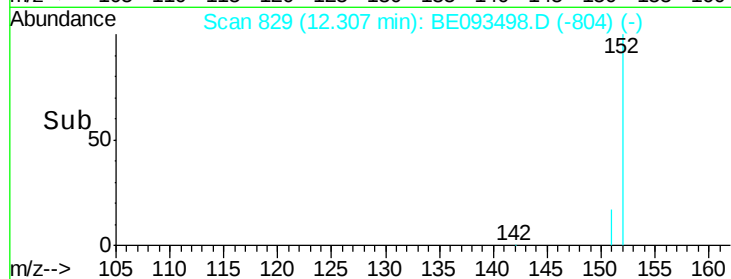
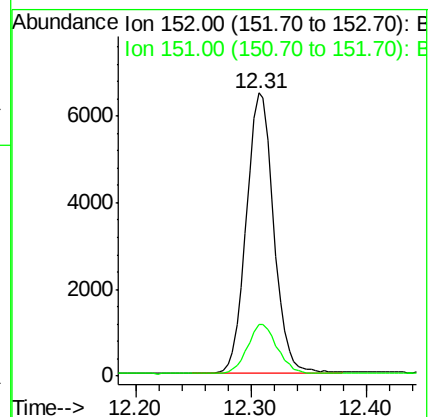
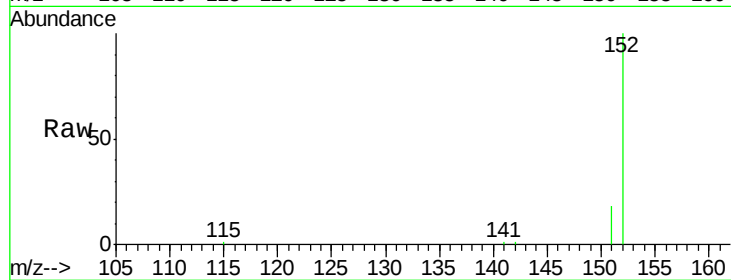
3577-FB

Tgt Ion:152 Resp: 10726

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.069 ng

RT: 12.38 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

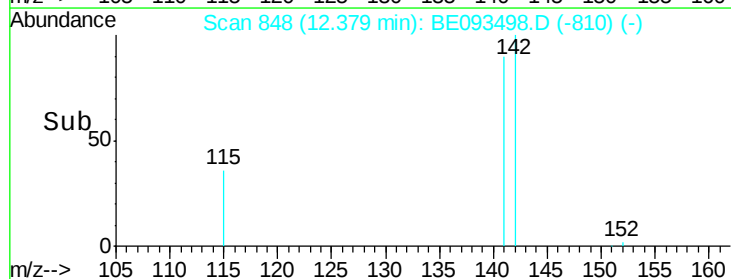
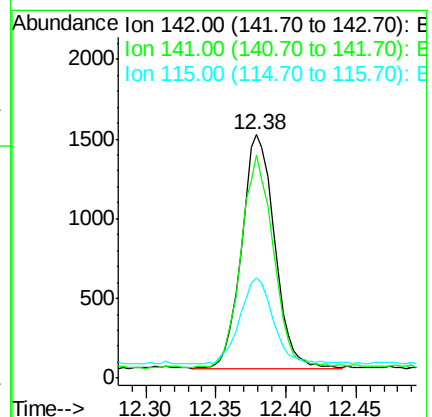
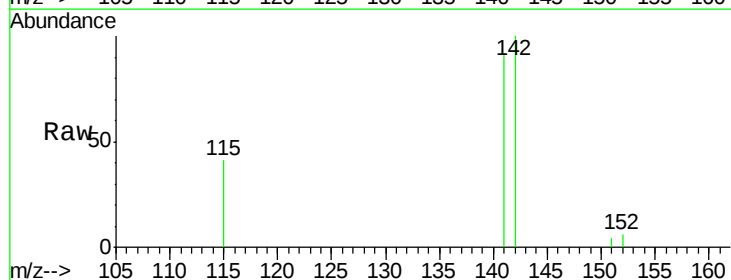
Tgt Ion:142 Resp: 2393

