

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093993.D
 Acq On : 13 Sep 2017 17:34
 Operator : SJ/JU
 Sample : I5167-24
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 00:55:01 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	3201	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	18397	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	16067	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	41187	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	34632	0.40	ng	-0.01
34) Perylene-d12	23.93	264	25411	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	888	0.09	ng	0.00
5) Phenol-d6	7.11	99	730	0.05	ng	0.00
8) Nitrobenzene-d5	9.06	82	2851	0.18	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5744	0.20	ng	-0.01
14) 2,4,6-Tribromophenol	16.00	330	1566	0.31	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9331	0.15	ng	-0.01
25) Fluoranthene-d10	19.28	212	60849	0.10	ng	0.00
29) Terphenyl-d14	19.86	244	11877	0.19	ng	-0.01

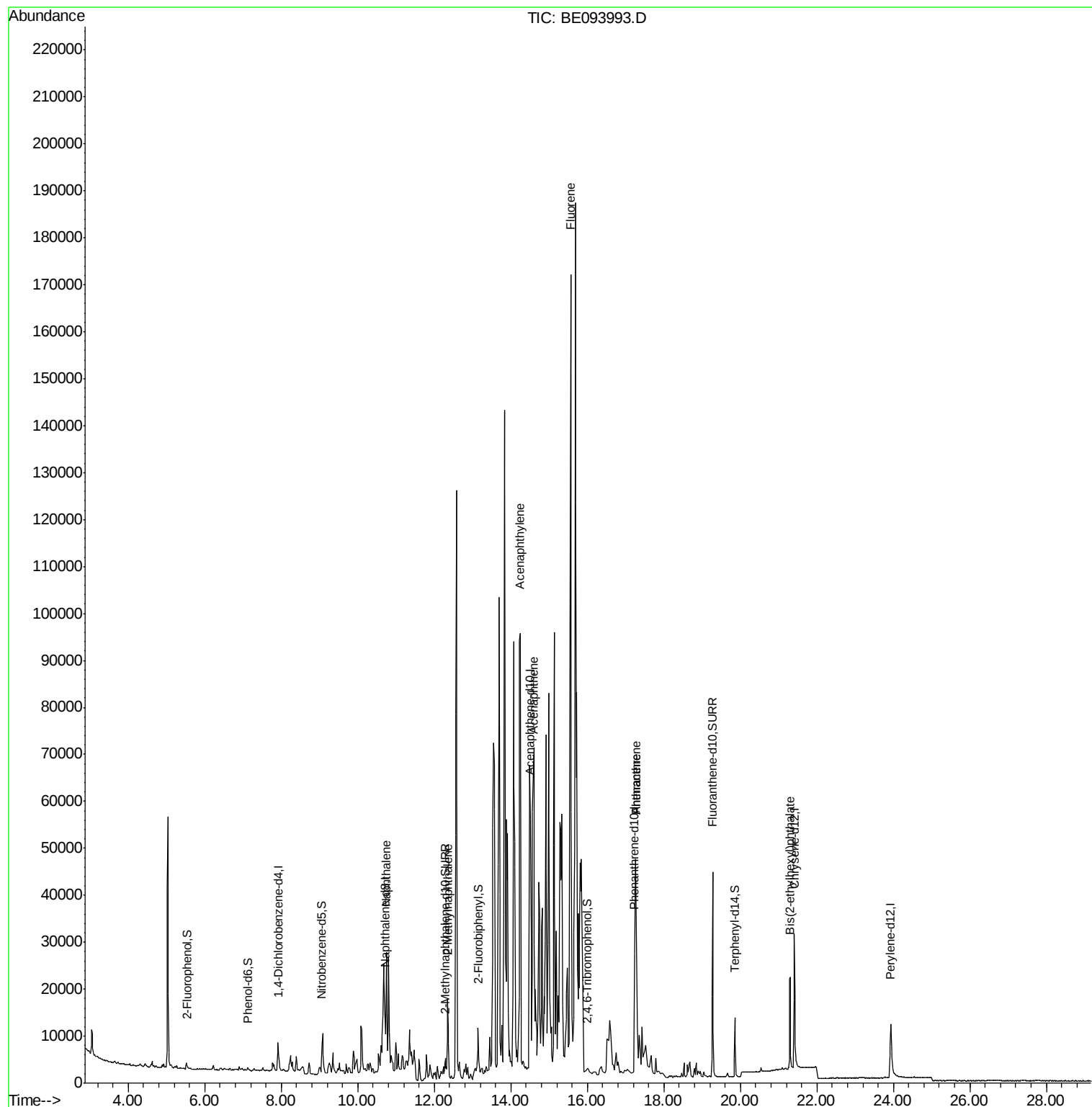
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.74	128	38576	0.183	ng	# 84
12) 2-Methylnaphthalene	12.35	142	12434	0.355	ng	# 96
16) Acenaphthylene	14.24	152	17041	0.212	ng	# 1
17) Acenaphthene	14.58	154	32533	0.600	ng	# 81
18) Fluorene	15.56	166	81346	1.163	ng	# 86
20) 4-Bromophenyl-phenylether	16.42	248	18	Below Cal		# 1
23) Phenanthrene	17.27	178	100972	0.887	ng	# 96
24) Anthracene	17.27	178	103599	0.826	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.29	149	27824	0.108	ng	# 98

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

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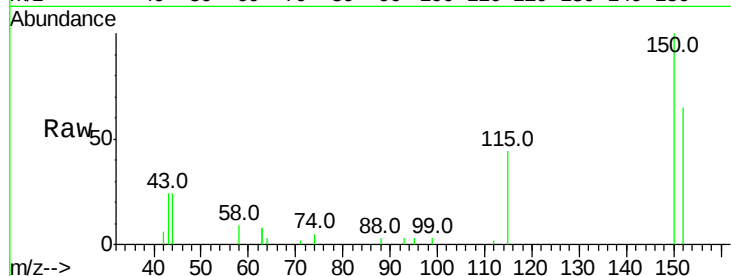


#1

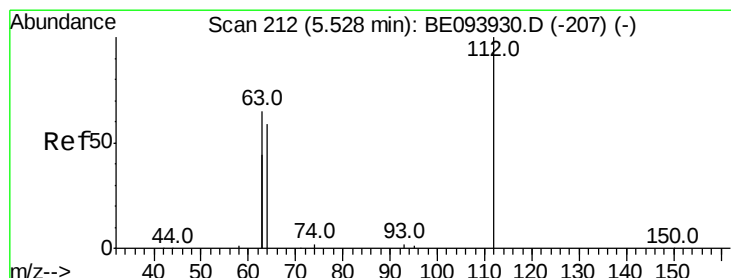
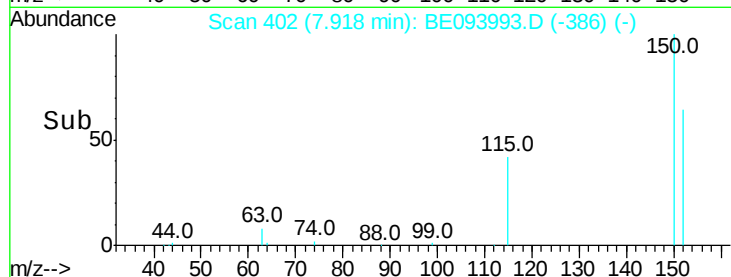
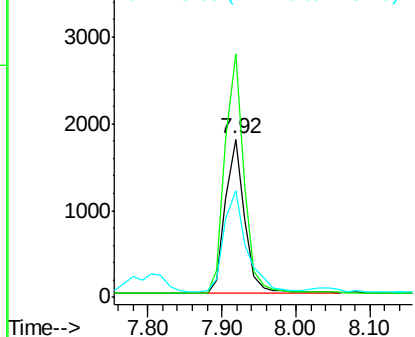
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3201
Ion Ratio Lower Upper
152 100
150 153.9 121.8 182.6
115 67.3 52.6 79.0



