

Data Path : Z:\HPCHEM1\BNA E\DATA\BE071917\
 Data File : BE093482.D
 Acq On : 19 Jul 2017 13:29
 Operator : SJ/JU
 Sample : I4205-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 12:01:37 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	7.94	152	4558	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	26264	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	24515	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	39472	0.40	ng	0.00
27) Chrysene-d12	21.42	240	35358	0.40	ng	-0.01
34) Perylene-d12	23.93	264	30953	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2535	0.18	ng	0.00
5) Phenol-d6	7.10	99	3672	0.18	ng	0.00
8) Nitrobenzene-d5	9.08	82	18741	1.12	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	19939	0.48	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	3769	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	46038	0.48	ng	0.00
25) Fluoranthene-d10	19.29	212	145637	0.31	ng	0.00
29) Terphenyl-d14	19.87	244	39457	0.62	ng	0.00

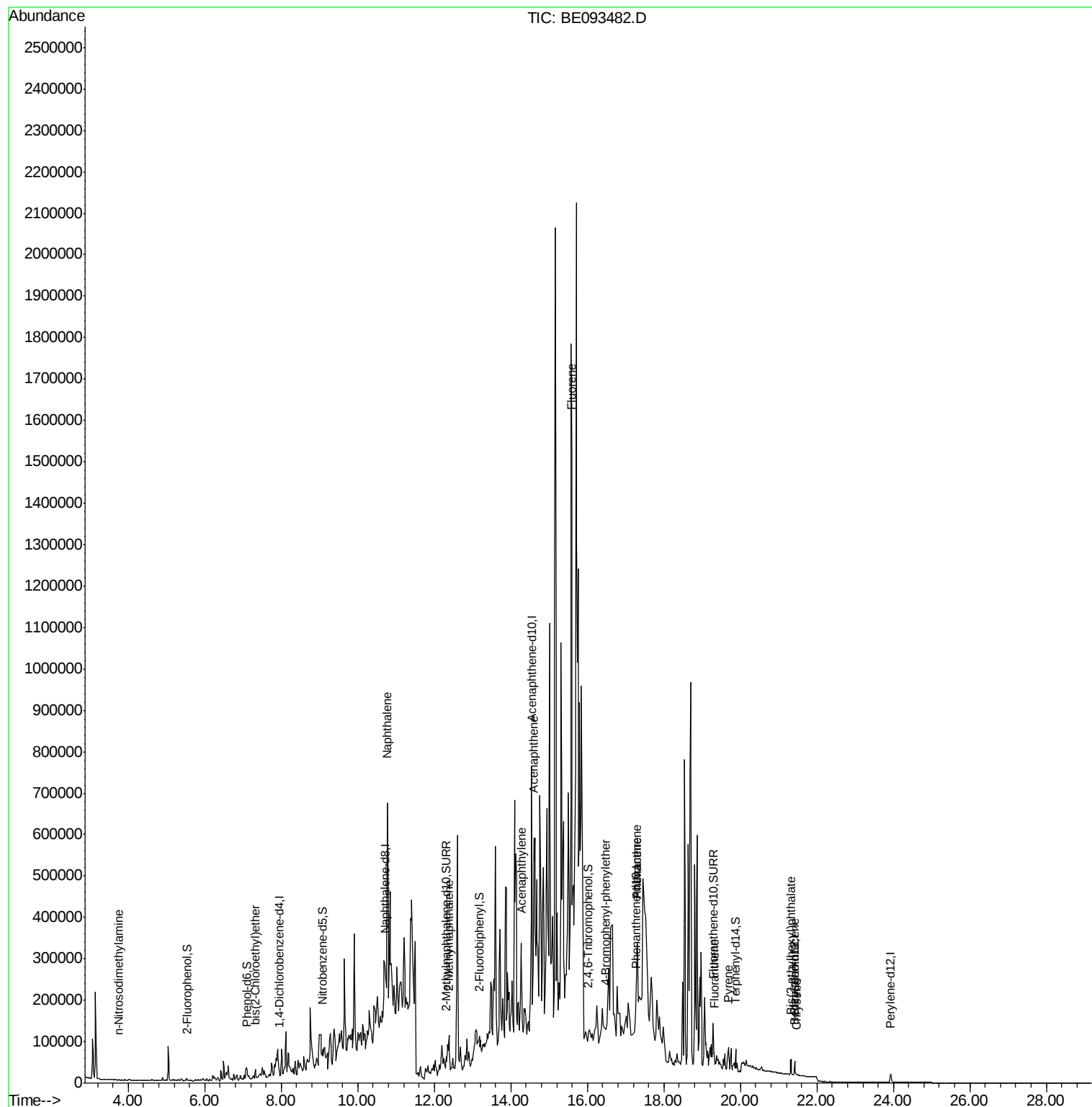
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.74	42	139	0.145	ng	# 1
6) bis(2-Chloroethyl)ether	7.33	93	1141	0.075	ng	# 1
9) Naphthalene	10.77	128	883870	3.213	ng	# 78
12) 2-Methylnaphthalene	12.38	142	58547	1.267	ng	# 77
16) Acenaphthylene	14.27	152	56267	0.551	ng	# 1
17) Acenaphthene	14.60	154	276419	3.695	ng	# 76
18) Fluorene	15.59	166	566463	5.518	ng	# 53
20) 4-Bromophenyl-phenylether	16.48	248	559	0.026	ng	# 1
23) Phenanthrene	17.30	178	397854	2.773	ng	# 80
24) Anthracene	17.30	178	356260	4.050	ng	# 76
26) Fluoranthene	19.31	202	32092	0.238	ng	# 78
28) Pyrene	19.67	202	67576	0.680	ng	# 61
30) Benzo(a)anthracene	21.40	228	3097	0.032	ng	# 10
31) Chrysene	21.46	228	4478	0.045	ng	# 35
32) Bis(2-ethylhexyl)phthalate	21.33	149	51942	0.378	ng	# 69

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampled :

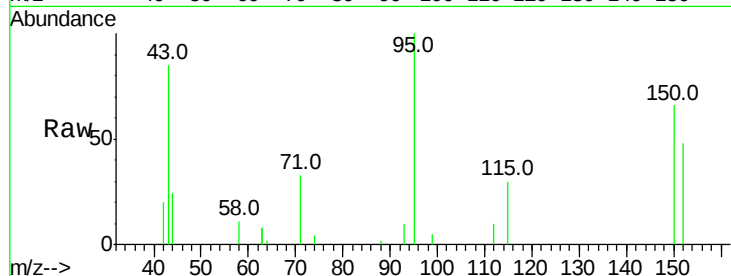
Tot Ion:152 Resp: 4558

Ion Ratio Lower Upper

152 100

150 138.5 125.1 187.7

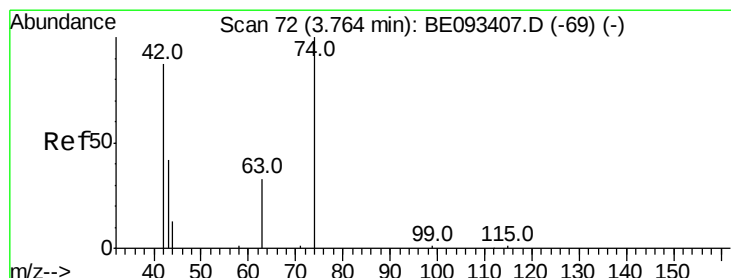
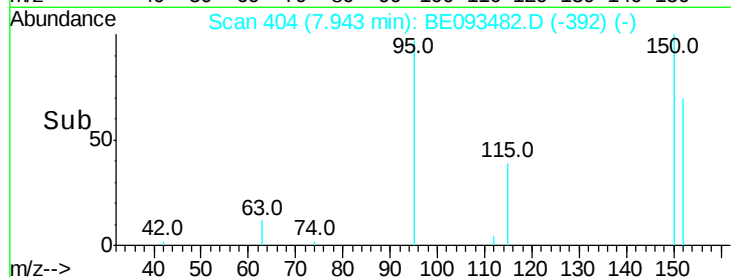
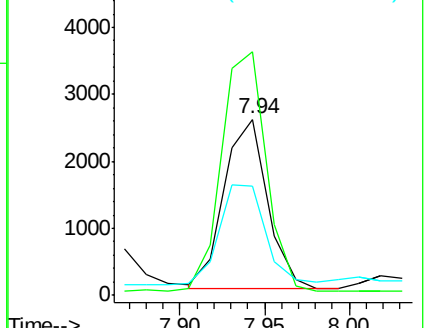
115 61.8 55.7 83.5



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



#3

n-Nitrosodimethylamine

Concen: 0.145 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

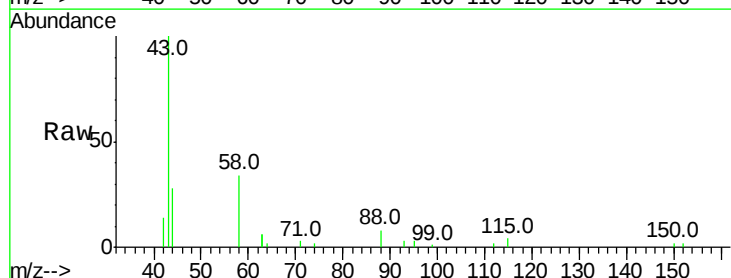
Tgt Ion: 42 Resp: 139

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

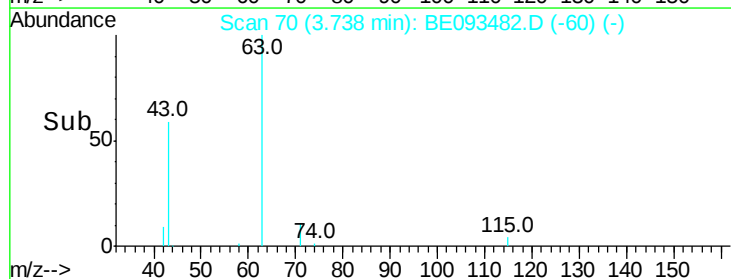
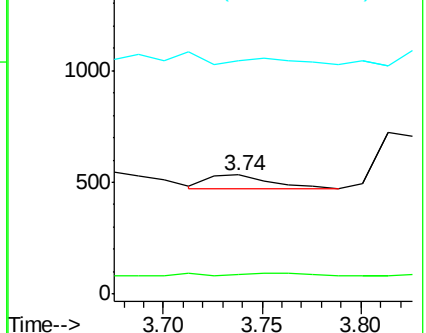
44 0.0 7.4 11.2#