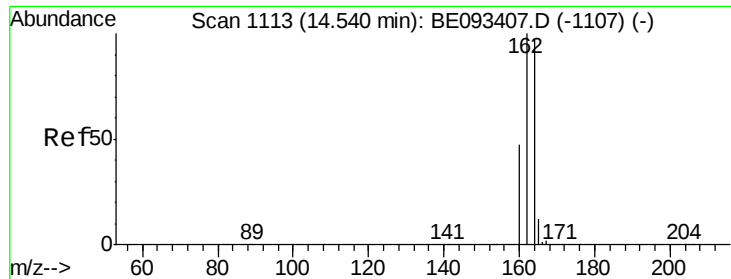
Ion Ratio Lower Upper

142 100

141 91.4 72.6 108.8

115 41.2 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

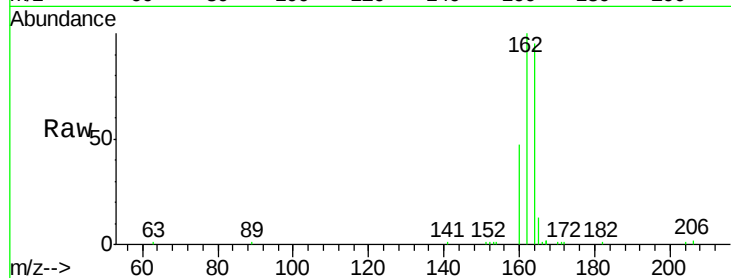
Tgt Ion:164 Resp: 13246

Ion Ratio Lower Upper

164 100

162 105.0 84.6 127.0

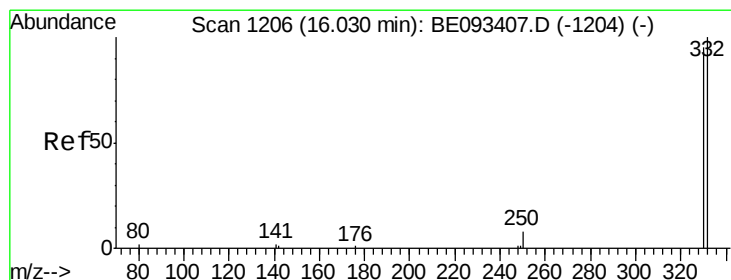
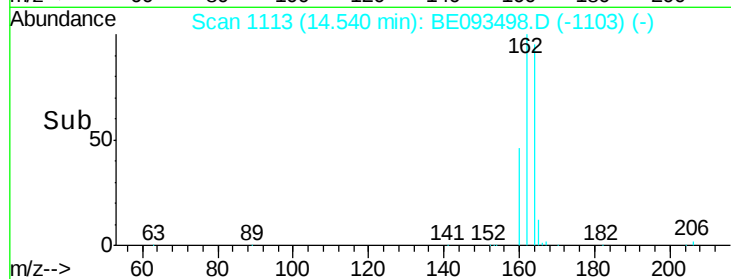
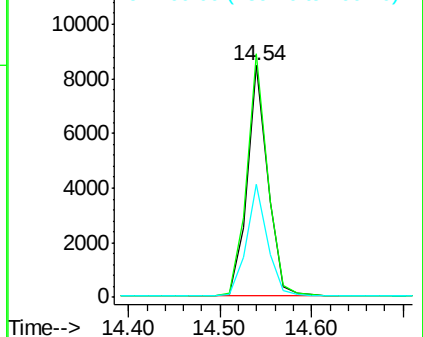
160 49.0 41.8 62.6



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: 0.503 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

