

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093990.D
 Acq On : 13 Sep 2017 15:43
 Operator : SJ/JU
 Sample : I5189-05MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 00:54:02 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	2787	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14011	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	8379	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	19176	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	21702	0.40	ng	-0.01
34) Perylene-d12	23.93	264	16474	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	990	0.11	ng	0.00
5) Phenol-d6	7.11	99	848	0.06	ng	0.00
8) Nitrobenzene-d5	9.08	82	2819	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5489	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	522	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	8505	0.26	ng	0.00
25) Fluoranthene-d10	19.28	212	59091	0.21	ng	0.00
29) Terphenyl-d14	19.86	244	12973	0.32	ng	-0.01

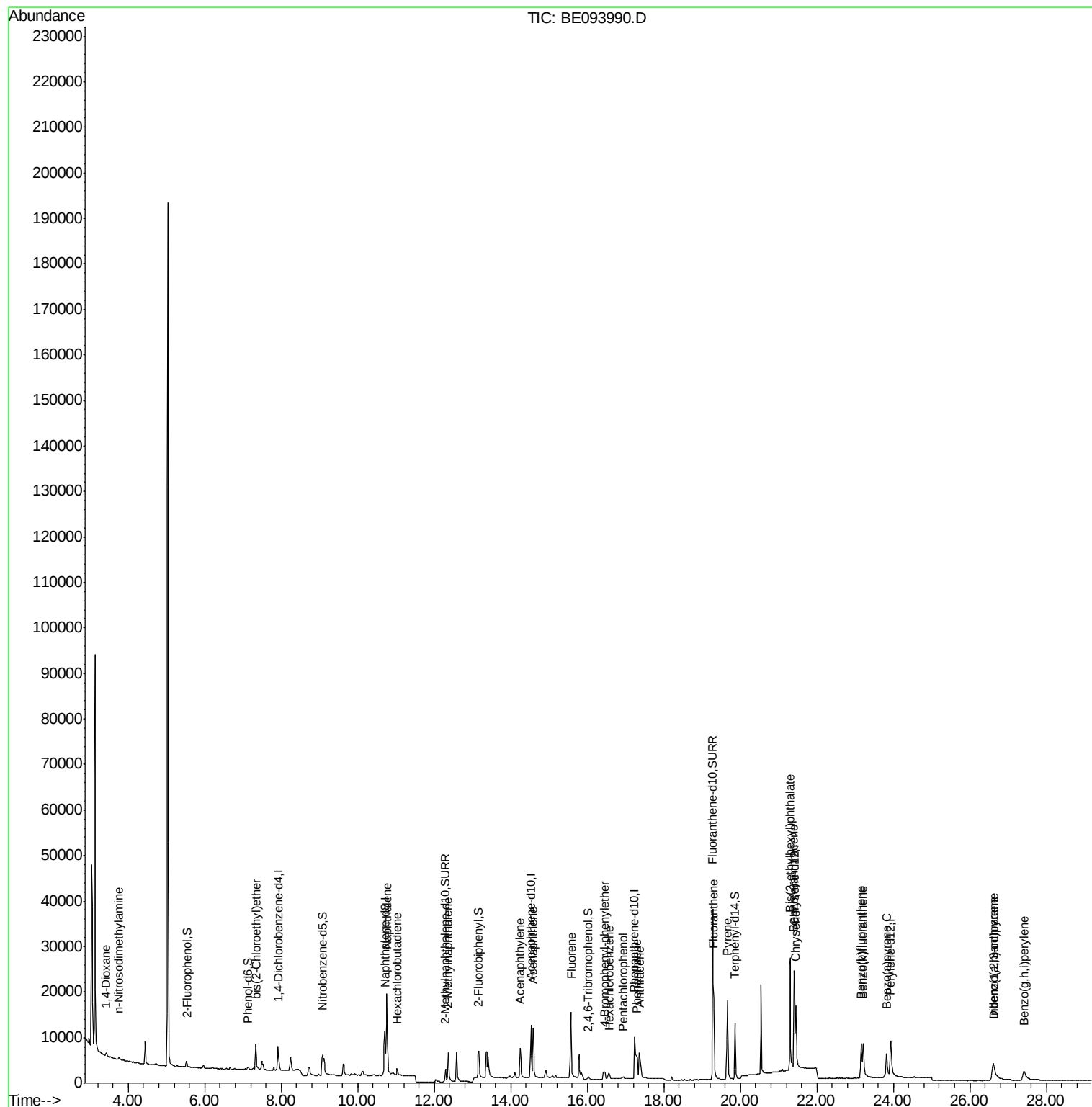
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	436	0.114	ng	# 1
3) n-Nitrosodimethylamine	3.75	42	463	0.103	ng	# 88
6) bis(2-Chloroethyl)ether	7.34	93	2446	0.221	ng	95
9) Naphthalene	10.76	128	36565	0.228	ng	100
10) Hexachlorobutadiene	11.03	225	1209	0.207	ng	98
12) 2-Methylnaphthalene	12.36	142	6375	0.239	ng	98
16) Acenaphthylene	14.24	152	9210	0.220	ng	100
17) Acenaphthene	14.58	154	6440	0.228	ng	98
18) Fluorene	15.58	166	8411	0.231	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1821	0.105	ng	98
21) Hexachlorobenzene	16.58	284	1703	0.150	ng	# 100
22) Pentachlorophenol	16.94	266	1142	0.376	ng	96
23) Phenanthrene	17.30	178	10882	0.059	ng	# 99
24) Anthracene	17.37	178	12397	0.212	ng	# 99
26) Fluoranthene	19.31	202	17173	0.201	ng	99
28) Pyrene	19.67	202	17757	0.238	ng	99
30) Benzo(a)anthracene	21.40	228	14969	0.225	ng	99
31) Chrysene	21.45	228	16719	0.237	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	35830	0.221	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	8969	0.191	ng	98
35) Benzo(b)fluoranthene	23.16	252	12120	0.231	ng	98
36) Benzo(k)fluoranthene	23.21	252	16020	0.249	ng	96
37) Benzo(a)pyrene	23.82	252	12267	0.230	ng	97
38) Dibenzo(a,h)anthracene	26.62	278	7109	0.201	ng	# 91
39) Benzo(g,h,i)perylene	27.42	276	8191	0.219	ng	97