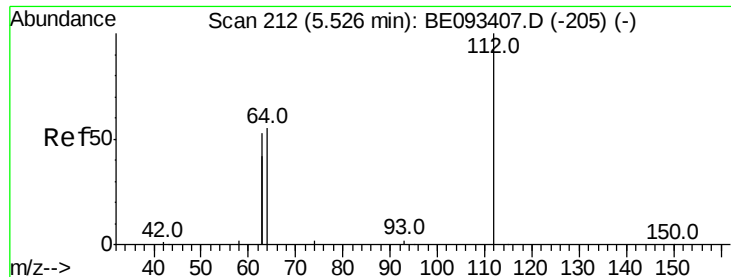


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.184 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

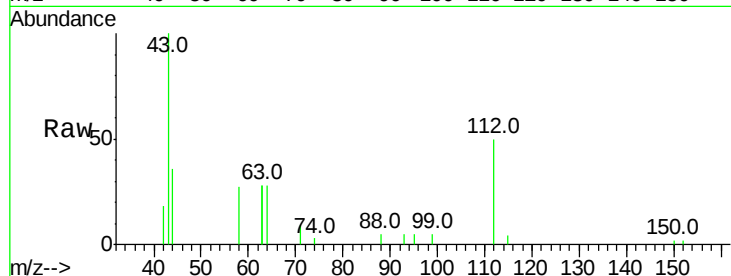
Tot Ion:112 Resp: 2535

Ion Ratio Lower Upper

112 100

64 68.5 56.4 84.6

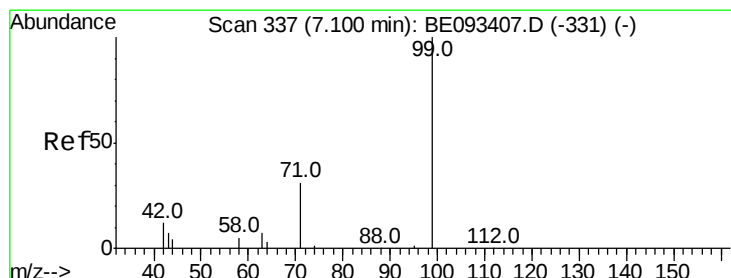
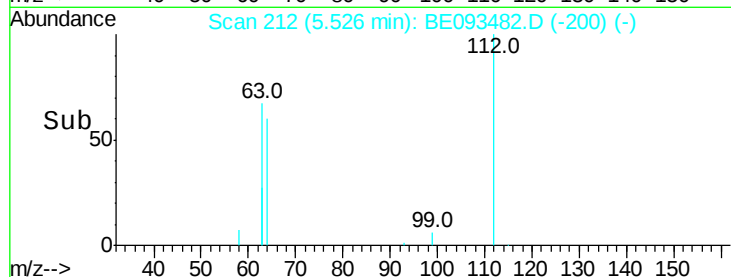
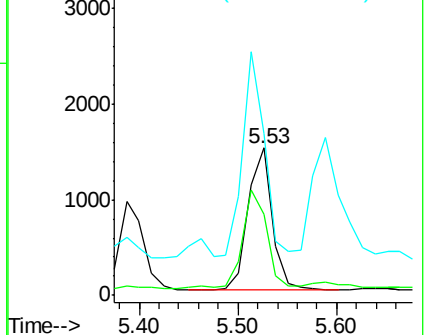
63 126.4 29.3 43.9#



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: 0.181 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

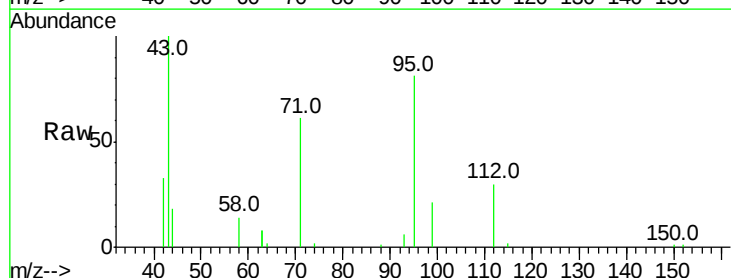
Tgt Ion: 99 Resp: 3672

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

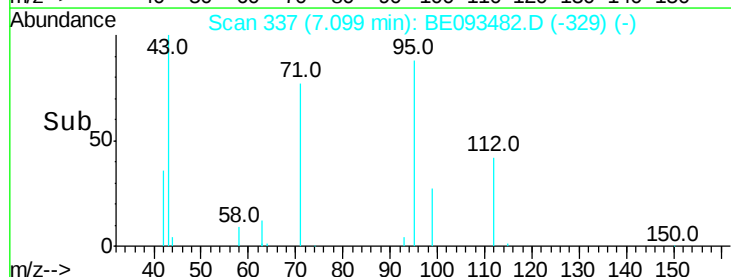
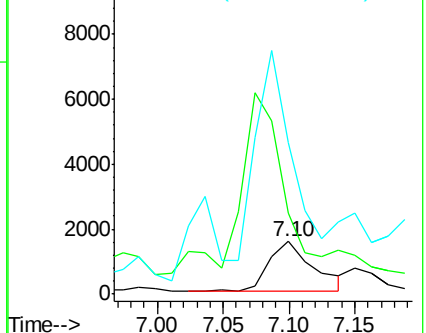
71 331.2 0.0 0.0#

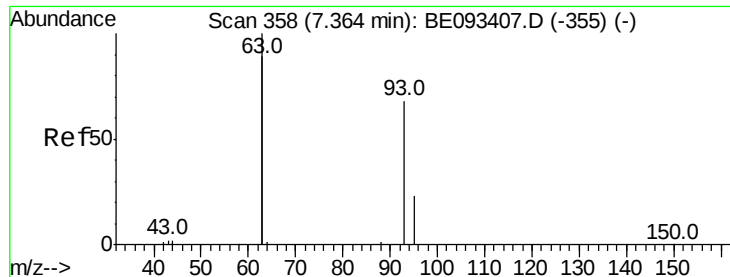


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.075 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.04 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

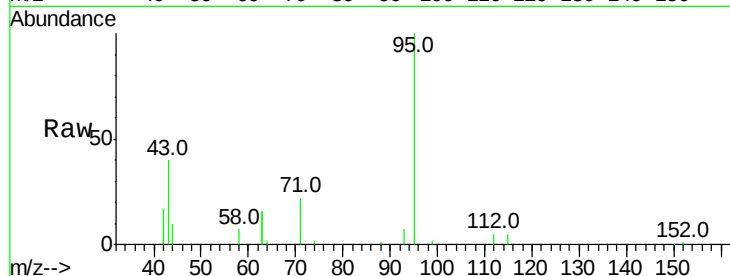
Tot Ion: 93 Resp: 1141

Ion Ratio Lower Upper

93 100

63 494.1 0.0 0.0#

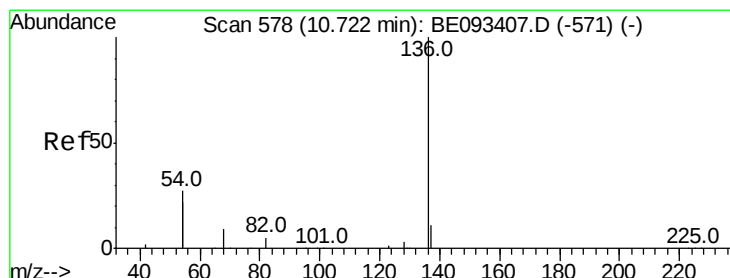
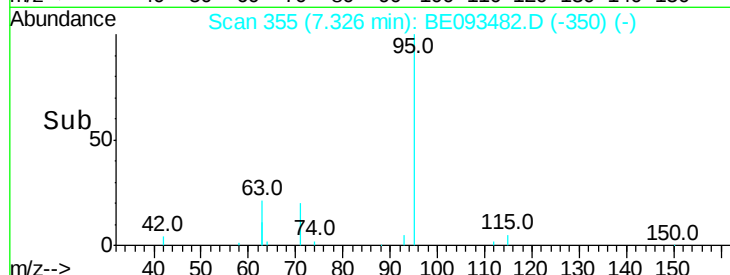
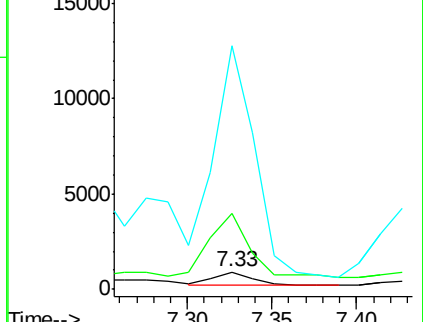
95 1760.0 25.4 38.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Tgt Ion: 136 Resp: 26264

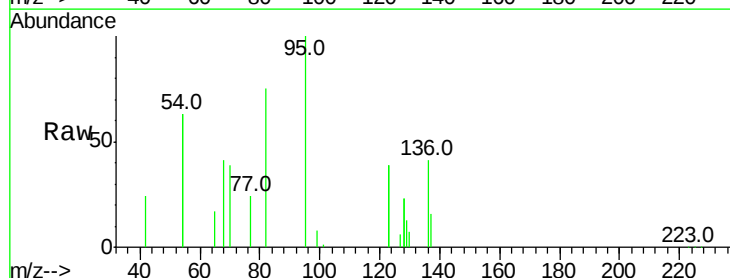
Ion Ratio Lower Upper

136 100

137 38.4 9.8 14.8#

54 306.5 10.3 15.5#

68 100.6 9.0 13.4#

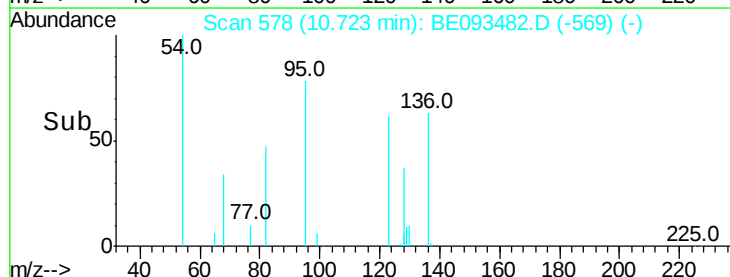
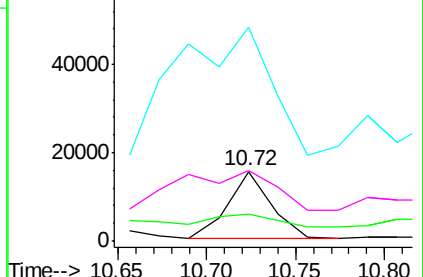