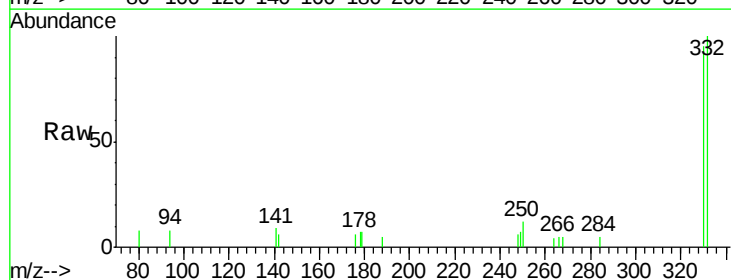
Tgt Ion:330 Resp: 2096

Ion Ratio Lower Upper

330 100

332 104.2 77.7 116.5

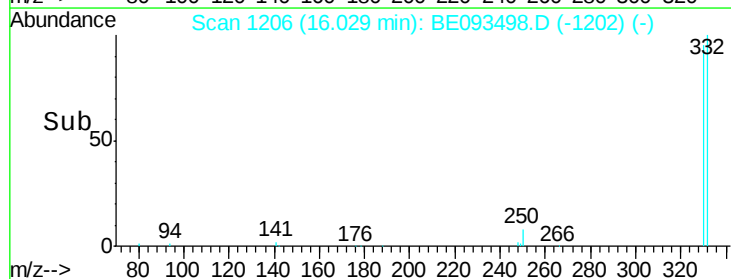
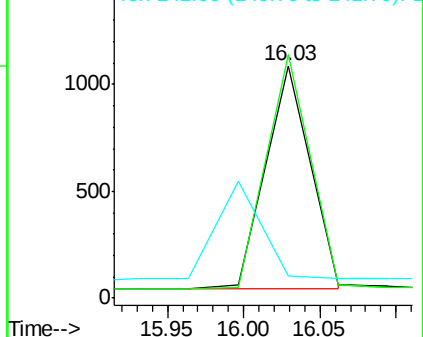
141 0.0 56.2 84.4#

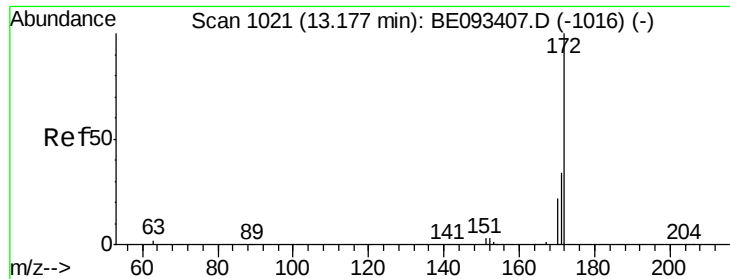


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

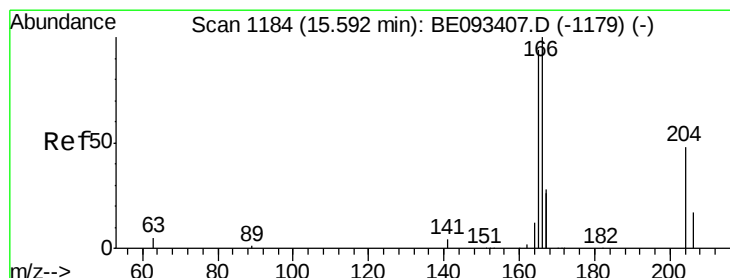
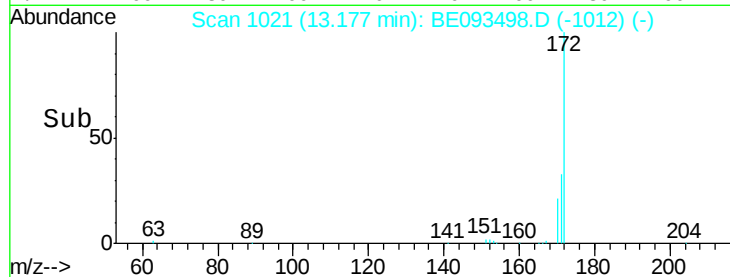
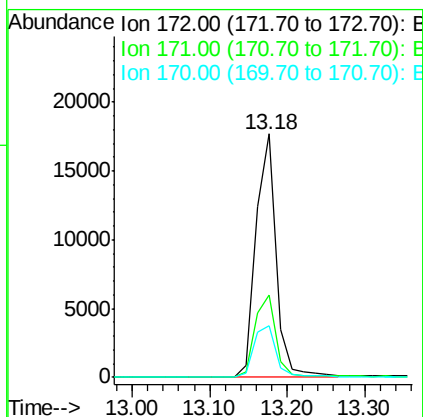
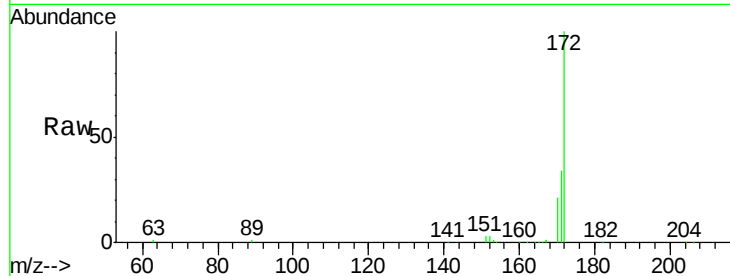




#15
2-Fluorobiphenyl
Concen: 0.615 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093498.D
Acq: 20 Jul 2017 13:02