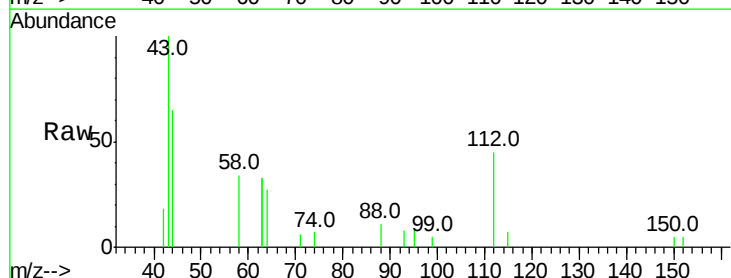
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



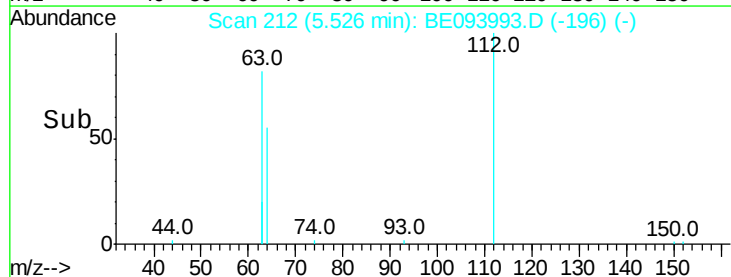
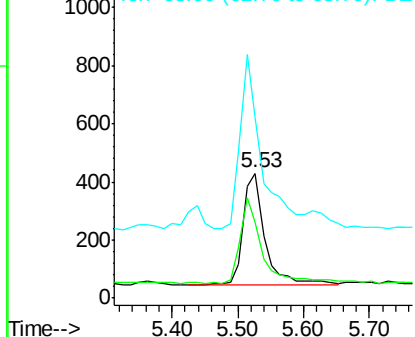
#4

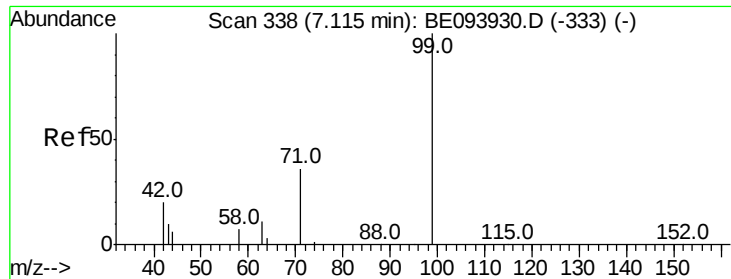
2-Fluorophenol
Concen: 0.086 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion:112 Resp: 888
Ion Ratio Lower Upper
112 100
64 75.2 57.7 86.5
63 156.0 116.0 174.0



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: 0.047 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

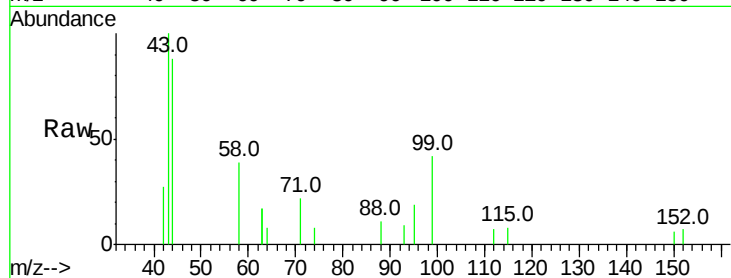
Tot Ion: 99 Resp: 730

Ion Ratio Lower Upper

99 100

42 24.9 17.1 25.7

71 34.5 26.6 39.8



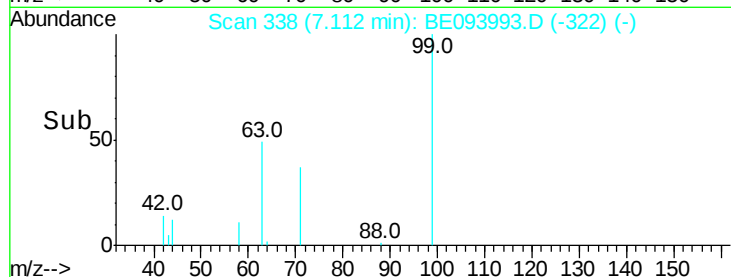
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

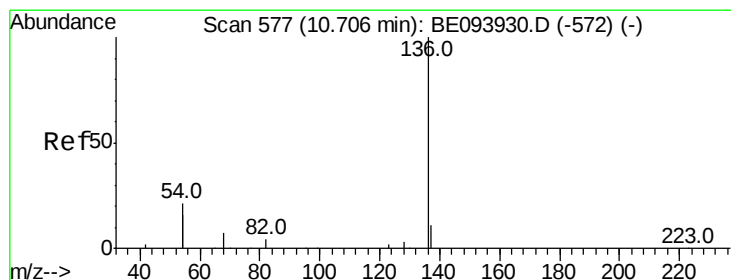
Ion 71.00 (70.70 to 71.70): BE0

7.11

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Tgt Ion: 136 Resp: 18397

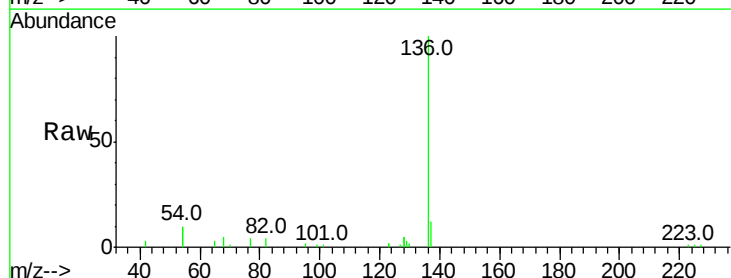
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 20.3 21.9 32.9#

68 4.7 4.6 7.0



Abundance Ion 136.00 (135.70 to 136.70): E

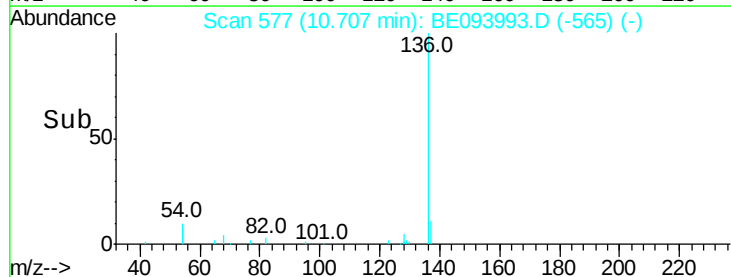
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