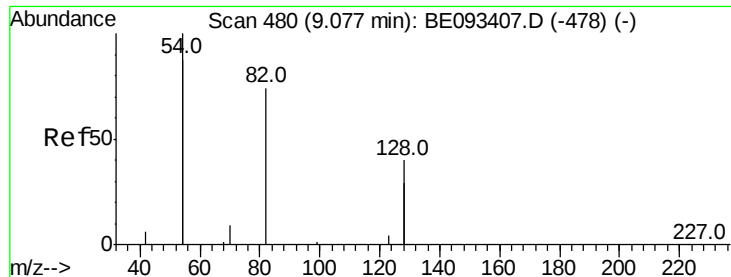
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.117 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampled :

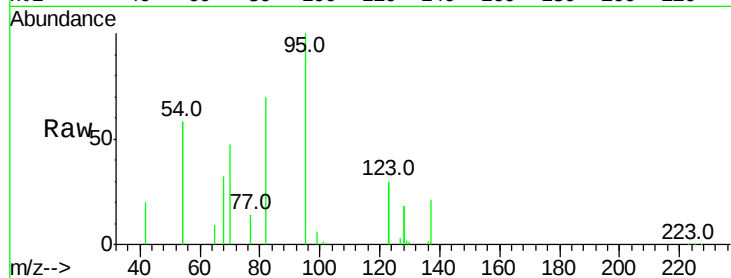
Tot Ion: 82 Resp: 18741

Ion Ratio Lower Upper

82 100

128 53.2 17.0 25.4#

54 166.6 53.8 80.6#

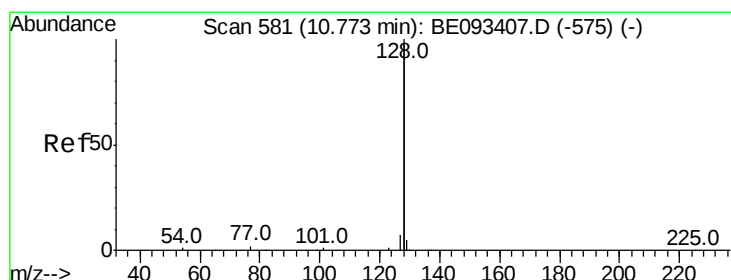
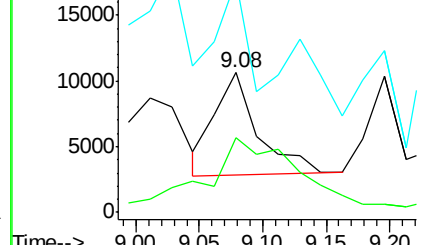
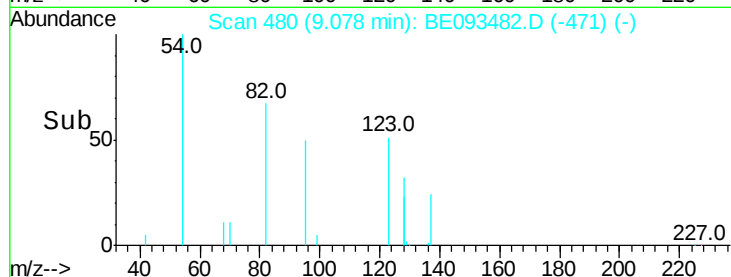


Abundance Ion 82.00 (81.70 to 82.70): BE093407.D (-478) (-)

Ion 128.00 (127.70 to 128.70): BE093407.D (-478) (-)

Ion 54.00 (53.70 to 54.70): BE093407.D (-478) (-)

Time-->



#9

Naphthalene

Concen: 3.213 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

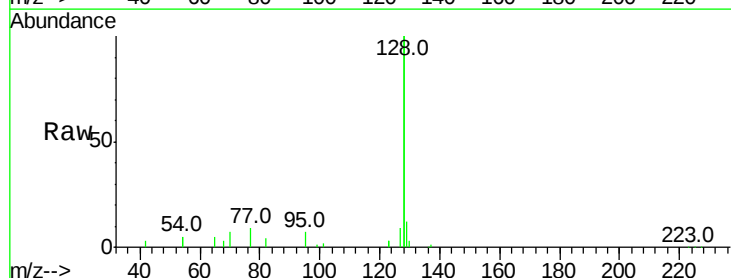
Tgt Ion: 128 Resp: 883870

Ion Ratio Lower Upper

128 100

129 6.0 11.4 17.0#

127 4.4 11.2 16.8#

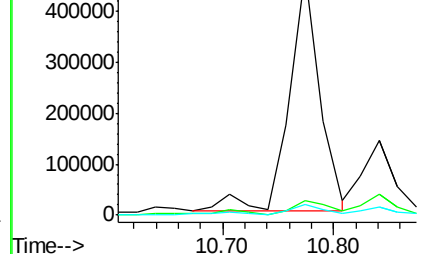
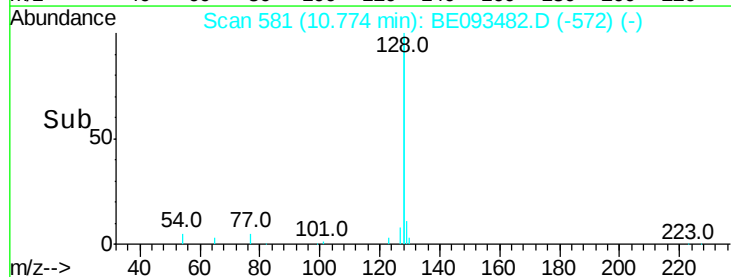


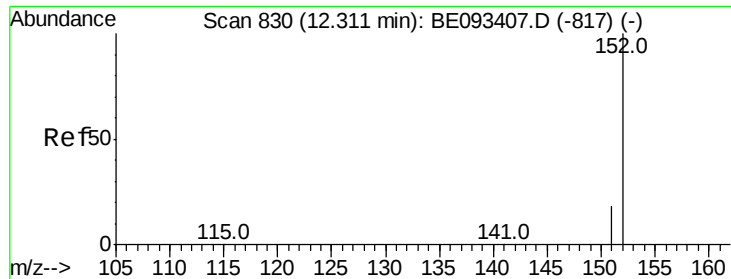
Abundance Ion 128.00 (127.70 to 128.70): BE093407.D (-575) (-)

Ion 129.00 (128.70 to 129.70): BE093407.D (-575) (-)

Ion 127.00 (126.70 to 127.70): BE093407.D (-575) (-)

Time-->

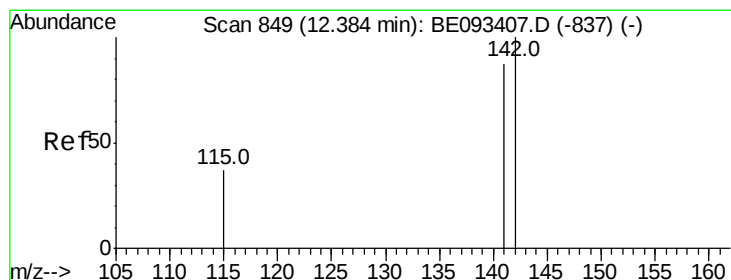
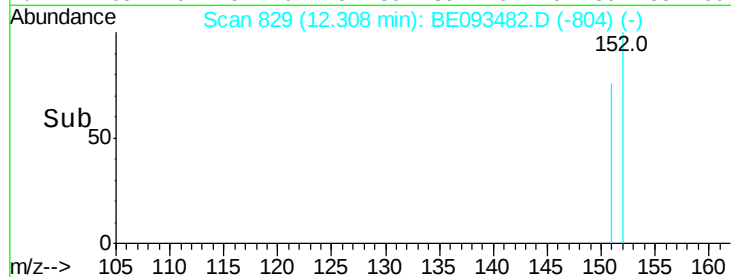
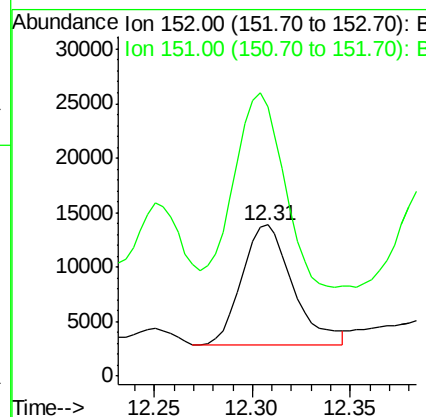
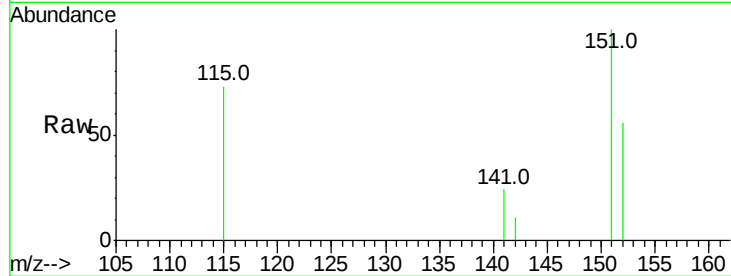




#11
 2-Methylnaphthalene-d10
 Concen: 0.476 ng
 RT: 12.31 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BE093482.D
 Acq: 19 Jul 2017 13:29

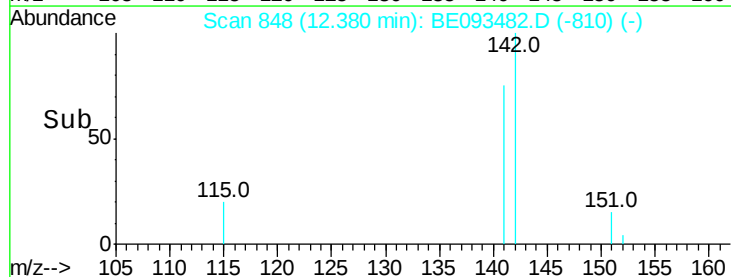
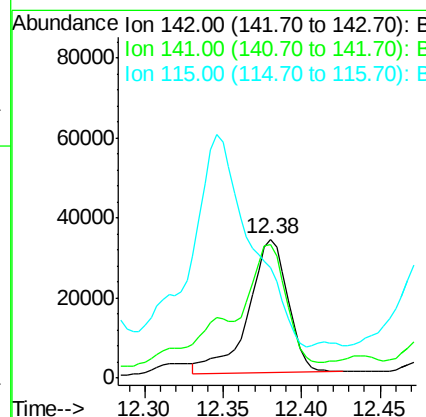
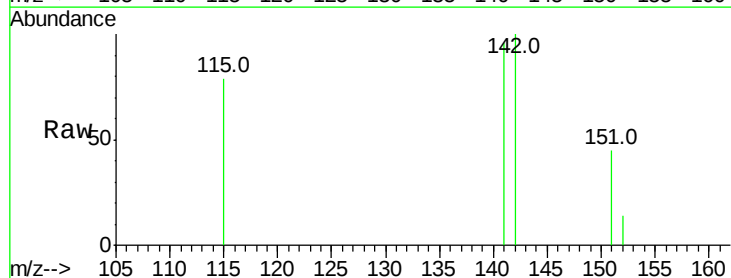
Instrument :
 BNA_E
 ClientSampleId :