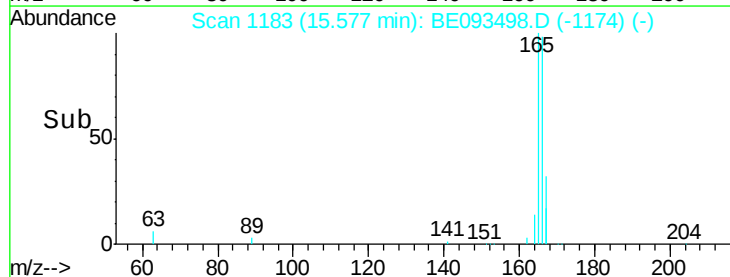
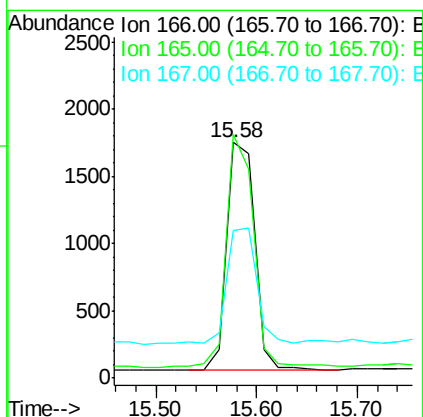
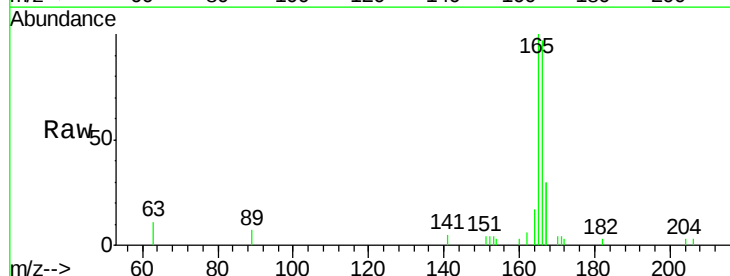
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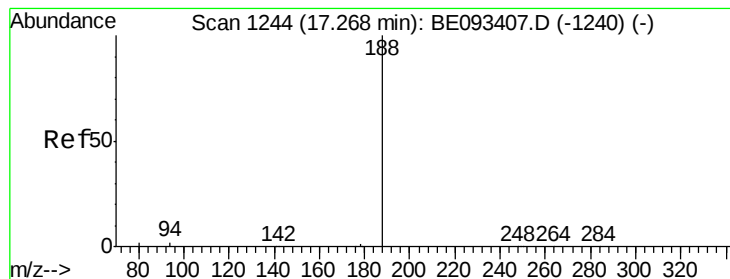
Tgt Ion:172 Resp: 31612
Ion Ratio Lower Upper
172 100
171 33.6 29.8 44.6
170 21.3 20.7 31.1



#18
Fluorene
Concen: 0.059 ng
RT: 15.58 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BE093498.D
Acq: 20 Jul 2017 13:02

Tgt Ion:166 Resp: 3248
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 54.5 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: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

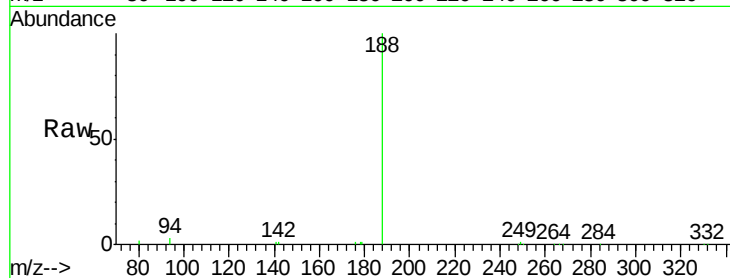
Tgt Ion:188 Resp: 32883

Ion Ratio Lower Upper

188 100

94 2.5 11.3 16.9#

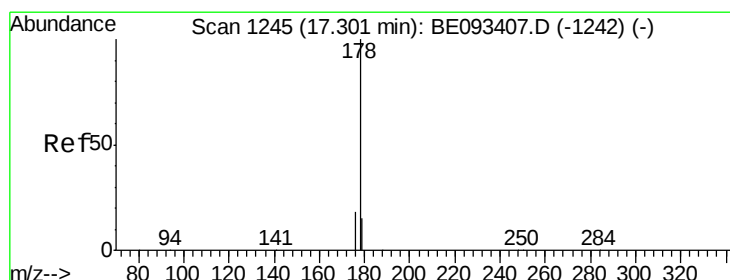
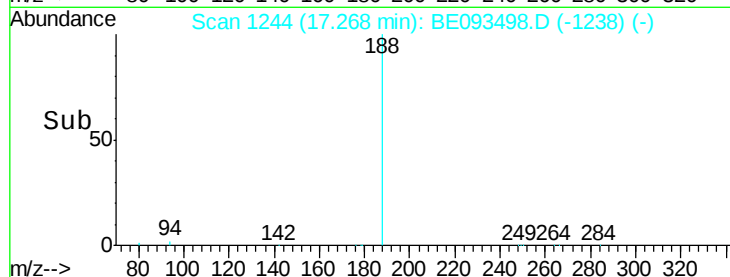
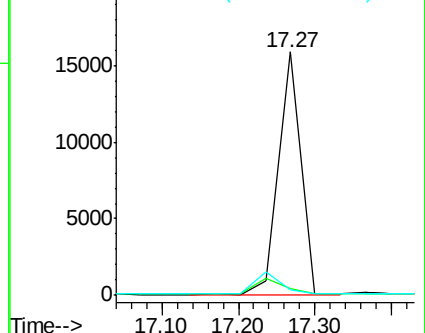
80 2.0 11.7 17.5#