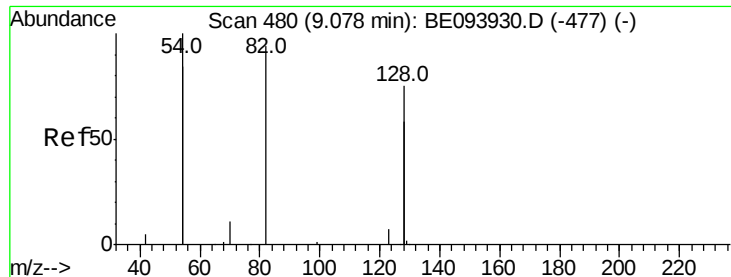
Ion 68.00 (67.70 to 68.70): BE0

10.71

Time-->



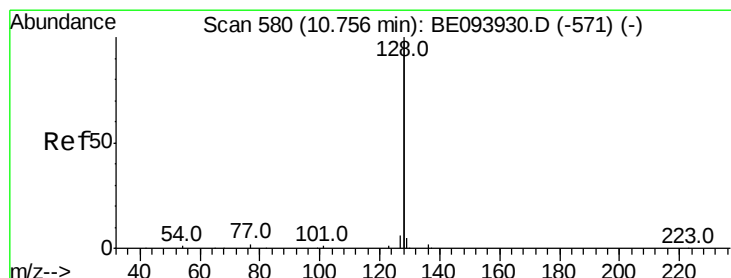
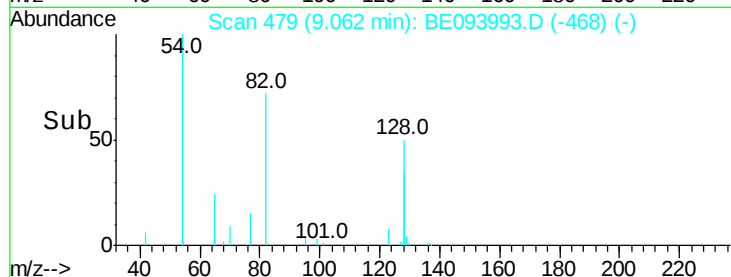
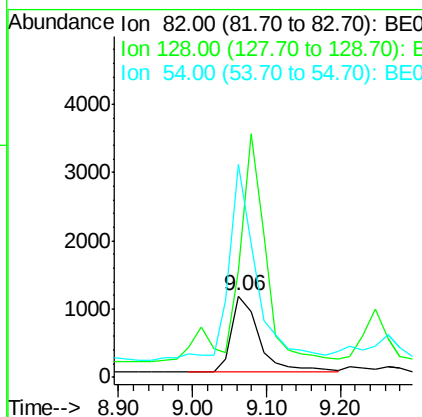
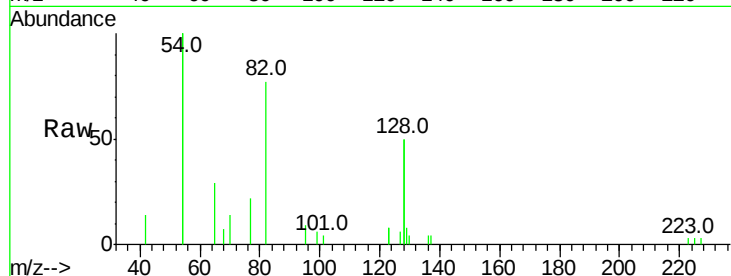
Time-->



#8
 Nitrobenzene-d5
 Concen: 0.183 ng
 RT: 9.06 min Scan# 479
 Delta R.T. -0.02 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

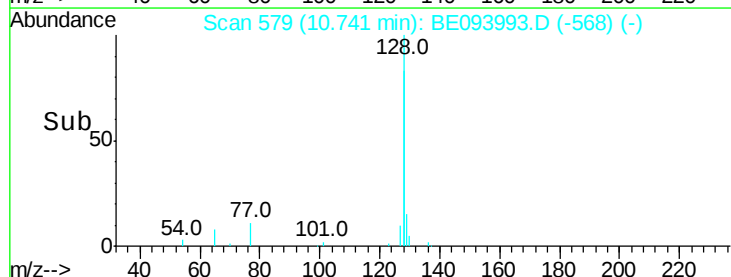
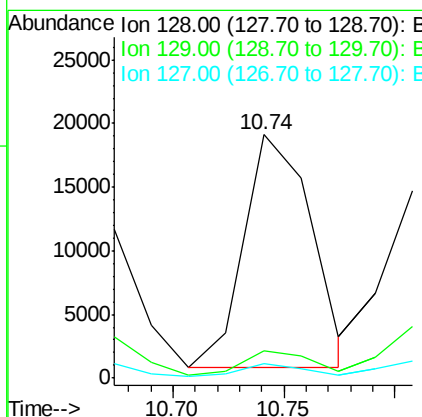
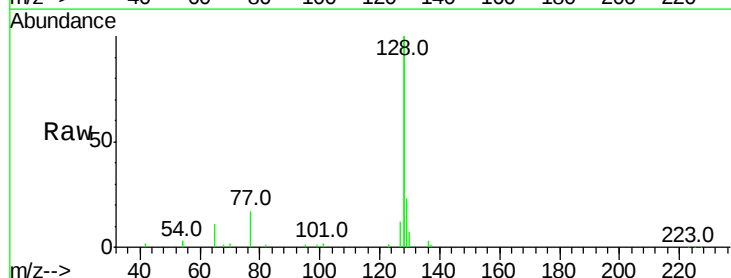
Instrument :
 BNA_E
 ClientSampleId :

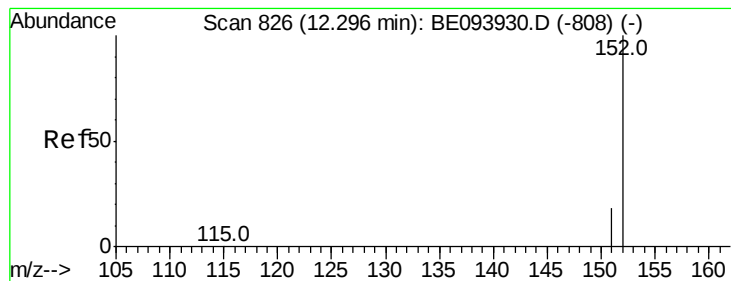
Tot Ion: 82 Resp: 2851
 Ion Ratio Lower Upper
 82 100
 128 130.5 91.4 137.0
 54 261.4 197.8 296.8



#9
 Naphthalene
 Concen: 0.183 ng
 RT: 10.74 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Tgt Ion: 128 Resp: 38576
 Ion Ratio Lower Upper
 128 100
 129 11.3 2.5 3.7#
 127 5.9 2.6 4.0#





#11

2-Methylnaphthalene-d10

Concen: 0.195 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

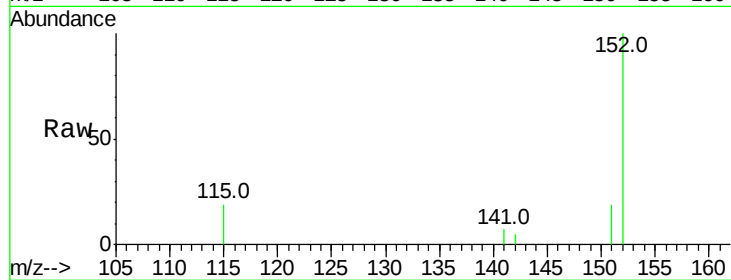
ClientSampleId :

Tot Ion:152 Resp: 5744

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

4000

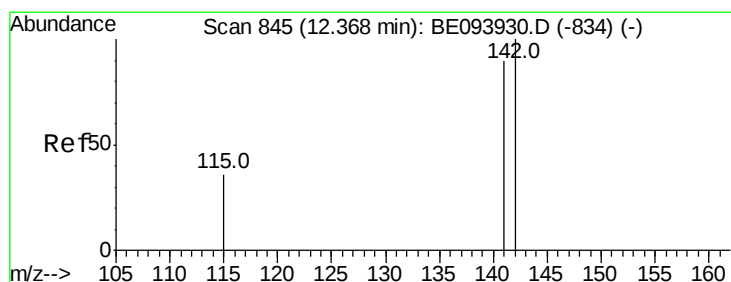
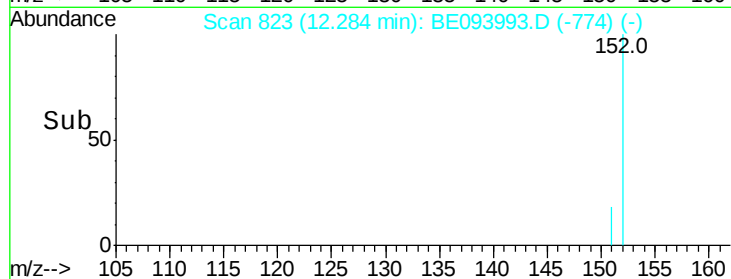
3000

2000

1000

0

Time--> 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.355 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

