

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
 Data File : BE093949.D
 Acq On : 5 Sep 2017 22:43
 Operator : SJ/JU
 Sample : I5066-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-1

Quant Time: Sep 06 05:29:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2090	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10228	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	6136	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10673	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	14636	0.40	ng	-0.01
34) Perylene-d12	23.93	264	12883	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1491	0.22	ng	0.00
5) Phenol-d6	7.12	99	1379	0.14	ng	0.00
8) Nitrobenzene-d5	9.08	82	2951	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5304	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	618	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	7726	0.32	ng	0.00
25) Fluoranthene-d10	19.28	212	57764	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	11679	0.43	ng	-0.01

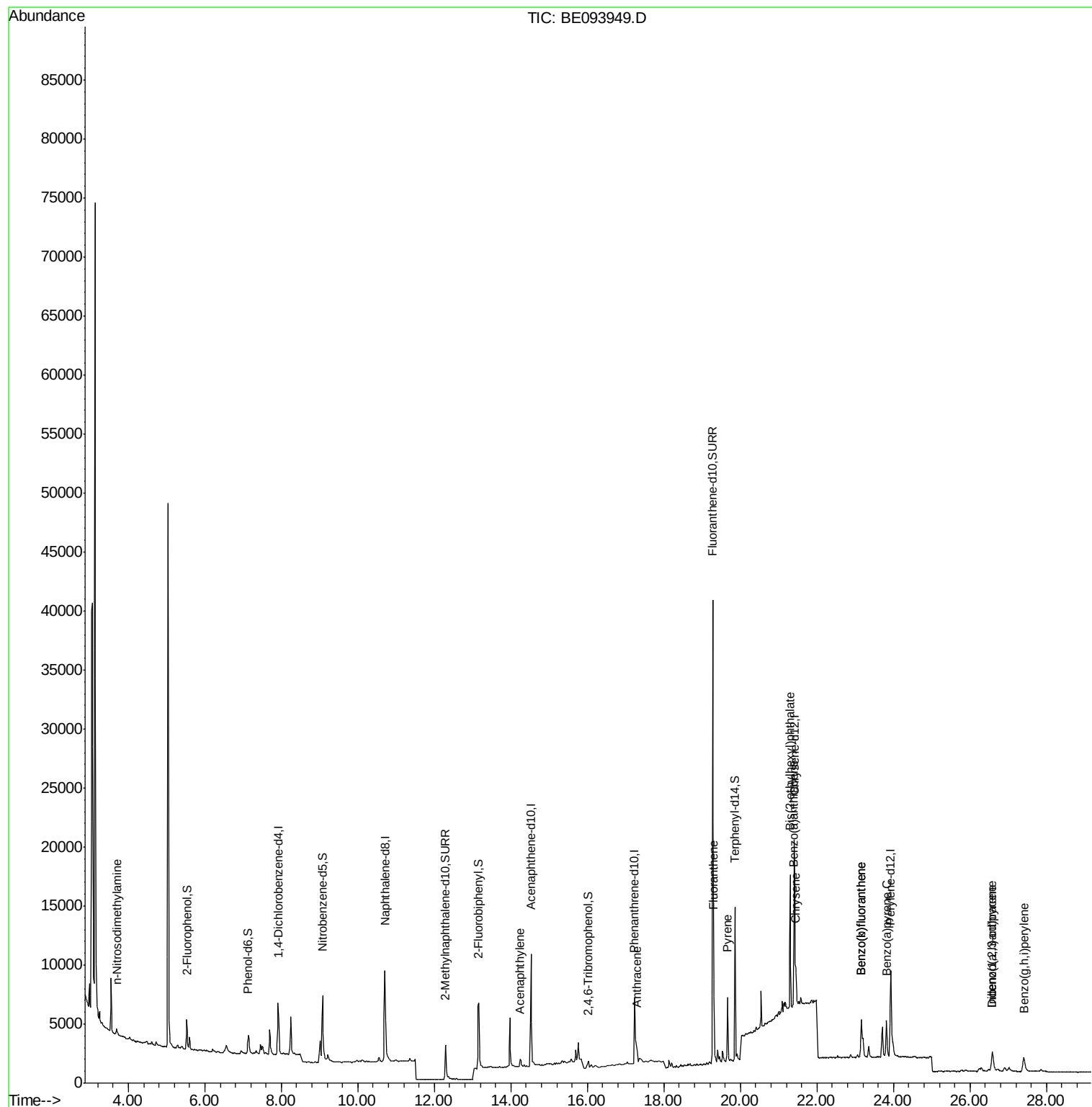
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.70	42	201	0.060	ng	# 1
16) Acenaphthylene	14.24	152	1069	0.035	ng	# 84
20) 4-Bromophenyl-phenylether	16.45	248	14	Below Cal		# 1
23) Phenanthrene	17.30	178	2994	Below Cal		# 81
24) Anthracene	17.30	178	3100	0.095	ng	# 96
26) Fluoranthene	19.30	202	5292	0.111	ng	99
28) Pyrene	19.67	202	5190	0.103	ng	98
30) Benzo(a)anthracene	21.40	228	3847	0.086	ng	# 77
31) Chrysene	21.45	228	3464	0.073	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.30	149	13451	0.123	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.59	276	3540	0.112	ng	92
35) Benzo(b)fluoranthene	23.16	252	6318	0.154	ng	# 74
36) Benzo(k)fluoranthene	23.16	252	6318	0.126	ng	# 71
37) Benzo(a)pyrene	23.82	252	5096	0.122	ng	# 74
38) Dibenzo(a,h)anthracene	26.59	278	886	0.032	ng	# 1
39) Benzo(g,h,i)perylene	27.41	276	3538	0.121	ng	# 78

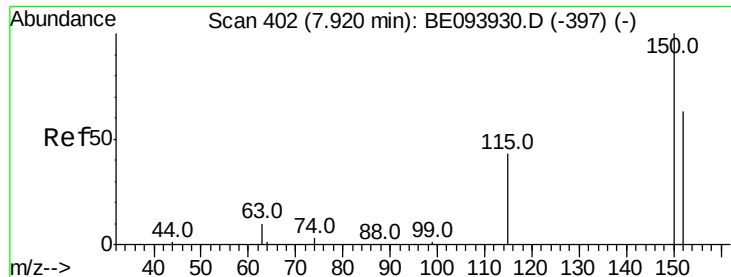
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

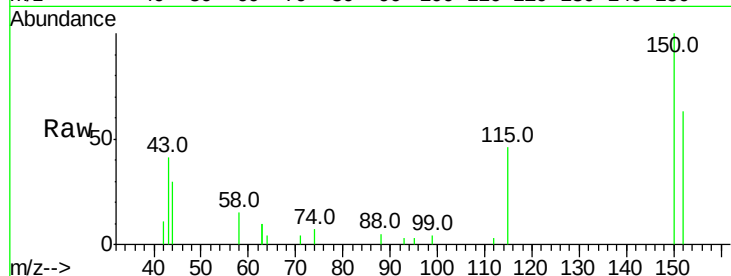
Tot Ion:152 Resp: 2090

Ion Ratio Lower Upper

152 100

150 158.8 121.8 182.6

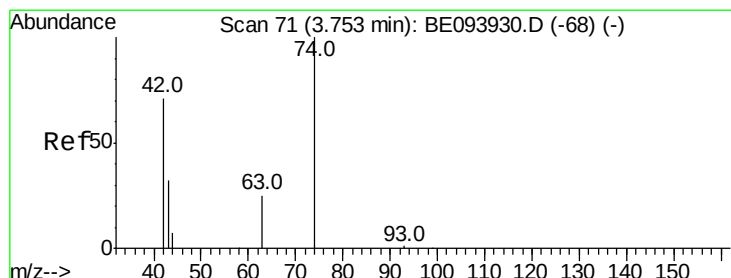
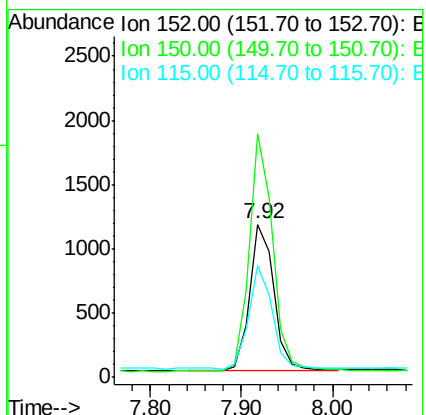
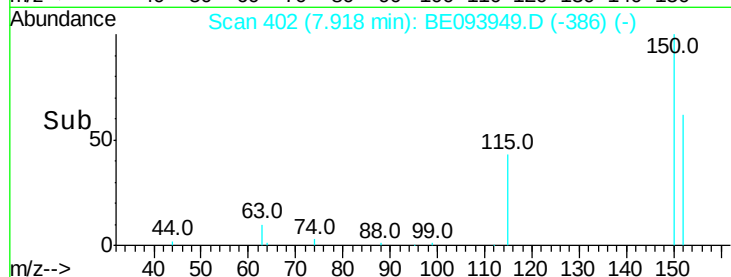
115 72.7 52.6 79.0



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: 0.060 ng

RT: 3.70 min Scan# 67

Delta R.T. -0.05 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

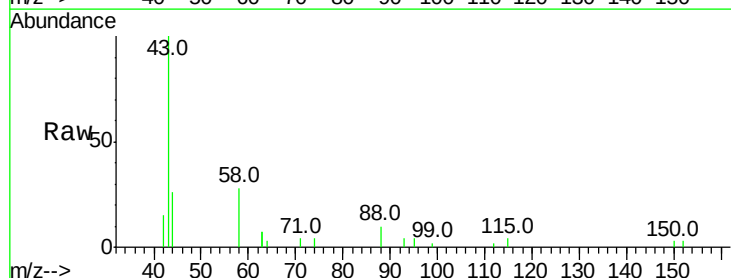
Tgt Ion: 42 Resp: 201

Ion Ratio Lower Upper

42 100

74 7.5 104.0 156.0#

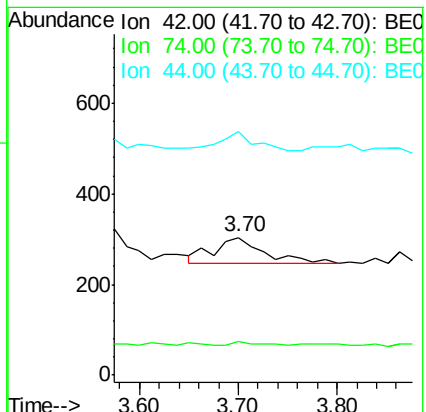
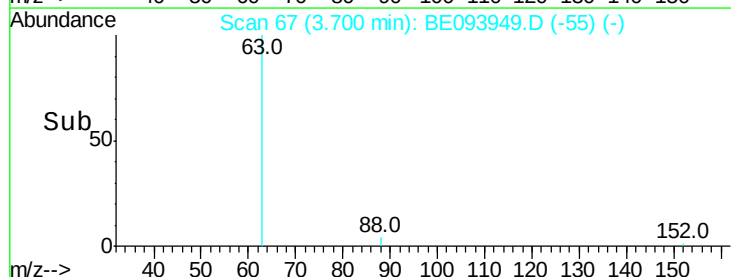
44 46.8 13.8 20.8#