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



#23

Phenanthrene

Concen: 0.142 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

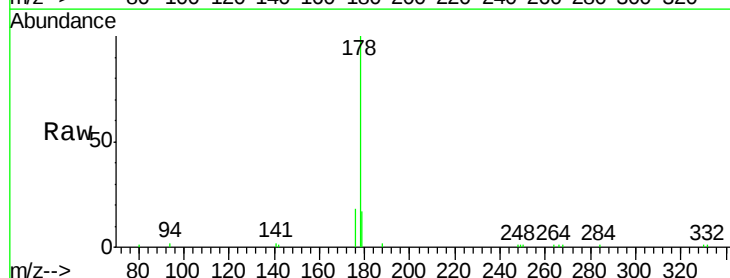
Tgt Ion:178 Resp: 17023

Ion Ratio Lower Upper

178 100

176 16.7 15.0 22.4

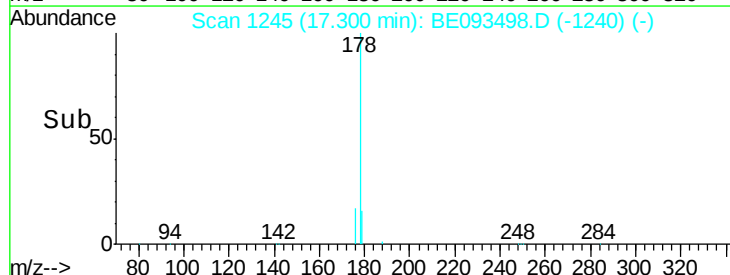
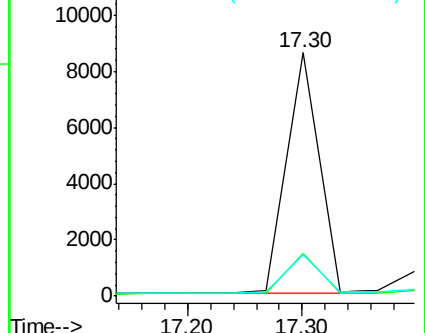
179 16.2 12.7 19.1