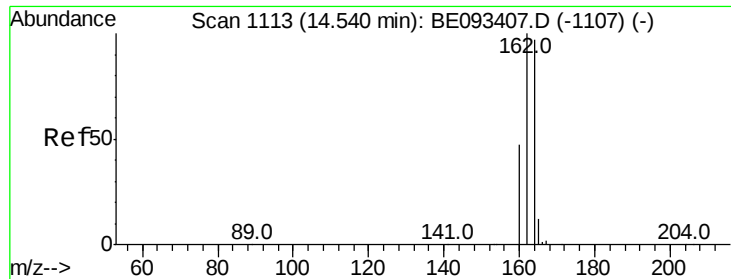
Tot Ion:152 Resp: 19939
 Ion Ratio Lower Upper
 152 100
 151 155.9 15.1 22.7#



#12
 2-Methylnaphthalene
 Concen: 1.267 ng
 RT: 12.38 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BE093482.D
 Acq: 19 Jul 2017 13:29

Tgt Ion:142 Resp: 58547
 Ion Ratio Lower Upper
 142 100
 141 96.1 72.6 108.8
 115 79.3 32.2 48.2#

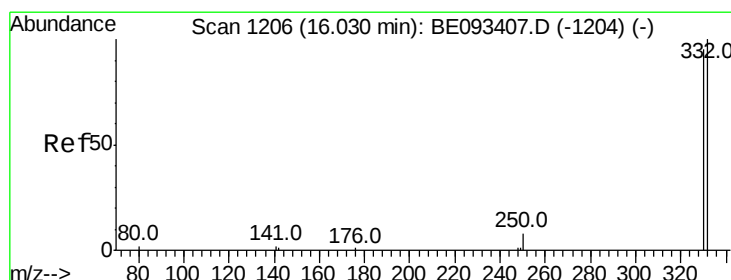
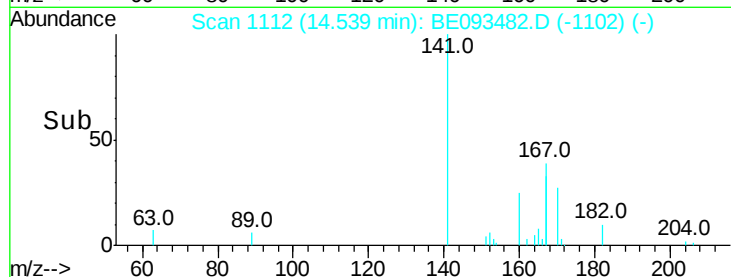
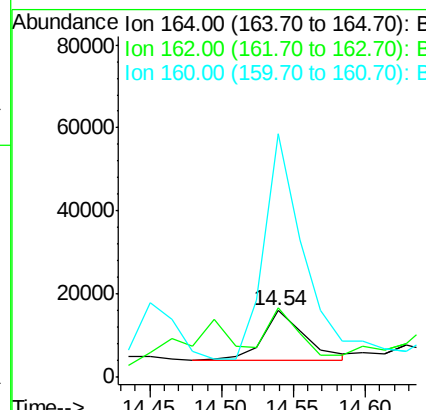
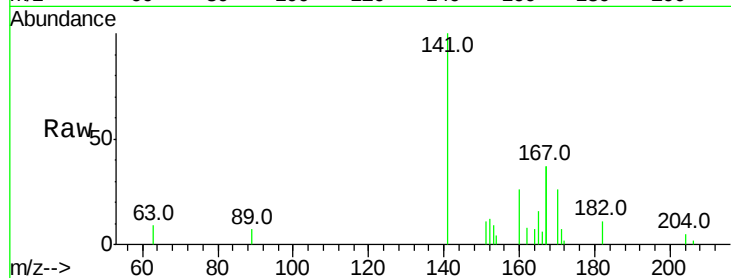




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

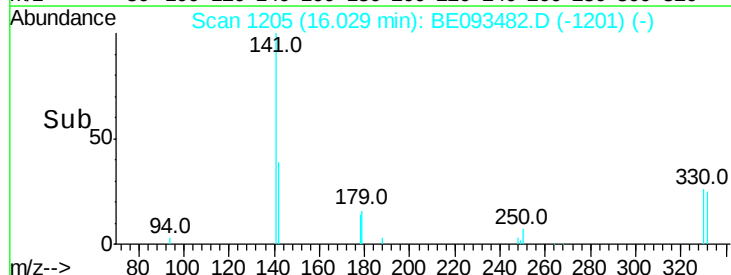
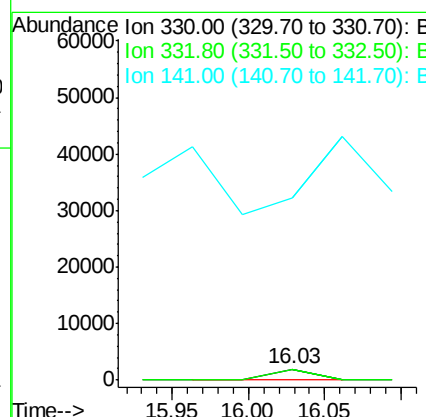
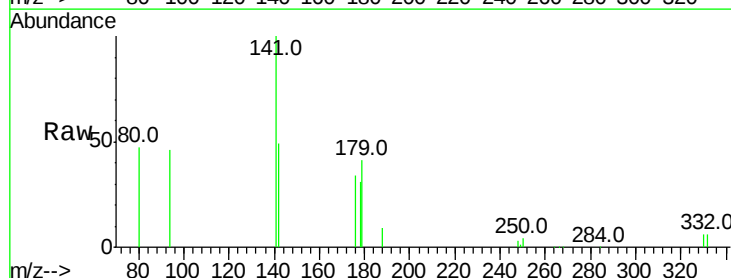
Instrument :
BNA_E
ClientSampleId :

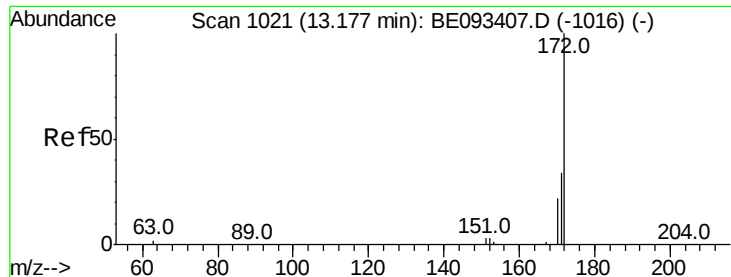
Tot Ion:164 Resp: 24515
Ion Ratio Lower Upper
164 100
162 105.0 84.6 127.0
160 366.1 41.8 62.6#



#14
2,4,6-Tribromophenol
Concen: 0.489 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

Tgt Ion:330 Resp: 3769
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 0.0 56.2 84.4#

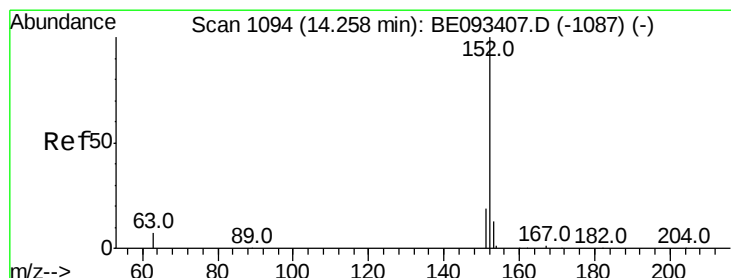
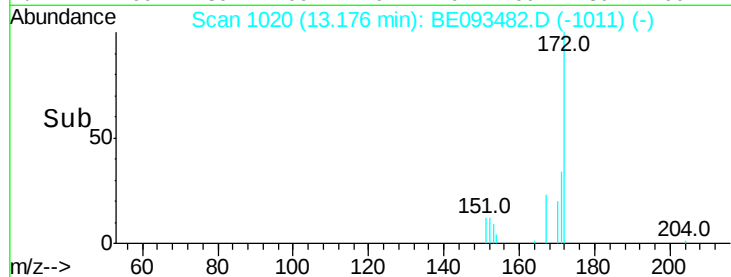
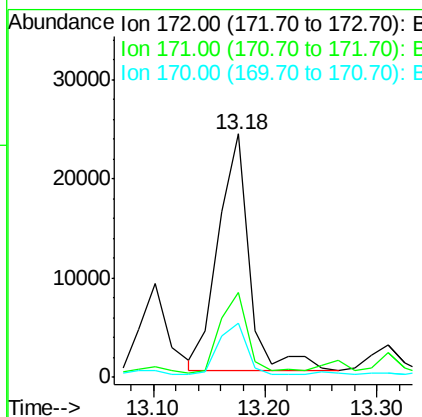
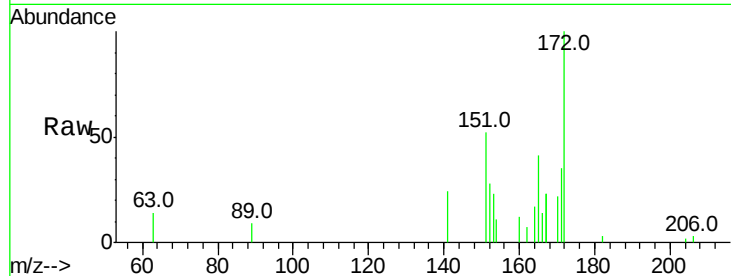




#15
2-Fluorobiphenyl
Concen: 0.484 ng
RT: 13.18 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