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

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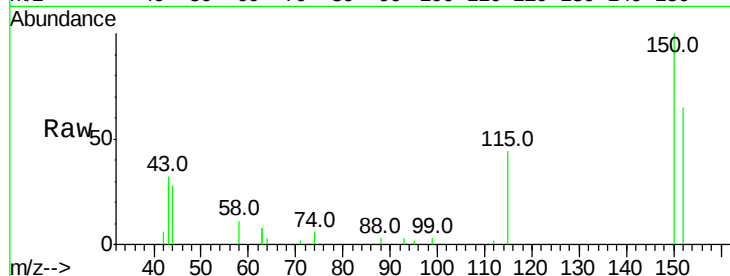


#1

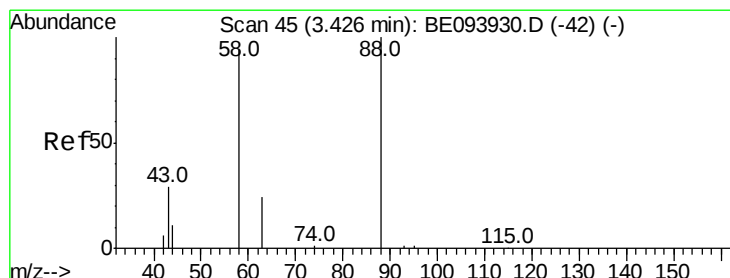
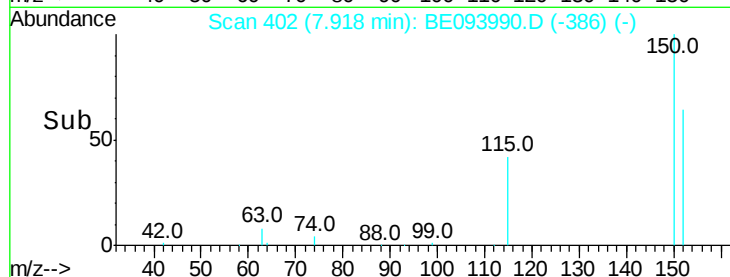
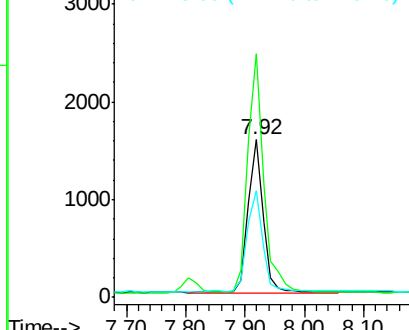
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2787
Ion Ratio Lower Upper
152 100
150 154.5 121.8 182.6
115 67.5 52.6 79.0