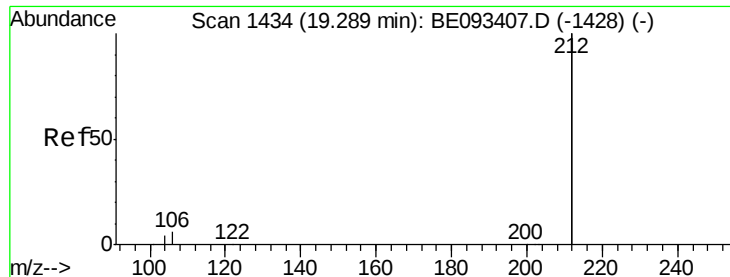


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

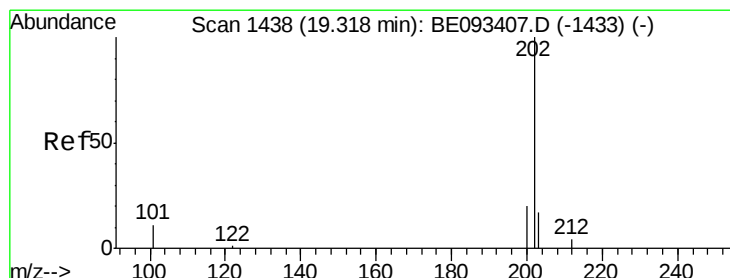
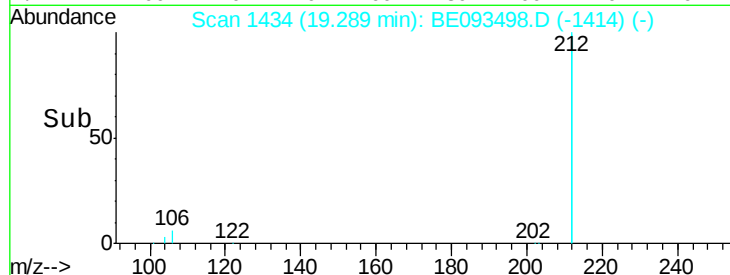
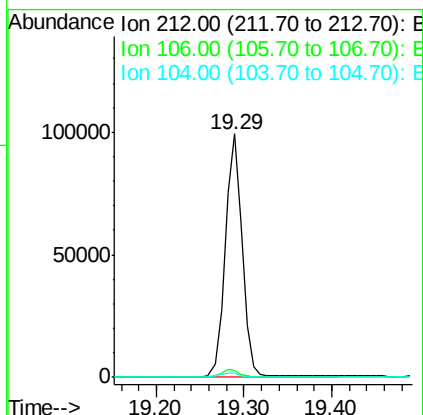
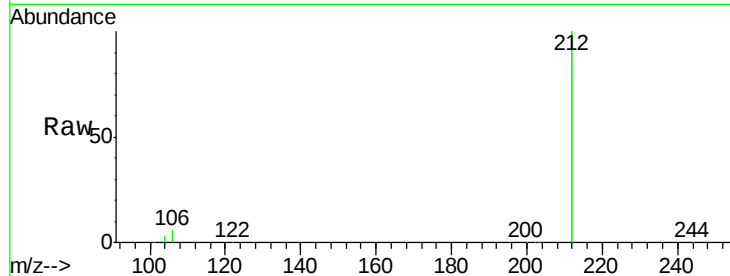




#25
 Fluoranthene-d10
 Concen: 0.334 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: BE093498.D
 Acq: 20 Jul 2017 13:02

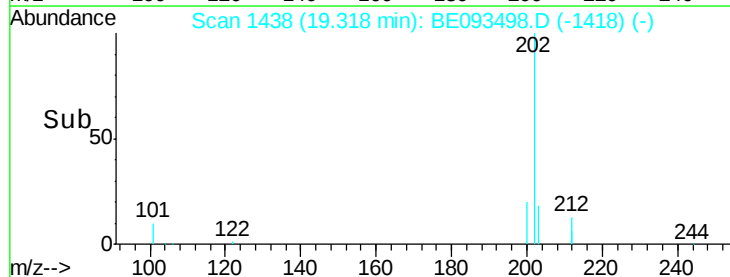
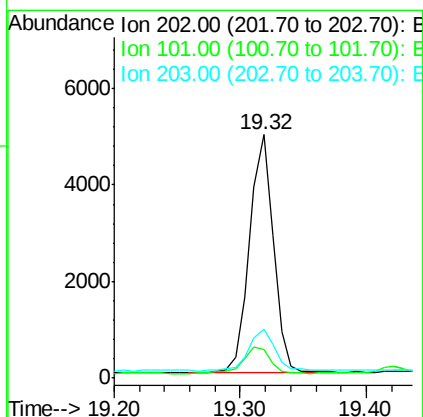
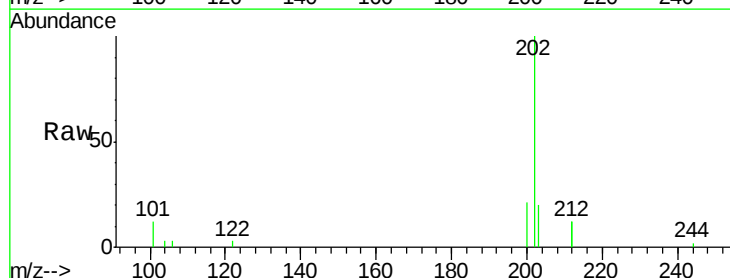
Instrument :
 BNA_E
 ClientSampleId :
 3577-FB

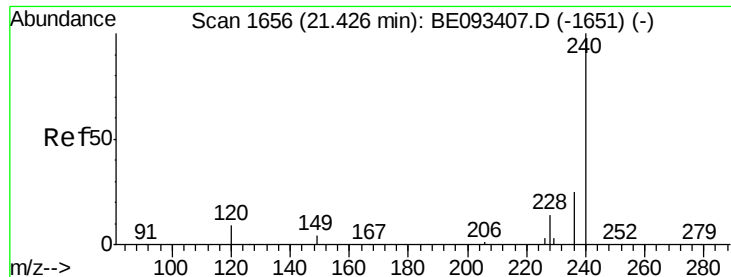
Tgt Ion: 212 Resp: 132604
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.4 3.6
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.058 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BE093498.D
 Acq: 20 Jul 2017 13:02