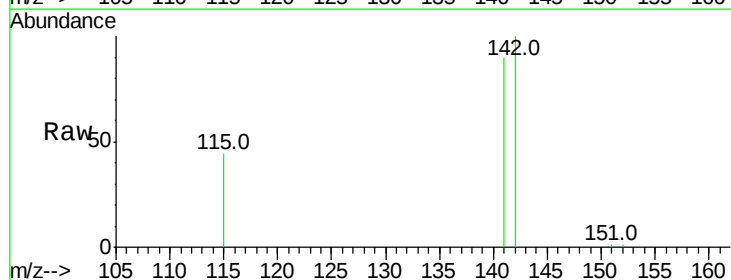
Tgt Ion:142 Resp: 12434

Ion Ratio Lower Upper

142 100

141 90.3 71.4 107.2

115 43.7 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

10000

8000

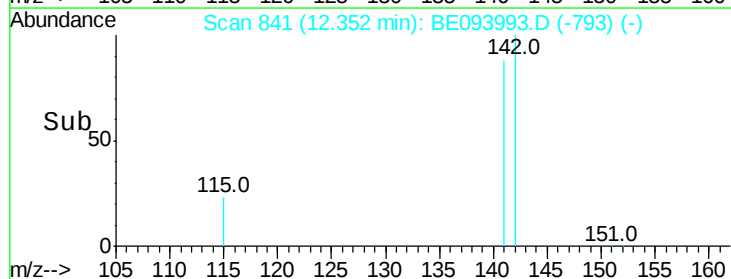
6000

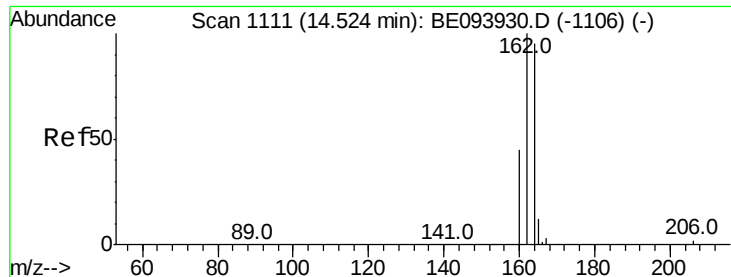
4000

2000

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

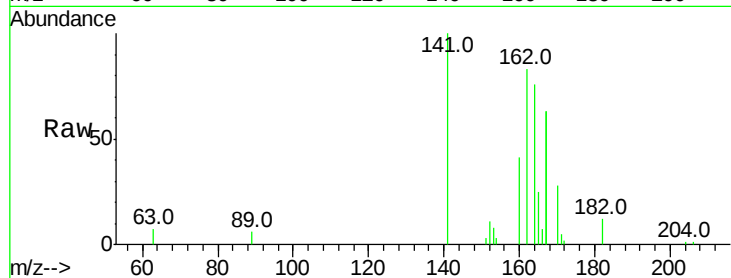
Tot Ion:164 Resp: 16067

Ion Ratio Lower Upper

164 100

162 108.7 80.8 121.2

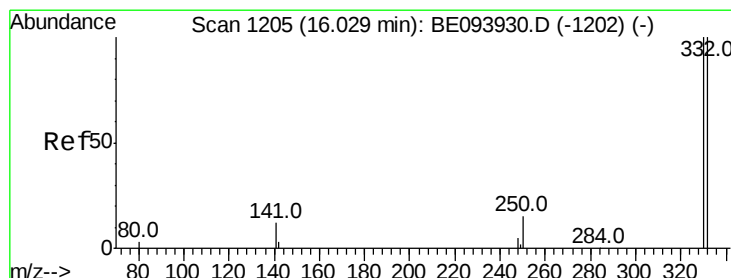
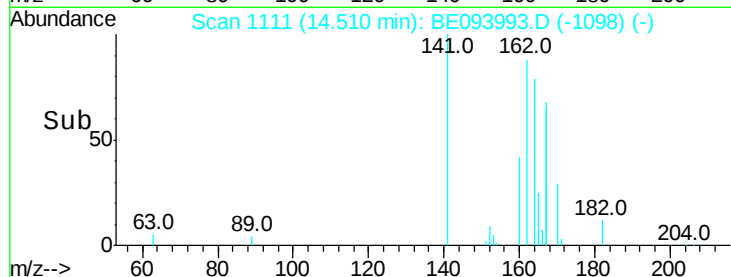
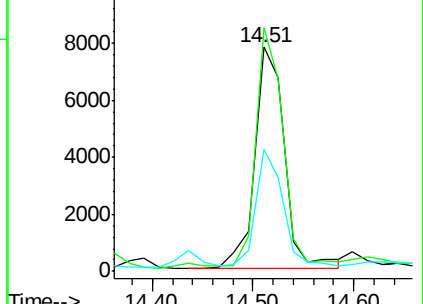
160 54.3 37.0 55.4



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: 0.315 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

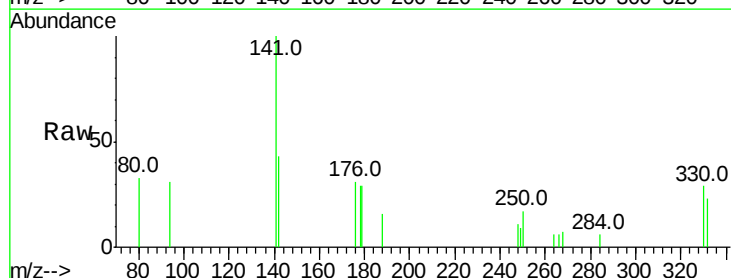
Tgt Ion:330 Resp: 1566

Ion Ratio Lower Upper

330 100

332 0.0 76.9 115.3#

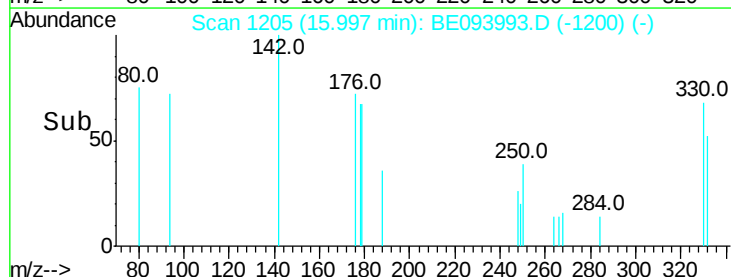
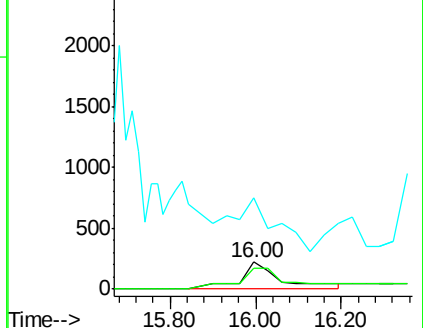
141 0.0 0.0 0.0

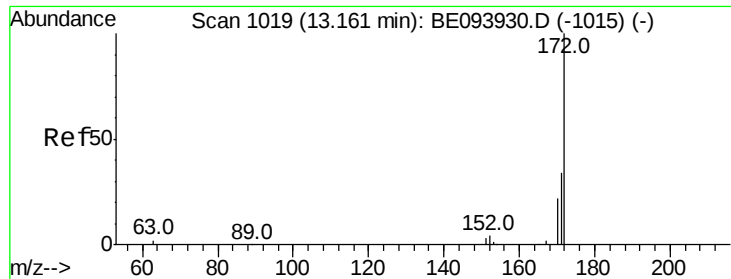


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

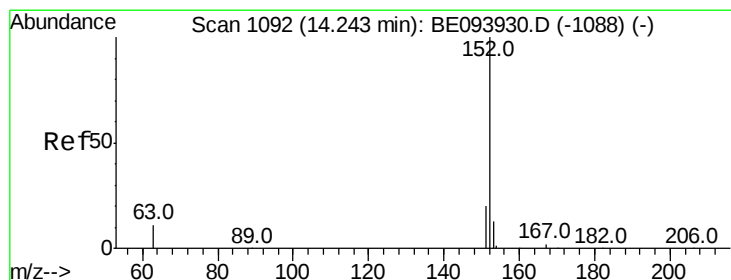
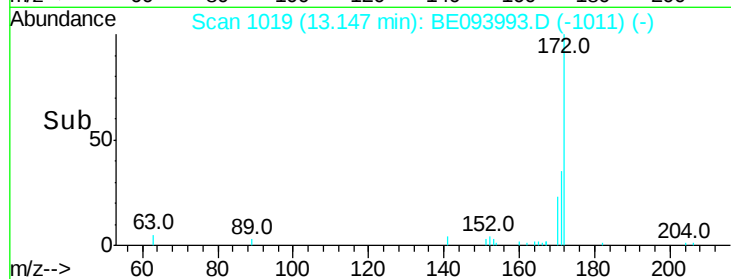
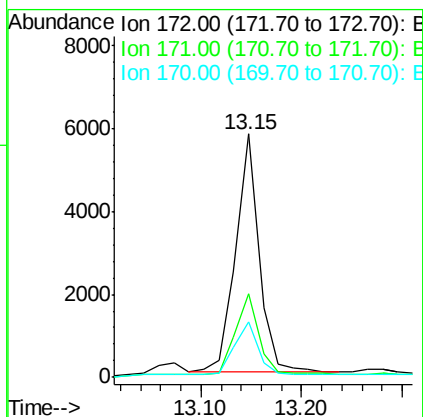
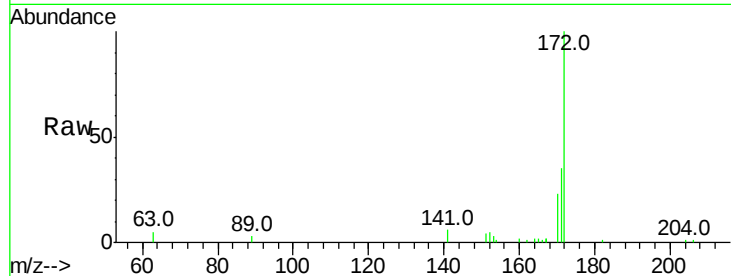