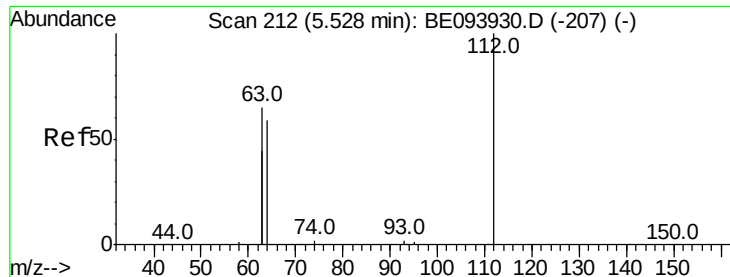


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.221 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

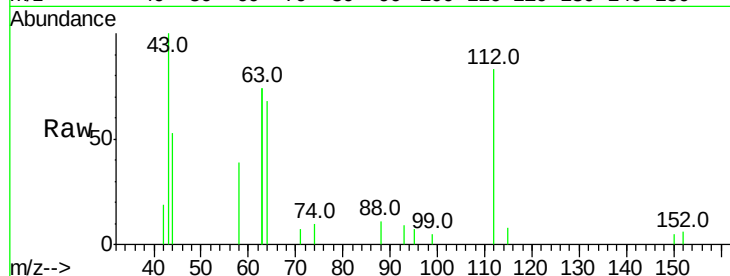
Tot Ion:112 Resp: 1491

Ion Ratio Lower Upper

112 100

64 72.9 57.7 86.5

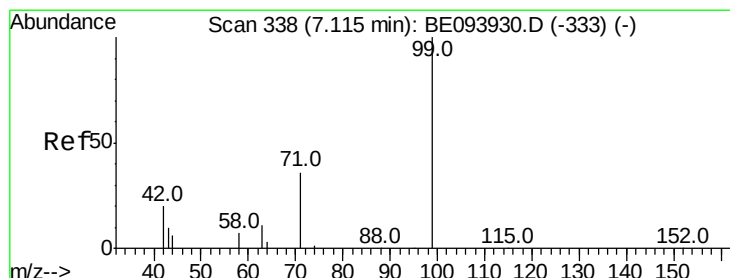
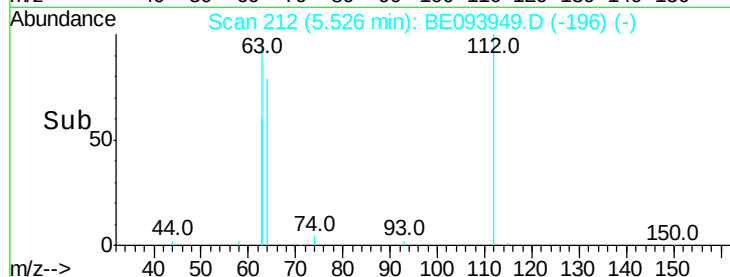
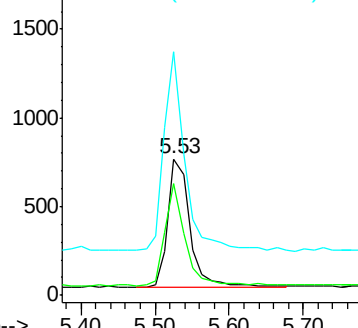
63 148.8 116.0 174.0



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: 0.136 ng

RT: 7.12 min Scan# 339

Delta R.T. 0.01 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

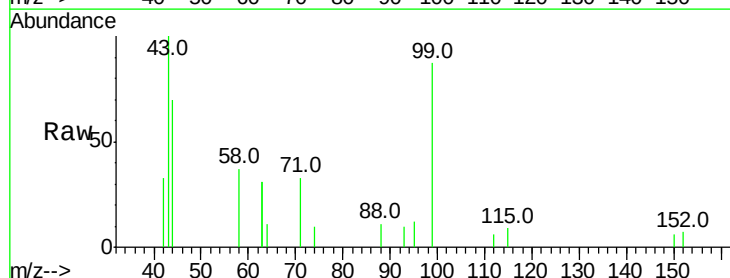
Tgt Ion: 99 Resp: 1379

Ion Ratio Lower Upper

99 100

42 26.5 17.1 25.7#

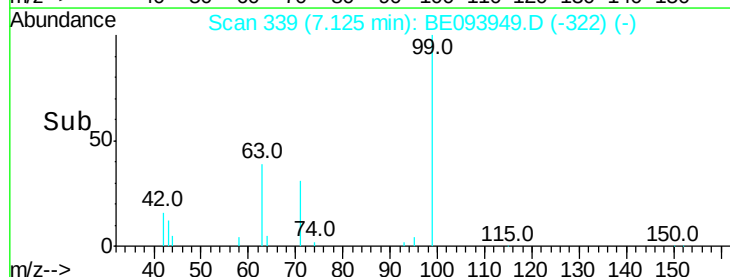
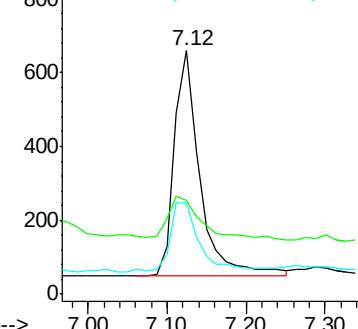
71 35.5 26.6 39.8

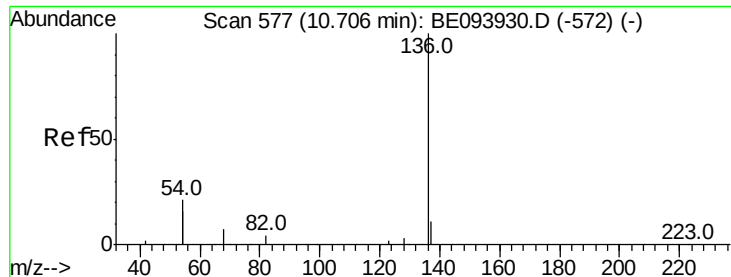


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

Tot Ion:136 Resp: 10228

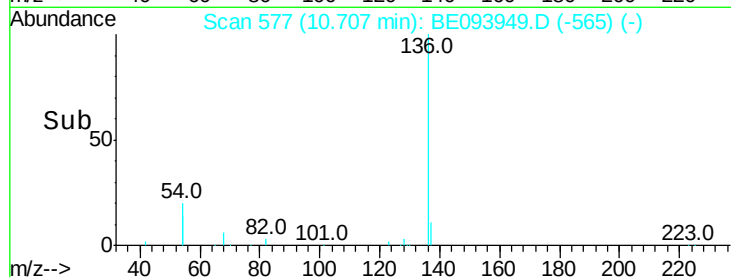
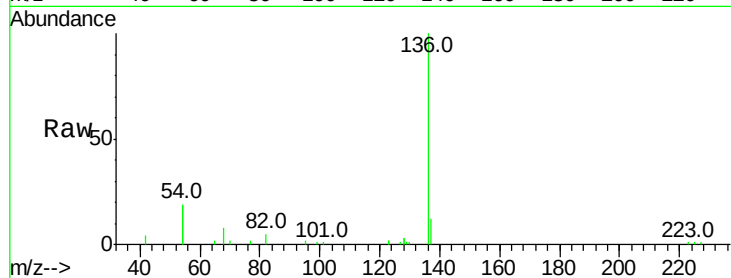
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 38.9 21.9 32.9#

68 7.7 4.6 7.0#

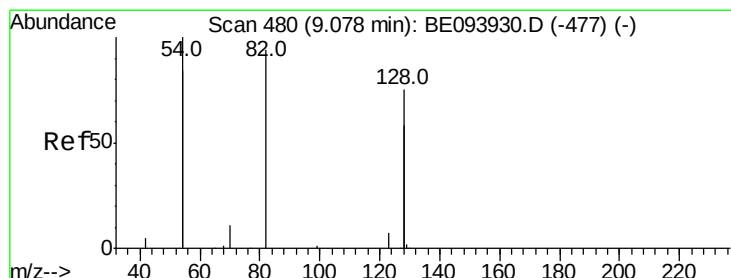
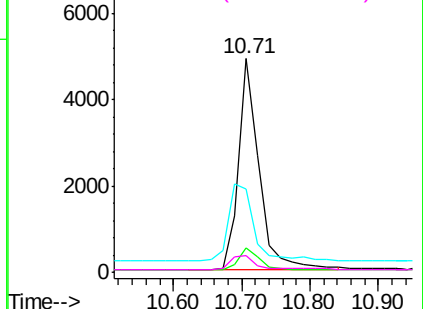


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.341 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

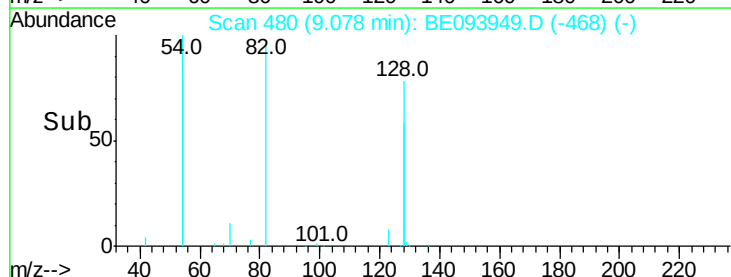
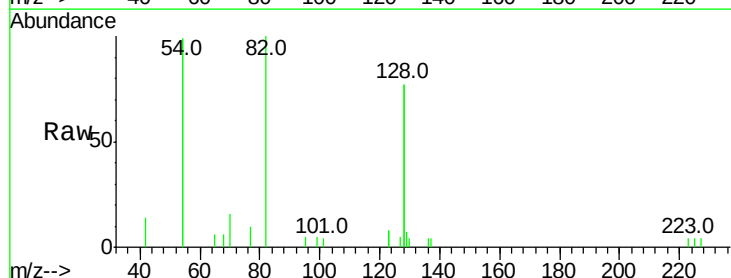
Tgt Ion: 82 Resp: 2951

