

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093922.D
 Acq On : 2 Sep 2017 6:32
 Operator : SJ/JU
 Sample : I4963-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3829-PA1

Quant Time: Sep 04 01:03:43 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:31:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2833	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	13783	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	8123	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18731	0.40	ng	0.00
27) Chrysene-d12	21.42	240	17879	0.40	ng	0.00
34) Perylene-d12	23.93	264	15508	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	1616	0.19	ng	0.00
5) Phenol-d6	7.10	99	1500	0.11	ng	0.01
8) Nitrobenzene-d5	9.06	82	4440	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	6725	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	909	0.42	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	12005	0.37	ng	-0.01
25) Fluoranthene-d10	19.27	212	66847	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	15754	0.49	ng	0.00

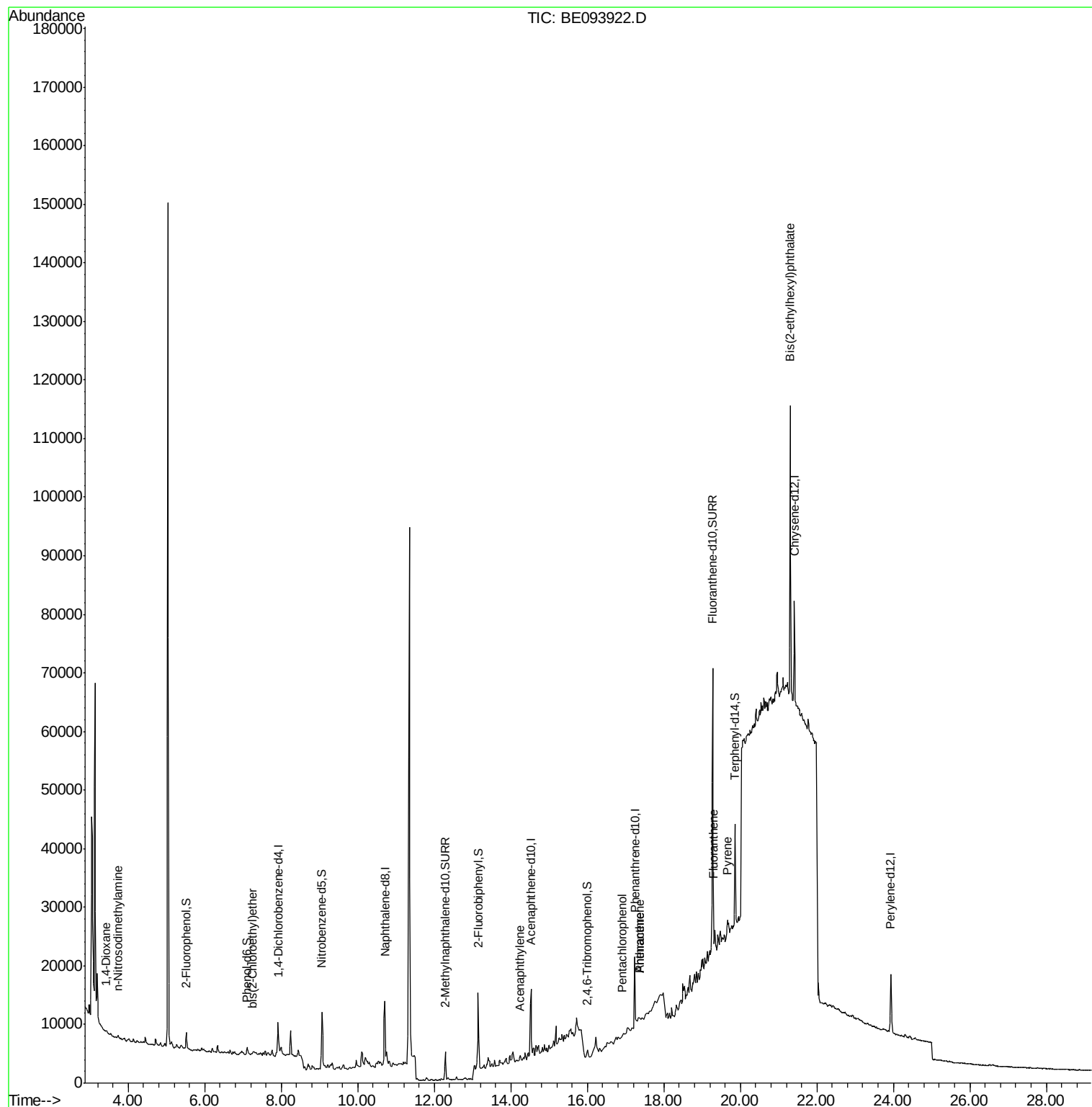
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	111	0.029	ng	# 18
3) n-Nitrosodimethylamine	3.73	42	174	0.040	ng	# 4
6) bis(2-Chloroethyl)ether	7.25	93	906	0.088	ng	# 1
16) Acenaphthylene	14.24	152	961	0.024	ng	# 71
20) 4-Bromophenyl-phenylether	16.58	248	233	Below Cal		# 1
21) Hexachlorobenzene	16.49	284	10	Below Cal		# 100
22) Pentachlorophenol	16.91	266	250	0.085	ng	# 90
23) Phenanthrene	17.37	178	5586	0.117	ng	# 63
24) Anthracene	17.37	178	5465	0.096	ng	# 60
26) Fluoranthene	19.30	202	2032	0.031	ng	# 43
28) Pyrene	19.67	202	2882	0.048	ng	# 37
32) Bis(2-ethylhexyl)phthalate	21.30	149	56842	0.508	ng	# 99

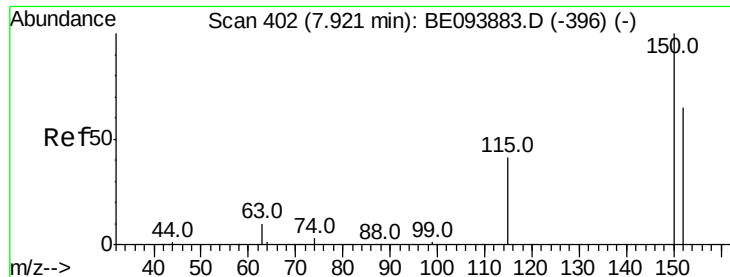
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

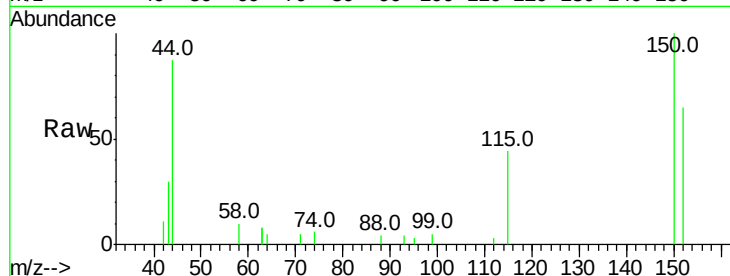
Tot Ion:152 Resp: 2833

Ion Ratio Lower Upper

152 100

150 153.1 121.8 182.6

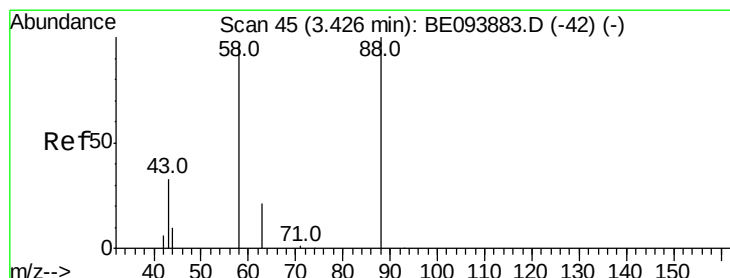
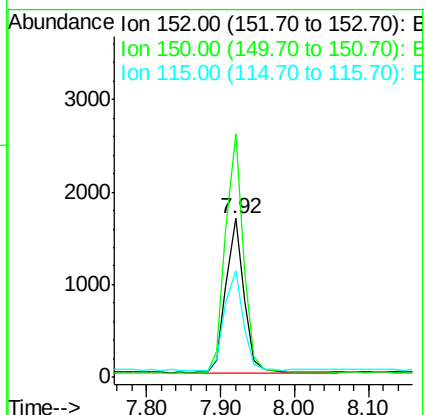
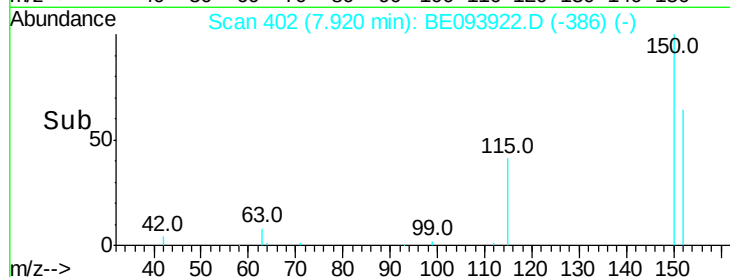
115 67.1 52.6 79.0



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: 0.029 ng

RT: 3.43 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

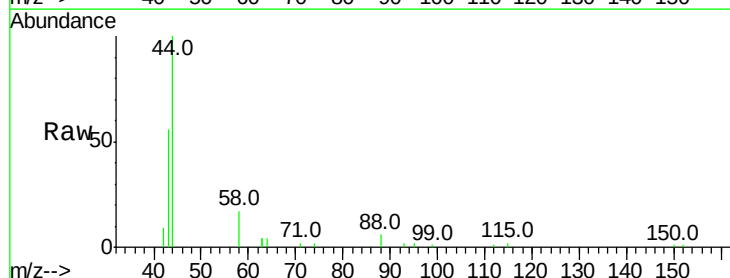
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