#15
2-Fluorobiphenyl
Concen: 0.147 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

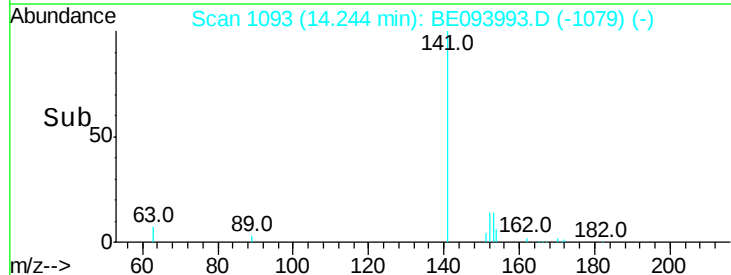
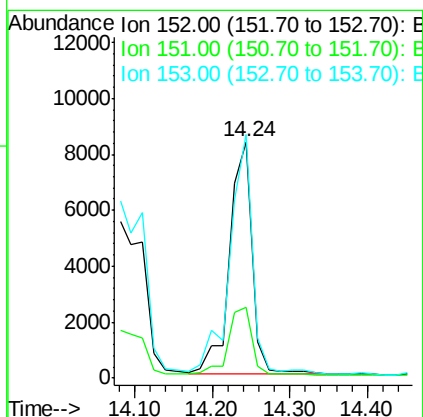
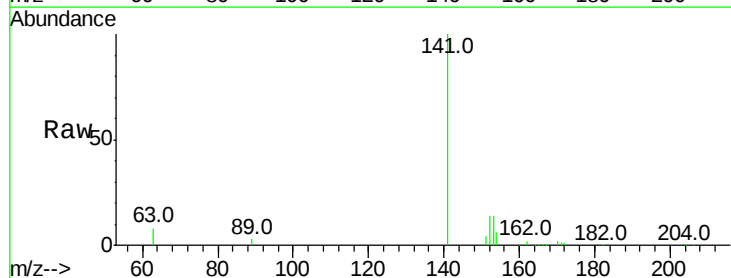
Instrument :
BNA_E
ClientSampleId :

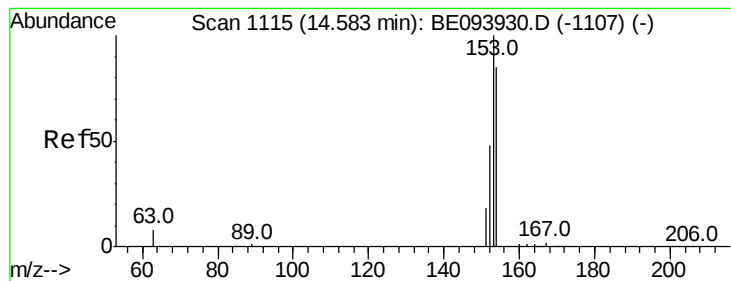
Tot Ion:172 Resp: 9331
Ion Ratio Lower Upper
172 100
171 34.5 26.9 40.3
170 22.7 17.3 25.9



#16
Acenaphthylene
Concen: 0.212 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion:152 Resp: 17041
Ion Ratio Lower Upper
152 100
151 30.7 15.7 23.5#
153 103.2 10.6 16.0#





#17

Acenaphthene

Concen: 0.600 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

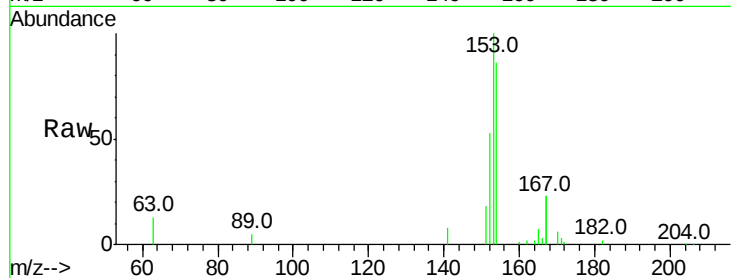
Tot Ion:154 Resp: 32533

Ion Ratio Lower Upper

154 100

153 130.7 91.8 137.6

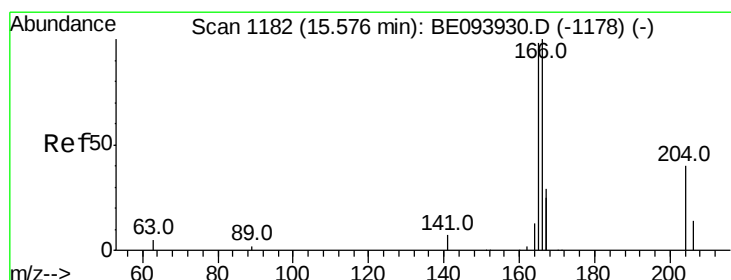
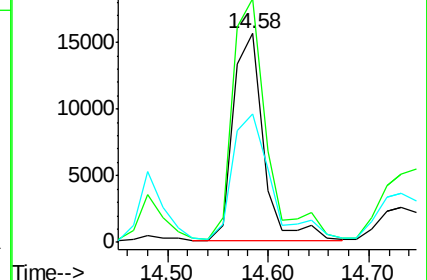
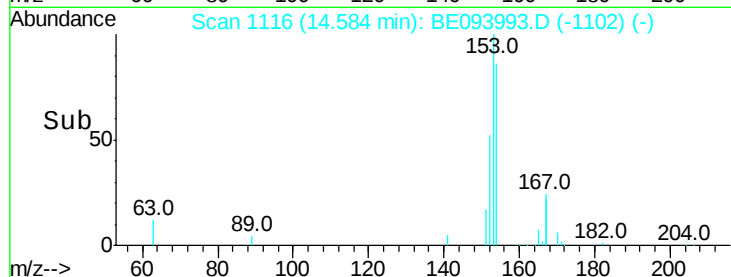
152 77.4 44.9 67.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 1.163 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

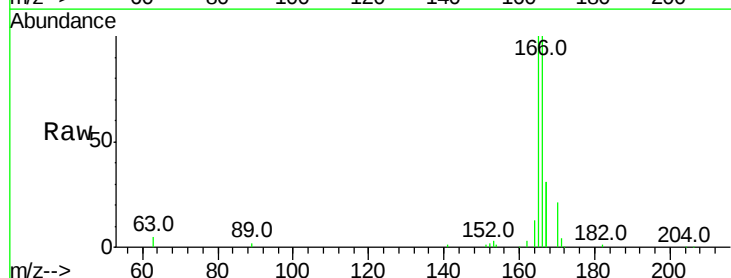
Tgt Ion:166 Resp: 81346

Ion Ratio Lower Upper

166 100

165 101.3 79.4 119.0

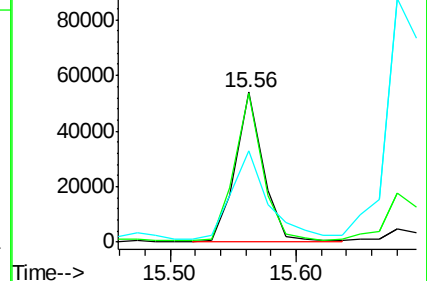
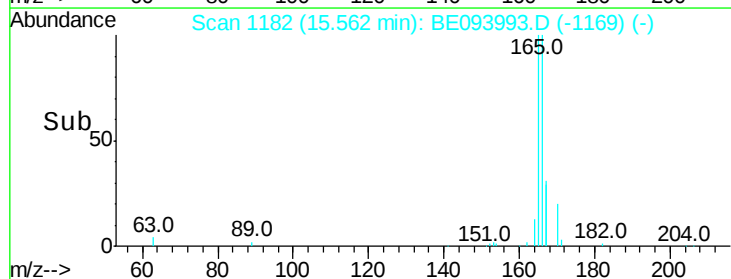
167 81.0 43.5 65.3#

