

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
 Data File : BE093940.D
 Acq On : 5 Sep 2017 17:09
 Operator : SJ/JU
 Sample : I4963-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3829-PA1

Quant Time: Sep 06 05:27:01 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	3006	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14609	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	8459	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	16534	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	18296	0.40	ng	-0.01
34) Perylene-d12	23.94	264	15400	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1697	0.17	ng	0.00
5) Phenol-d6	7.12	99	1530	0.10	ng	0.00
8) Nitrobenzene-d5	9.08	82	4494	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	7173	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	866	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	12850	0.38	ng	-0.01
25) Fluoranthene-d10	19.28	212	69214	0.28	ng	0.00
29) Terphenyl-d14	19.87	244	16717	0.50	ng	0.00

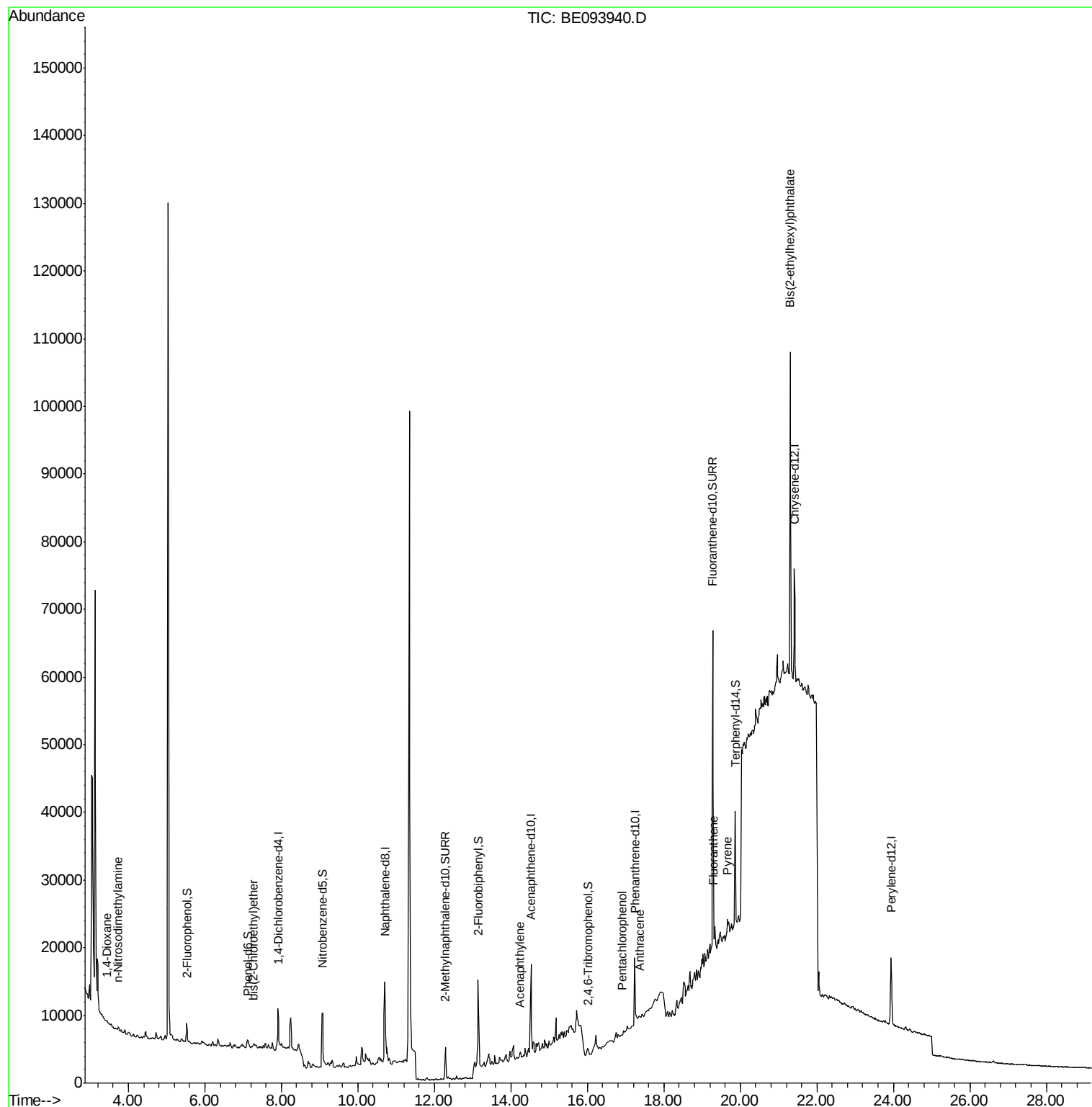
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	117	0.028	ng	# 18
3) n-Nitrosodimethylamine	3.72	42	116	0.024	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	996	0.084	ng	# 1
16) Acenaphthylene	14.24	152	937	0.022	ng	# 61
22) Pentachlorophenol	16.91	266	383	0.146	ng	# 81
23) Phenanthrene	17.37	178	5811	Below Cal		# 63
24) Anthracene	17.37	178	5926	0.118	ng	# 69
26) Fluoranthene	19.31	202	2042	0.028	ng	# 73
28) Pyrene	19.67	202	2954	0.047	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.30	149	56943	0.417	ng	# 97

(#) = 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: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

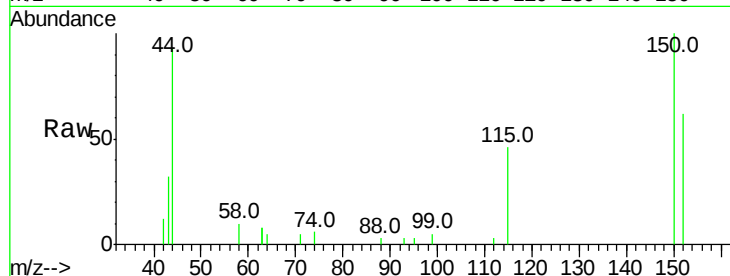
Tot Ion:152 Resp: 3006

Ion Ratio Lower Upper

152 100

150 160.2 121.8 182.6

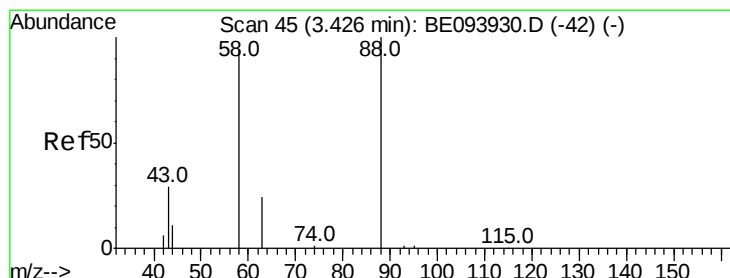
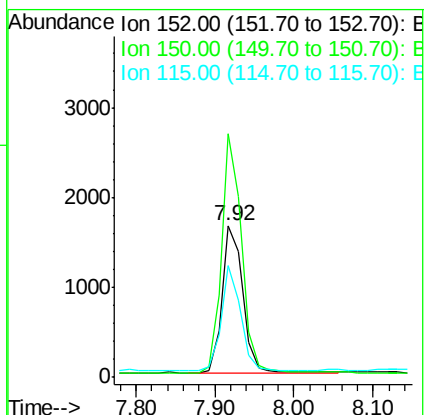
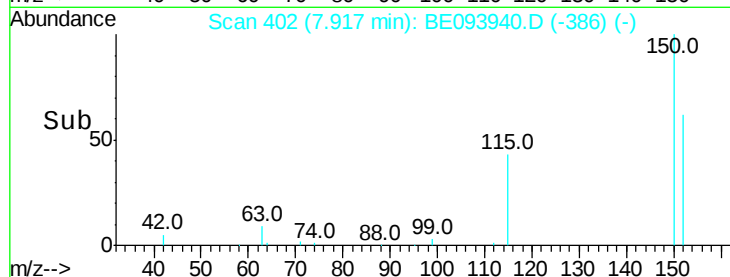
115 73.3 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.028 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