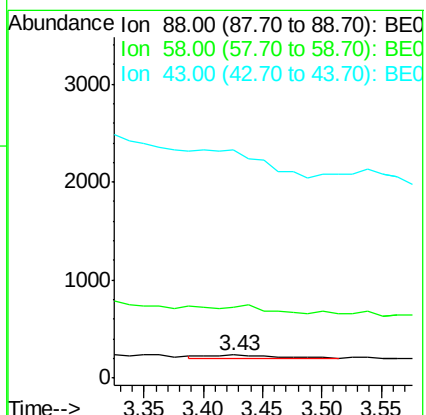
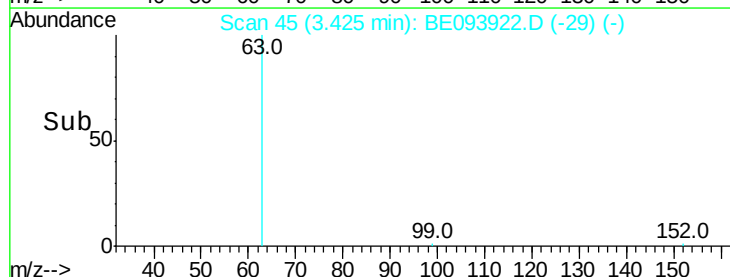
43 0.0 23.9 35.9#

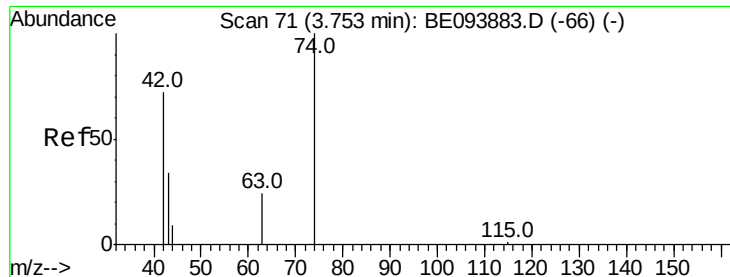


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.040 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

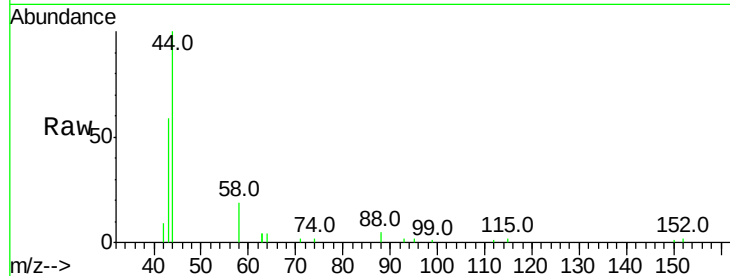
Tot Ion: 42 Resp: 174

Ion Ratio Lower Upper

42 100

74 9.2 104.0 156.0#

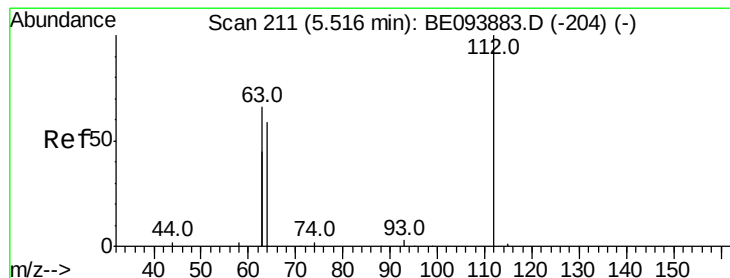
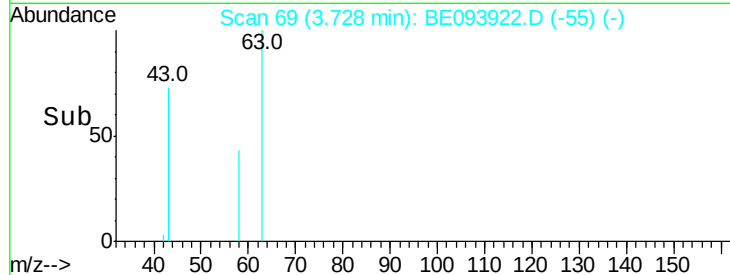
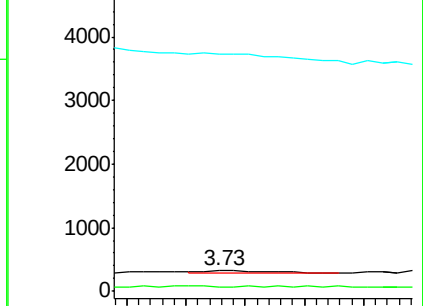
44 0.0 13.8 20.8#



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: 0.185 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

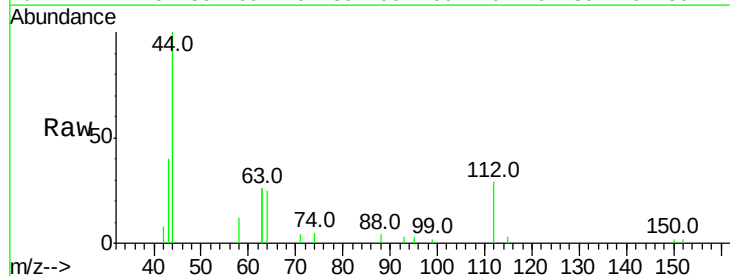
Tgt Ion: 112 Resp: 1616

Ion Ratio Lower Upper

112 100

64 67.9 57.7 86.5

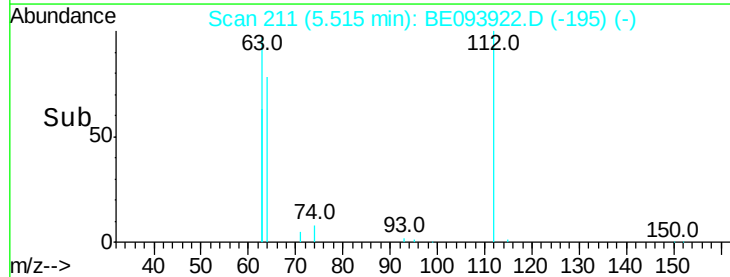
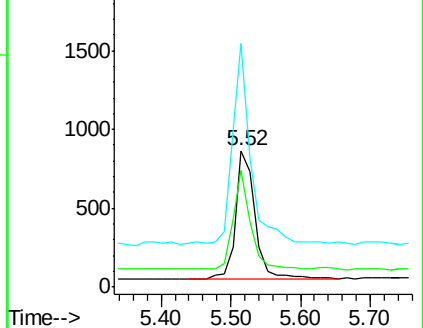
63 153.1 116.0 174.0

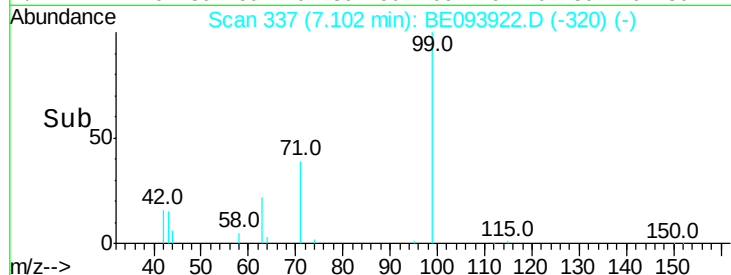
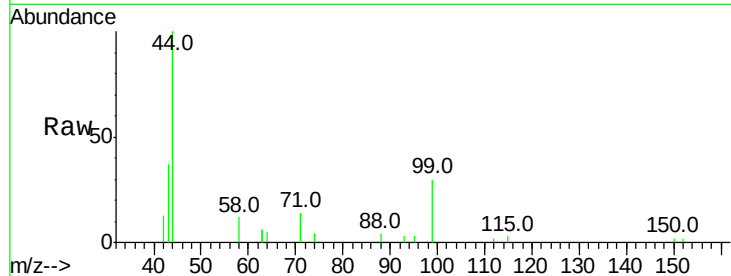
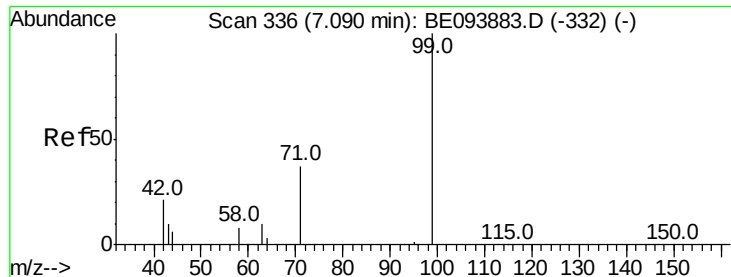


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.113 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