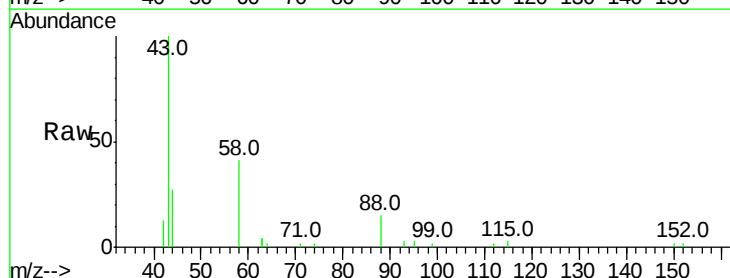
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



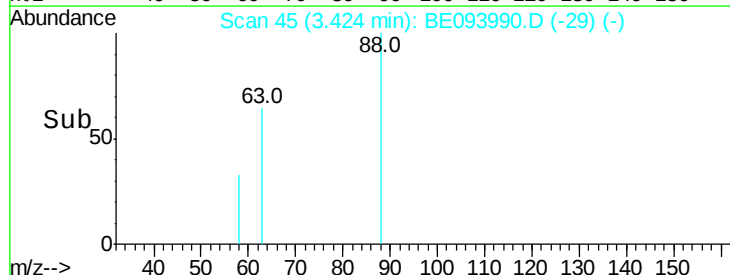
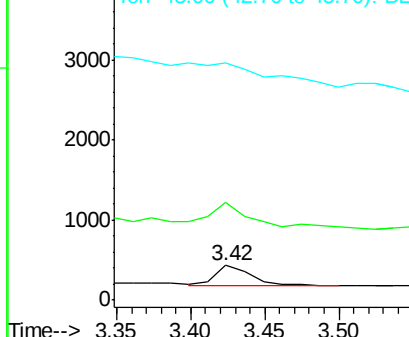
#2

1,4-Dioxane
Concen: 0.114 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion: 88 Resp: 436
Ion Ratio Lower Upper
88 100
58 261.5 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: 0.103 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampled :

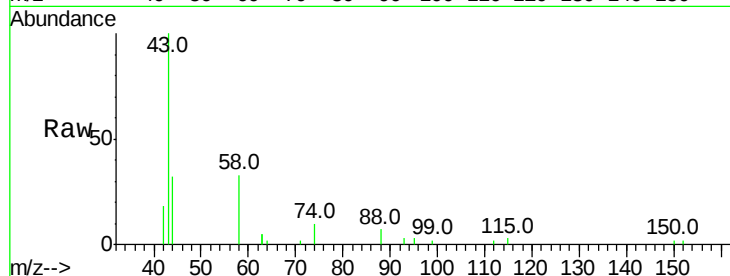
Tot Ion: 42 Resp: 463

Ion Ratio Lower Upper

42 100

74 119.7 104.0 156.0

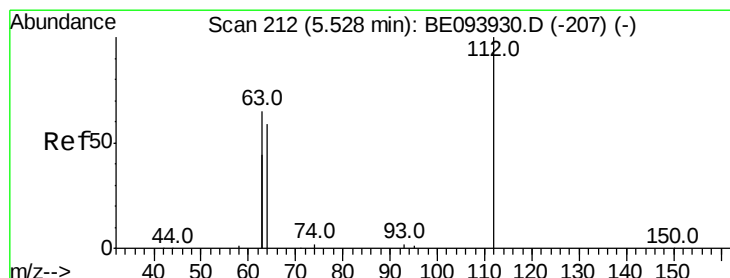
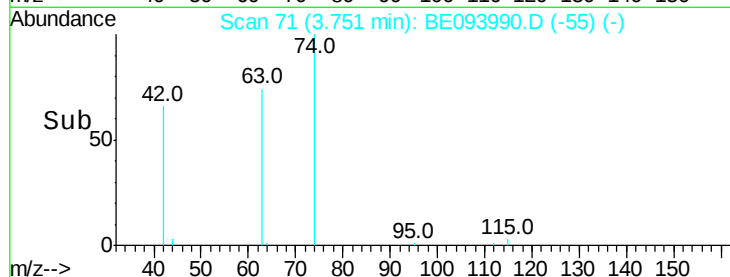
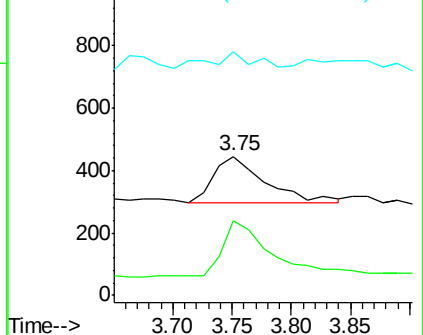
44 32.4 13.8 20.8#