Tgt Ion: 202 Resp: 6527
 Ion Ratio Lower Upper
 202 100
 101 12.4 9.6 14.4
 203 18.9 14.4 21.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

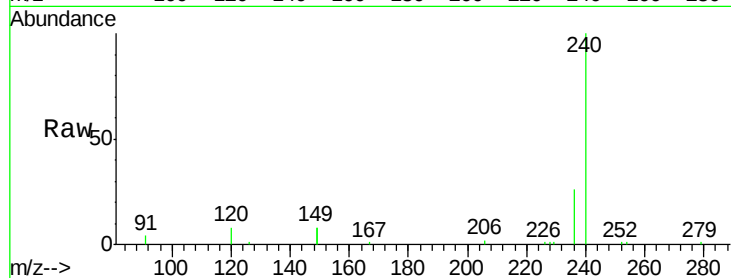
Tgt Ion:240 Resp: 36770

Ion Ratio Lower Upper

240 100

120 8.5 4.6 7.0#

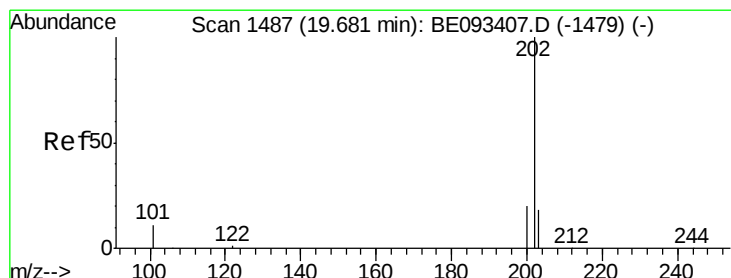
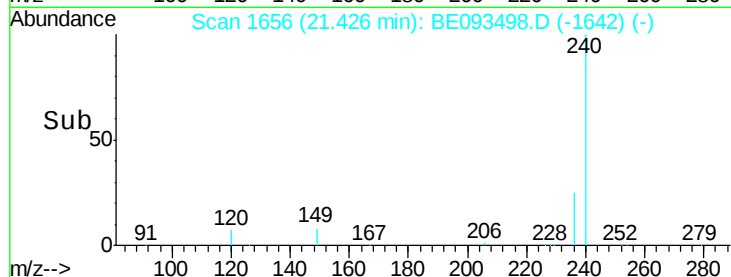
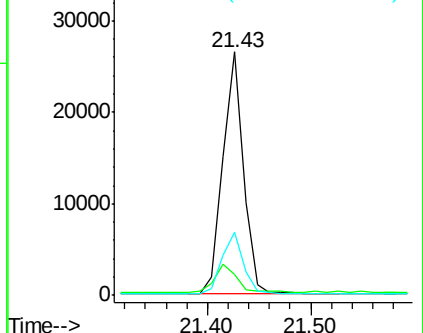
236 25.8 20.8 31.2



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: 0.023 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