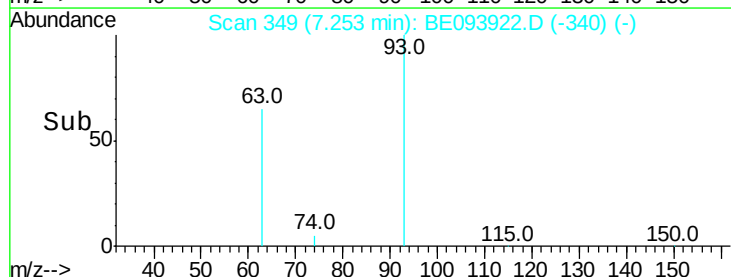
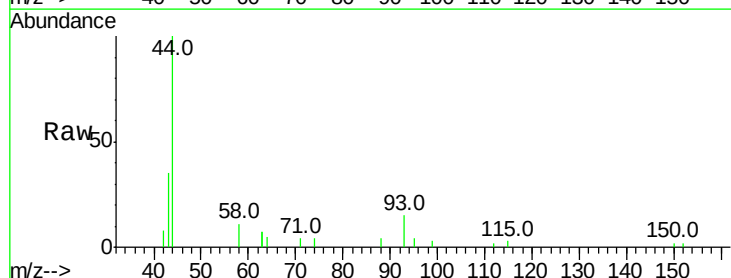
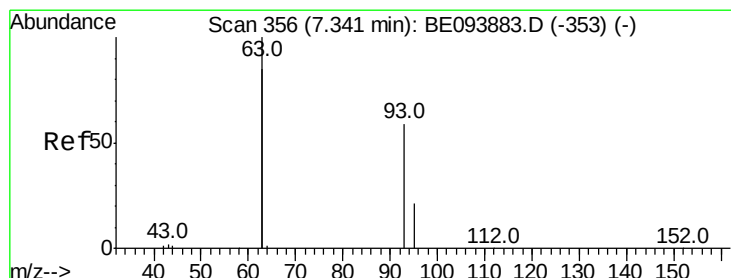
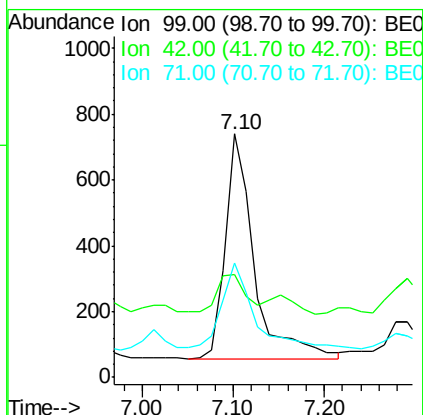
Tot Ion: 99 Resp: 1500

Ion Ratio Lower Upper

99 100

42 15.7 17.1 25.7#

71 43.1 26.6 39.8#



#6

bis(2-Chloroethyl)ether

Concen: 0.088 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

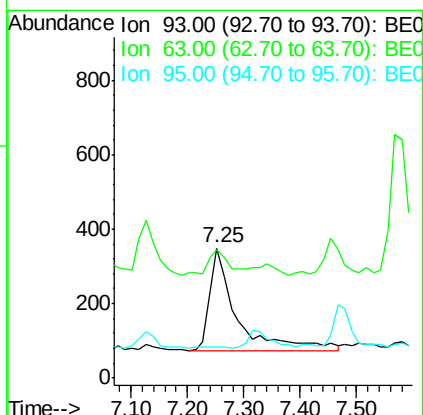
Tgt Ion: 93 Resp: 906

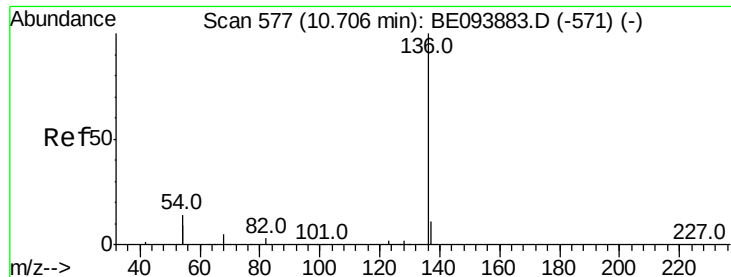
Ion Ratio Lower Upper

93 100

63 18.5 283.4 425.2#

95 1.8 26.9 40.3#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

Tot Ion:136 Resp: 13783

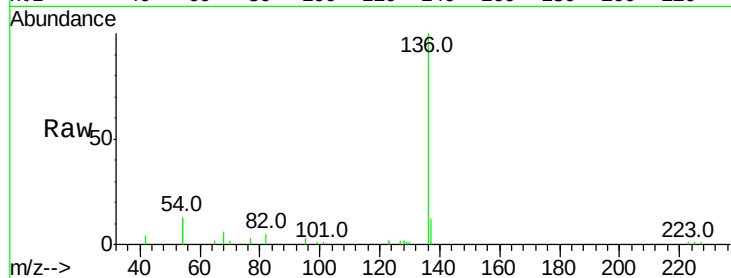
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 26.8 21.9 32.9

68 5.8 4.6 7.0

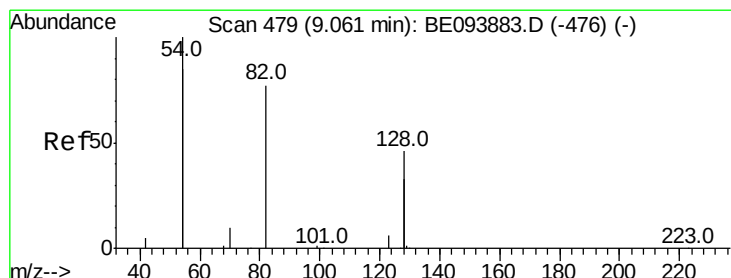
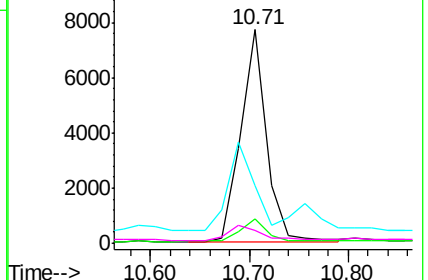
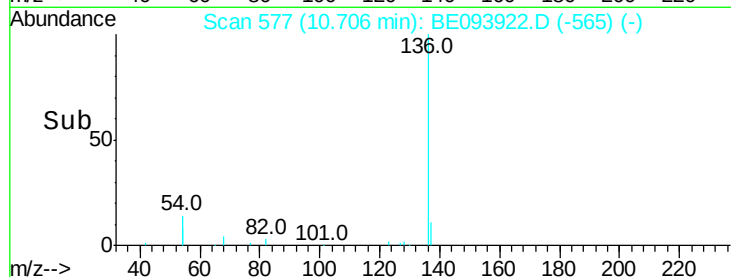


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.387 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

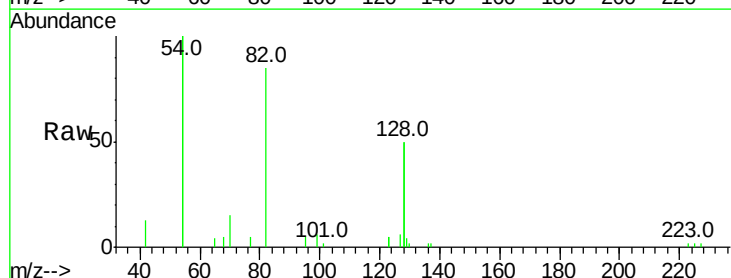
Tgt Ion: 82 Resp: 4440

Ion Ratio Lower Upper

82 100

128 117.4 91.4 137.0

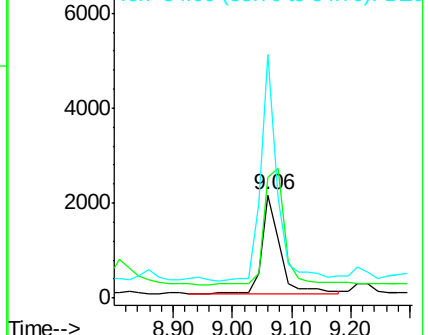
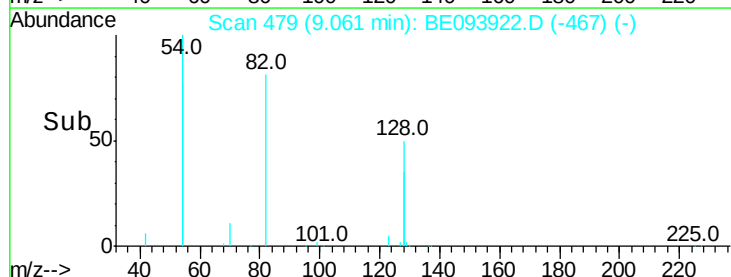
54 235.4 197.8 296.8

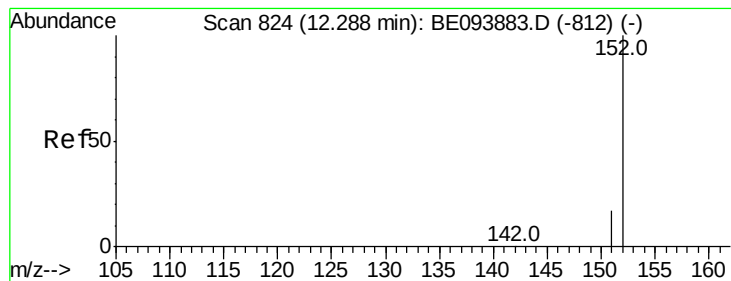


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.308 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