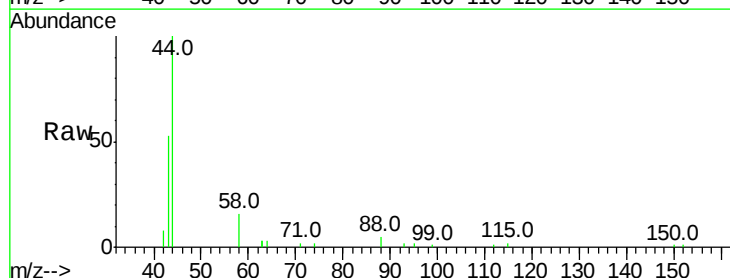
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

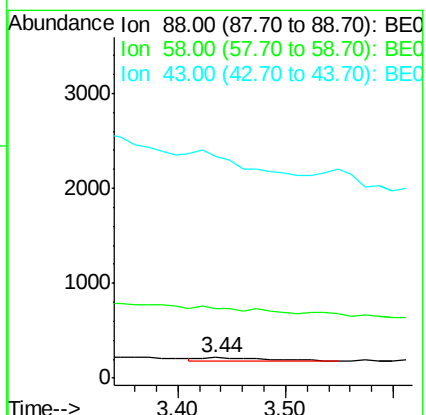
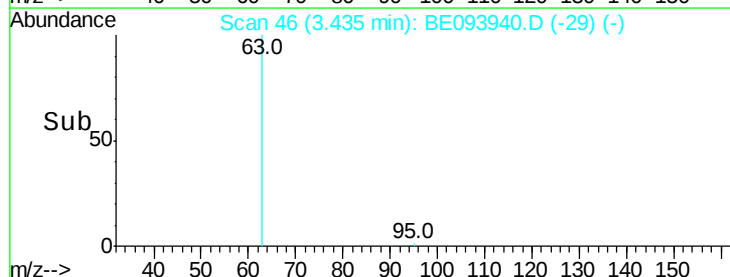
43 0.0 23.9 35.9#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.024 ng

RT: 3.72 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampled :

3829-PA1

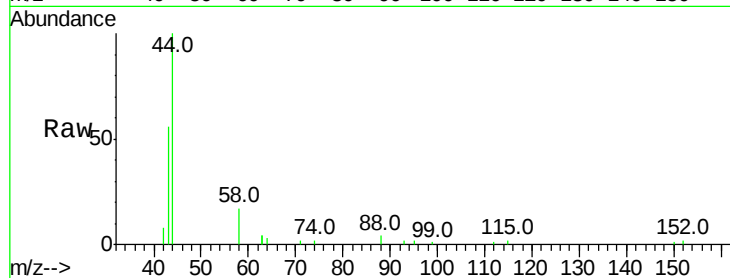
Tot Ion: 42 Resp: 116

Ion Ratio Lower Upper

42 100

74 4.3 104.0 156.0#

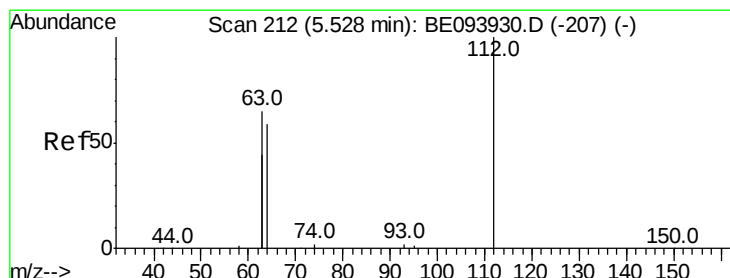
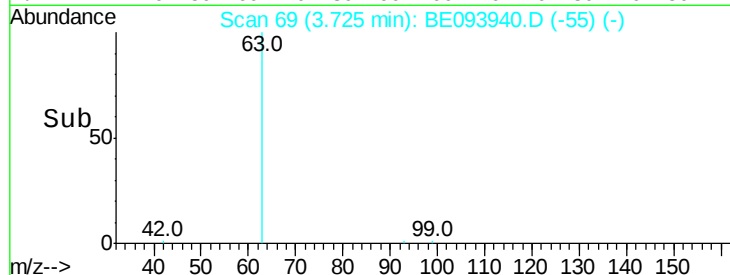
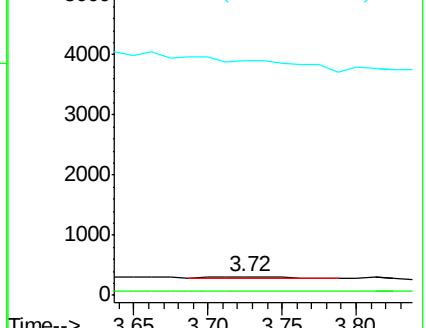
44 0.0 13.8 20.8#



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: 0.175 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

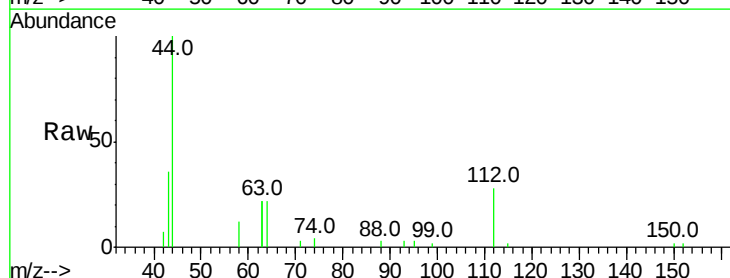
Tgt Ion: 112 Resp: 1697

Ion Ratio Lower Upper

112 100

64 69.8 57.7 86.5

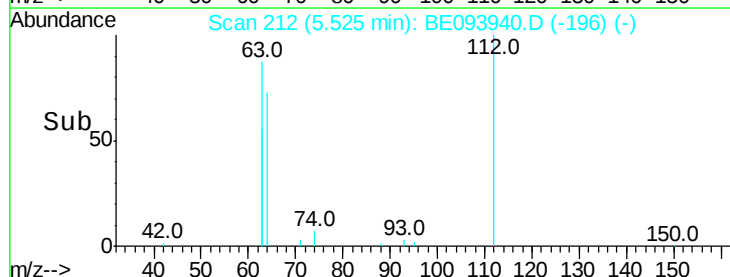
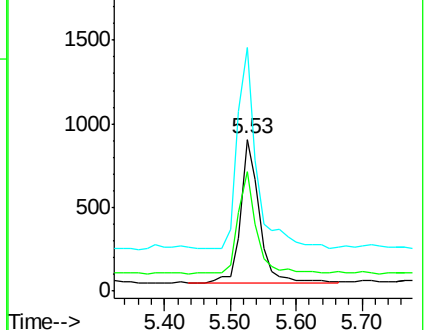
63 142.8 116.0 174.0