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: 0.110 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

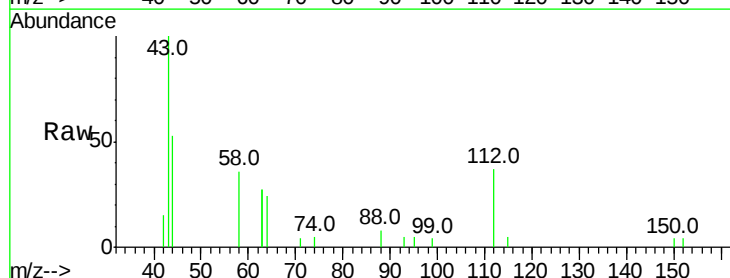
Tgt Ion: 112 Resp: 990

Ion Ratio Lower Upper

112 100

64 72.2 57.7 86.5

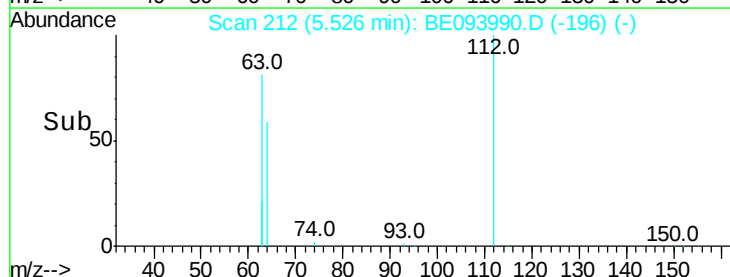
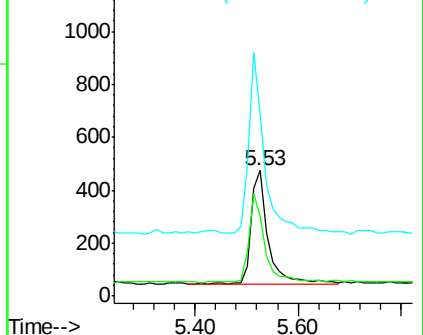
63 147.8 116.0 174.0

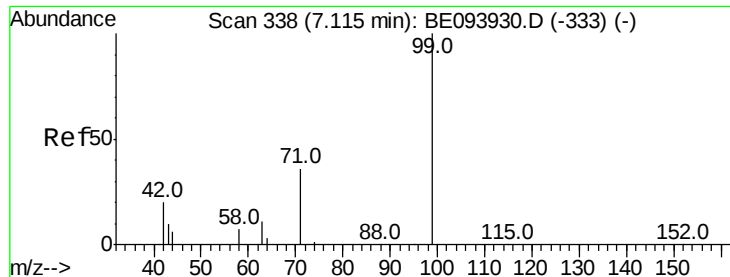


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.063 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampled :