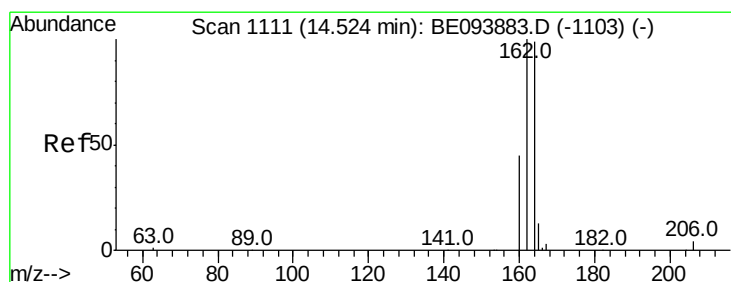
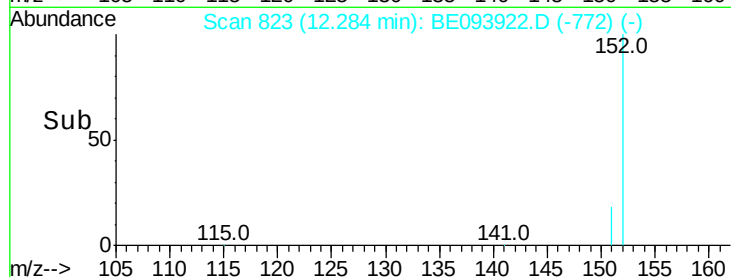
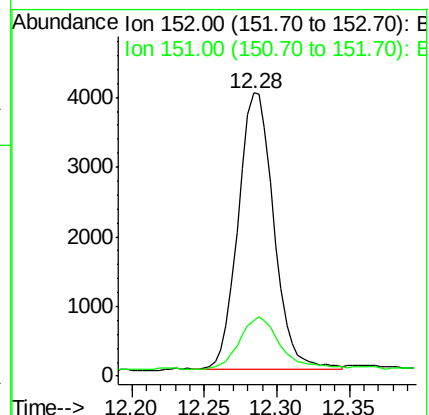
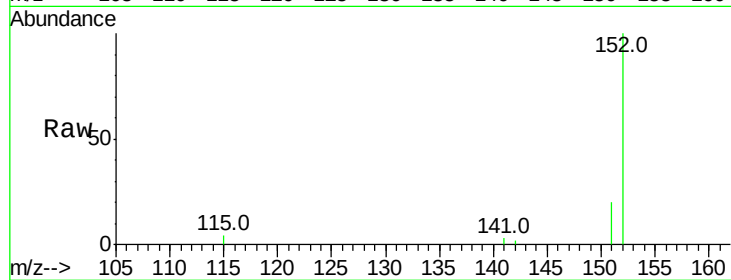
3829-PA1

Tot Ion:152 Resp: 6725

Ion Ratio Lower Upper

152 100

151 22.3 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: BE093922.D

Acq: 2 Sep 2017 6:32

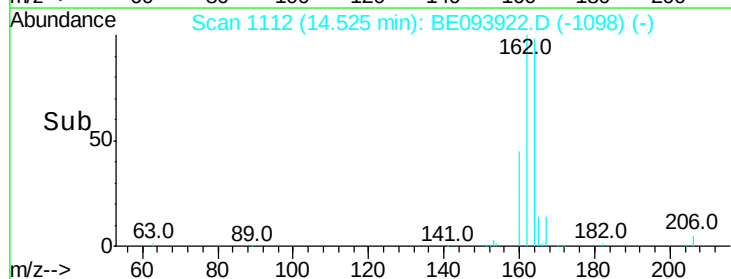
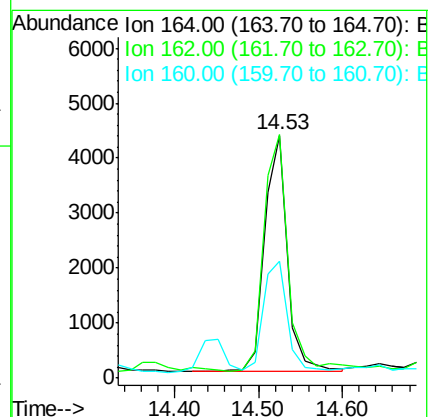
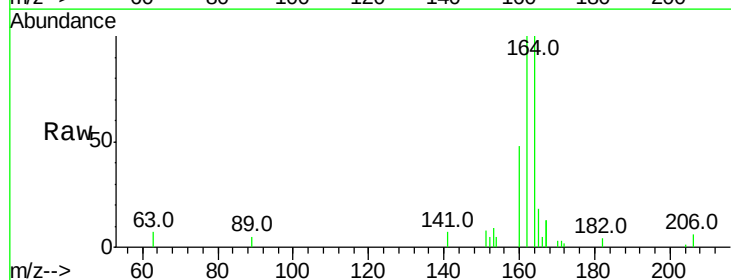
Tgt Ion:164 Resp: 8123

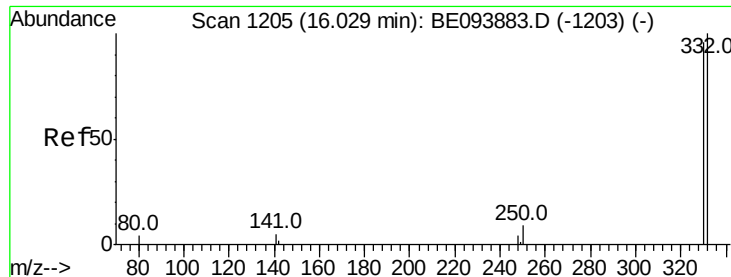
Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 48.1 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.418 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

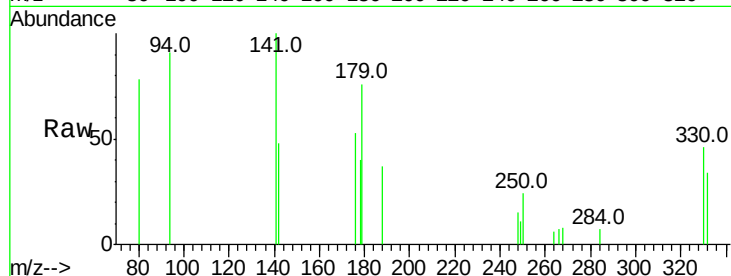
Tot Ion:330 Resp: 909

Ion Ratio Lower Upper

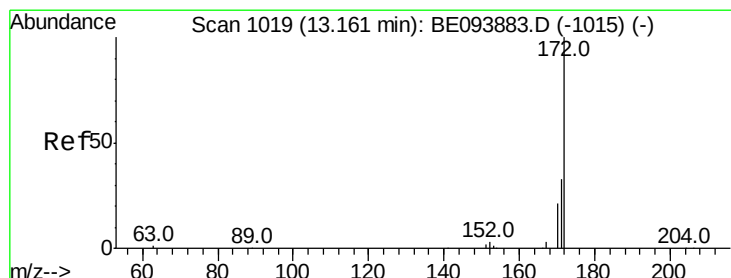
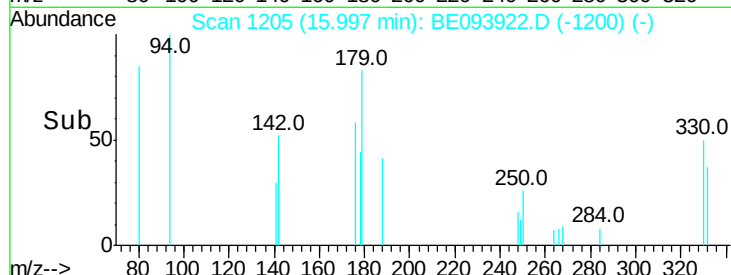
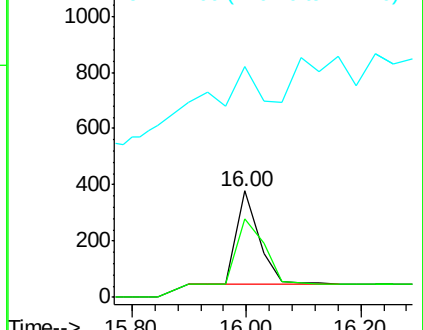
330 100

332 88.0 76.9 115.3

141 35.8 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: 0.371 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

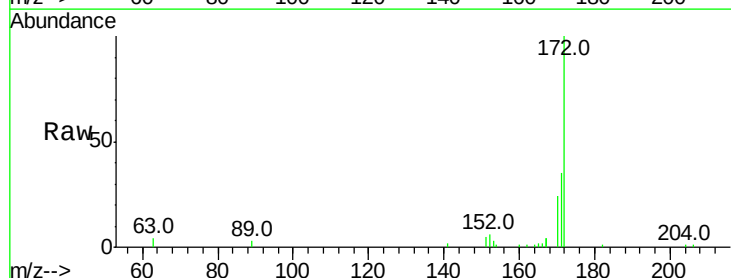
Tgt Ion:172 Resp: 12005

Ion Ratio Lower Upper

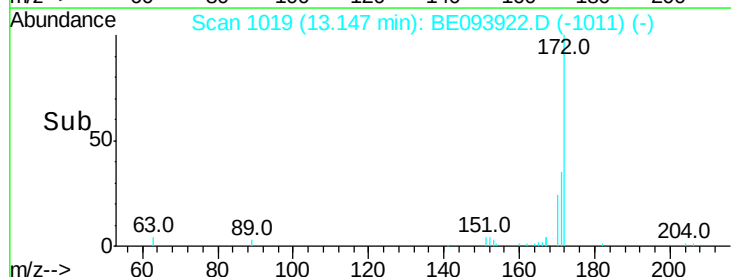
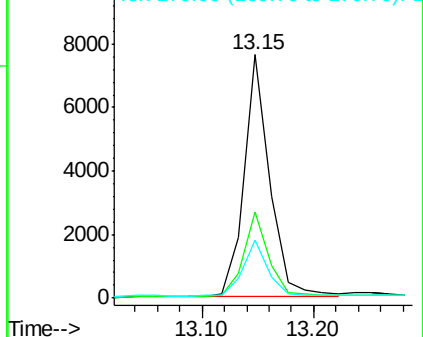
172 100