Ion Ratio Lower Upper

82 100

128 154.3 91.4 137.0#

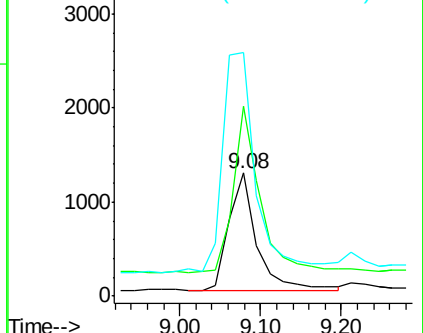
54 197.9 197.8 296.8

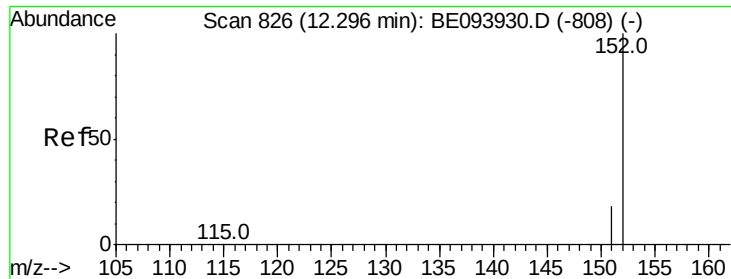


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

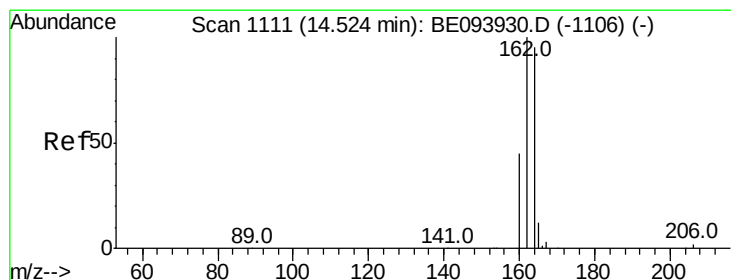
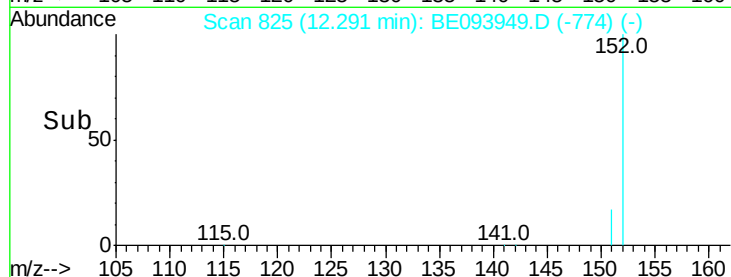
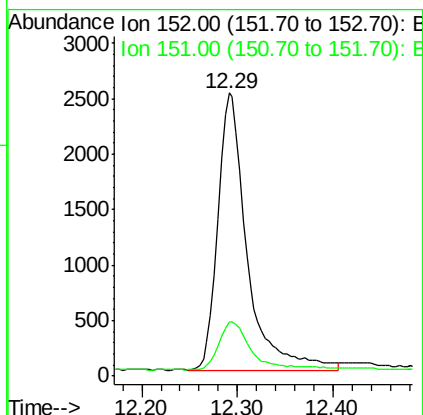
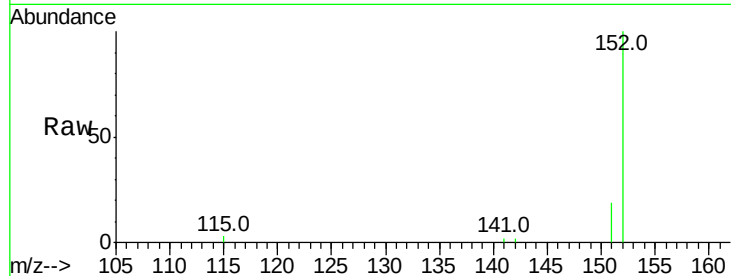




#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.29 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

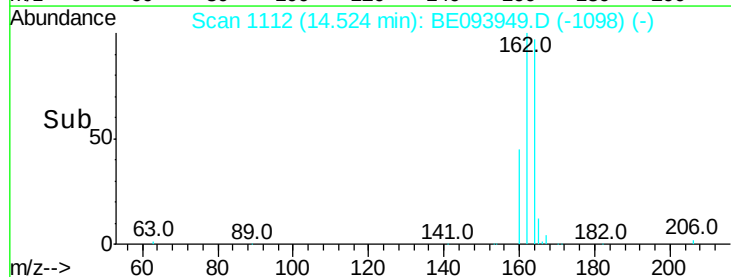
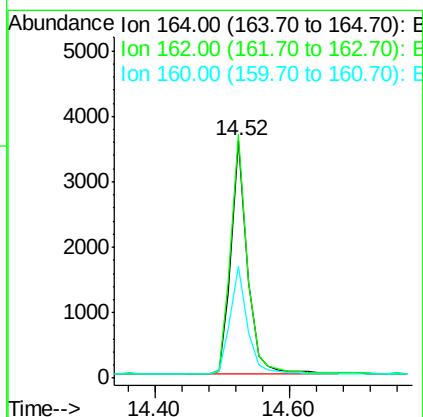
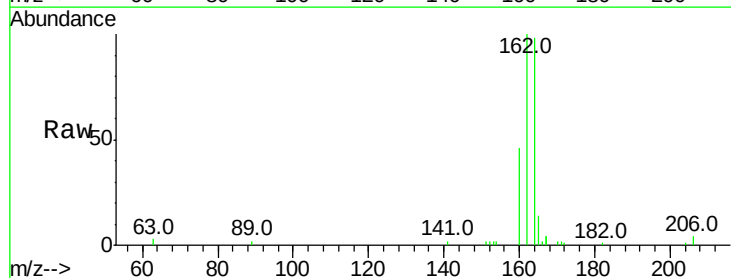
Instrument :
BNA_E
ClientSampleId :
TW-1

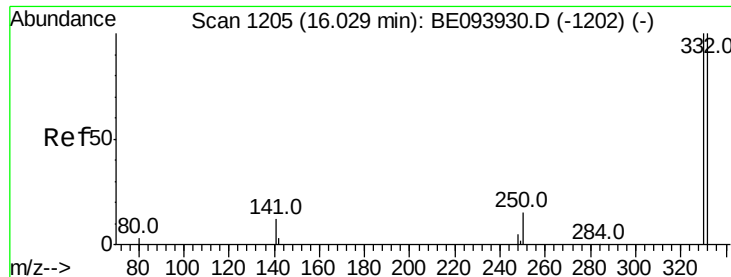
Tot Ion:152 Resp: 5304
Ion Ratio Lower Upper
152 100
151 20.2 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

Tgt Ion:164 Resp: 6136
Ion Ratio Lower Upper
164 100
162 102.5 80.8 121.2
160 47.0 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.325 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampled :

TW-1

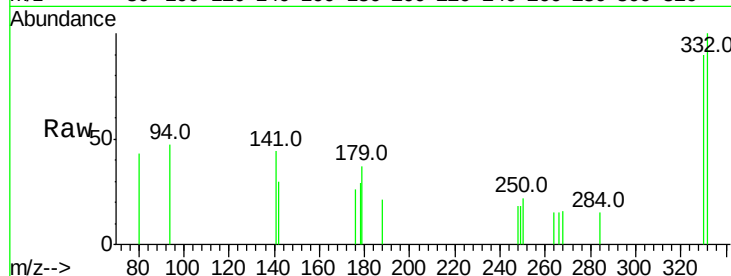
Tot Ion:330 Resp: 618

Ion Ratio Lower Upper

330 100

332 105.7 76.9 115.3

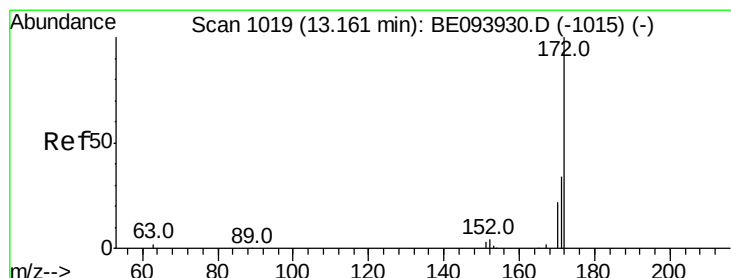
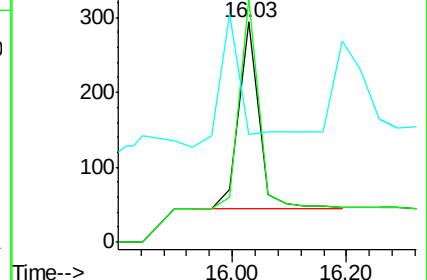
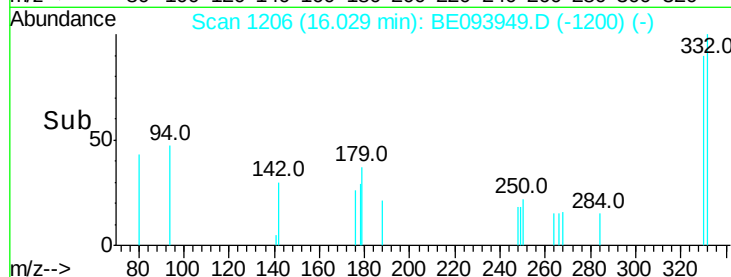
141 0.0 0.0 0.0



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: 0.318 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

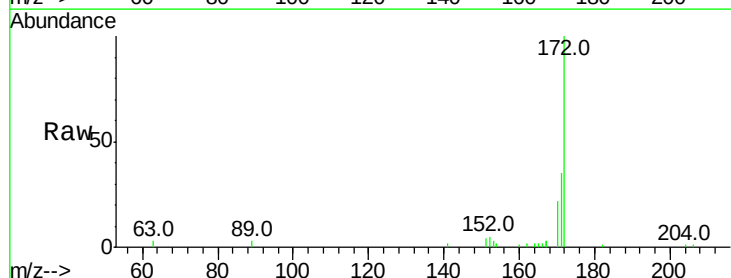
Tgt Ion:172 Resp: 7726

Ion Ratio Lower Upper

172 100

171 34.7 26.9 40.3

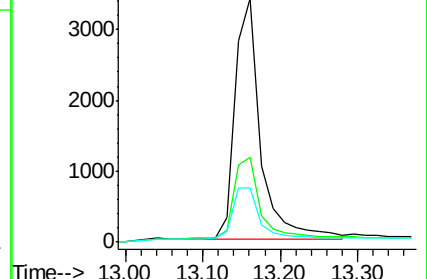
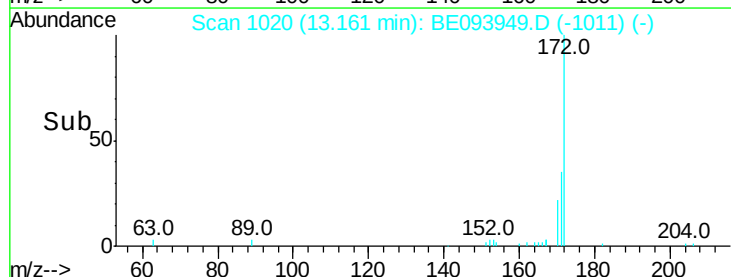
170 22.1 17.3 25.9