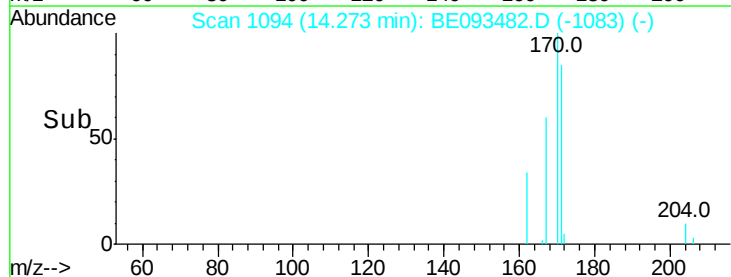
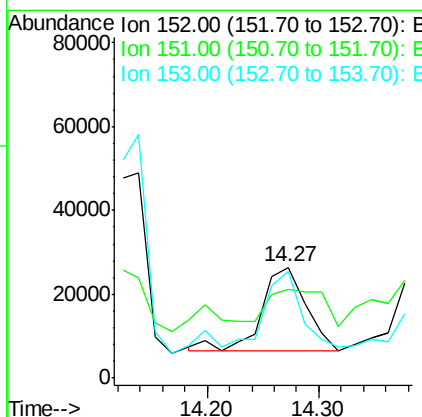
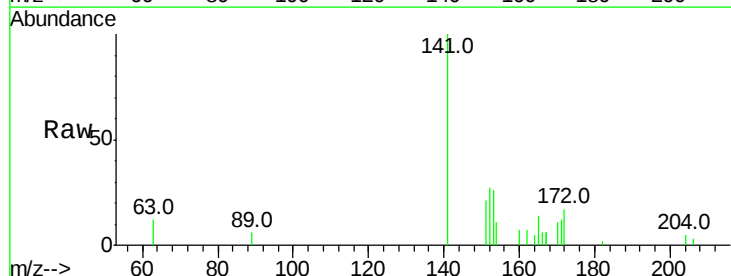
Instrument :
BNA_E
ClientSampleId :

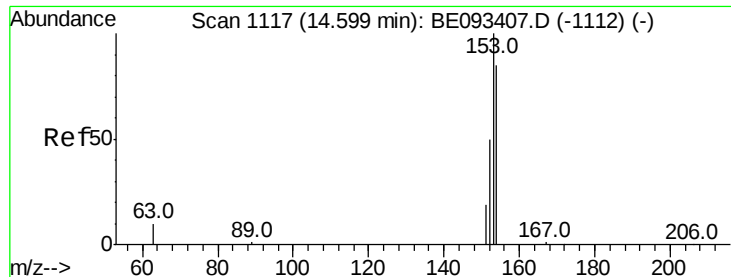
Tot Ion:172 Resp: 46038
Ion Ratio Lower Upper
172 100
171 35.0 29.8 44.6
170 22.1 20.7 31.1



#16
Acenaphthylene
Concen: 0.551 ng
RT: 14.27 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

Tgt Ion:152 Resp: 56267
Ion Ratio Lower Upper
152 100
151 54.0 4.0 6.0#
153 76.2 10.3 15.5#

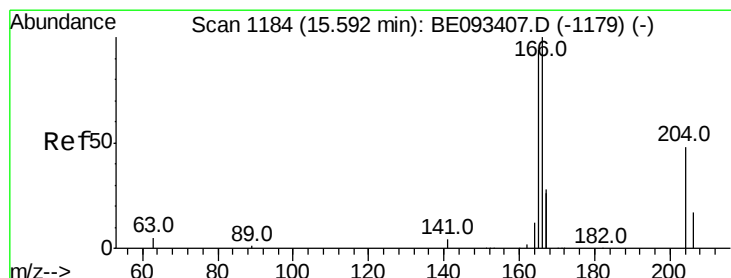
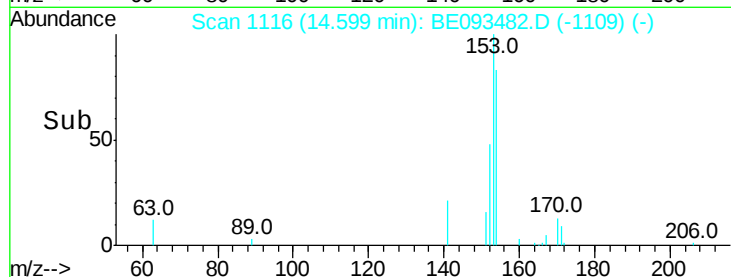
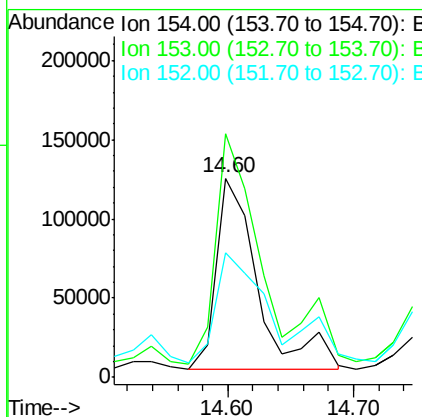
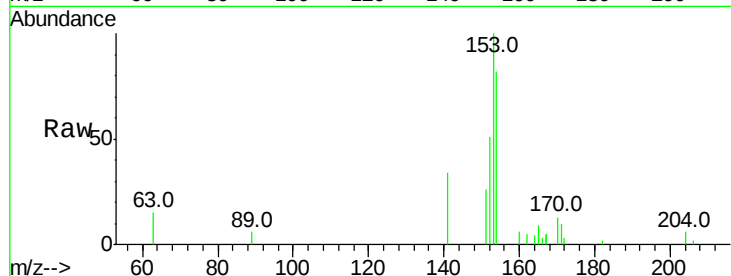




#17
Acenaphthene
Concen: 3.695 ng
RT: 14.60 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

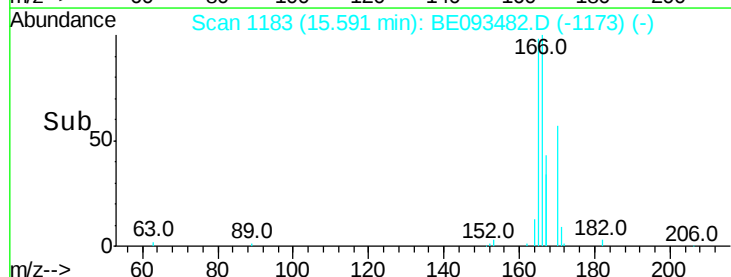
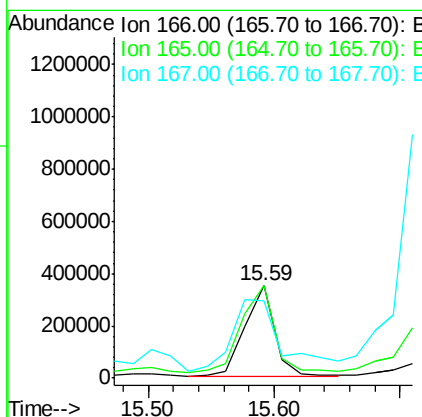
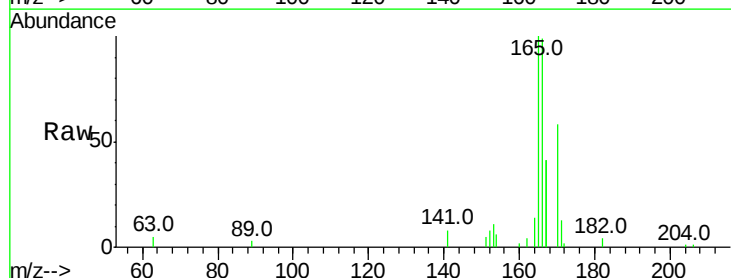
Instrument :
BNA_E
ClientSampleId :

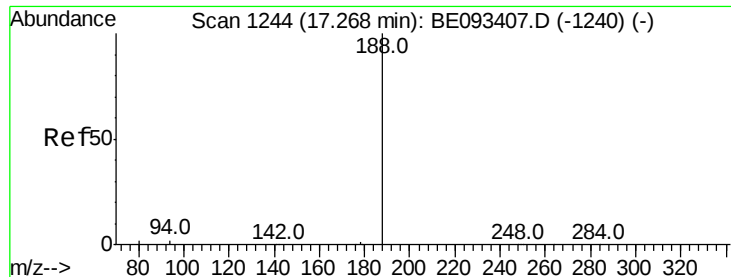
Tot Ion:154 Resp: 276419
Ion Ratio Lower Upper
154 100
153 135.8 91.2 136.8
152 78.8 44.8 67.2#



#18
Fluorene
Concen: 5.518 ng
RT: 15.59 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

Tgt Ion:166 Resp: 566463
Ion Ratio Lower Upper
166 100
165 109.9 78.6 117.8
167 132.7 11.1 16.7#

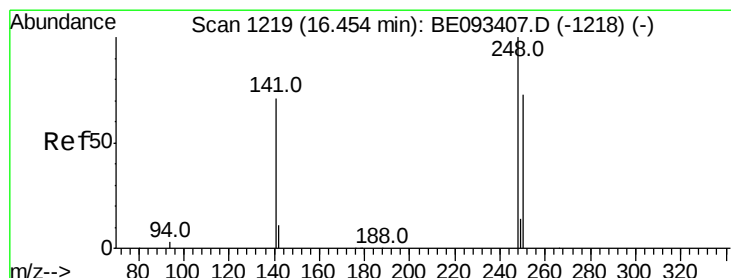
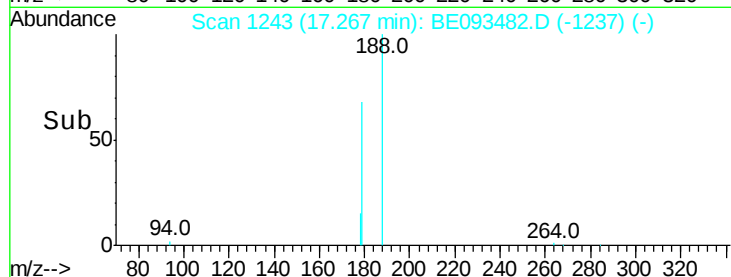
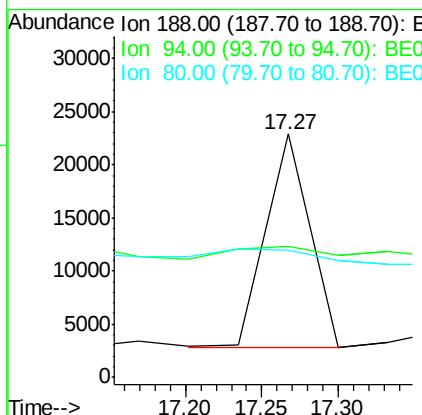
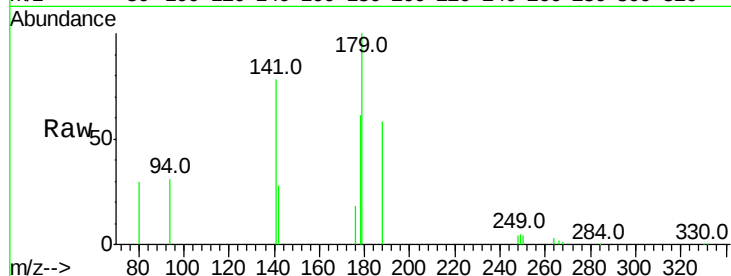