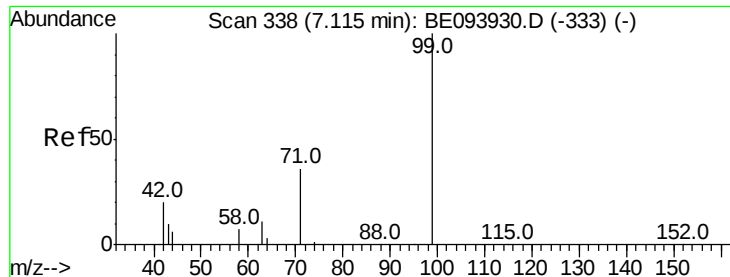


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.105 ng

RT: 7.12 min Scan# 339

Delta R.T. 0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

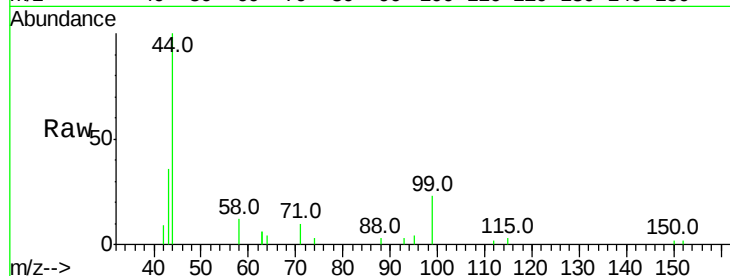
Tot Ion: 99 Resp: 1530

Ion Ratio Lower Upper

99 100

42 14.8 17.1 25.7#

71 41.2 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

7.12

600

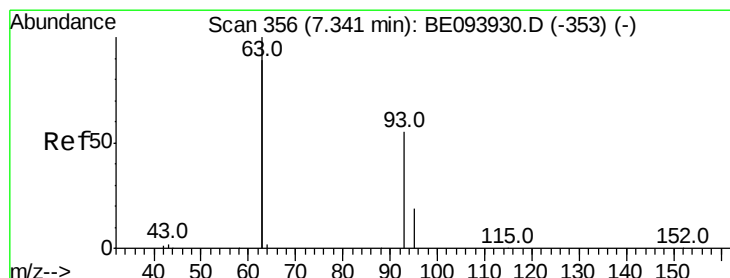
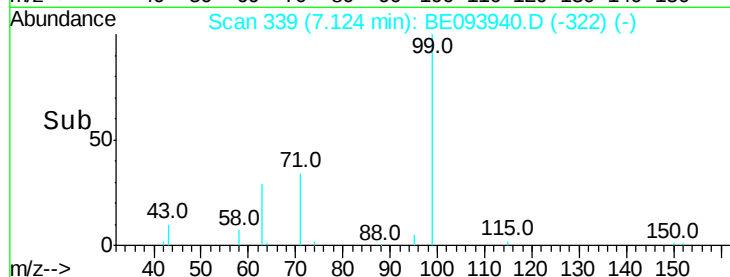
400

200

0

7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.084 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

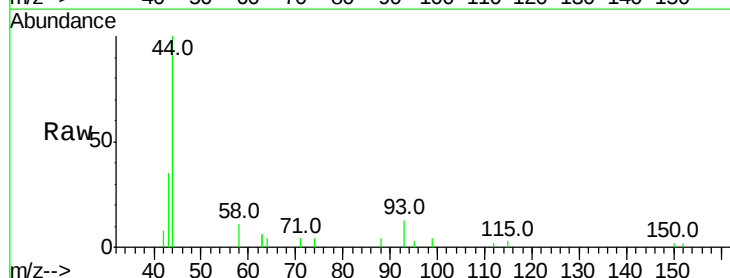
Tgt Ion: 93 Resp: 996

Ion Ratio Lower Upper

93 100

63 21.1 283.4 425.2#

95 0.0 26.9 40.3#



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

7.26

800

600

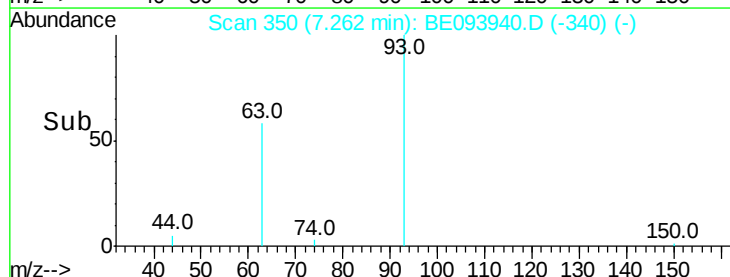
400

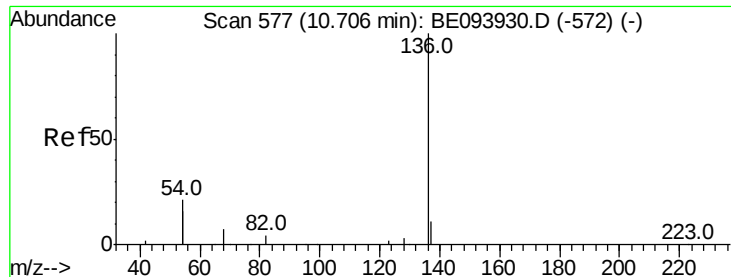
200

0

7.10 7.20 7.30 7.40 7.50

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

Tot Ion:136 Resp: 14609

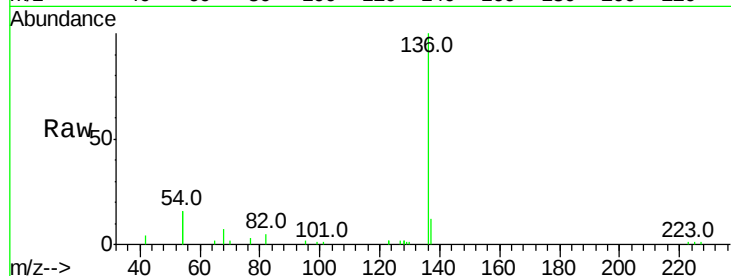
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 31.6 21.9 32.9

68 6.6 4.6 7.0

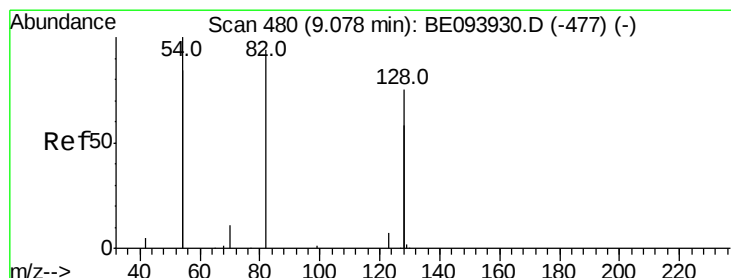
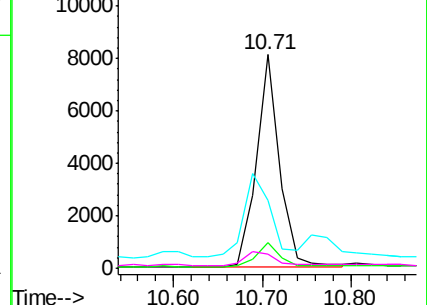
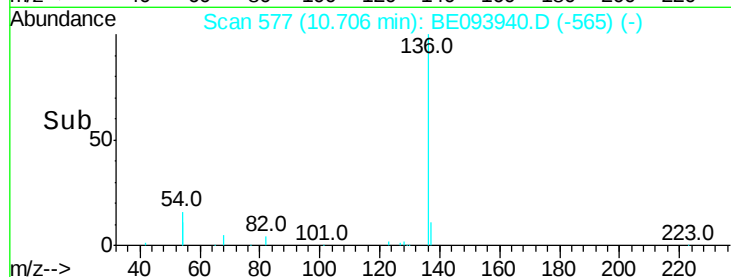


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.364 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

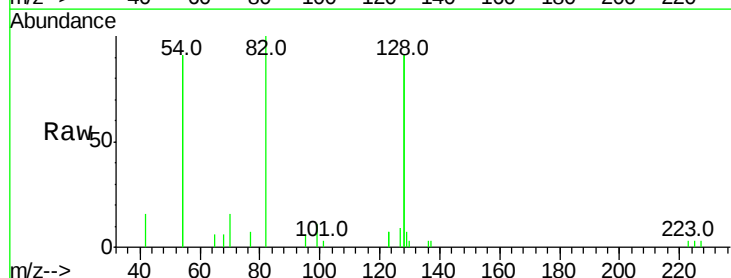
Tgt Ion: 82 Resp: 4494

Ion Ratio Lower Upper

82 100

128 181.1 91.4 137.0#

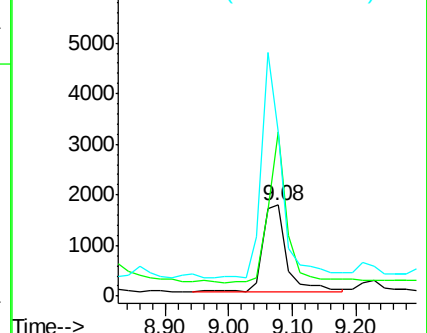
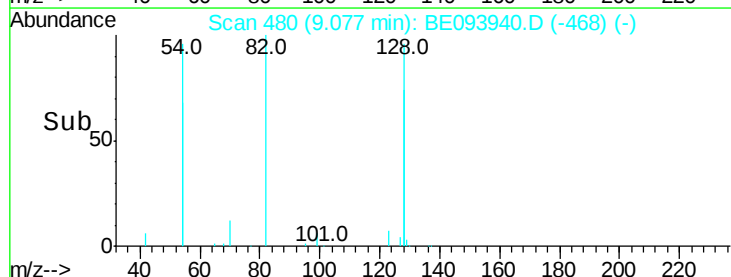
54 181.1 197.8 296.8#