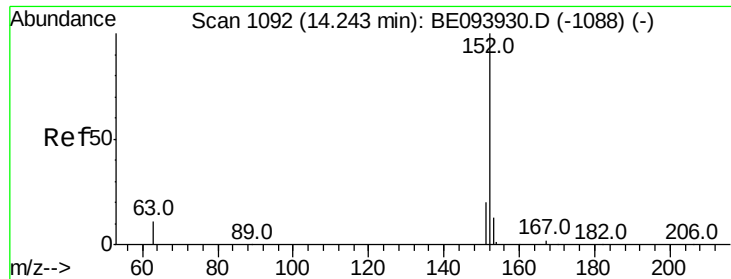


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.035 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

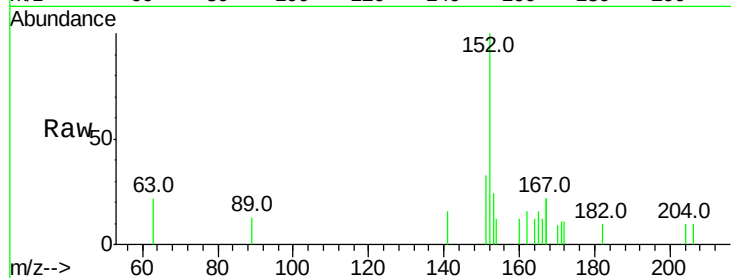
Tot Ion:152 Resp: 1069

Ion Ratio Lower Upper

152 100

151 31.6 15.7 23.5#

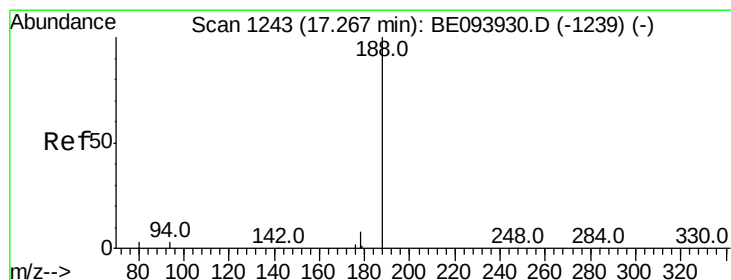
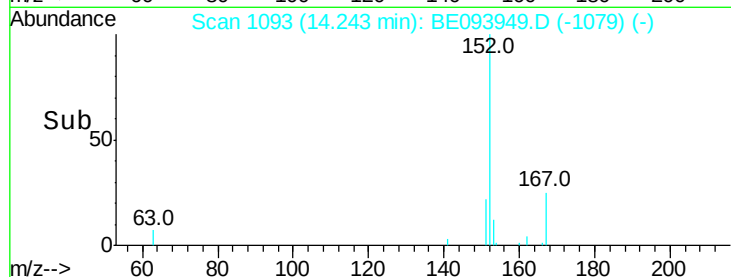
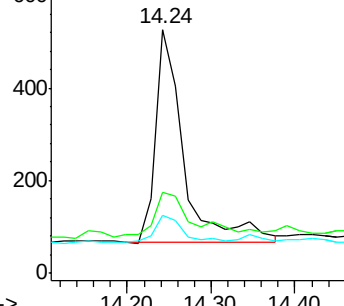
153 13.6 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

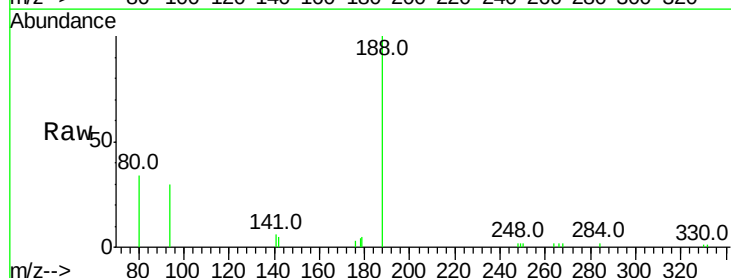
Tgt Ion:188 Resp: 10673

Ion Ratio Lower Upper

188 100

94 29.6 16.1 24.1#

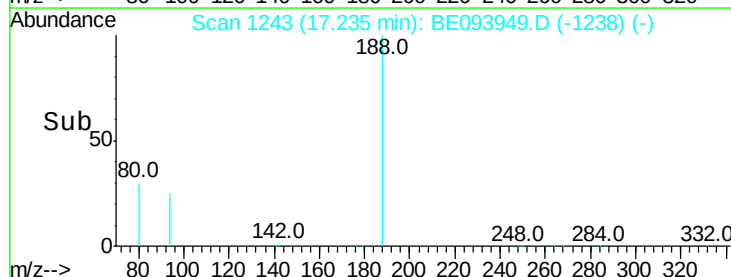
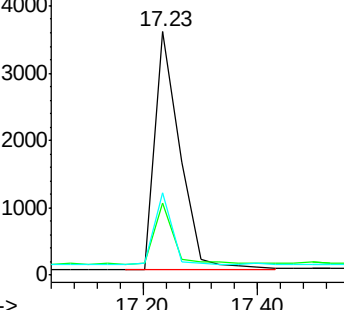
80 33.6 18.2 27.2#

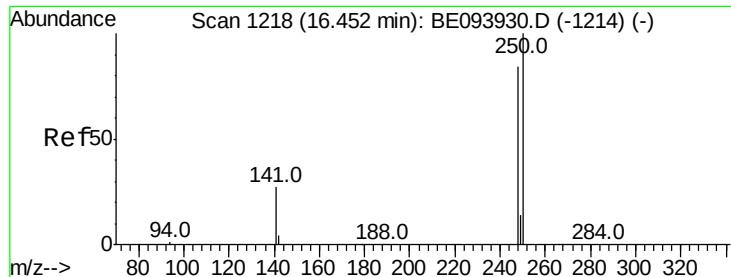


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

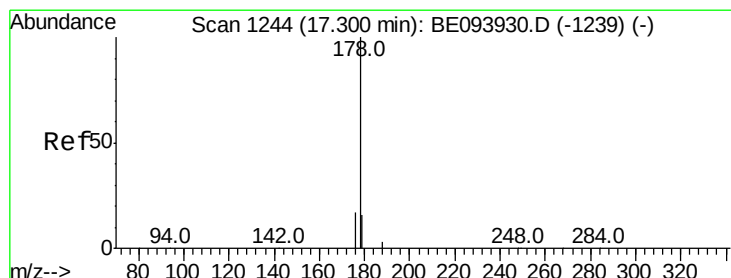
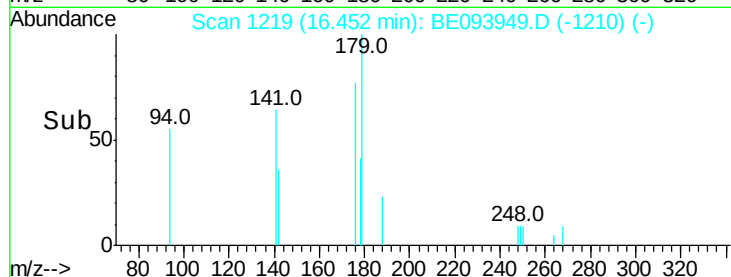
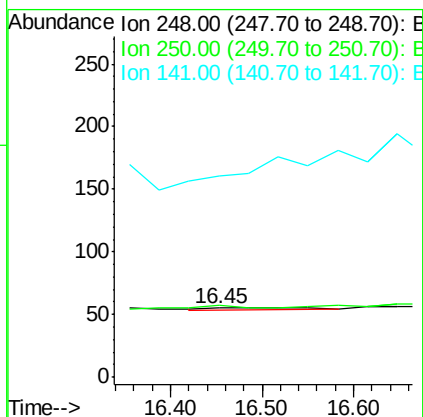
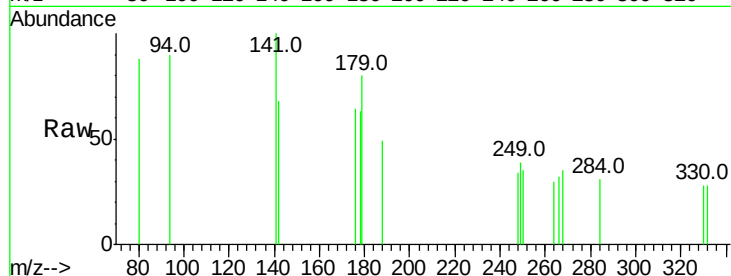




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

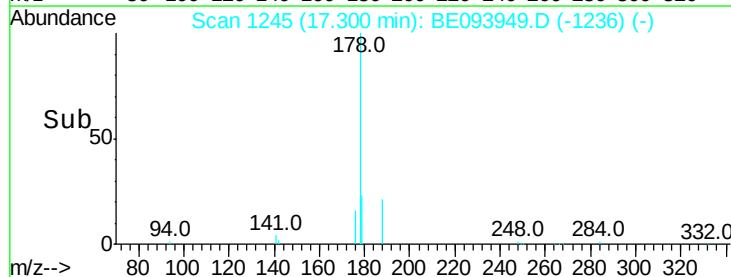
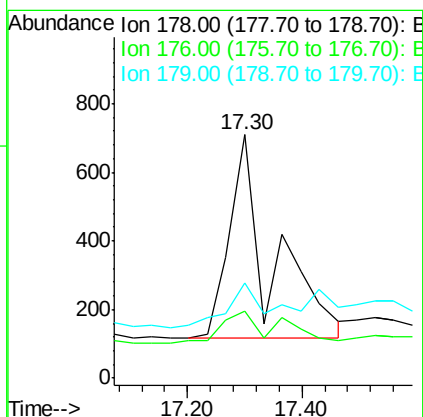
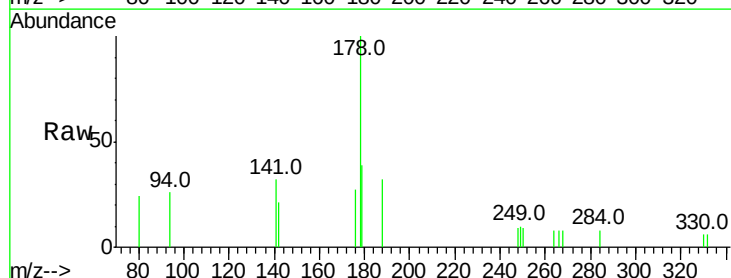
Instrument :
BNA_E
ClientSampled :
TW-1

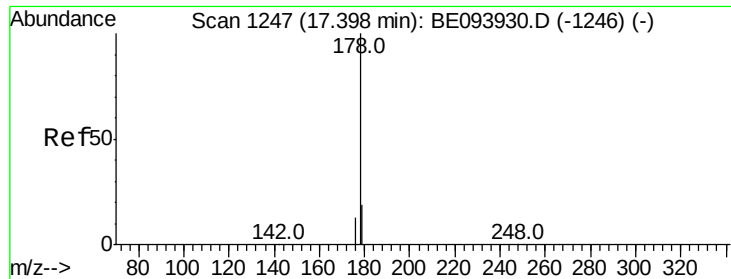
Tot Ion:248 Resp: 14
Ion Ratio Lower Upper
248 100
250 103.6 111.8 167.8#
141 292.7 27.1 40.7#