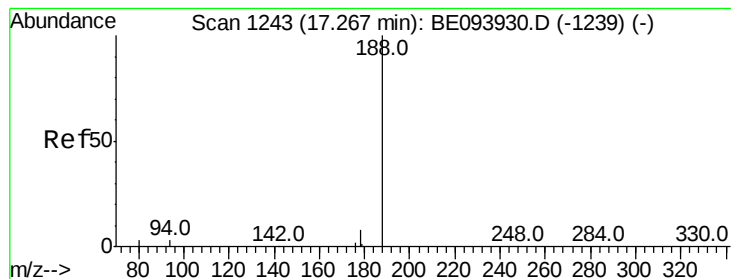


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampled :

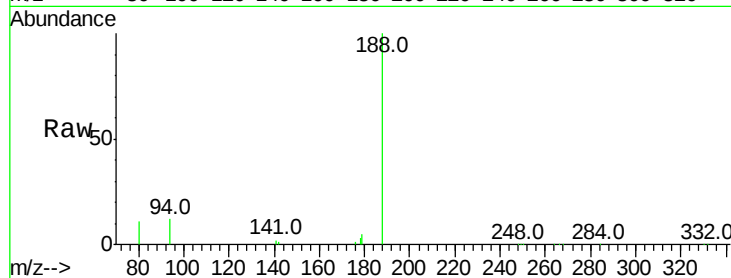
Tot Ion:188 Resp: 41187

Ion Ratio Lower Upper

188 100

94 11.6 16.1 24.1#

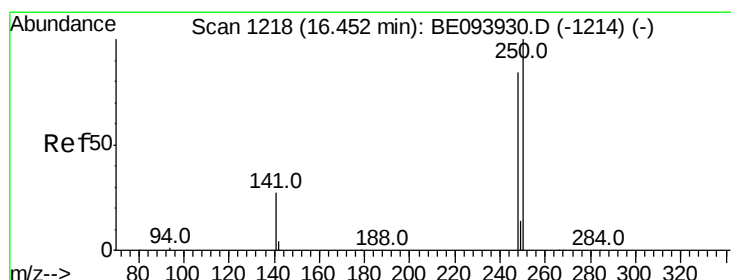
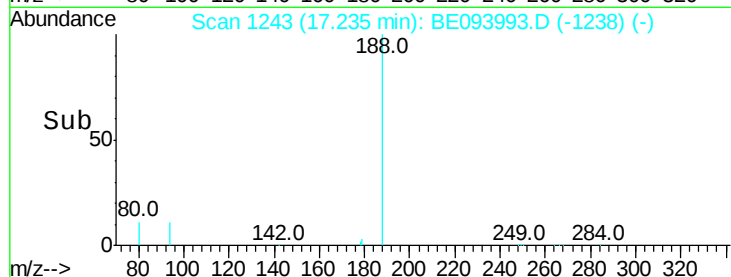
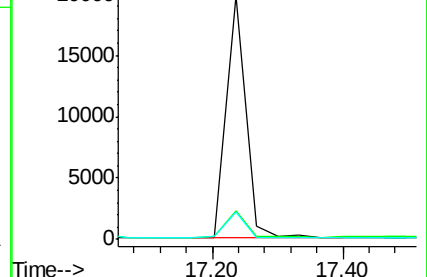
80 11.5 18.2 27.2#



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: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

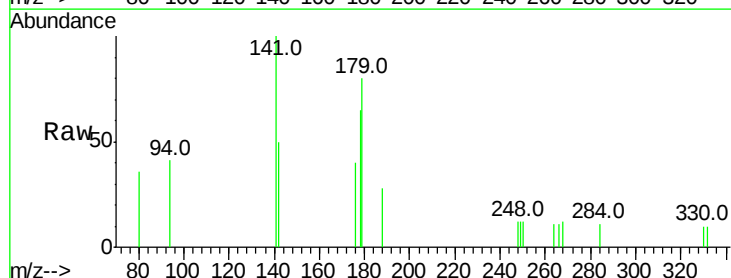
Tgt Ion:248 Resp: 18

Ion Ratio Lower Upper

248 100

250 100.0 111.8 167.8#

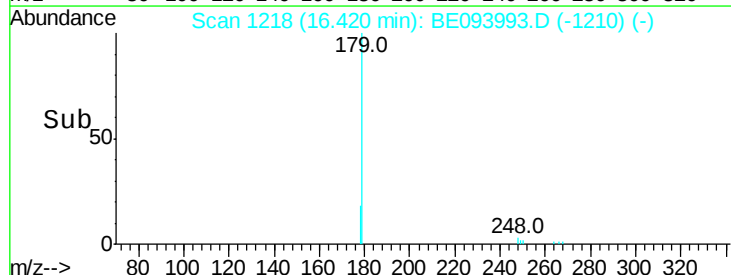
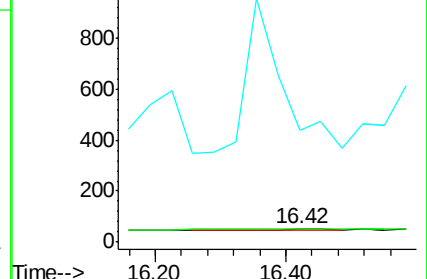
141 844.2 27.1 40.7#

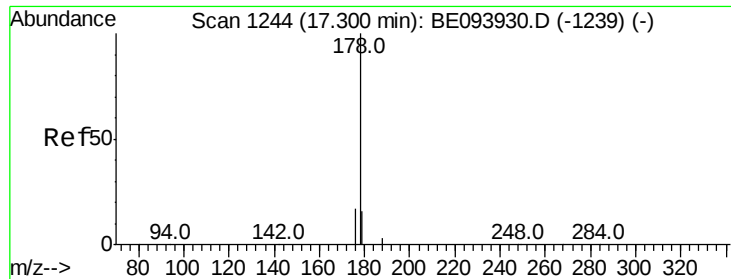


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

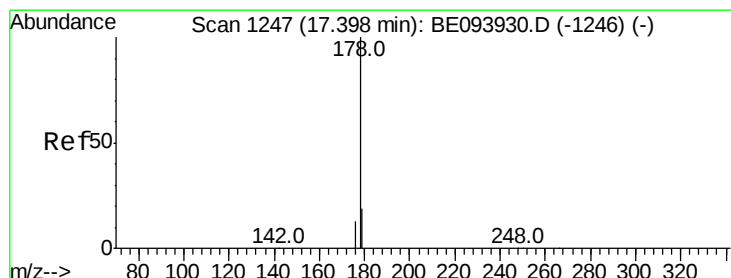
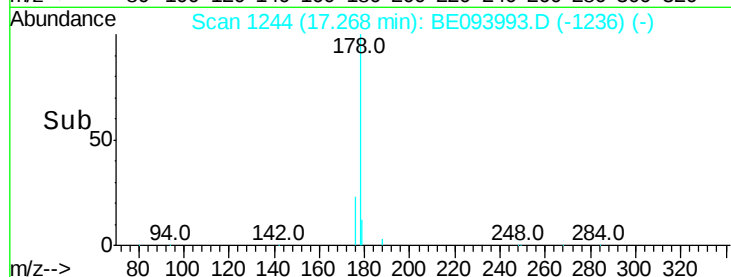
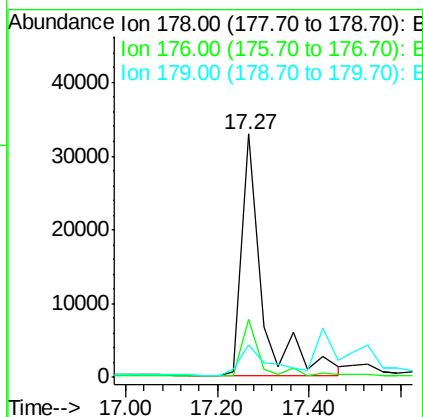
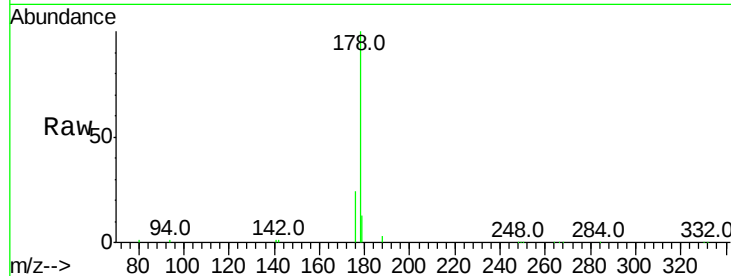