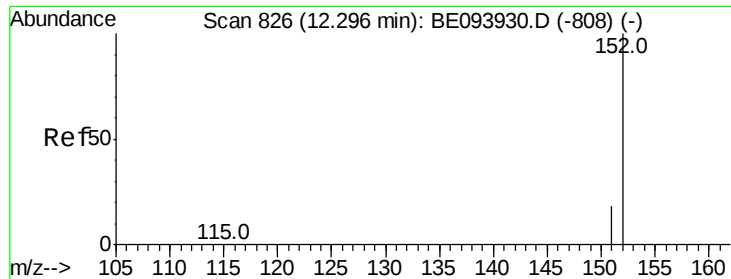


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

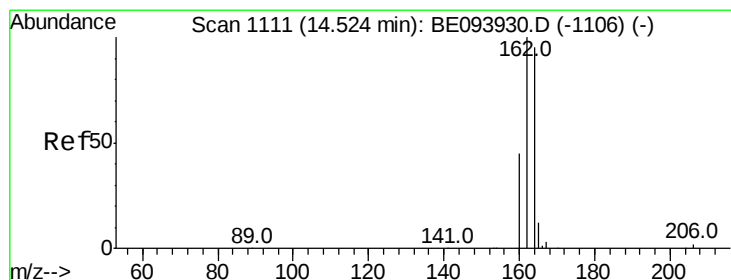
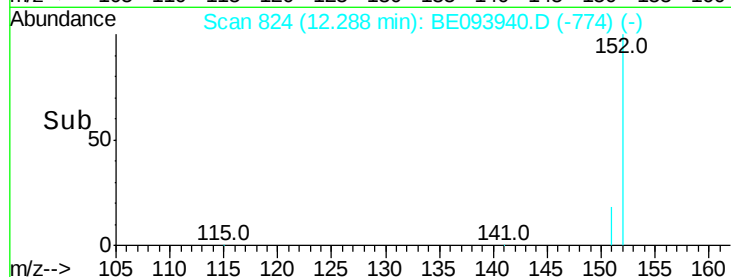
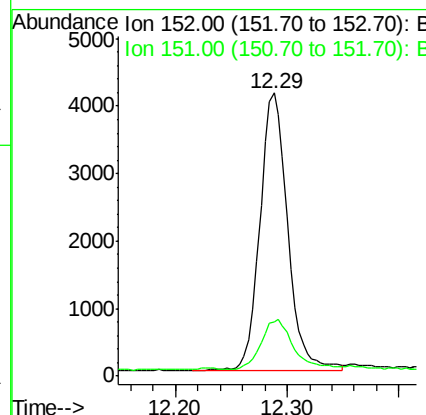
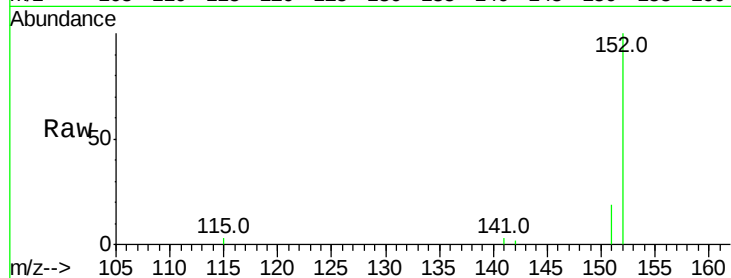




#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE093940.D
Acq: 5 Sep 2017 17:09

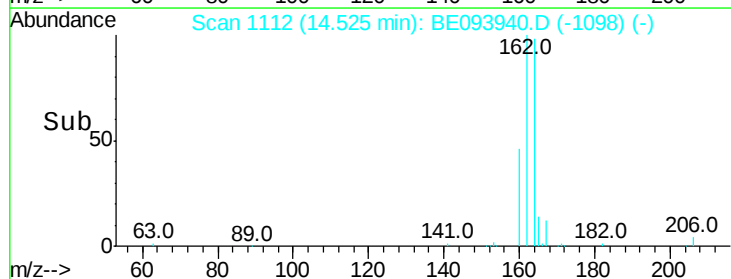
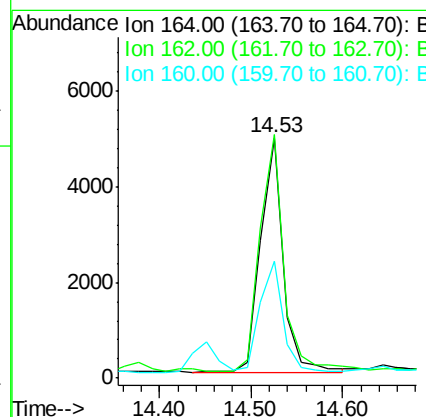
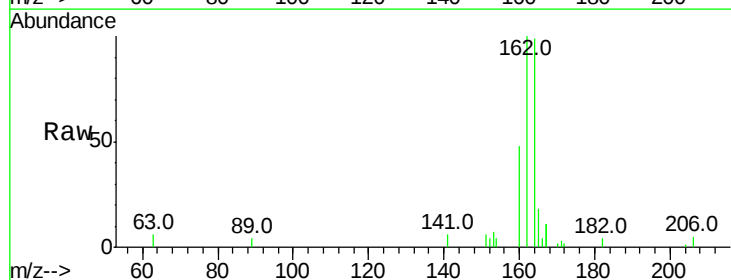
Instrument :
BNA_E
ClientSampleId :
3829-PA1

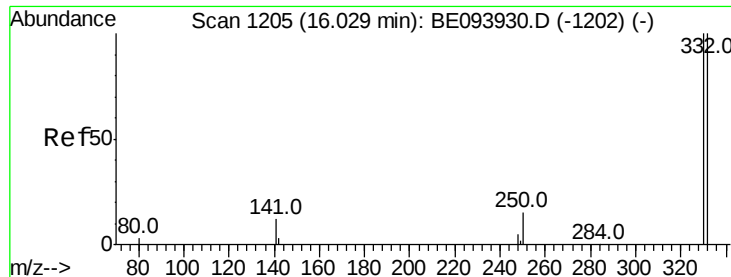
Tot Ion:152 Resp: 7173
Ion Ratio Lower Upper
152 100
151 20.2 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093940.D
Acq: 5 Sep 2017 17:09

Tgt Ion:164 Resp: 8459
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 48.6 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.331 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampled :

3829-PA1

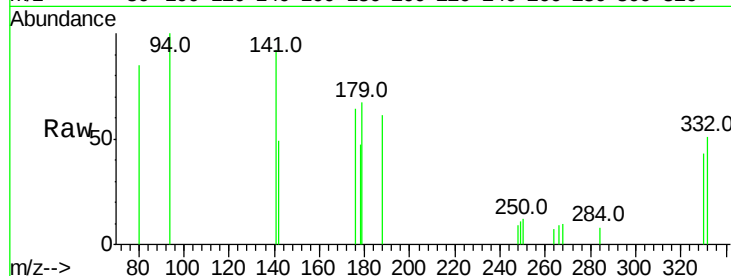
Tot Ion:330 Resp: 866

Ion Ratio Lower Upper

330 100

332 100.5 76.9 115.3

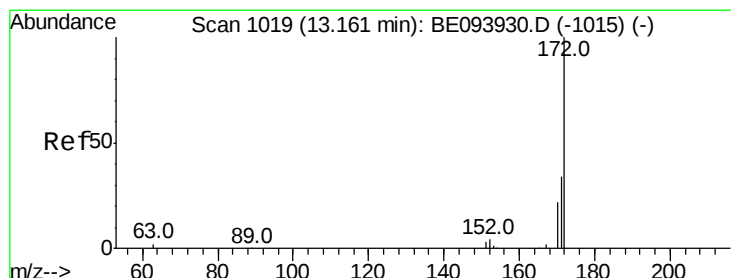
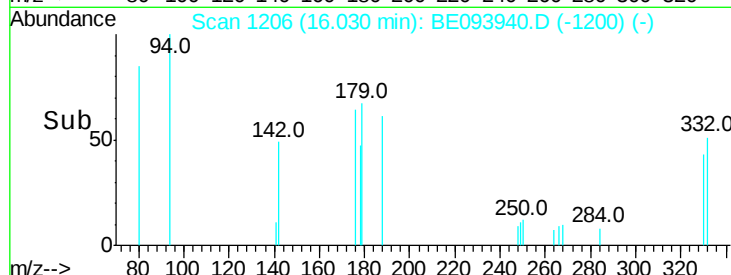
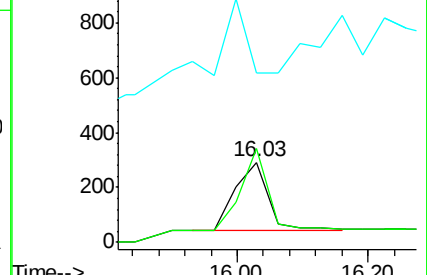
141 0.0 0.0 0.0