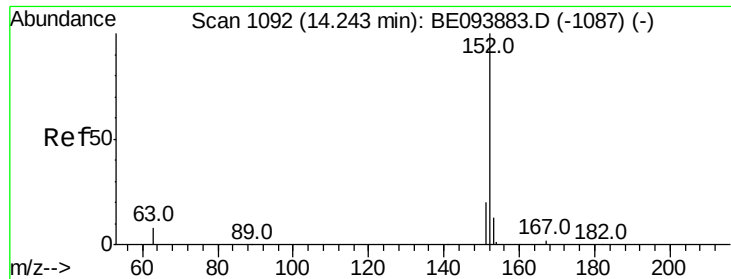
171 35.2 26.9 40.3

170 23.8 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: 0.024 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampled :

3829-PA1

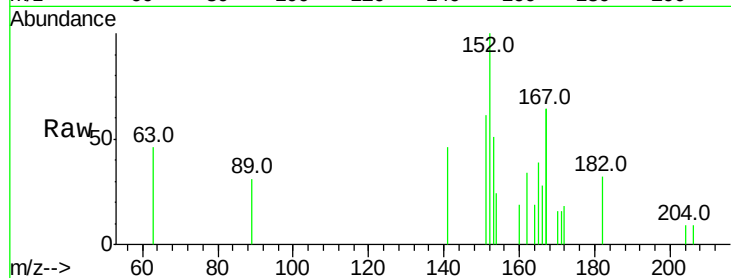
Tot Ion:152 Resp: 961

Ion Ratio Lower Upper

152 100

151 31.8 15.7 23.5#

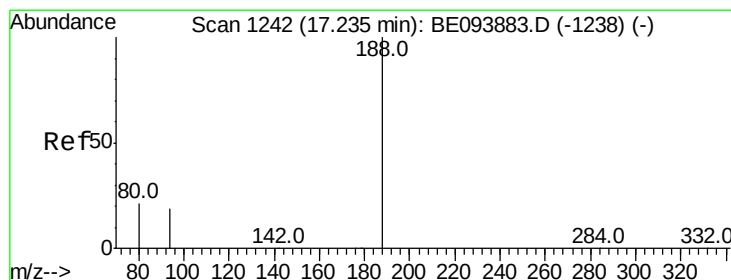
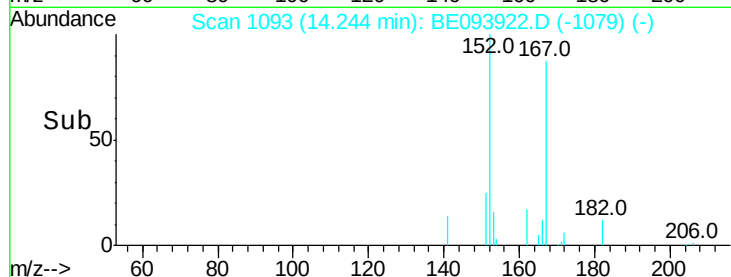
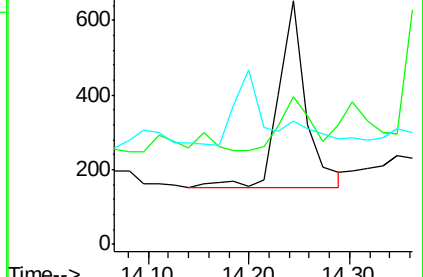
153 0.0 10.6 16.0#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

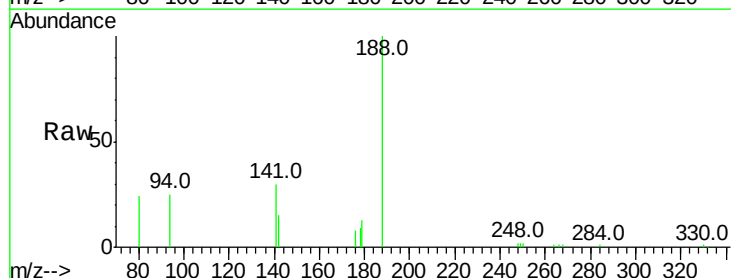
Tgt Ion:188 Resp: 18731

Ion Ratio Lower Upper

188 100

94 25.2 16.1 24.1#

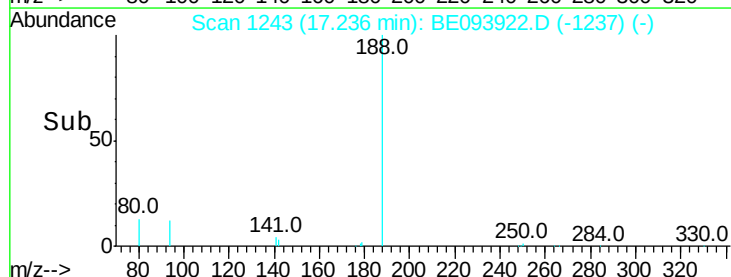
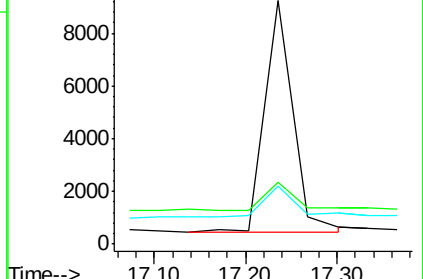
80 23.7 18.2 27.2

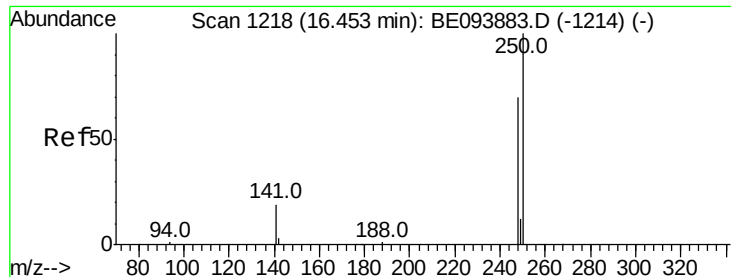


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

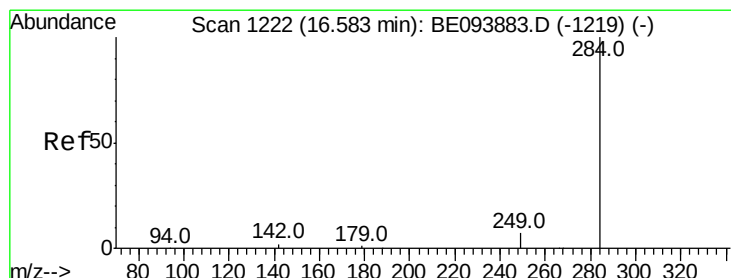
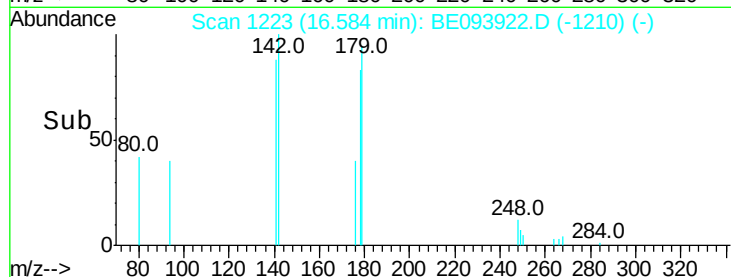
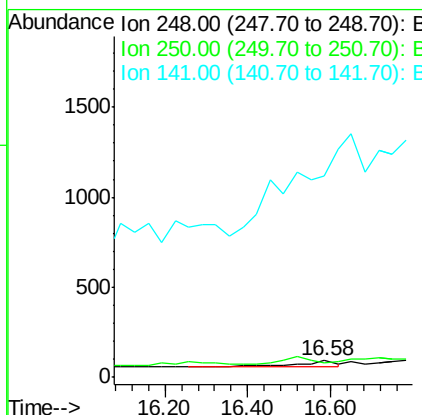
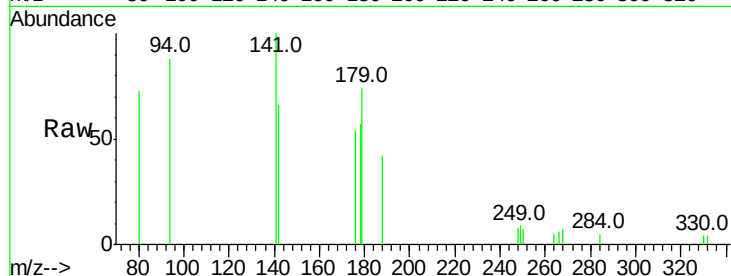




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.58 min Scan# 1223
Delta R.T. 0.13 min
Lab File: BE093922.D
Acq: 2 Sep 2017 6:32