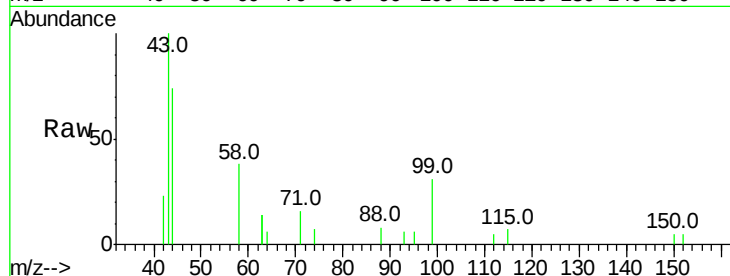
Tot Ion: 99 Resp: 848

Ion Ratio Lower Upper

99 100

42 30.4 17.1 25.7#

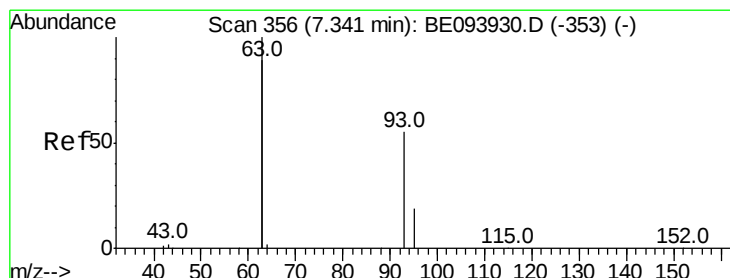
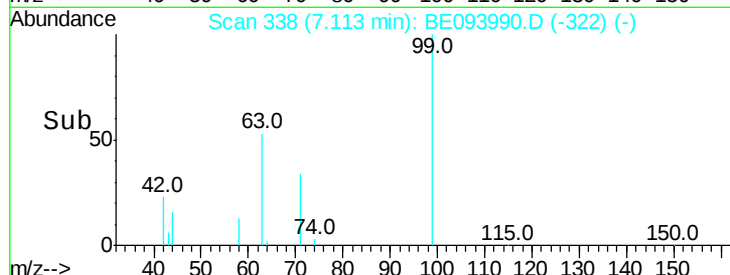
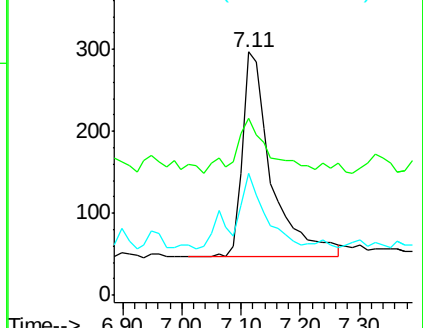
71 29.0 26.6 39.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.221 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

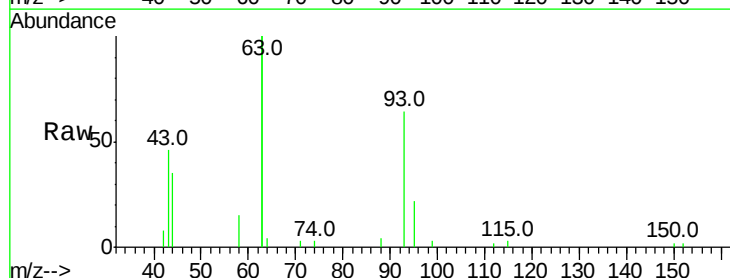
Tgt Ion: 93 Resp: 2446

Ion Ratio Lower Upper

93 100

63 343.8 283.4 425.2

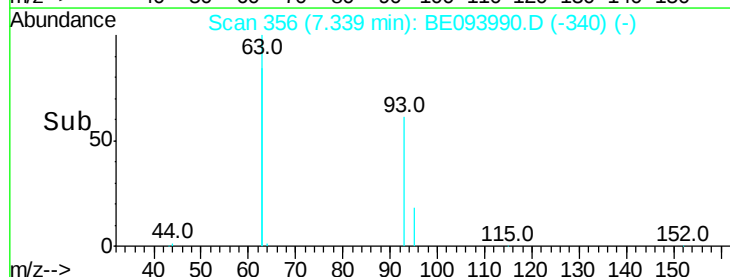
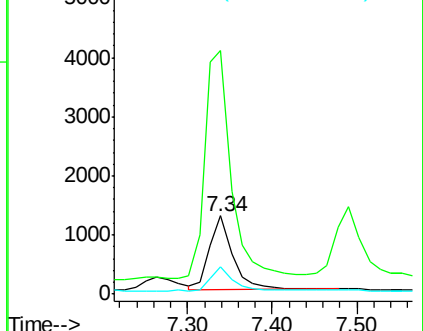
95 31.5 26.9 40.3

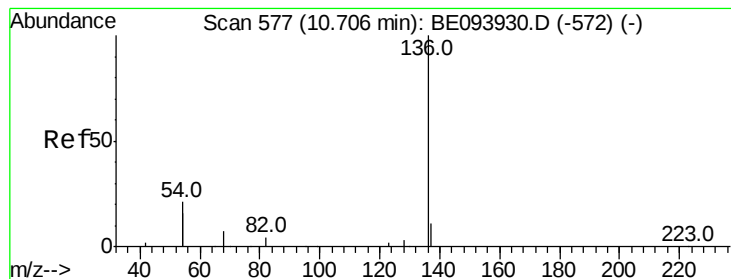


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14011

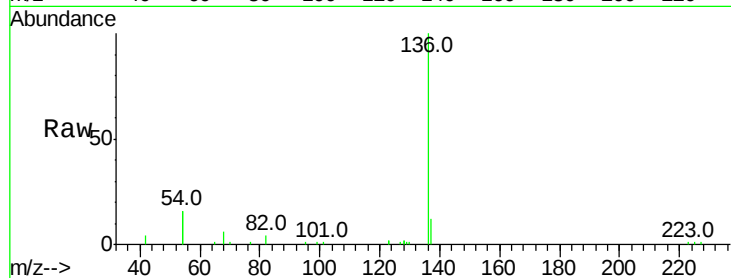
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 31.4 21.9 32.9