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: 0.384 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

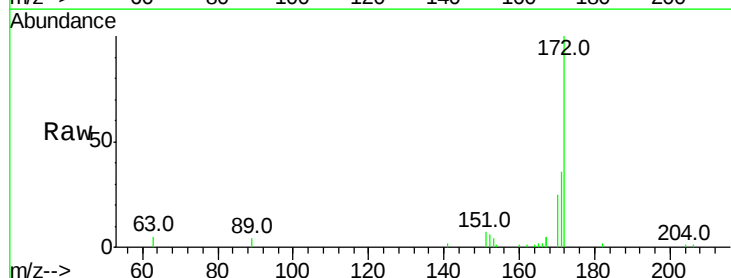
Tgt Ion:172 Resp: 12850

Ion Ratio Lower Upper

172 100

171 36.0 26.9 40.3

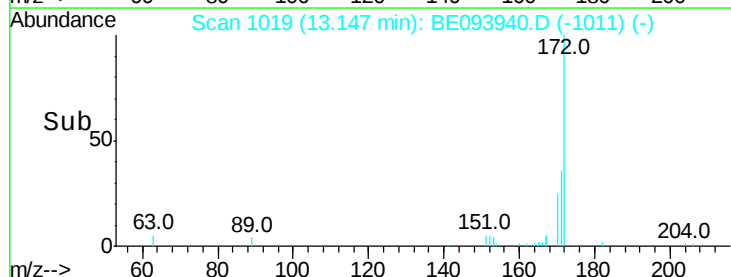
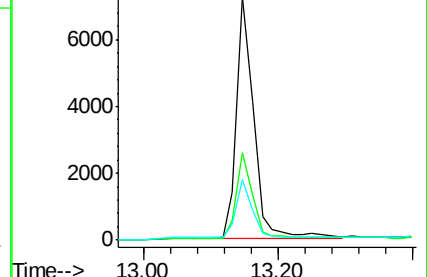
170 24.7 17.3 25.9

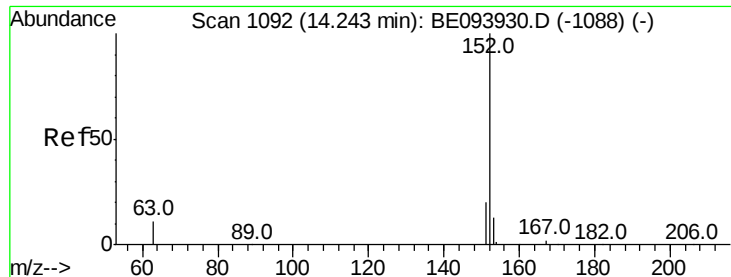


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.022 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampled :

3829-PA1

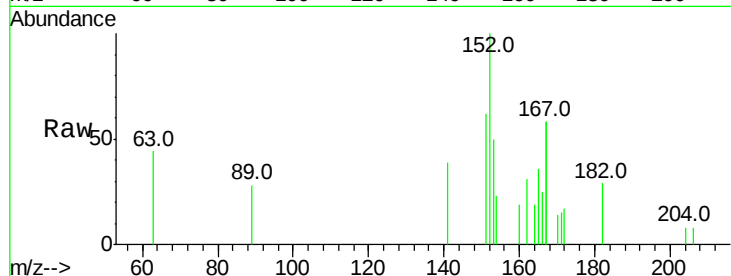
Tot Ion:152 Resp: 937

Ion Ratio Lower Upper

152 100

151 39.2 15.7 23.5#

153 0.0 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

14.24

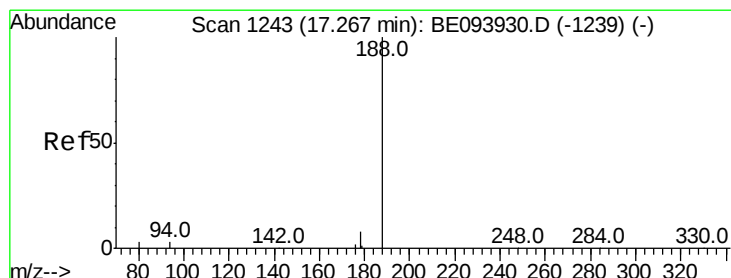
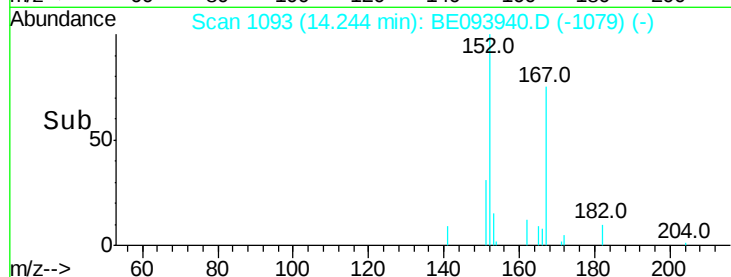
600