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

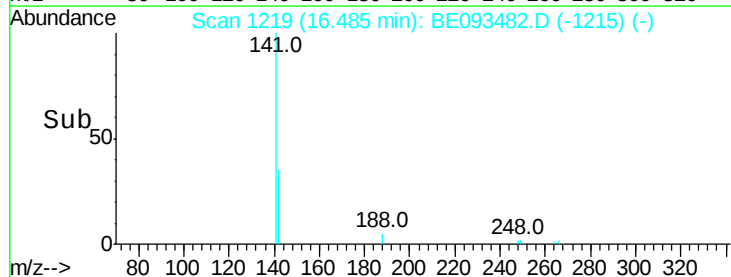
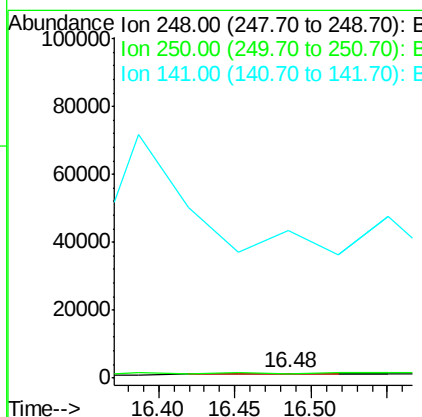
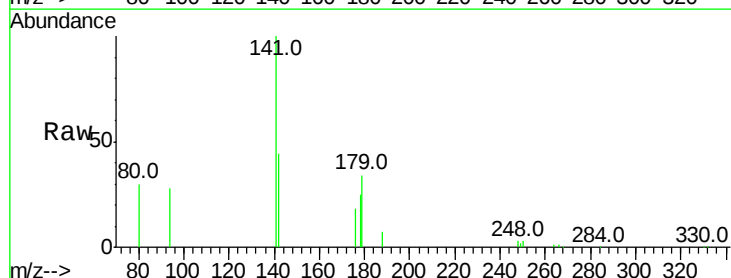
Instrument :
BNA_E
ClientSampleId :

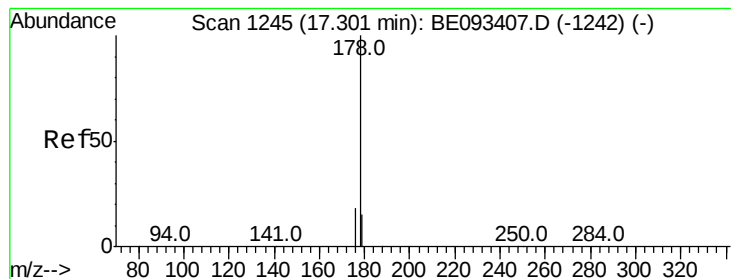
Tot Ion:188 Resp: 39472
Ion Ratio Lower Upper
188 100
94 53.9 11.3 16.9#
80 52.1 11.7 17.5#



#20
4-Bromophenyl-phenylether
Concen: 0.026 ng
RT: 16.48 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE093482.D
Acq: 19 Jul 2017 13:29

Tgt Ion:248 Resp: 559
Ion Ratio Lower Upper
248 100
250 104.2 40.8 61.2#
141 3393.6 161.6 242.4#





#23

Phenanthrene

Concen: 2.773 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

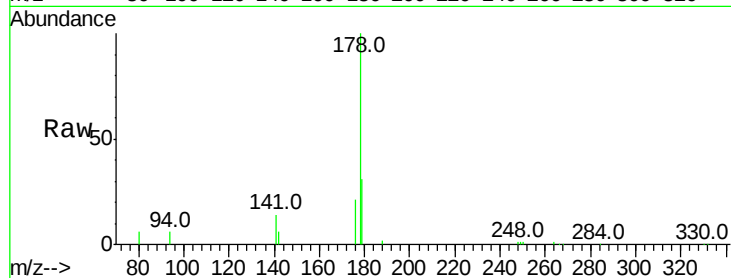
Tot Ion:178 Resp: 397854

Ion Ratio Lower Upper

178 100

176 16.4 15.0 22.4

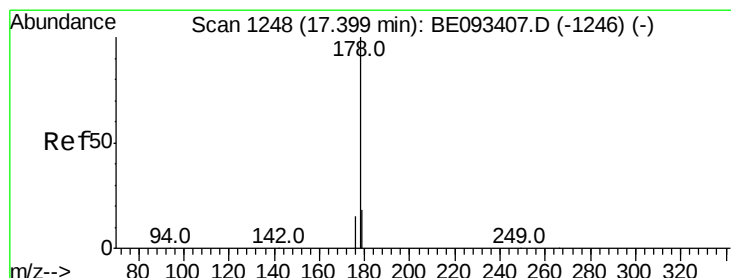
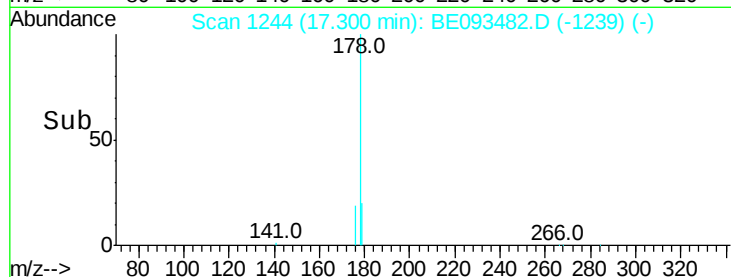
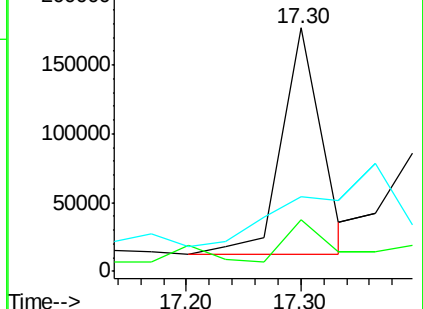
179 0.0 12.7 19.1#



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



#24

Anthracene

Concen: 4.050 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

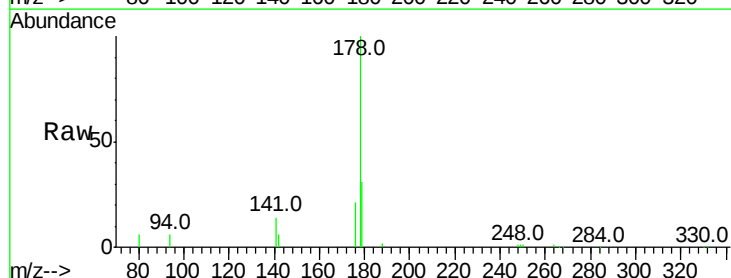
Tgt Ion:178 Resp: 356260

Ion Ratio Lower Upper

178 100

176 24.9 14.6 22.0#

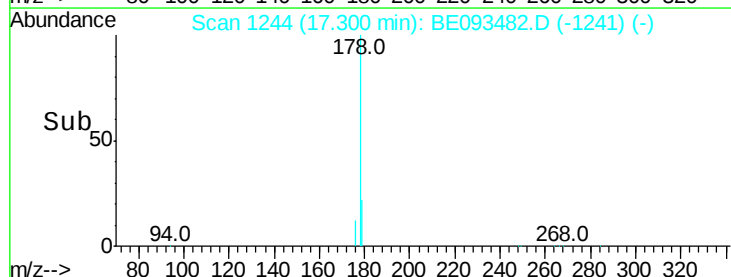
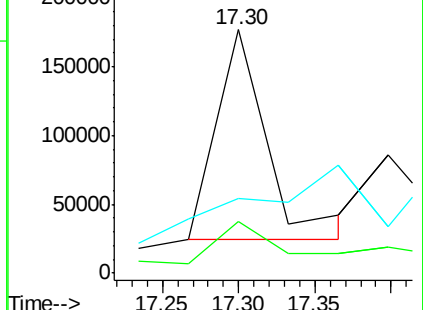
179 0.0 12.0 18.0#

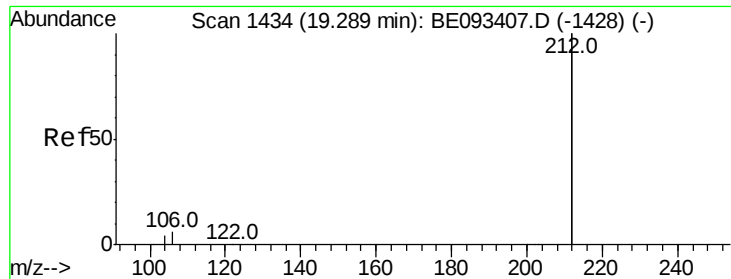


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.306 ng

RT: 19.29 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

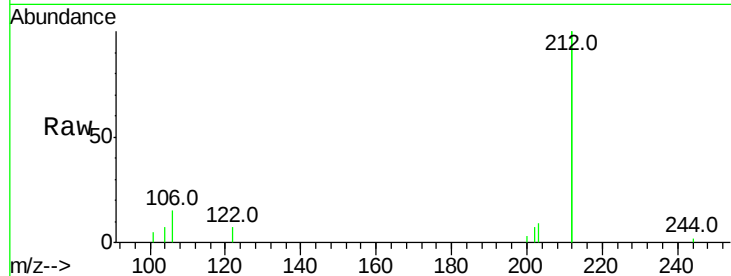
Tot Ion:212 Resp: 145637

Ion Ratio Lower Upper

212 100

106 4.5 2.4 3.6#

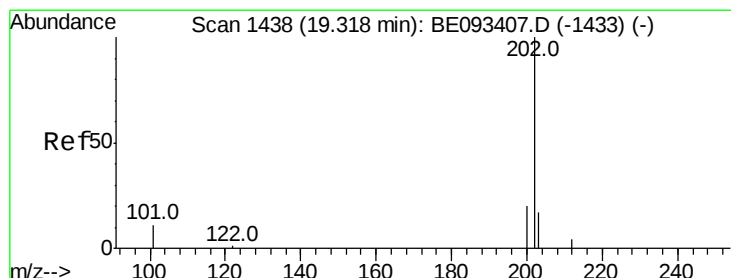
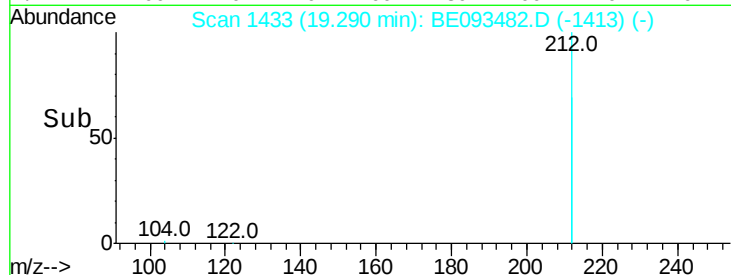
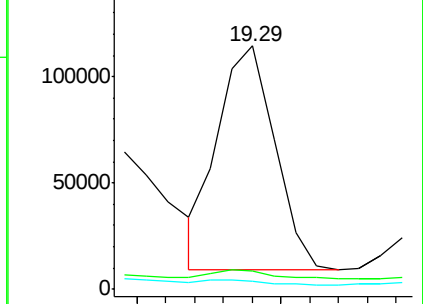
104 2.0 1.6 2.4