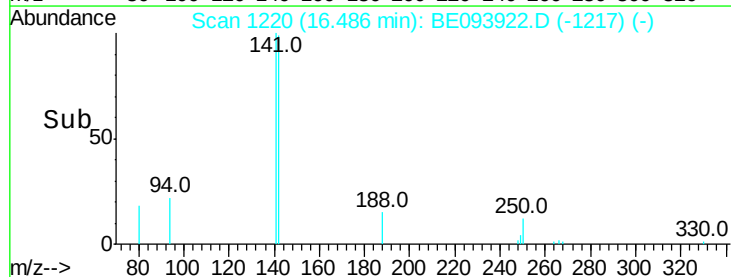
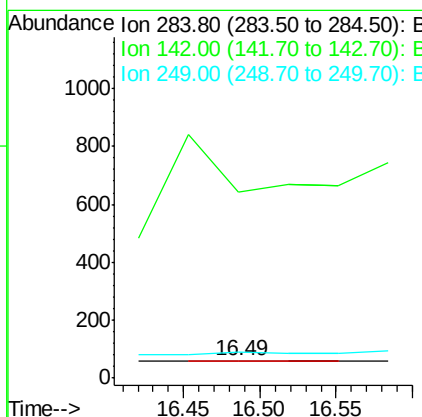
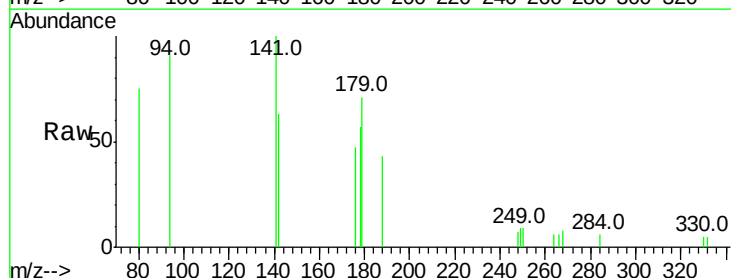
Instrument :
BNA_E
ClientSampleId :
3829-PA1

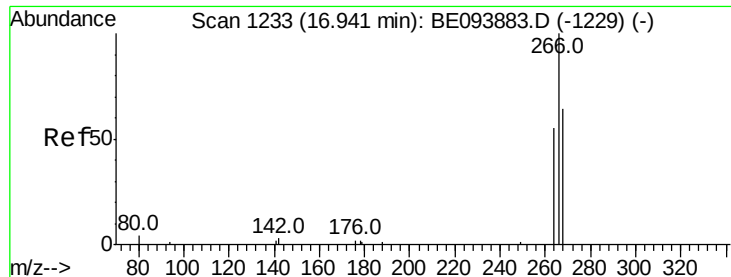
Tot Ion:248 Resp: 233
Ion Ratio Lower Upper
248 100
250 88.2 111.8 167.8#
141 1205.4 27.1 40.7#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.49 min Scan# 1220
Delta R.T. -0.10 min
Lab File: BE093922.D
Acq: 2 Sep 2017 6:32

Tgt Ion:284 Resp: 10
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

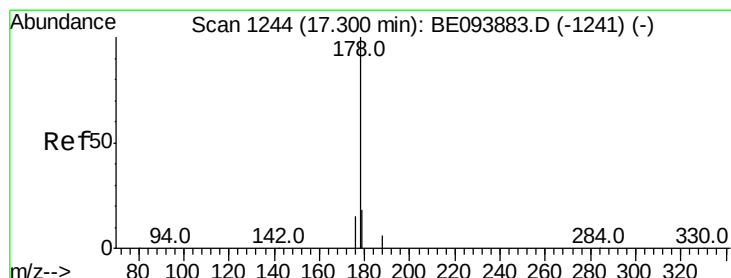
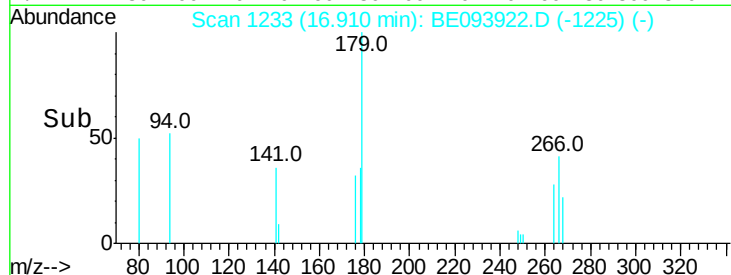
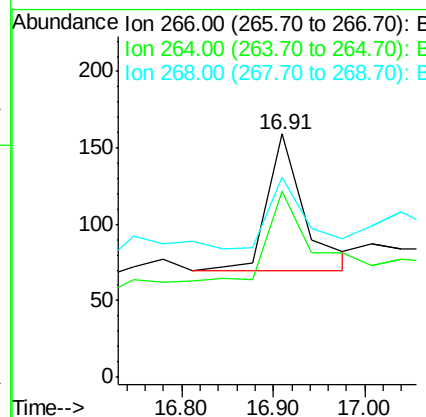
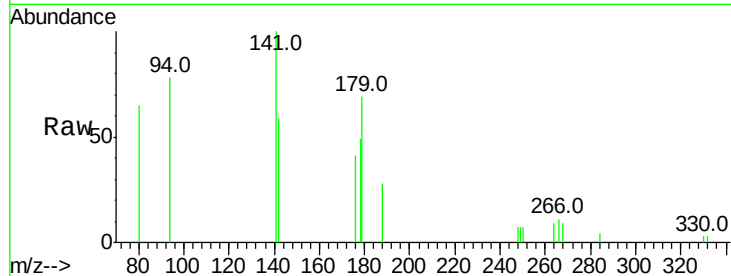




#22
 Pentachlorophenol
 Concen: 0.085 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. -0.03 min
 Lab File: BE093922.D
 Acq: 2 Sep 2017 6:32

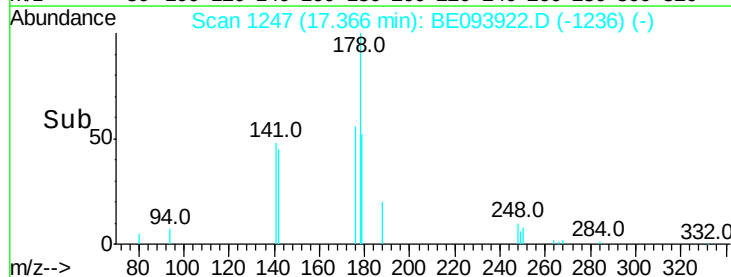
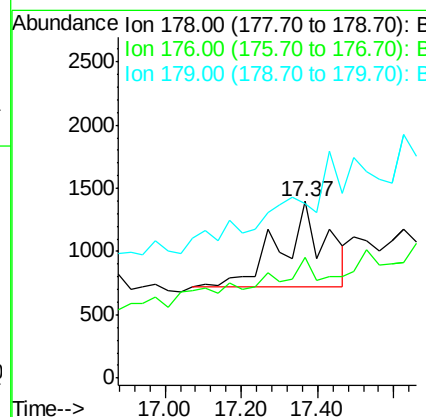
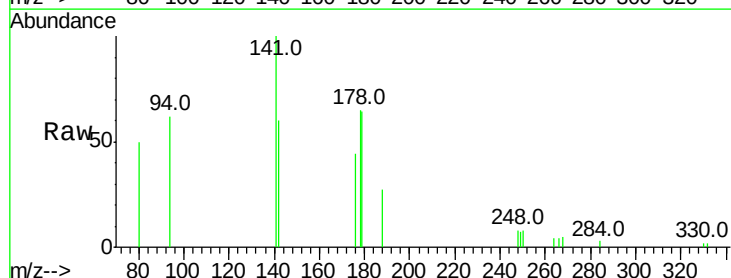
Instrument :
 BNA_E
 ClientSampled :
 3829-PA1

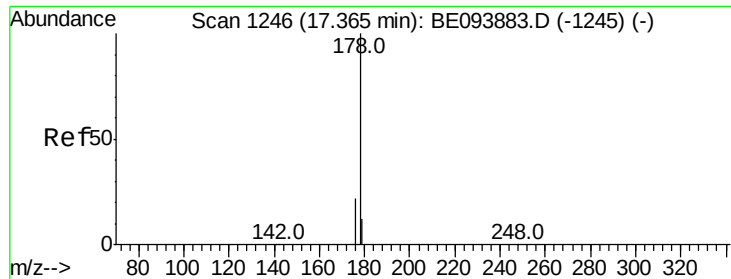
Tot Ion	Ion	Ratio	Lower	Upper
266	100			
264	76.7	53.5	80.3	
268	82.4	60.0	90.0	



#23
 Phenanthrene
 Concen: 0.117 ng
 RT: 17.37 min Scan# 1247
 Delta R.T. 0.07 min
 Lab File: BE093922.D
 Acq: 2 Sep 2017 6:32

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	37.4	0.0	0.0#	
179	0.0	12.6	18.8#	