#23
Phenanthrene
Concen: Below Cal
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

Tgt Ion:178 Resp: 2994
Ion Ratio Lower Upper
178 100
176 22.4 0.0 0.0#
179 23.6 12.6 18.8#





#24

Anthracene

Concen: 0.095 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

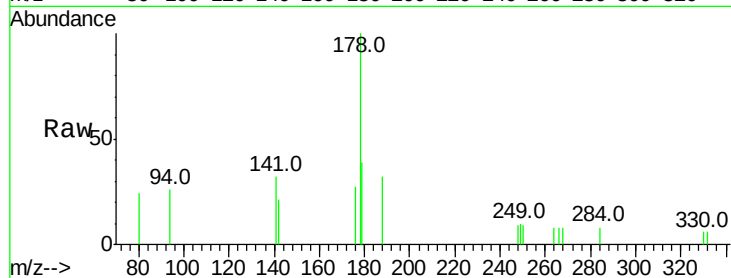
Tot Ion:178 Resp: 3100

Ion Ratio Lower Upper

178 100

176 21.6 16.0 24.0

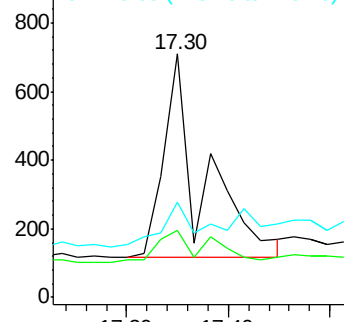
179 22.8 0.0 0.0#



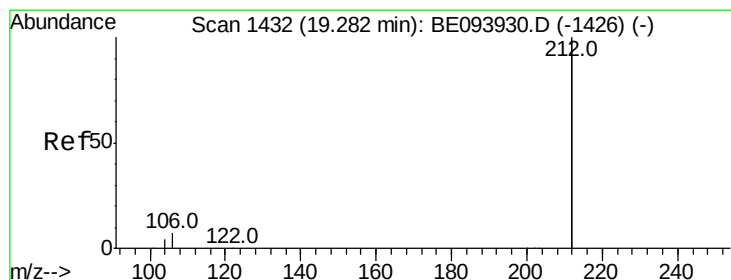
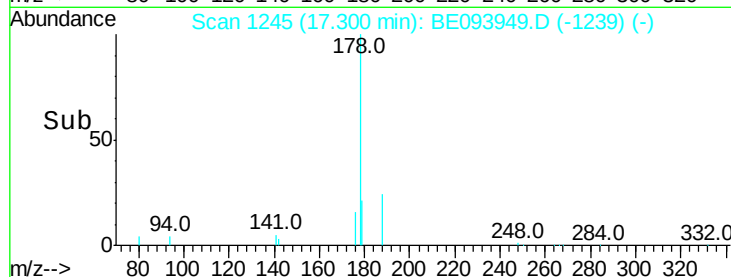
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

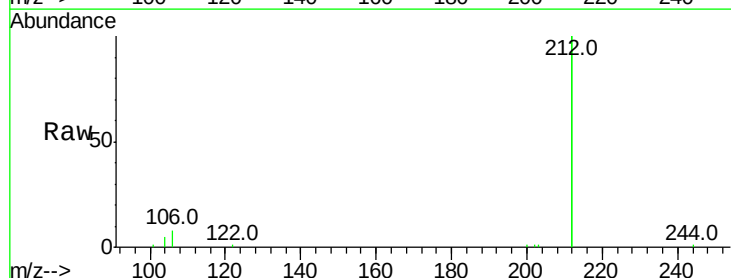
Tgt Ion:212 Resp: 57764

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

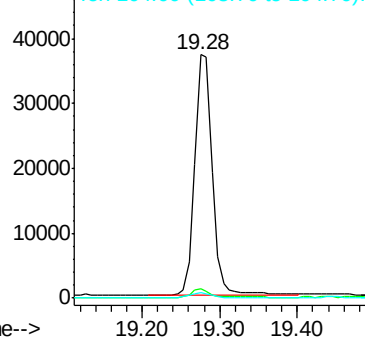
104 2.0 1.6 2.4



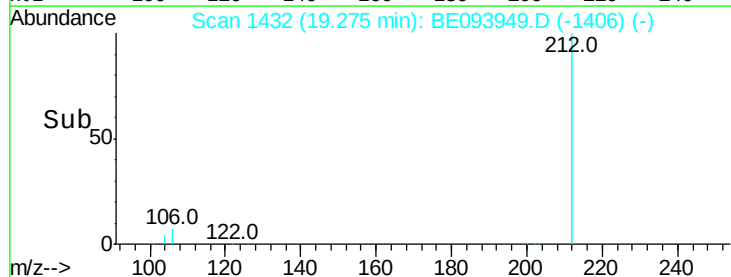
Abundance Ion 212.00 (211.70 to 212.70): E

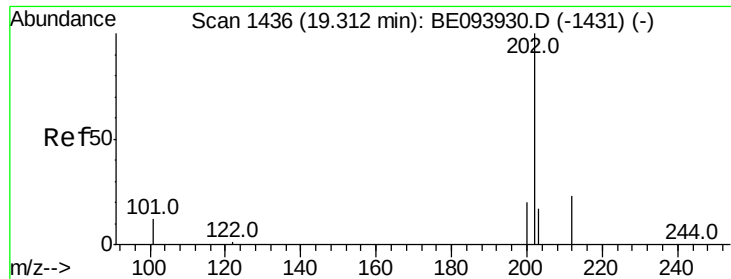
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

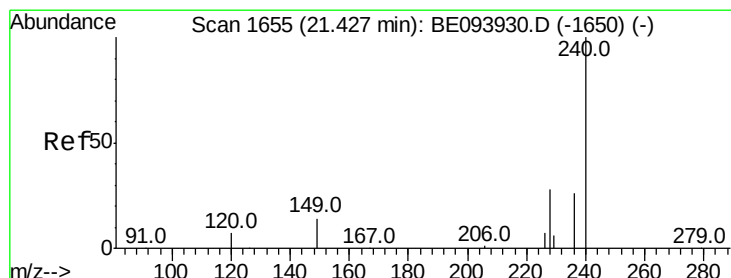
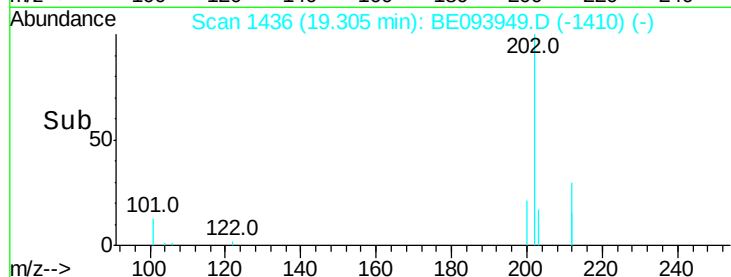
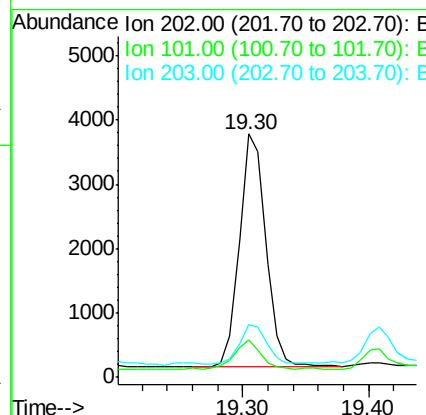
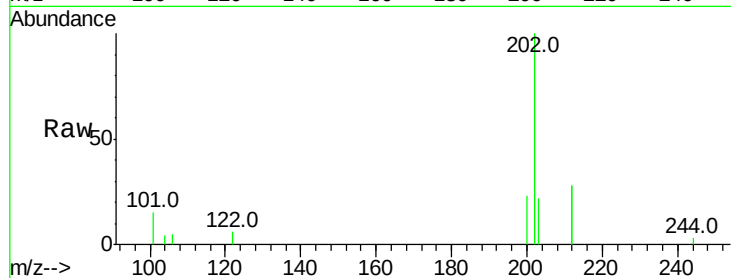




#26
 Fluoranthene
 Concen: 0.111 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE093949.D
 Acq: 5 Sep 2017 22:43

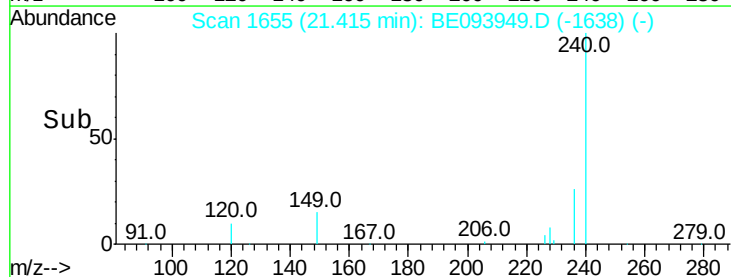
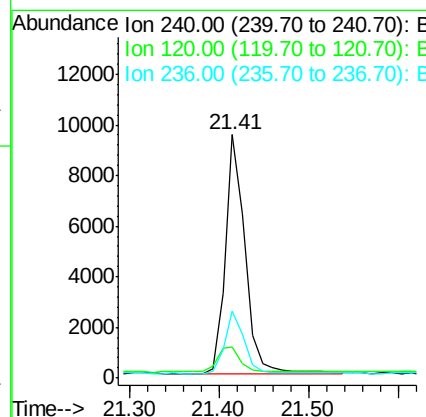
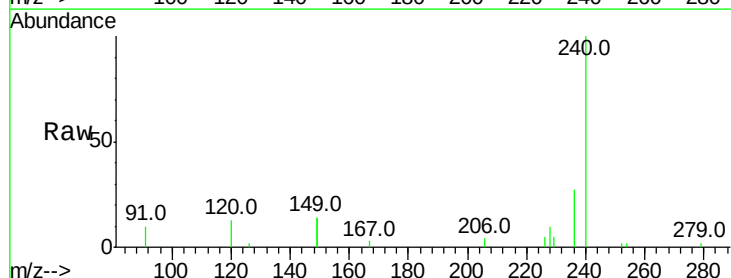
Instrument :
 BNA_E
 ClientSampleId :
 TW-1