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: 0.238 ng

RT: 19.31 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

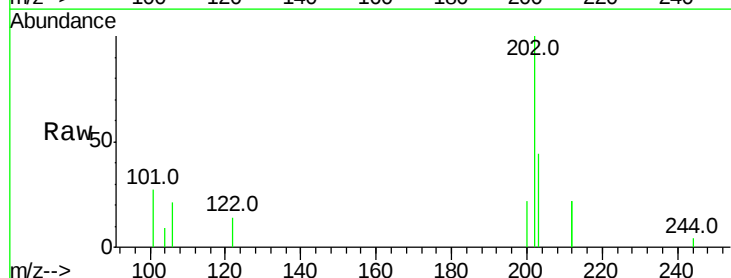
Tgt Ion:202 Resp: 32092

Ion Ratio Lower Upper

202 100

101 21.2 9.6 14.4#

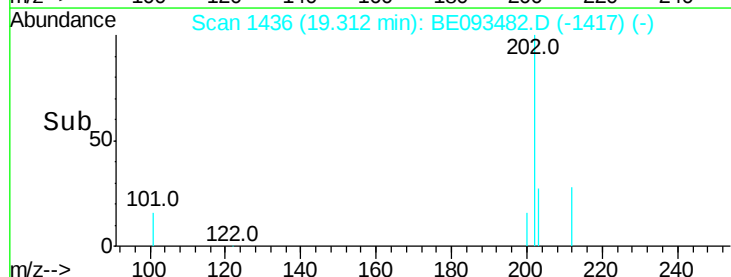
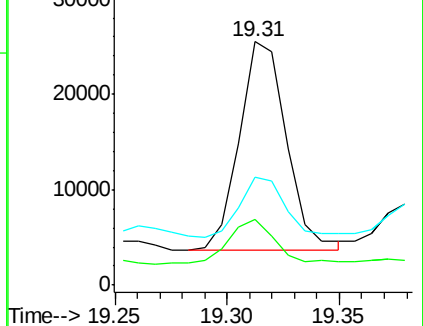
203 27.4 14.4 21.6#

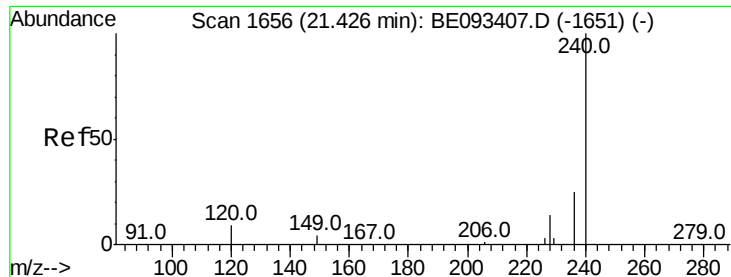


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.42 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

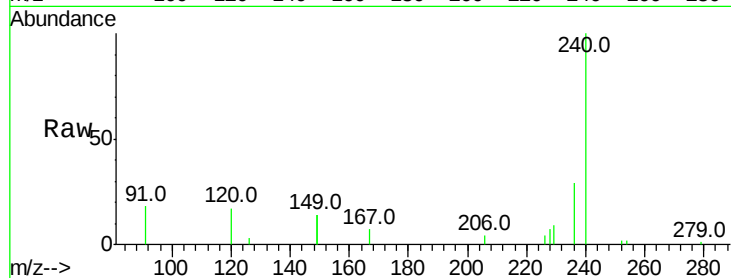
Tot Ion:240 Resp: 35358

Ion Ratio Lower Upper

240 100

120 17.4 4.6 7.0#

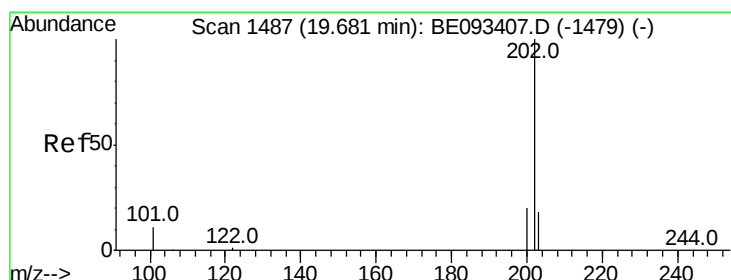
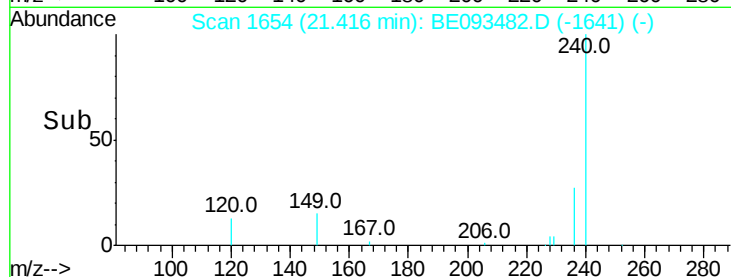
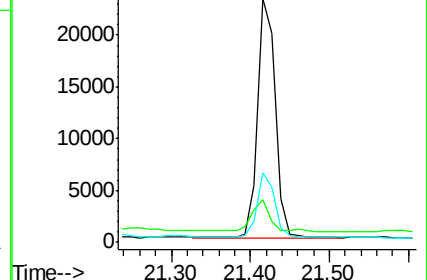
236 28.7 20.8 31.2



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: 0.680 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

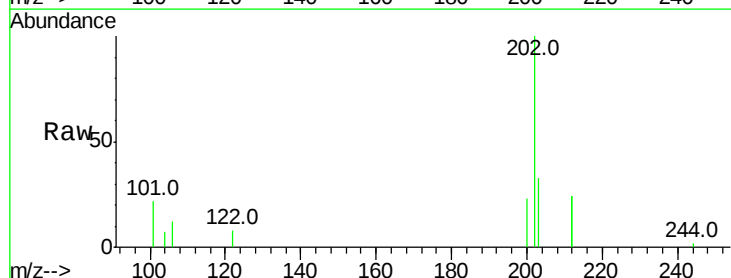
Tgt Ion:202 Resp: 67576

Ion Ratio Lower Upper

202 100

200 19.1 0.0 0.0#

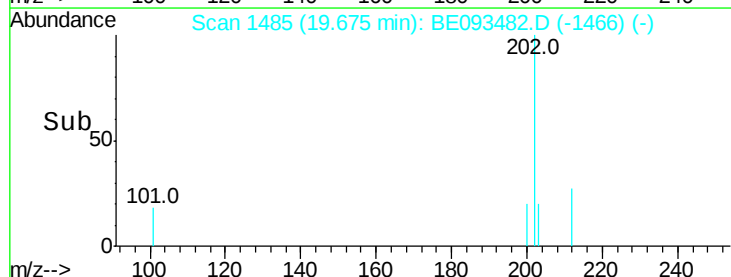
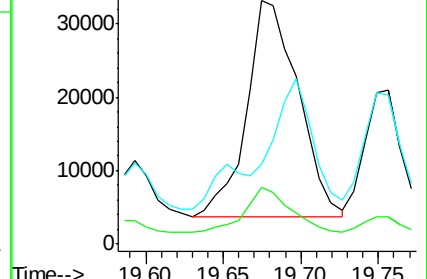
203 0.0 13.7 20.5#

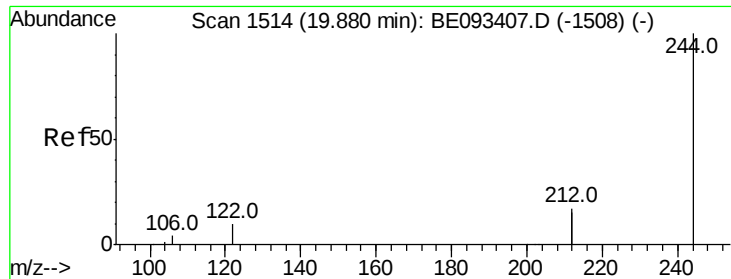


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.625 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampled :

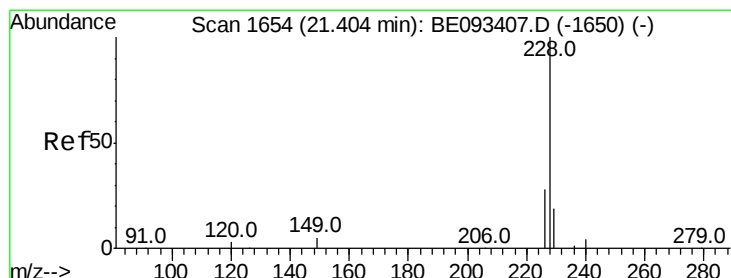
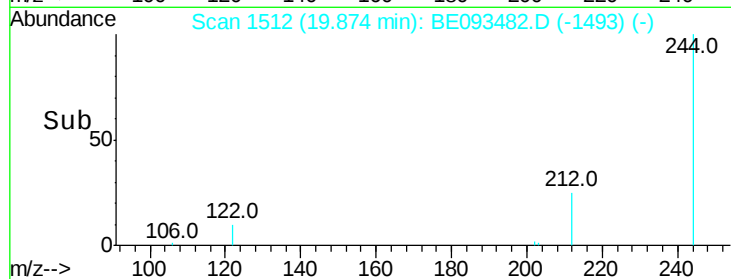
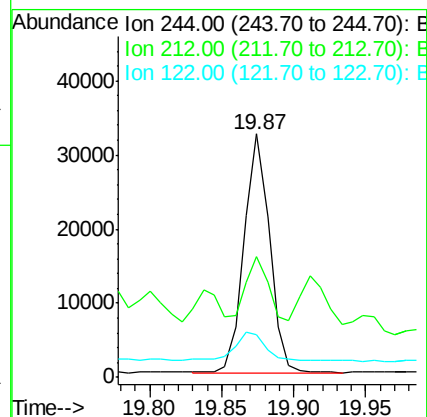
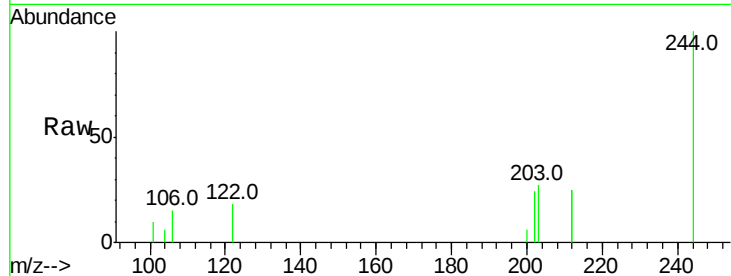
Tot Ion:244 Resp: 39457