400

200

0

Time--> 14.15 14.20 14.25 14.30



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

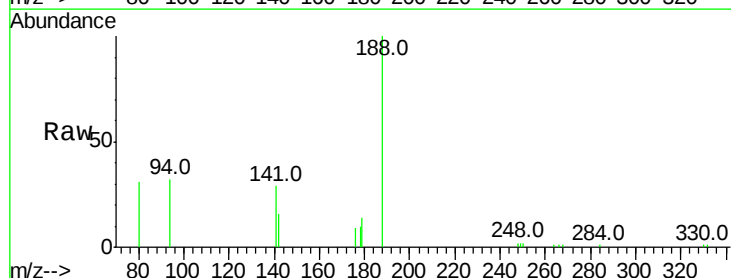
Tgt Ion:188 Resp: 16534

Ion Ratio Lower Upper

188 100

94 31.8 16.1 24.1#

80 31.1 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

17.24

10000

8000

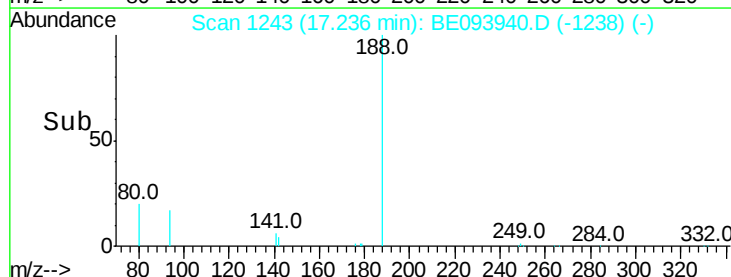
6000

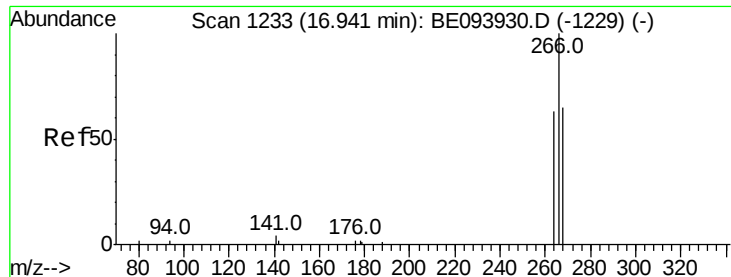
4000

2000

0

Time--> 17.00 17.20 17.40





#22

Pentachlorophenol

Concen: 0.146 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

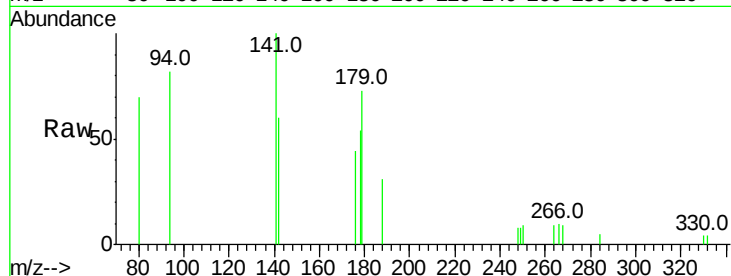
Tot Ion:266 Resp: 383

Ion Ratio Lower Upper

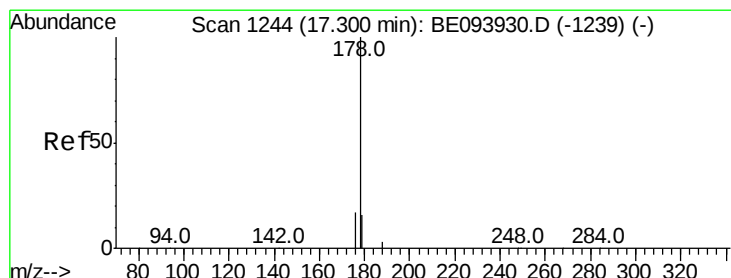
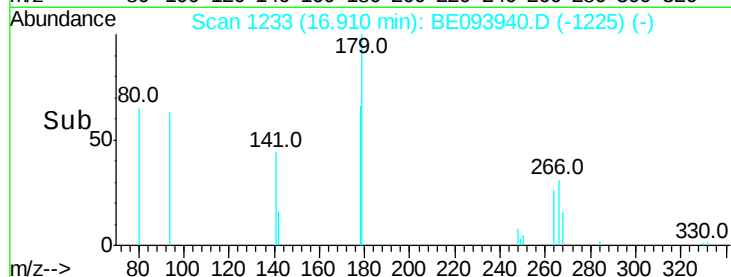
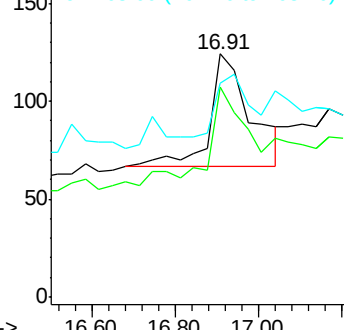
266 100

264 86.3 53.5 80.3#

268 87.9 60.0 90.0



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: Below Cal

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

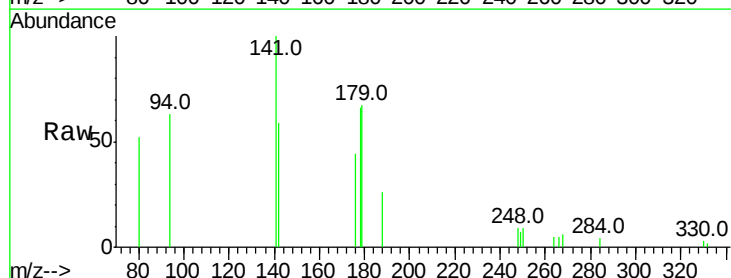
Tgt Ion:178 Resp: 5811

Ion Ratio Lower Upper

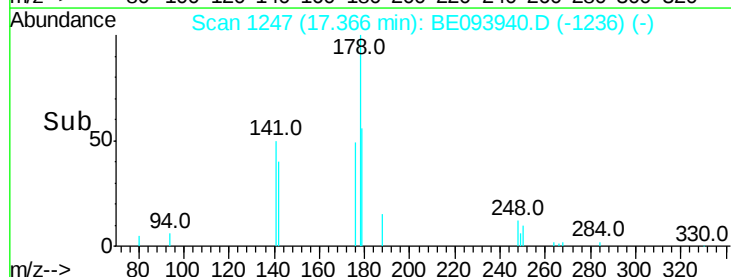
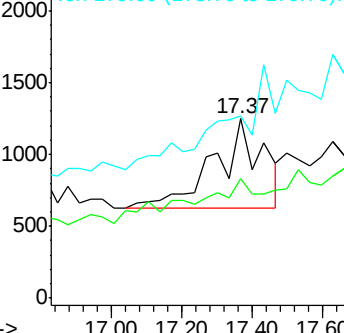
178 100

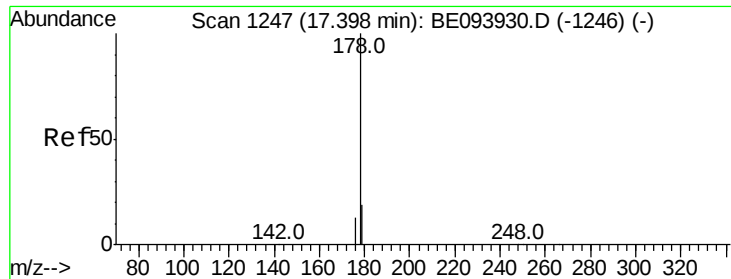
176 36.5 0.0 0.0#

179 0.0 12.6 18.8#



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: 0.118 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

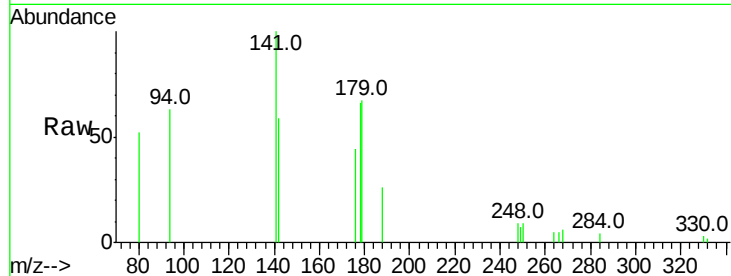
Tot Ion:178 Resp: 5926

Ion Ratio Lower Upper

178 100

176 34.3 16.0 24.0#

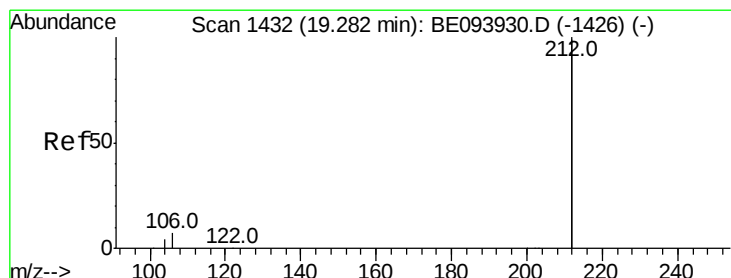
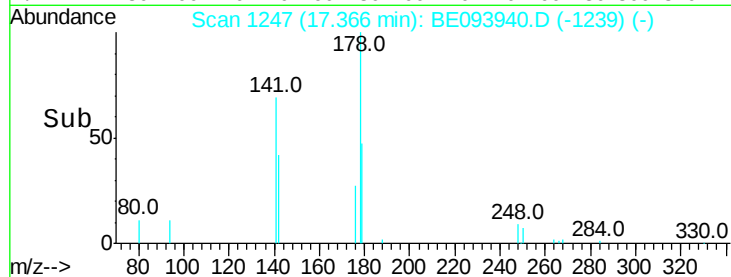
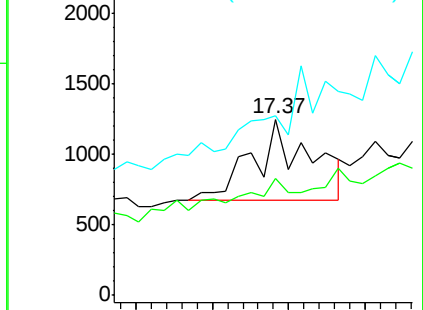
179 0.0 0.0 0.0