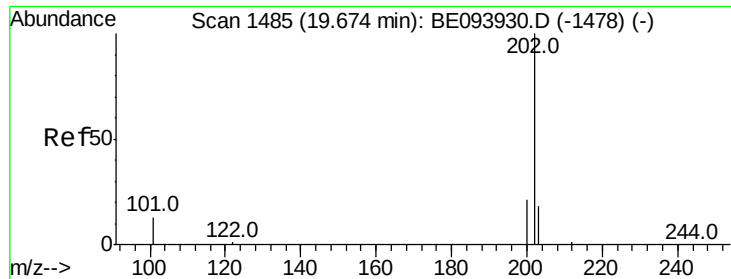
Tot Ion:202 Resp: 5292
 Ion Ratio Lower Upper
 202 100
 101 13.2 9.7 14.5
 203 17.2 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093949.D
 Acq: 5 Sep 2017 22:43

Tgt Ion:240 Resp: 14636
 Ion Ratio Lower Upper
 240 100
 120 12.6 8.7 13.1
 236 27.3 21.3 31.9

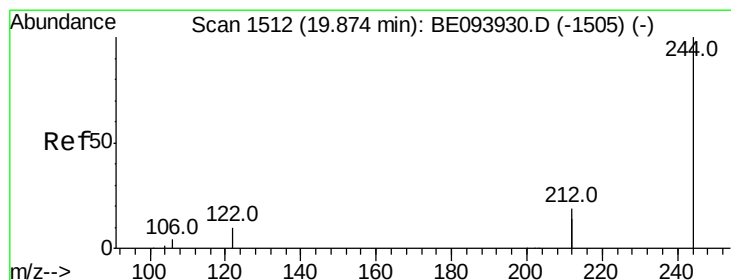
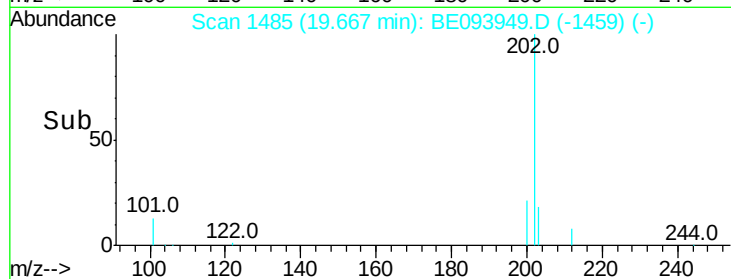
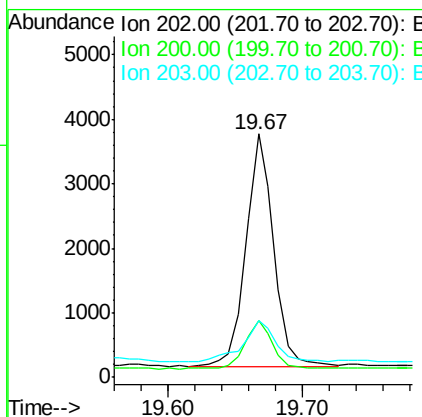
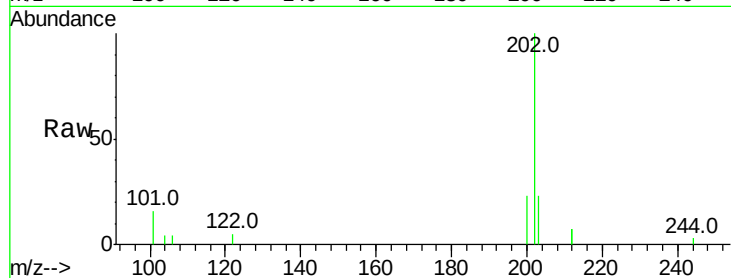




#28
Pvrene
Concen: 0.103 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

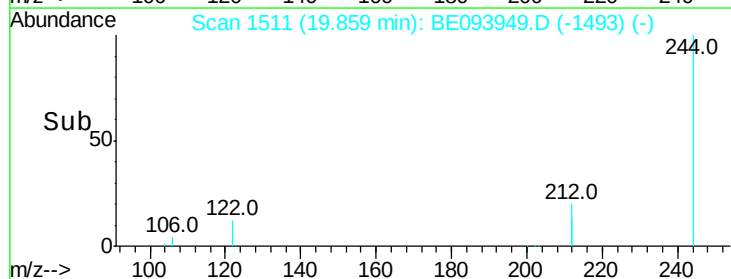
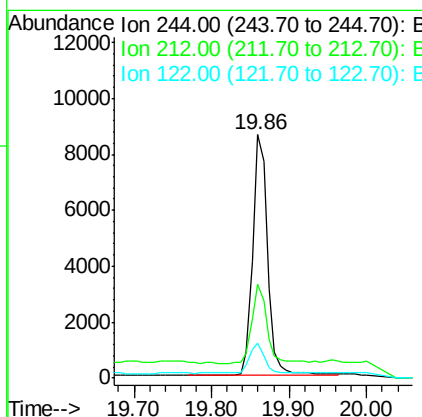
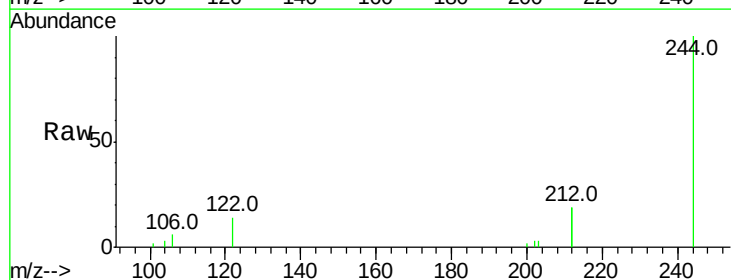
Instrument :
BNA_E
ClientSampleId :
TW-1

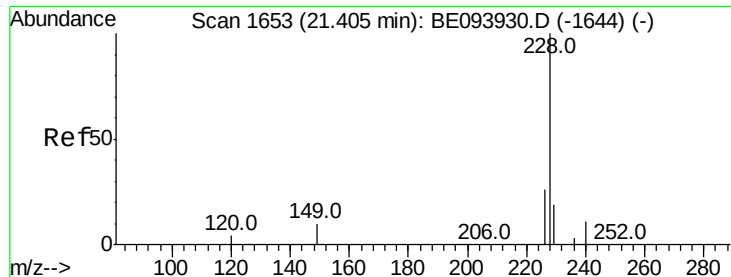
Tot Ion:202 Resp: 5190
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 19.9 14.2 21.4



#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

Tgt Ion:244 Resp: 11679
Ion Ratio Lower Upper
244 100
212 38.7 28.3 42.5
122 14.2 9.4 14.0#





#30

Benzo(a)anthracene

Concen: 0.086 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

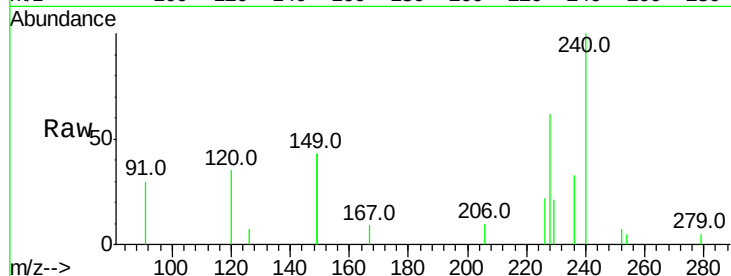
Tot Ion:228 Resp: 3847

Ion Ratio Lower Upper

228 100

226 35.4 20.8 31.2#

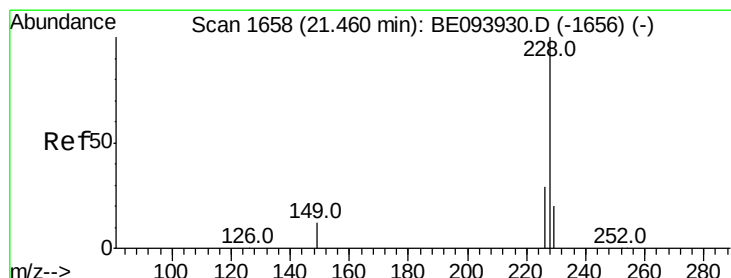
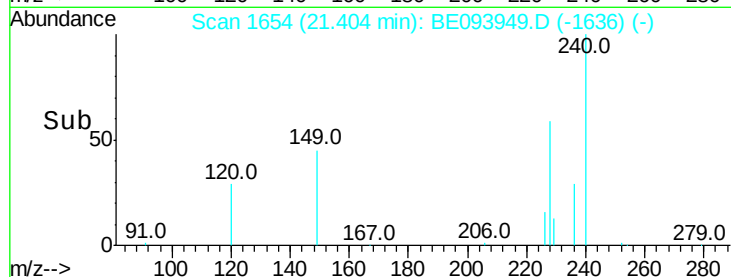
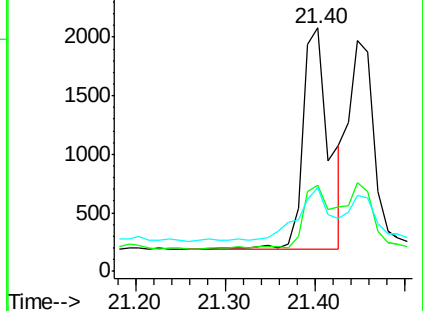
229 34.2 16.6 25.0#



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



#31

Chrysene

Concen: 0.073 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

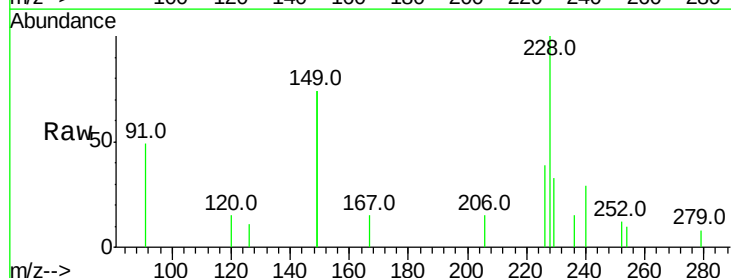
Tgt Ion:228 Resp: 3464

Ion Ratio Lower Upper

228 100

226 38.7 24.6 37.0#

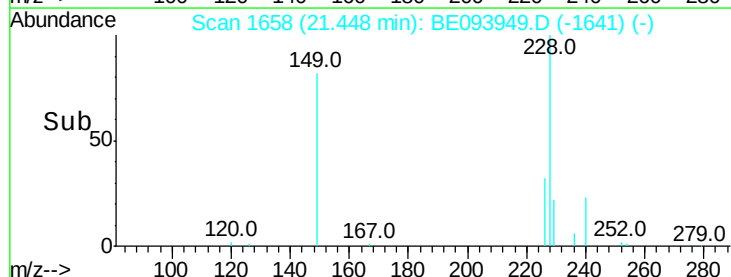
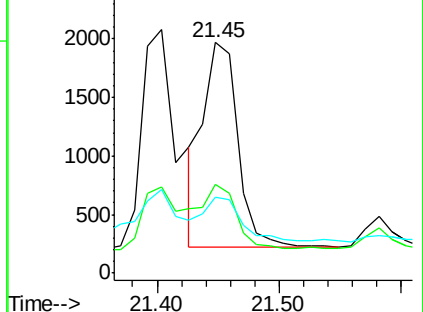
229 33.1 15.8 23.8#