#24

Anthracene

Concen: 0.096 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

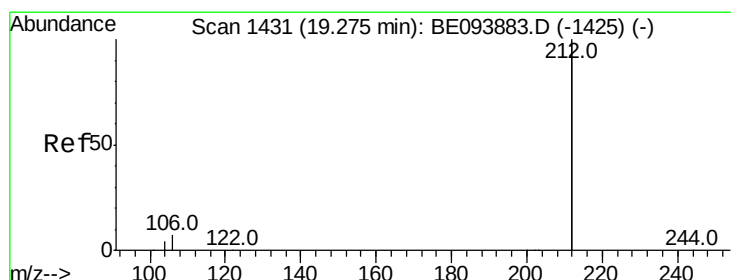
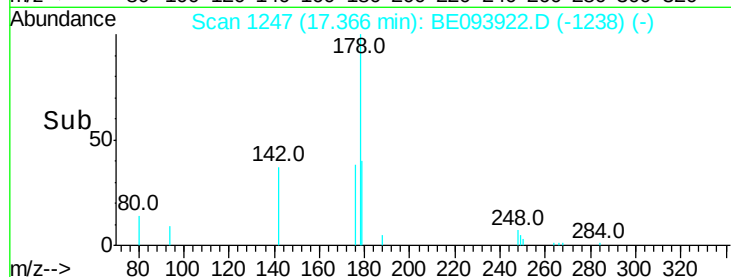
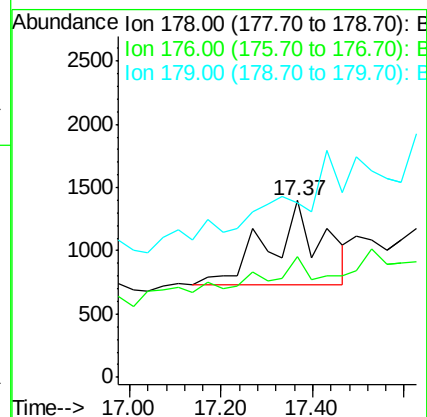
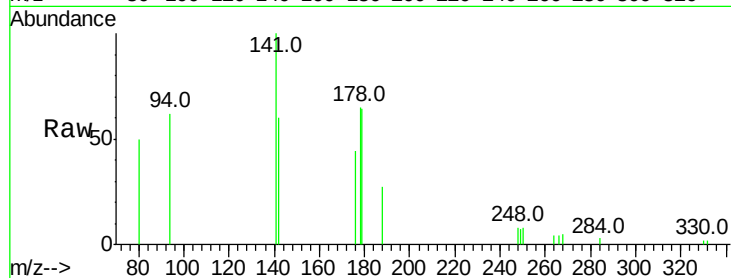
Tot Ion:178 Resp: 5465

Ion Ratio Lower Upper

178 100

176 38.2 16.0 24.0#

179 0.0 0.0 0.0



#25

Fluoranthene-d10

Concen: 0.310 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

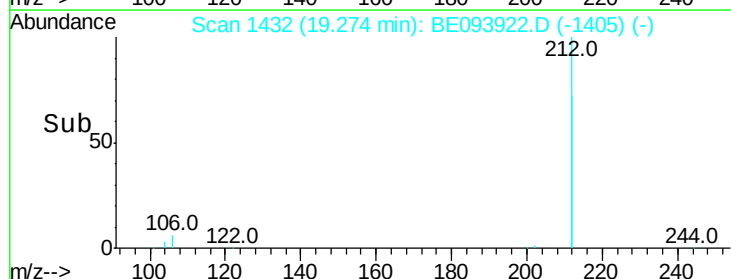
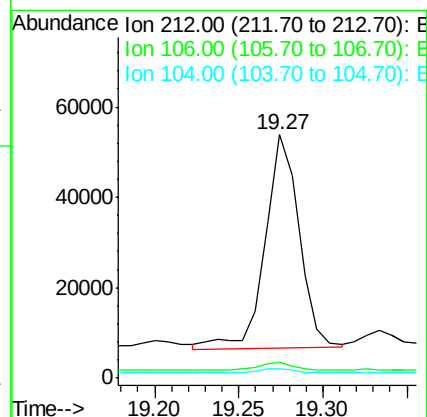
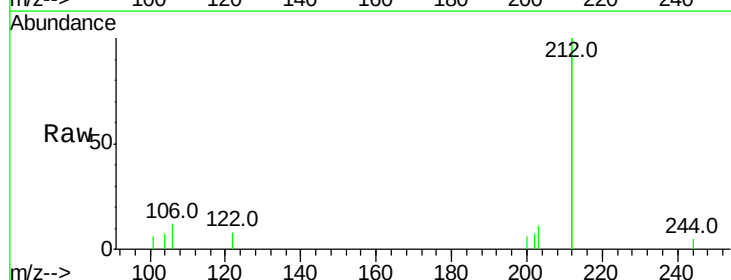
Tgt Ion:212 Resp: 66847

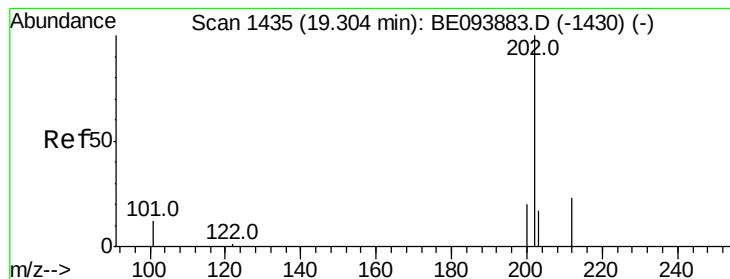
Ion Ratio Lower Upper

212 100

106 4.0 2.7 4.1

104 2.0 1.6 2.4





#26

Fluoranthene

Concen: 0.031 ng

RT: 19.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

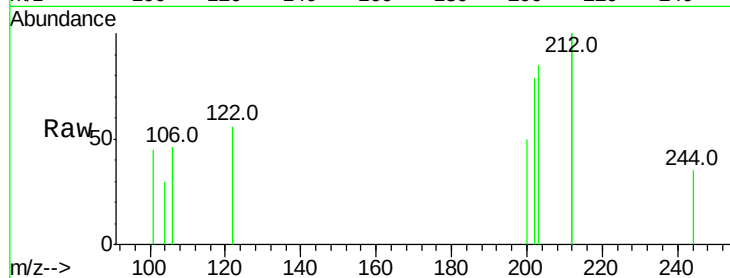
Tot Ion:202 Resp: 2032

Ion Ratio Lower Upper

202 100

101 29.8 9.7 14.5#

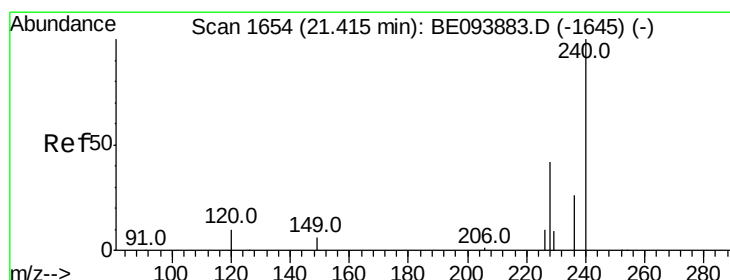
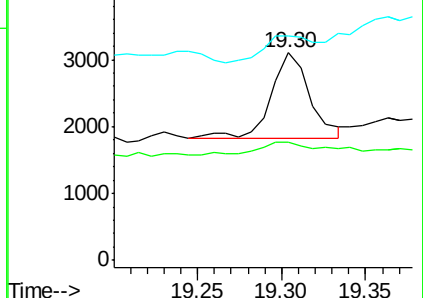
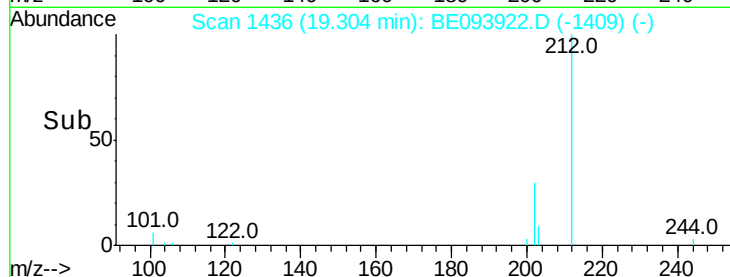
203 45.3 13.7 20.5#



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. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

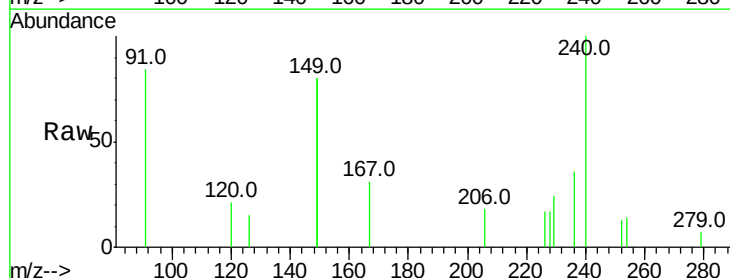
Tgt Ion:240 Resp: 17879

Ion Ratio Lower Upper

240 100

120 21.4 8.7 13.1#

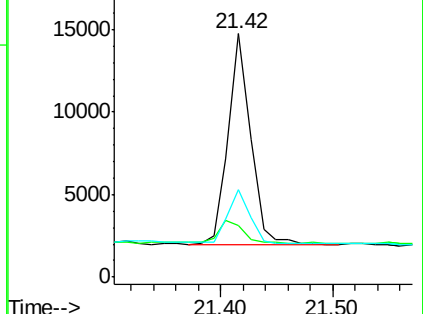
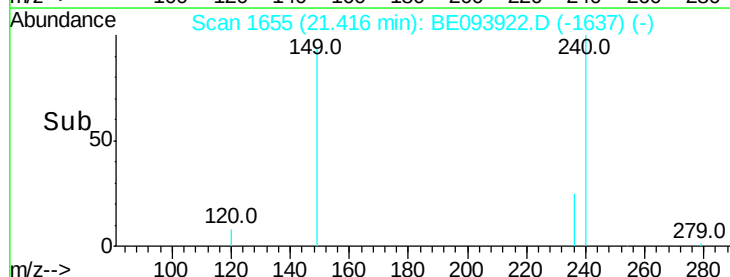
236 35.9 21.3 31.9#

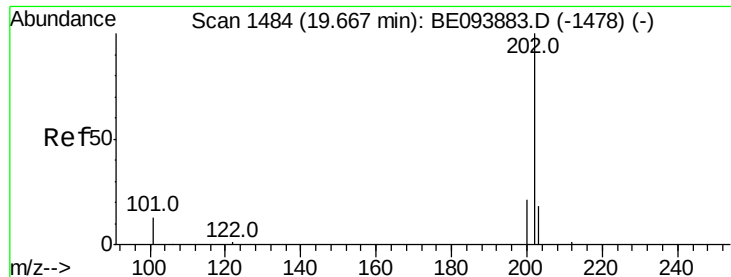


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.048 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampled :

3829-PA1

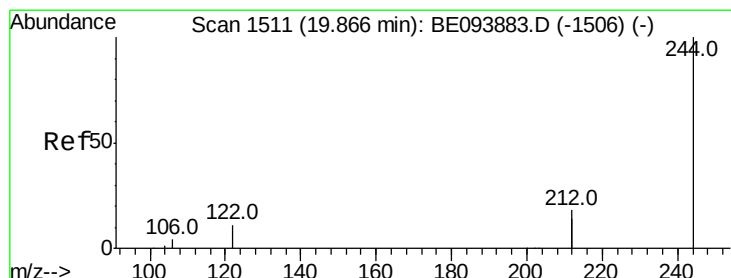
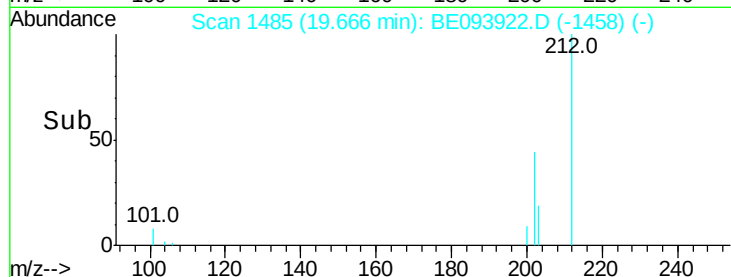
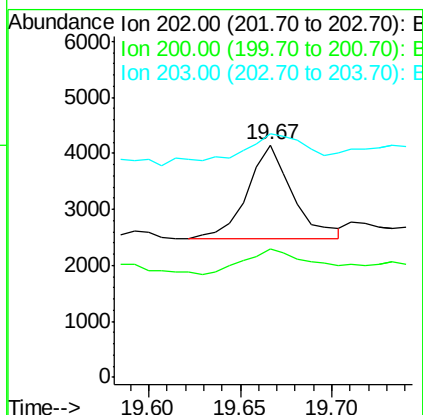
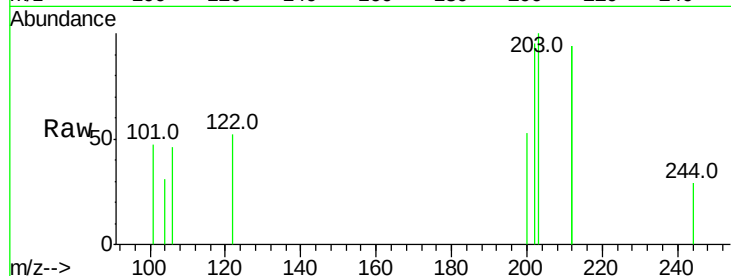
Tot Ion:202 Resp: 2882

Ion Ratio Lower Upper

202 100

200 44.1 16.6 24.8#

203 52.2 14.2 21.4#



#29

Terphenyl-d14

Concen: 0.487 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

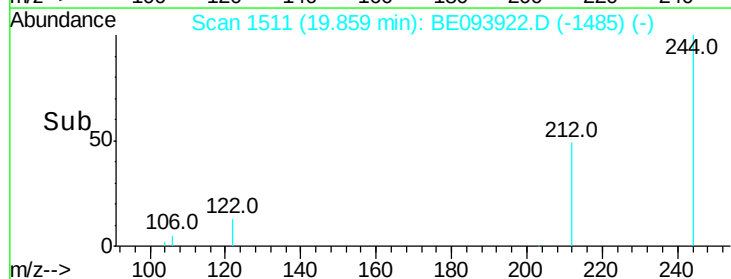
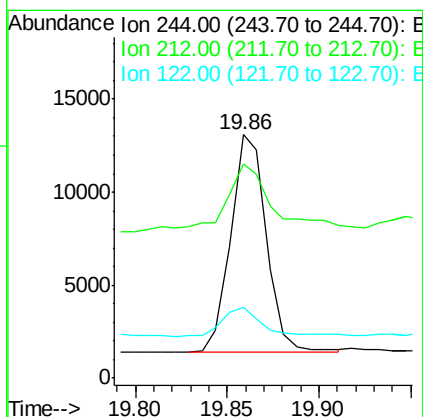
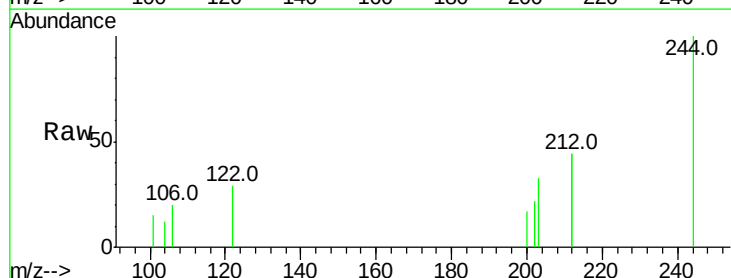
Tgt Ion:244 Resp: 15754

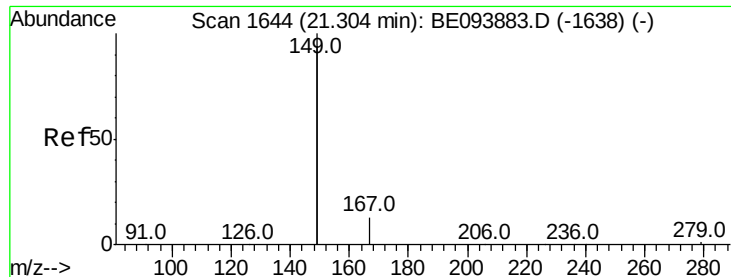
Ion Ratio Lower Upper

244 100

212 88.1 28.3 42.5#

122 29.2 9.4 14.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.508 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

Instrument :

BNA_E

ClientSampleId :

3829-PA1

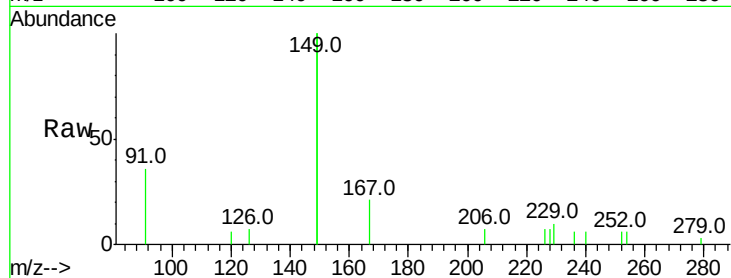
Tot Ion:149 Resp: 56842

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

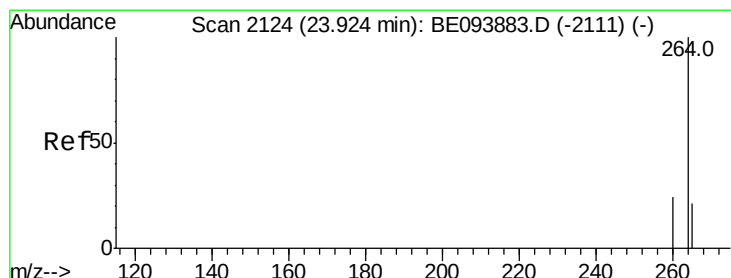
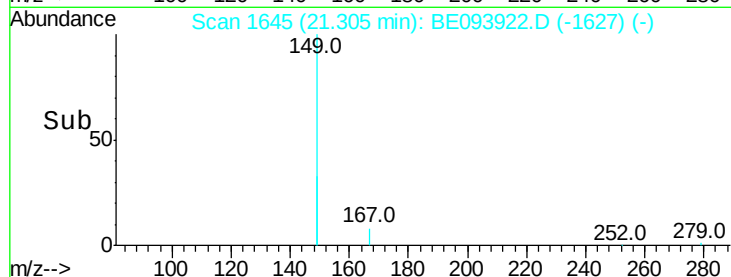
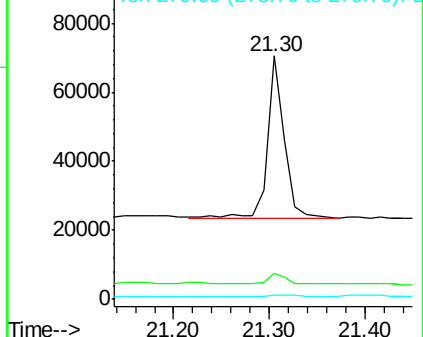
279 1.1 0.7 1.1#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BE093922.D

Acq: 2 Sep 2017 6:32

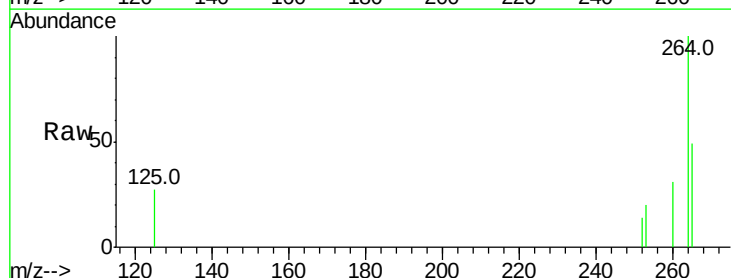
Tgt Ion:264 Resp: 15508

Ion Ratio Lower Upper

264 100

260 30.7 20.0 30.0#

265 49.0 24.0 36.0#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