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



#25

Fluoranthene-d10

Concen: 0.281 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

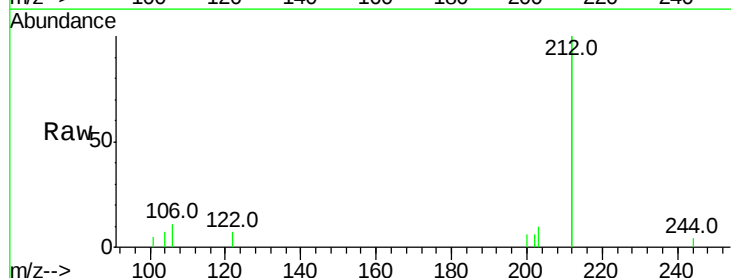
Tgt Ion:212 Resp: 69214

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

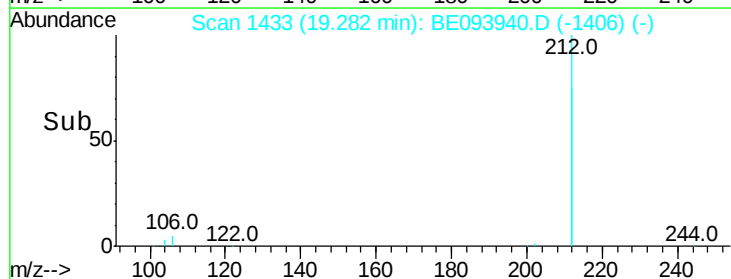
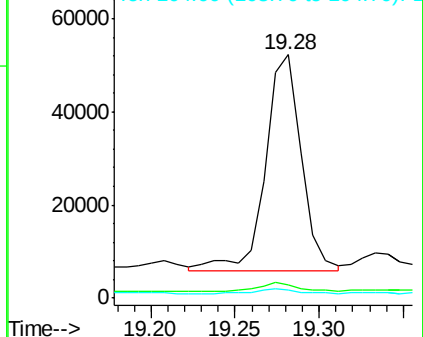
104 2.0 1.6 2.4

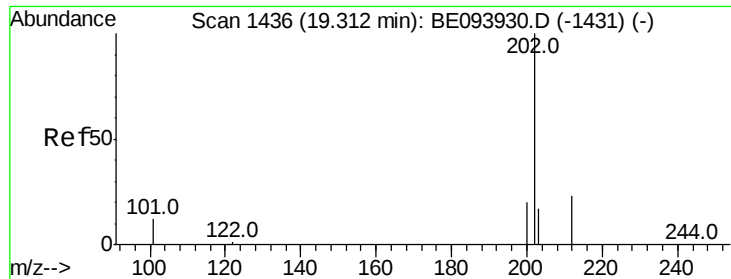


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.028 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampled :

3829-PA1

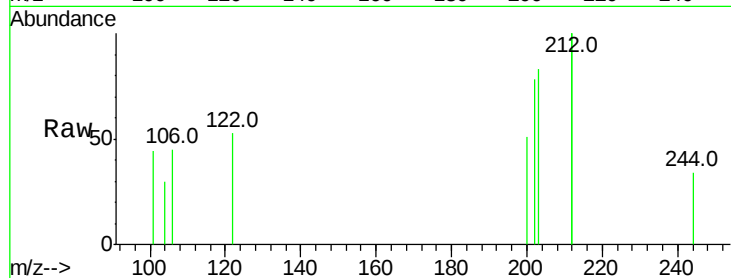
Tot Ion:202 Resp: 2042

Ion Ratio Lower Upper

202 100

101 13.6 9.7 14.5

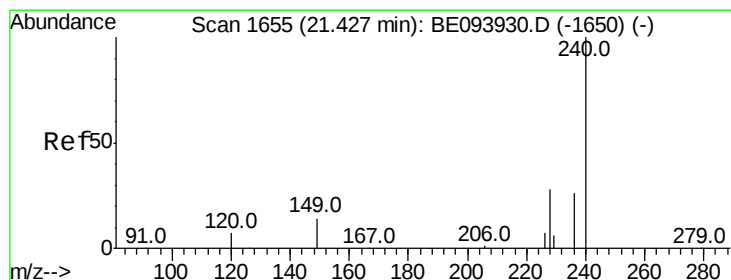
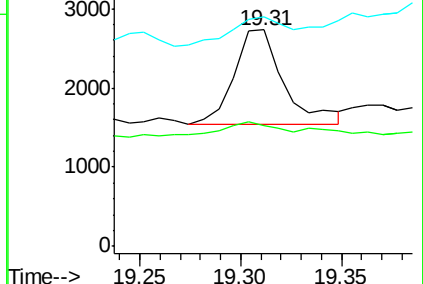
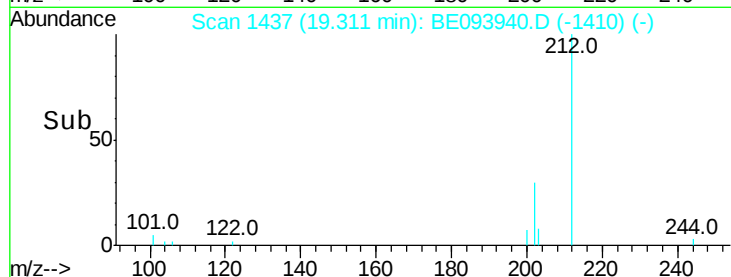
203 36.2 13.7 20.5#



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# 1655

Delta R.T. -0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

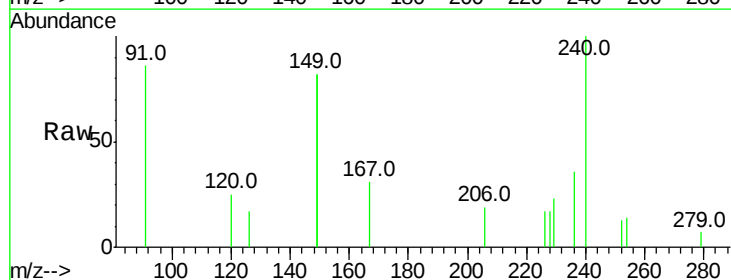
Tgt Ion:240 Resp: 18296

Ion Ratio Lower Upper

240 100

120 24.8 8.7 13.1#

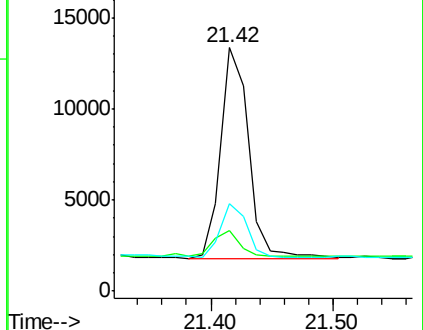
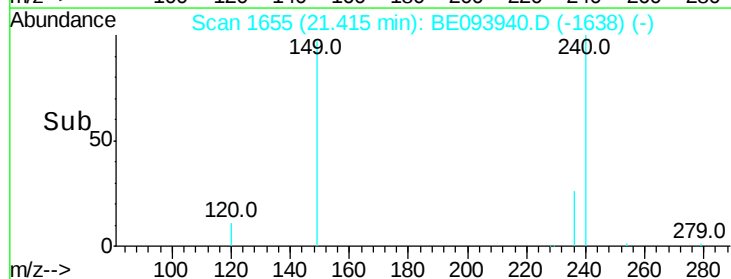
236 35.9 21.3 31.9#

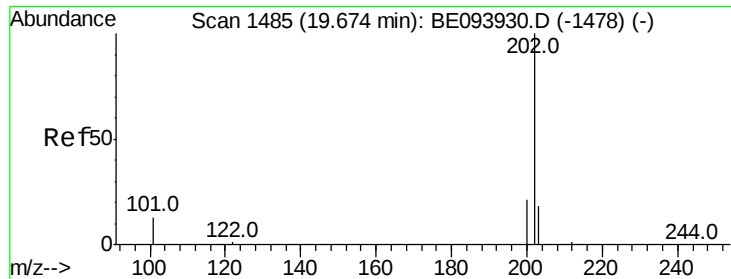


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.047 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

Instrument :

BNA_E

ClientSampleId :