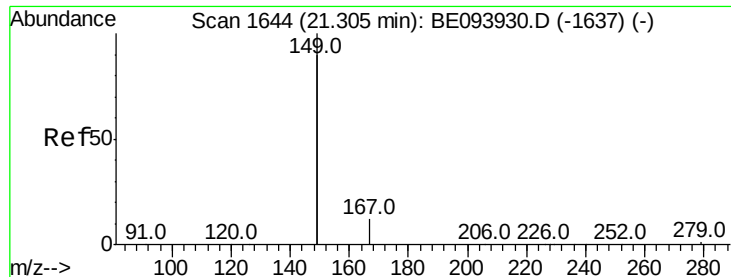


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

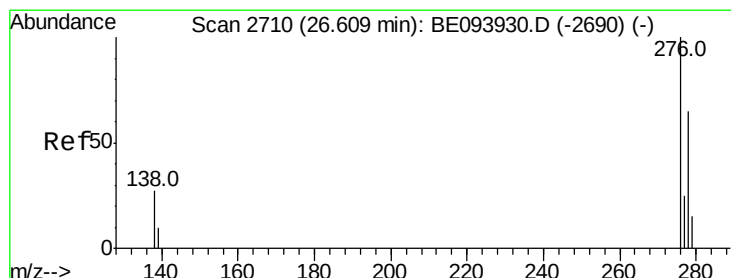
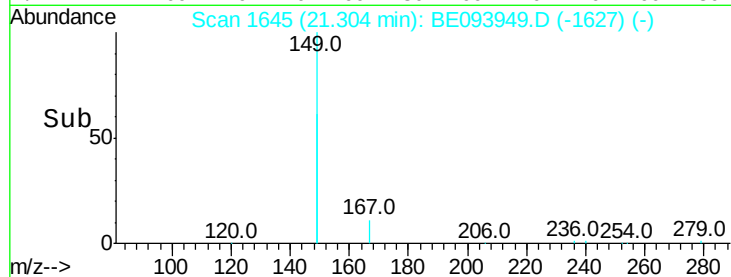
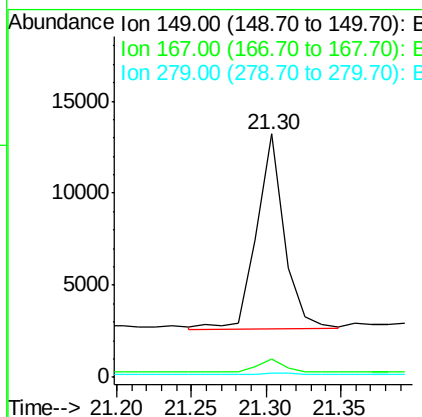
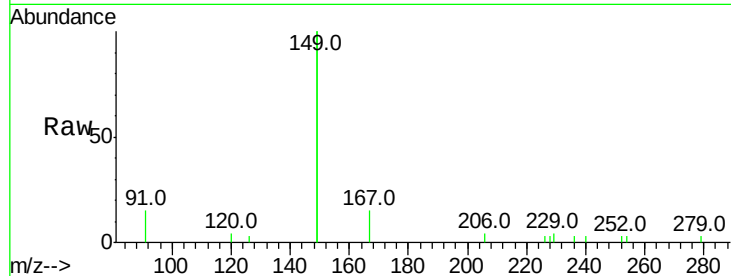




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.123 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093949.D
 Acq: 5 Sep 2017 22:43

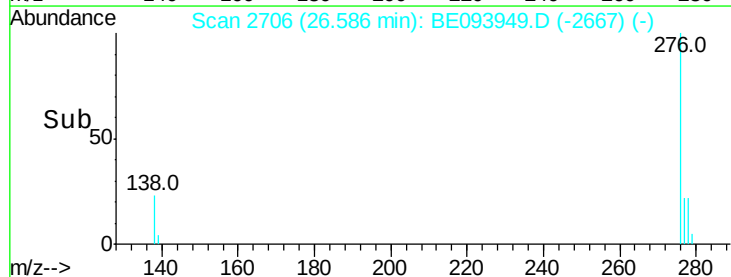
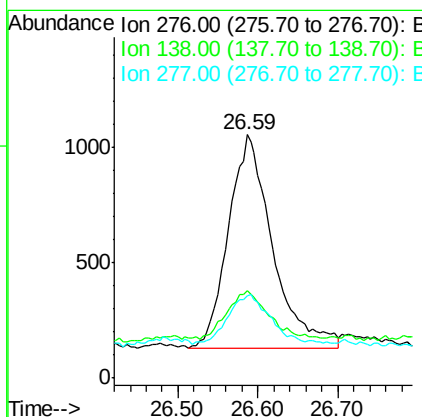
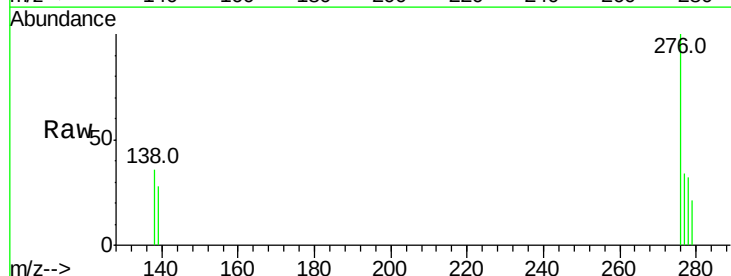
Instrument :
 BNA_E
 ClientSampleId :
 TW-1

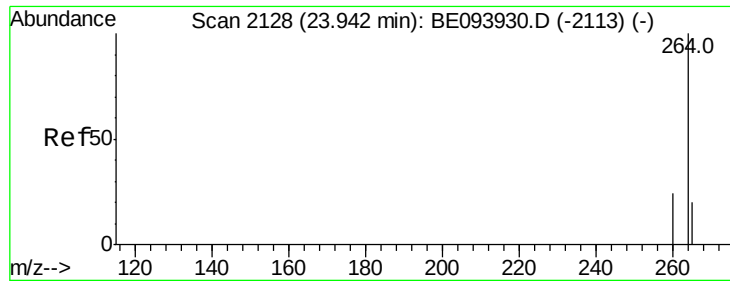
Tot Ion:149 Resp: 13451
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 1.1 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.112 ng
 RT: 26.59 min Scan# 2706
 Delta R.T. -0.02 min
 Lab File: BE093949.D
 Acq: 5 Sep 2017 22:43

Tgt Ion:276 Resp: 3540
 Ion Ratio Lower Upper
 276 100
 138 22.6 22.2 33.2
 277 21.2 19.5 29.3

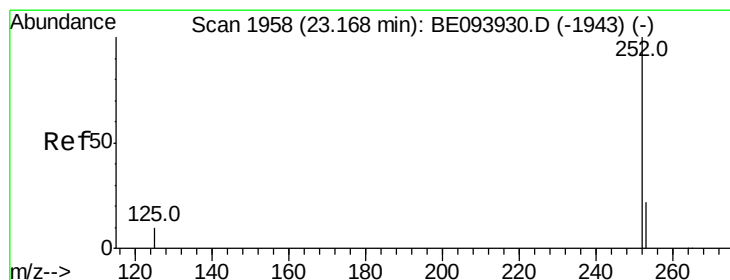
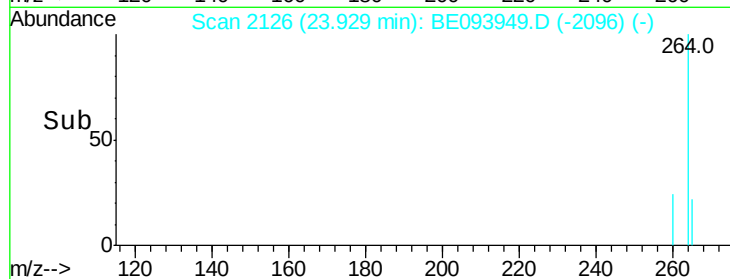
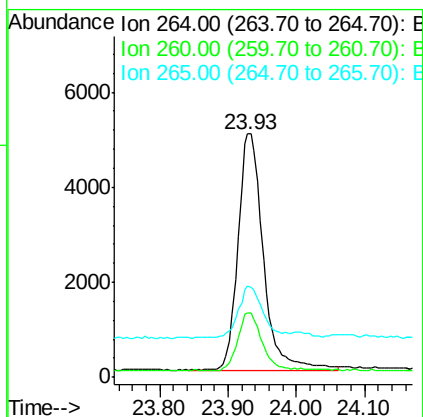
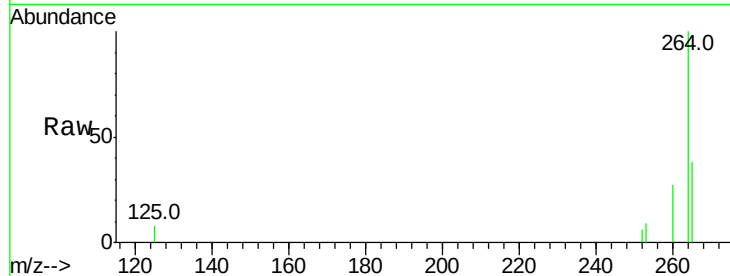




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

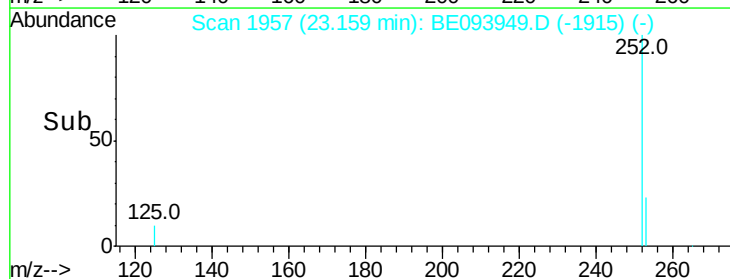
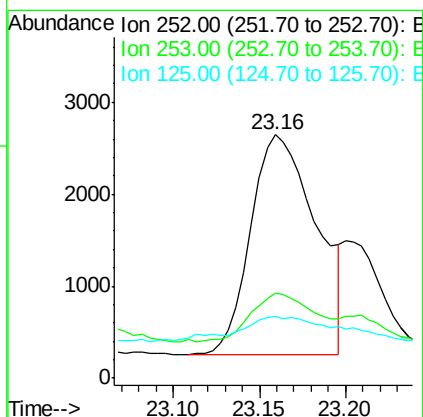
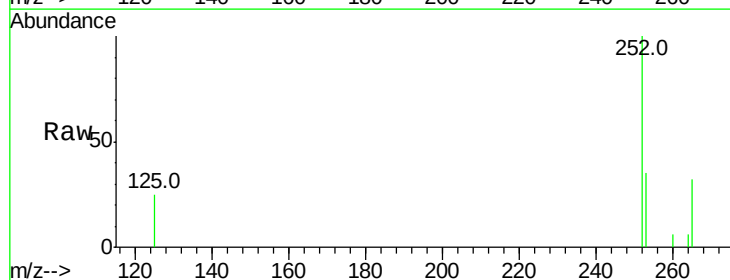
Instrument :
BNA_E
ClientSampleId :
TW-1