#23
Phenanthrene
Concen: 0.887 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

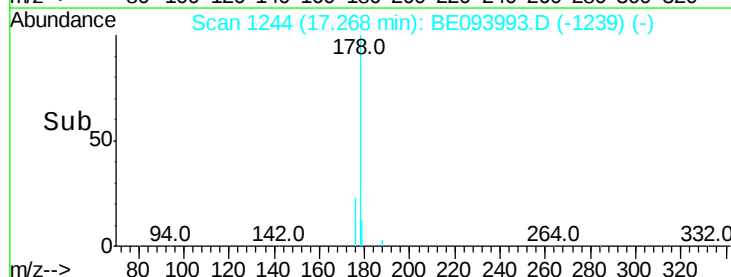
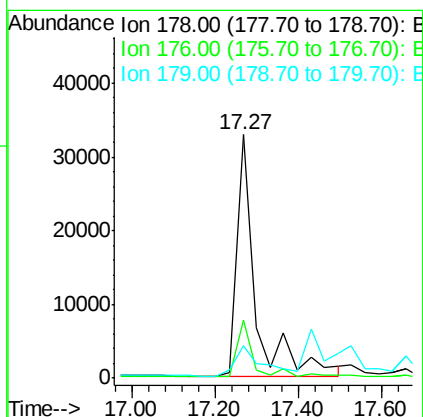
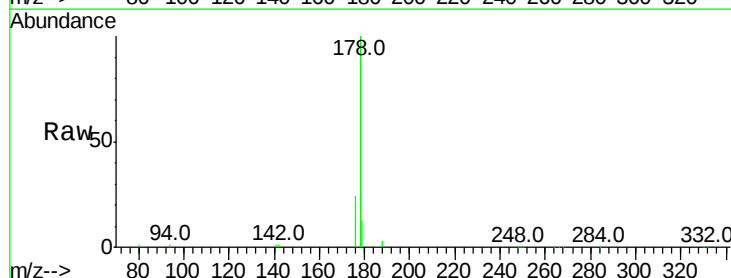
Instrument :
BNA_E
ClientSampleId :

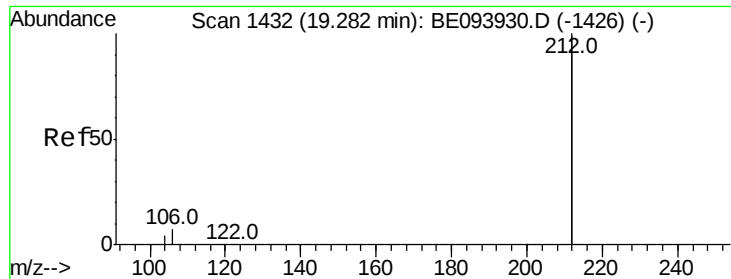
Tot Ion:178 Resp: 100972
Ion Ratio Lower Upper
178 100
176 17.2 0.0 0.0#
179 17.3 12.6 18.8



#24
Anthracene
Concen: 0.826 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.13 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion:178 Resp: 103599
Ion Ratio Lower Upper
178 100
176 16.8 16.0 24.0
179 16.9 0.0 0.0#

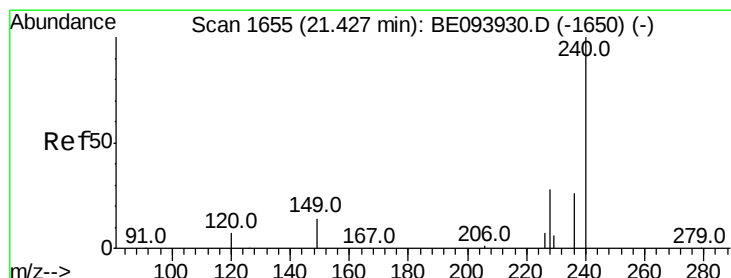
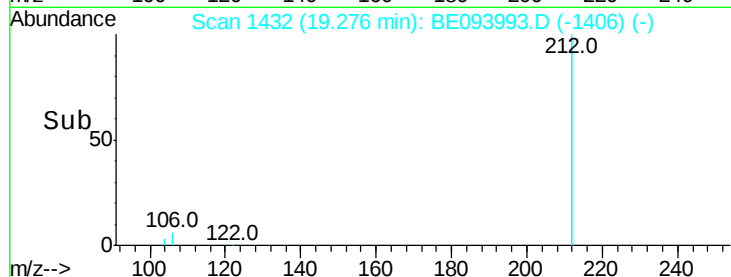
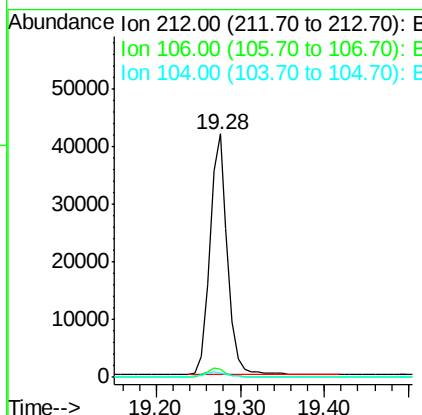
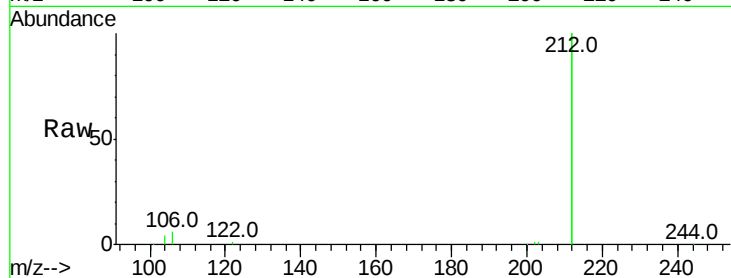




#25
 Fluoranthene-d10
 Concen: 0.099 ng
 RT: 19.28 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

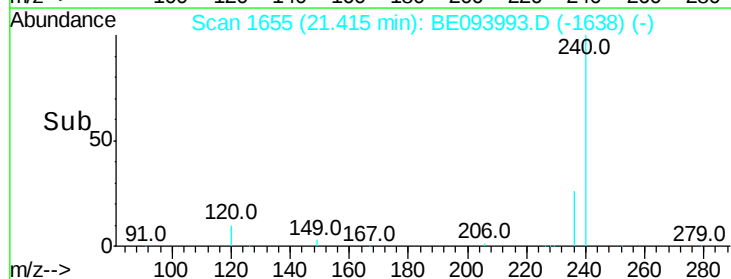
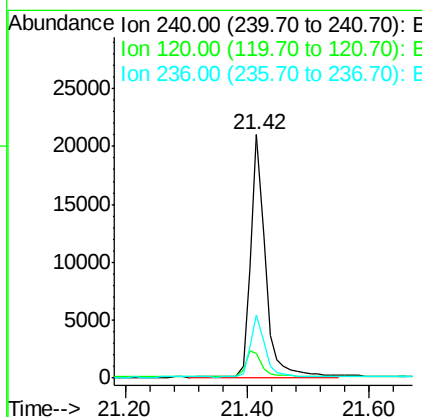
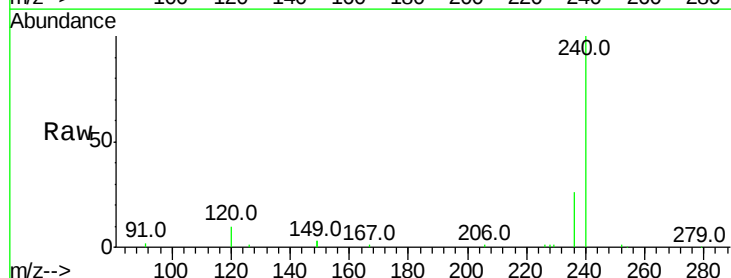
Instrument :
 BNA_E
 ClientSampleId :