Ion Ratio Lower Upper

244 100

212 49.4 10.6 16.0#

122 17.6 15.4 23.0



#30

Benzo(a)anthracene

Concen: 0.032 ng

RT: 21.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

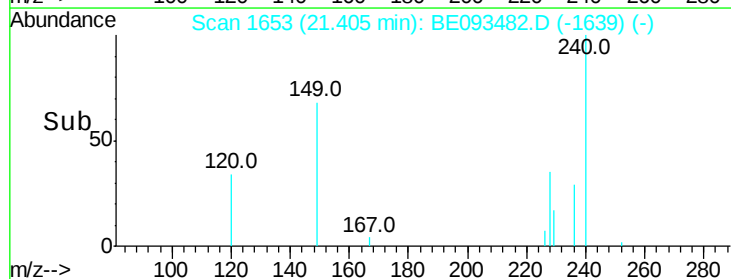
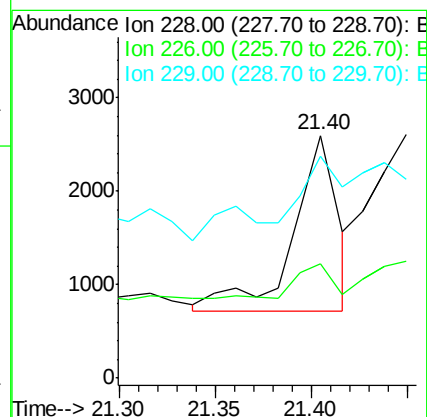
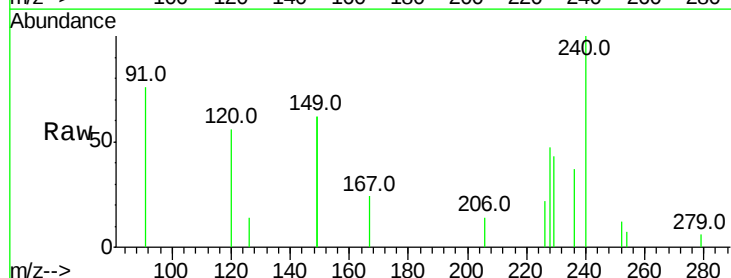
Tgt Ion:228 Resp: 3097

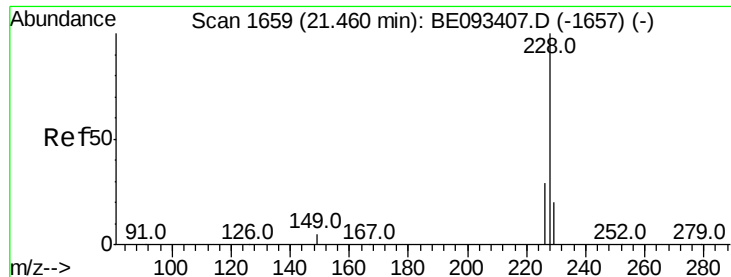
Ion Ratio Lower Upper

228 100

226 47.1 19.7 29.5#

229 91.2 19.2 28.8#





#31

Chrysene

Concen: 0.045 ng

RT: 21.46 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

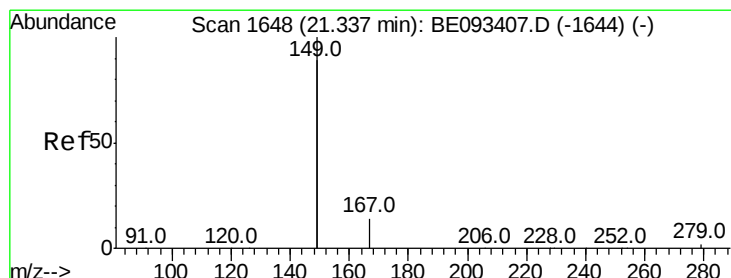
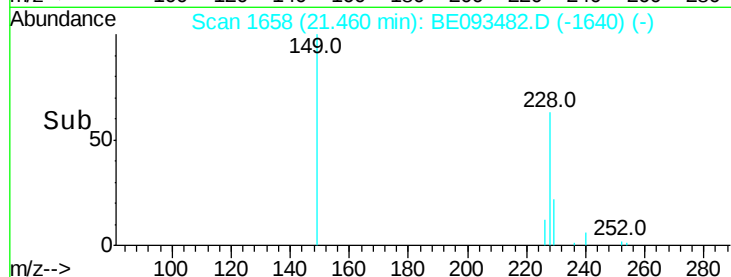
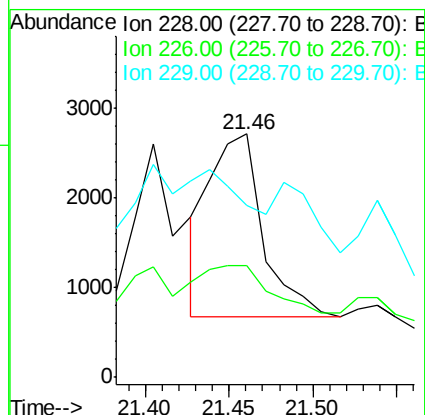
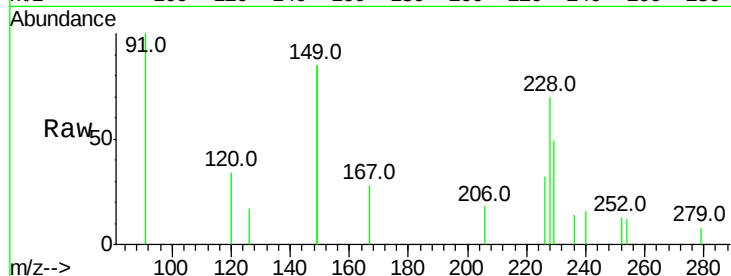
Tot Ion:228 Resp: 4478

Ion Ratio Lower Upper

228 100

226 46.1 21.5 32.3#

229 70.4 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.378 ng

RT: 21.33 min Scan# 1646

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

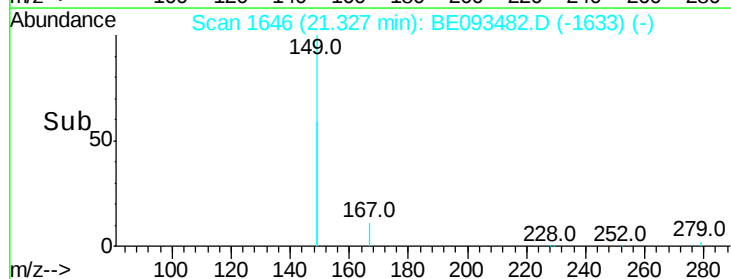
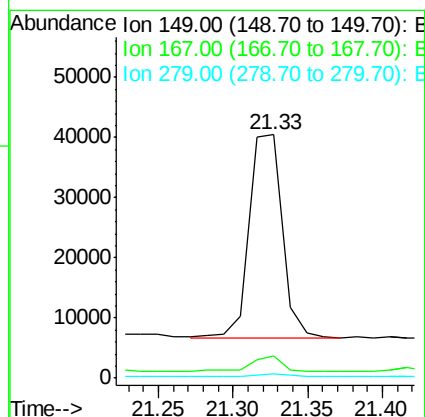
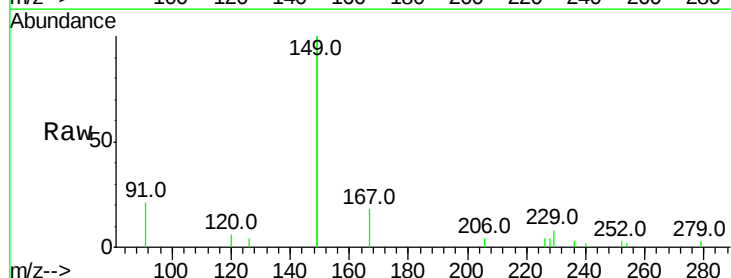
Tgt Ion:149 Resp: 51942

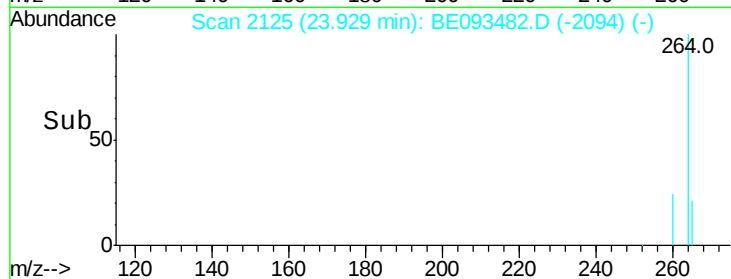
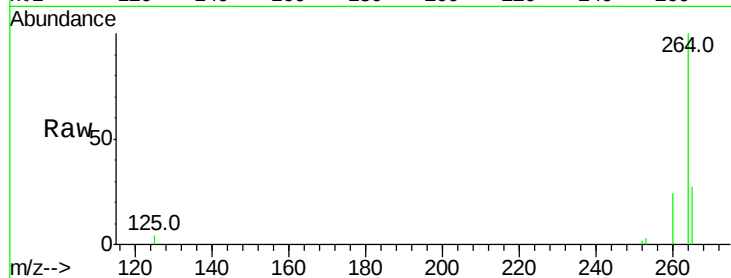
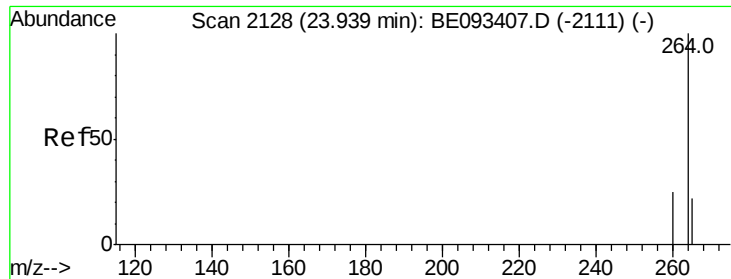
Ion Ratio Lower Upper

149 100

167 7.9 20.1 30.1#

279 1.0 2.2 3.4#





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BE093482.D

Acq: 19 Jul 2017 13:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 30953

Ion Ratio Lower Upper

264 100

260 24.5 21.0 31.4

265 27.5 24.6 36.8