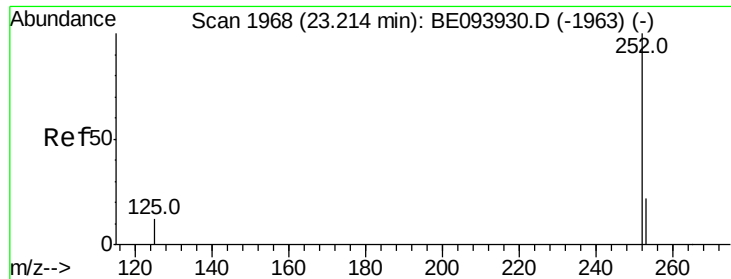
Tot Ion:264 Resp: 12883
Ion Ratio Lower Upper
264 100
260 26.5 20.0 30.0
265 37.6 24.0 36.0#



#35
Benzo(b)fluoranthene
Concen: 0.154 ng
RT: 23.16 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BE093949.D
Acq: 5 Sep 2017 22:43

Tgt Ion:252 Resp: 6318
Ion Ratio Lower Upper
252 100
253 35.0 19.4 29.0#
125 25.4 10.0 15.0#





#36

Benzo(k)fluoranthene

Concen: 0.126 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.05 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampleId :

TW-1

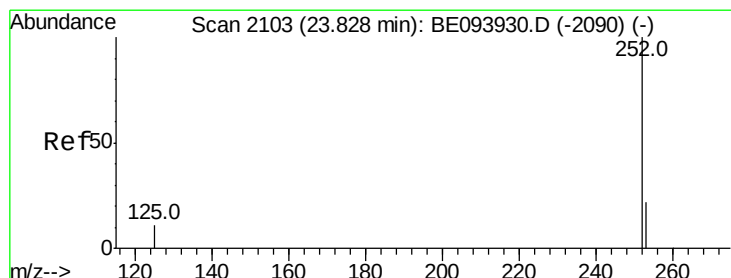
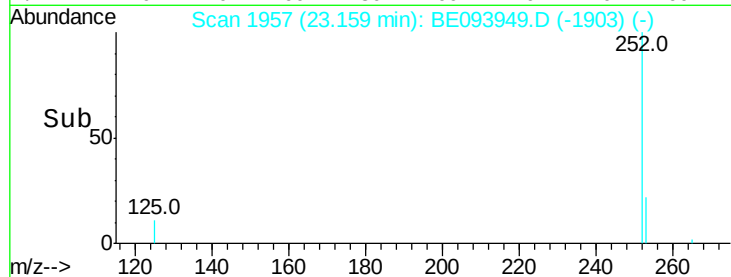
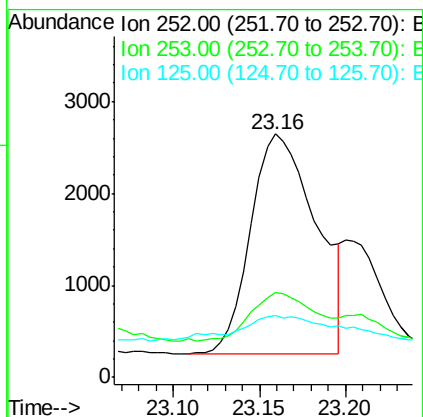
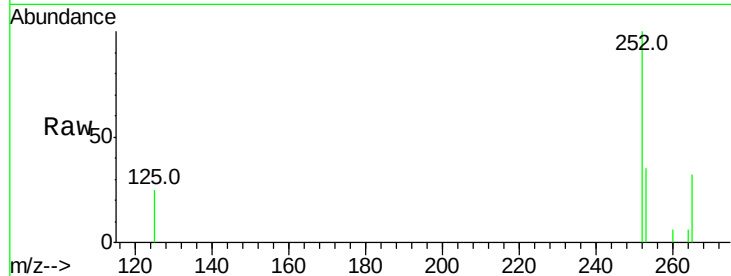
Tot Ion:252 Resp: 6318

Ion Ratio Lower Upper

252 100

253 35.0 18.1 27.1#

125 25.4 9.8 14.6#



#37

Benzo(a)pyrene

Concen: 0.122 ng

RT: 23.82 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

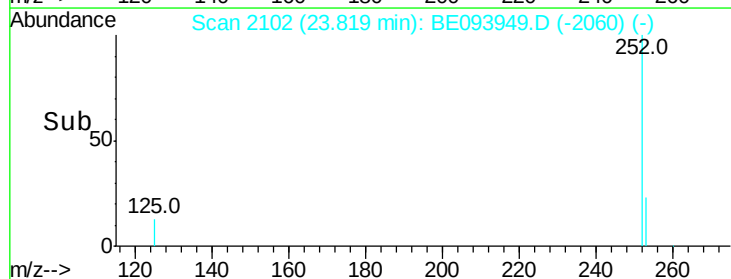
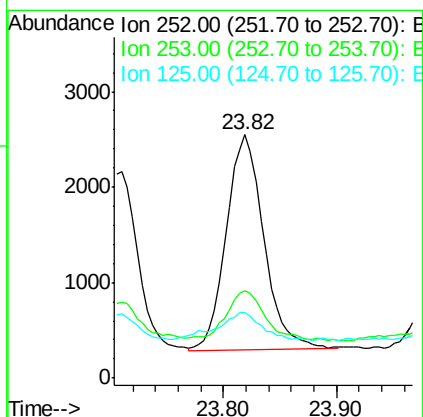
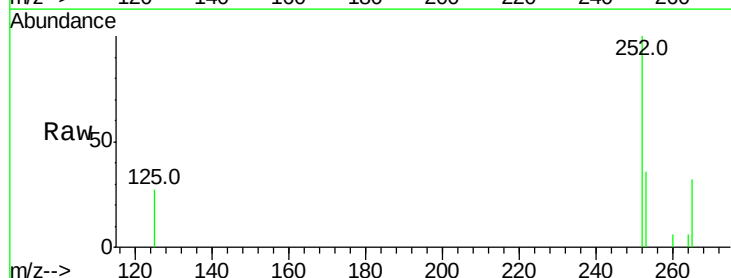
Tgt Ion:252 Resp: 5096

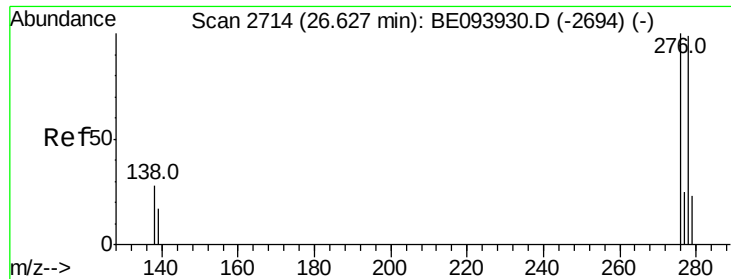
Ion Ratio Lower Upper

252 100

253 36.1 19.6 29.4#

125 27.0 11.8 17.8#





#38

Dibenzo(a,h)anthracene

Concen: 0.032 ng

RT: 26.59 min Scan# 2707

Delta R.T. -0.04 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Instrument :

BNA_E

ClientSampled :

TW-1

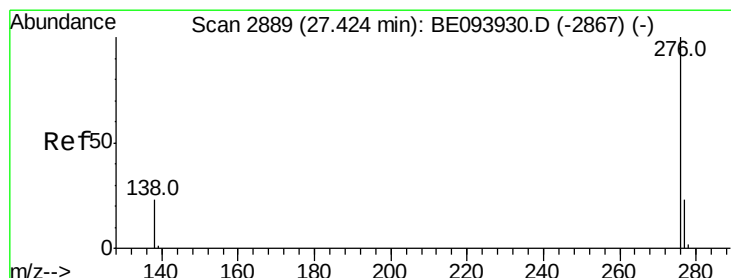
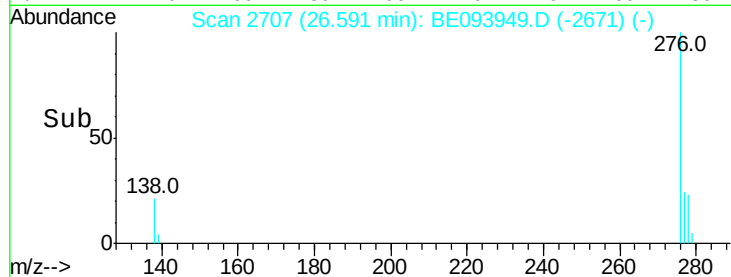
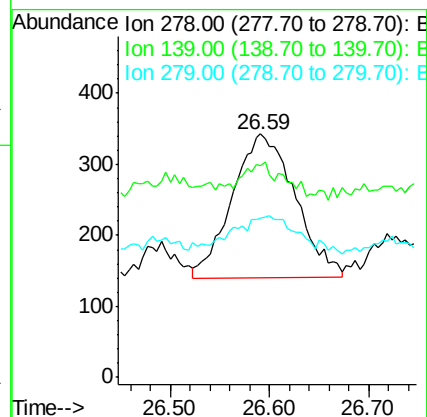
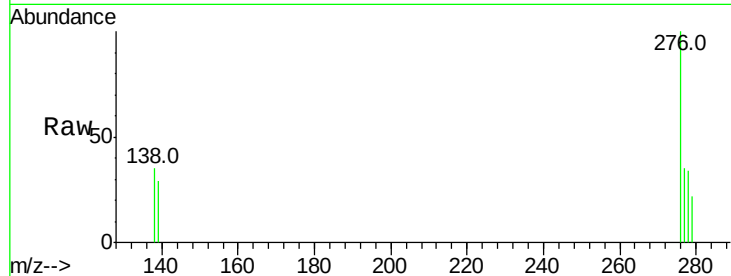
Tot Ion:278 Resp: 886

Ion Ratio Lower Upper

278 100

139 87.2 16.7 25.1#

279 65.6 21.6 32.4#



#39

Benzo(g,h,i)perylene

Concen: 0.121 ng

RT: 27.41 min Scan# 2886

Delta R.T. -0.02 min

Lab File: BE093949.D

Acq: 5 Sep 2017 22:43

Tgt Ion:276 Resp: 3538

Ion Ratio Lower Upper

276 100

277 36.7 20.6 30.8#

138 38.9 21.9 32.9#