3829-PA1

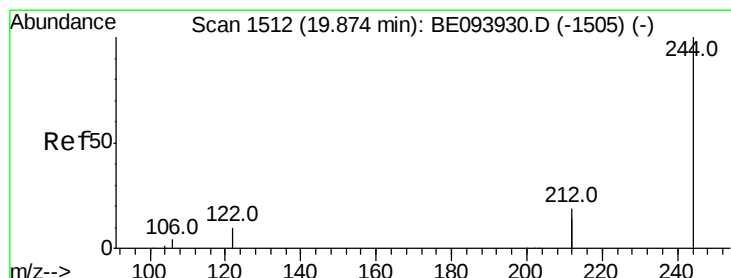
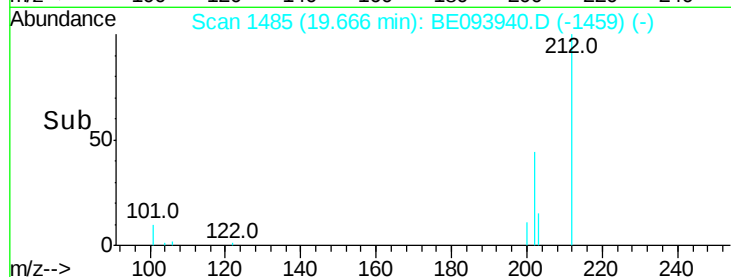
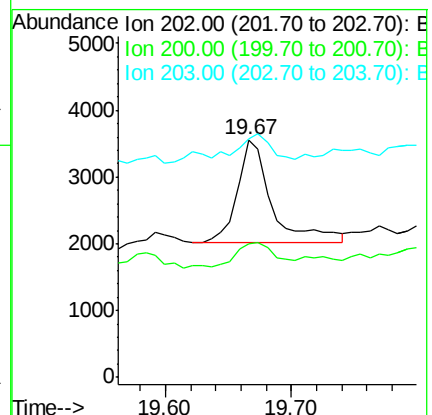
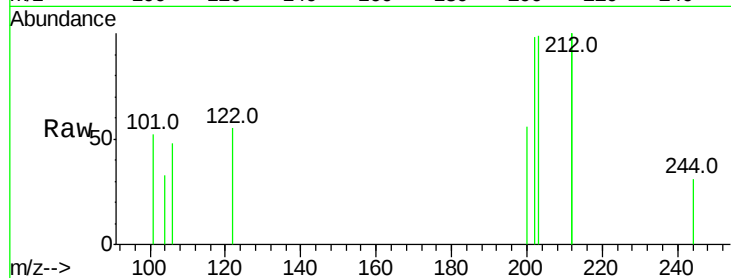
Tot Ion:202 Resp: 2954

Ion Ratio Lower Upper

202 100

200 25.5 16.6 24.8#

203 19.3 14.2 21.4



#29

Terphenyl-d14

Concen: 0.497 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093940.D

Acq: 5 Sep 2017 17:09

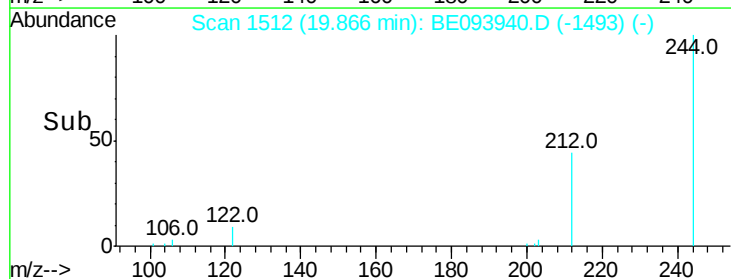
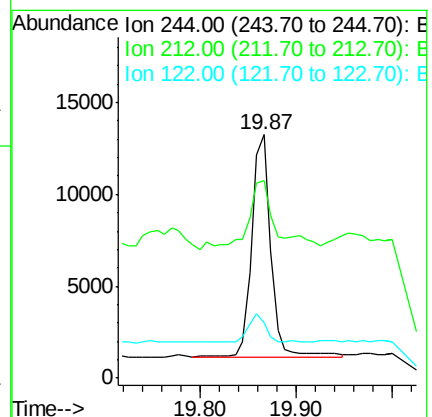
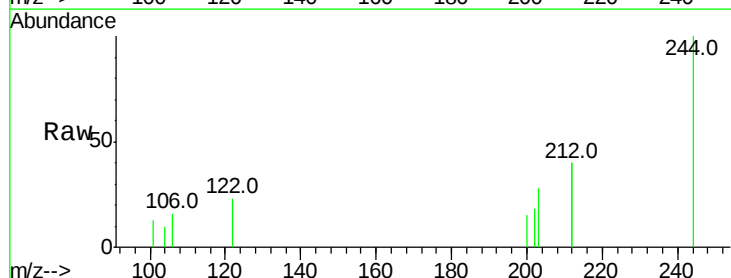
Tgt Ion:244 Resp: 16717

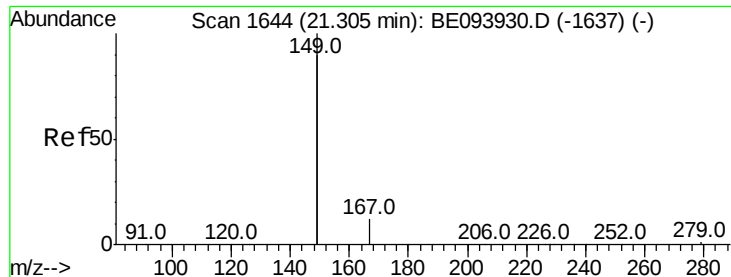
Ion Ratio Lower Upper

244 100

212 80.9 28.3 42.5#

122 22.6 9.4 14.0#

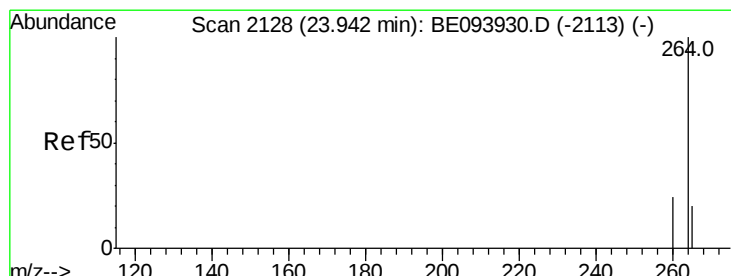
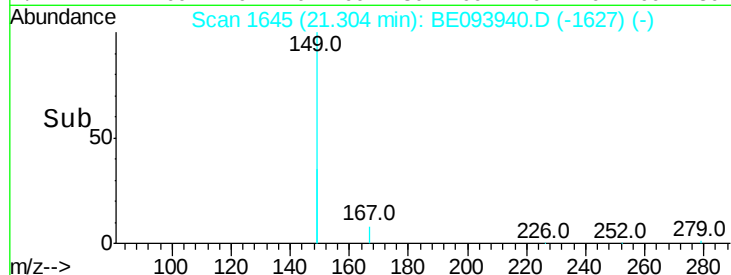
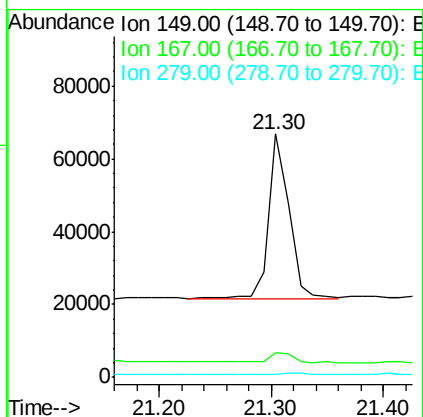
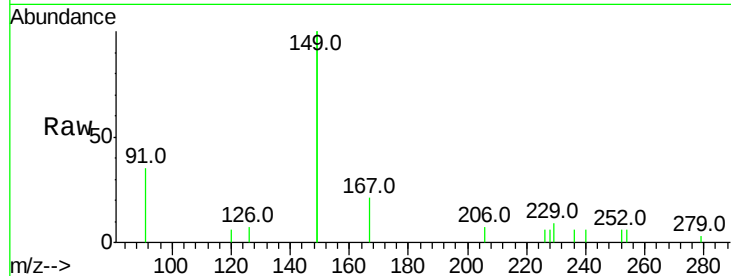




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.417 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093940.D
 Acq: 5 Sep 2017 17:09

Instrument :
 BNA_E
 ClientSampleId :
 3829-PA1

Tot Ion:149 Resp: 56943
 Ion Ratio Lower Upper
 149 100
 167 7.6 5.4 8.0
 279 1.5 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: BE093940.D
 Acq: 5 Sep 2017 17:09

Tgt Ion:264 Resp: 15400
 Ion Ratio Lower Upper
 264 100
 260 30.2 20.0 30.0#
 265 49.4 24.0 36.0#