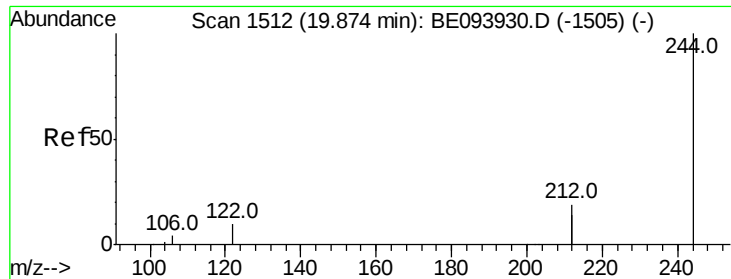
Tot Ion:212 Resp: 60849
 Ion Ratio Lower Upper
 212 100
 106 3.7 2.7 4.1
 104 2.3 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Tgt Ion:240 Resp: 34632
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.7 13.1
 236 26.0 21.3 31.9





#29

Terphenyl-d14

Concen: 0.186 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

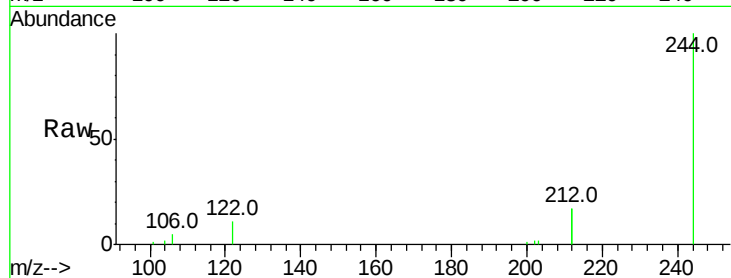
Tot Ion:244 Resp: 11877

Ion Ratio Lower Upper

244 100

212 34.5 28.3 42.5

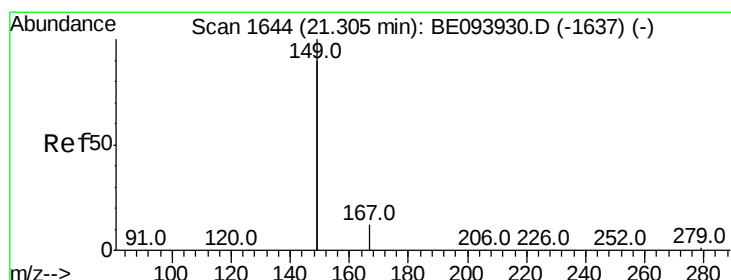
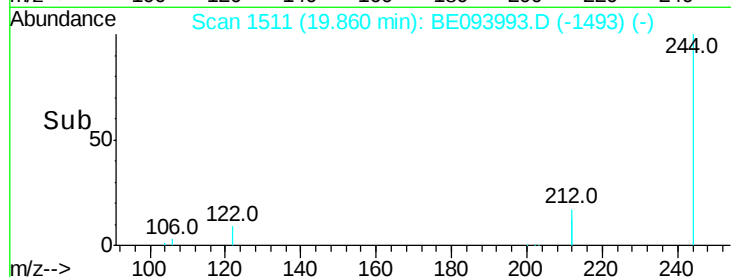
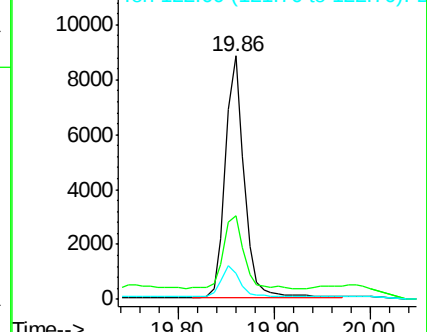
122 10.6 9.4 14.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.108 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

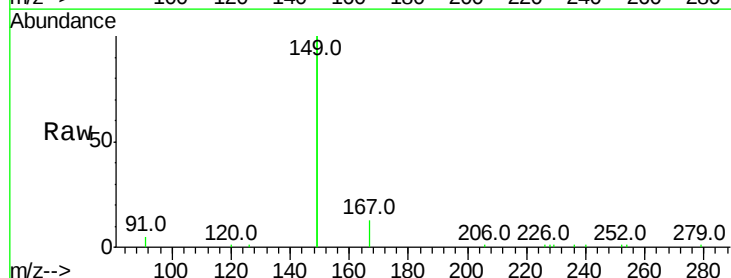
Tgt Ion:149 Resp: 27824

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

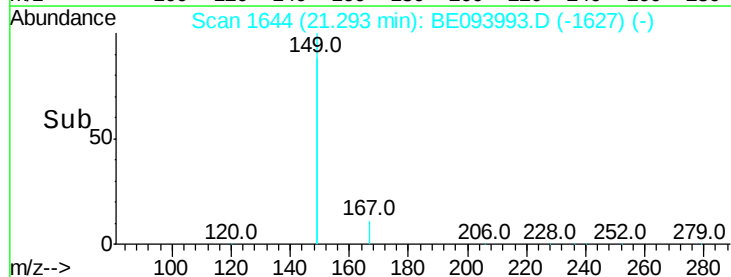
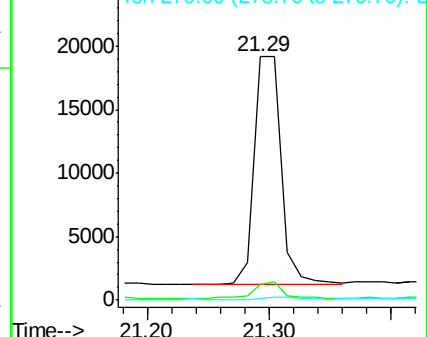
279 0.9 0.7 1.1

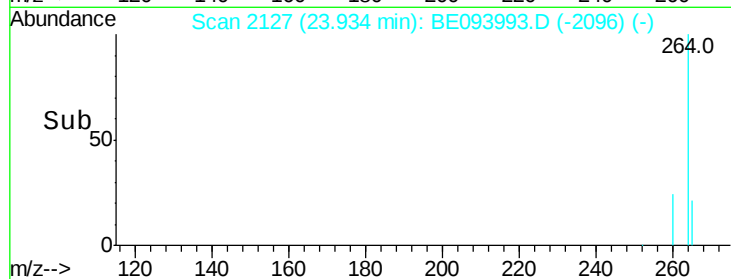
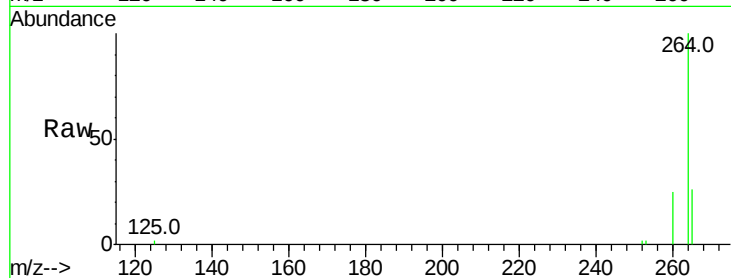
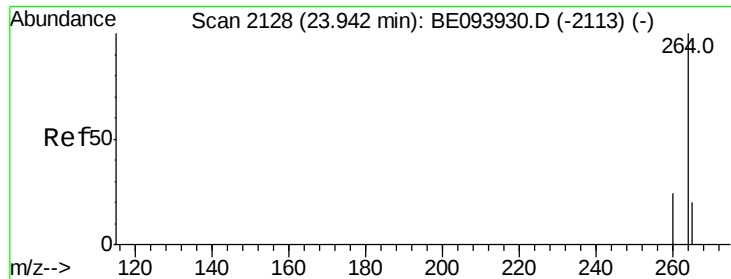


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 25411

Ion Ratio Lower Upper

264 100

260 25.0 20.0 30.0

265 26.1 24.0 36.0