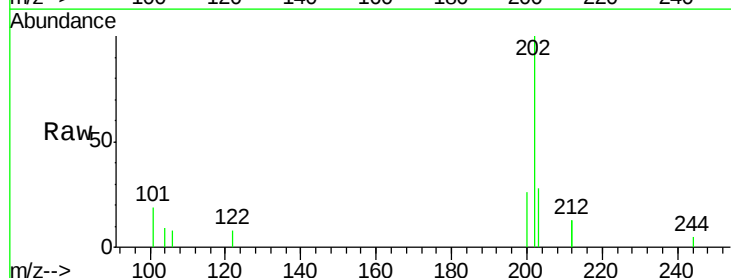
Tgt Ion:202 Resp: 2384

Ion Ratio Lower Upper

202 100

200 22.2 0.0 0.0#

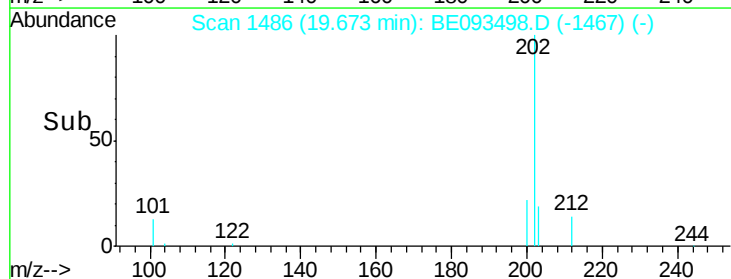
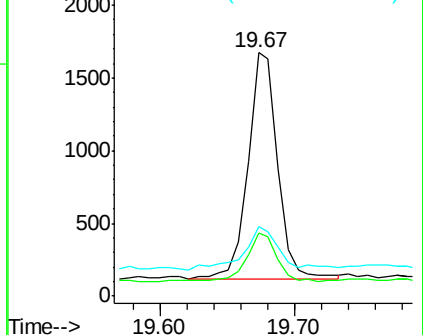
203 21.4 13.7 20.5#

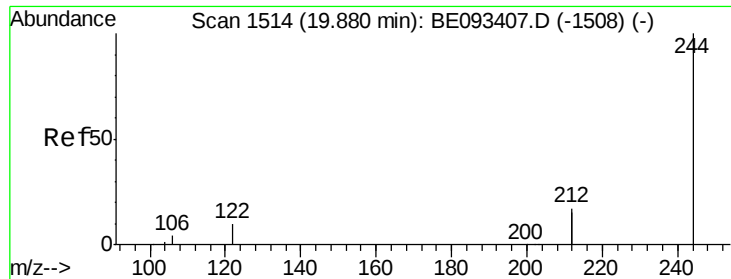


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.474 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Instrument :

BNA_E

ClientSampleId :

3577-FB

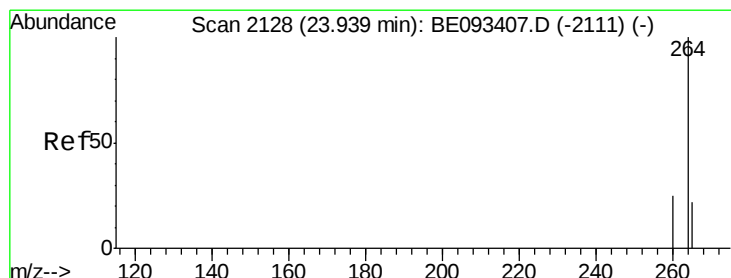
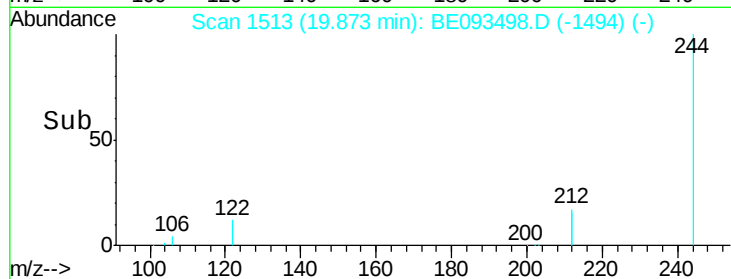
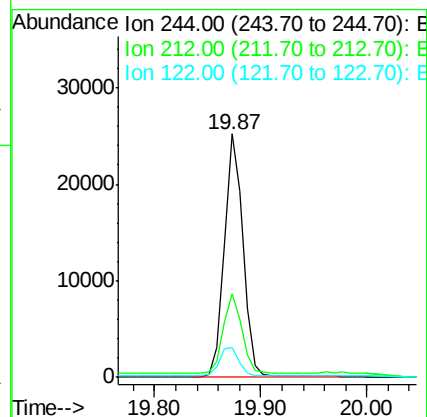
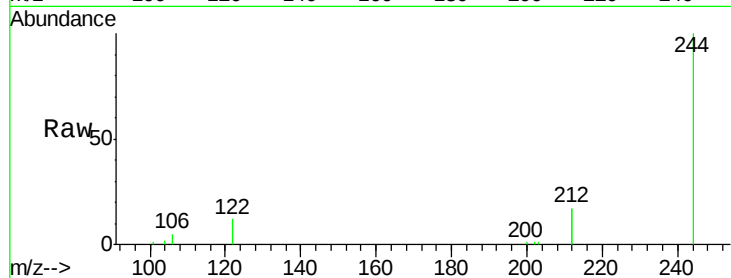
Tgt Ion:244 Resp: 31122

Ion Ratio Lower Upper

244 100

212 34.4 10.6 16.0#

122 12.1 15.4 23.0#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE093498.D

Acq: 20 Jul 2017 13:02

Tgt Ion:264 Resp: 32421

Ion Ratio Lower Upper

264 100

260 24.9 21.0 31.4

265 34.1 24.6 36.8