68 6.3 4.6 7.0

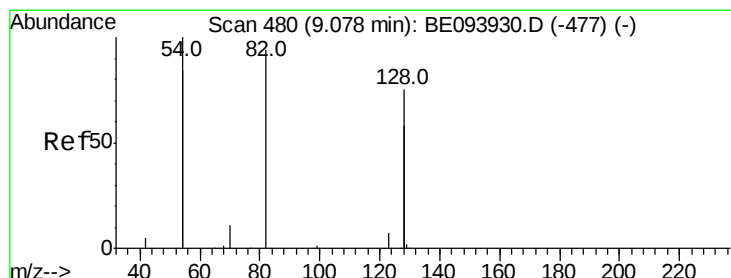
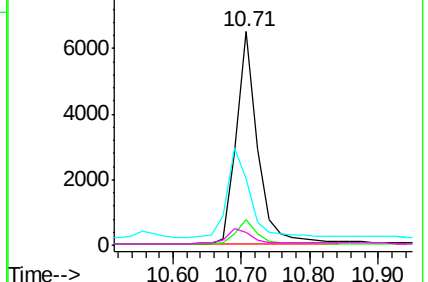
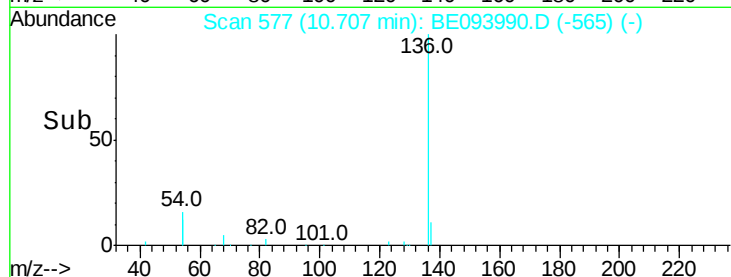


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.238 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

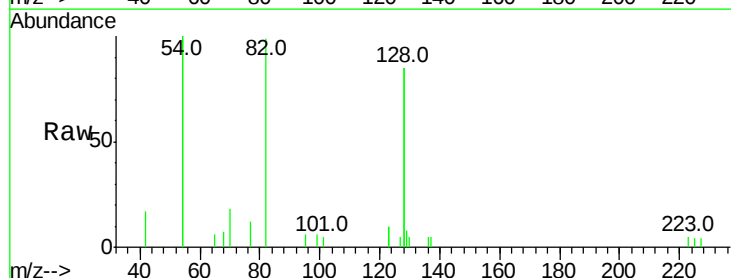
Tgt Ion: 82 Resp: 2819

Ion Ratio Lower Upper

82 100

128 171.2 91.4 137.0#

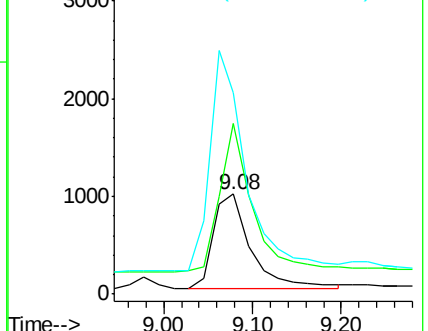
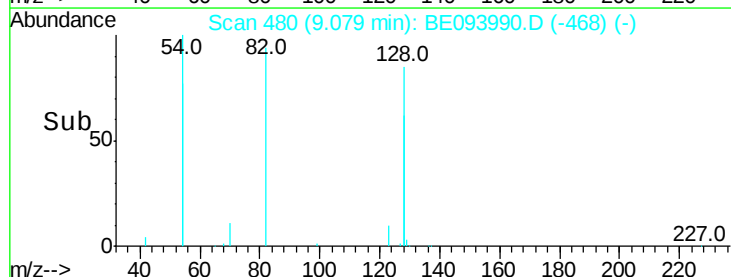
54 202.2 197.8 296.8

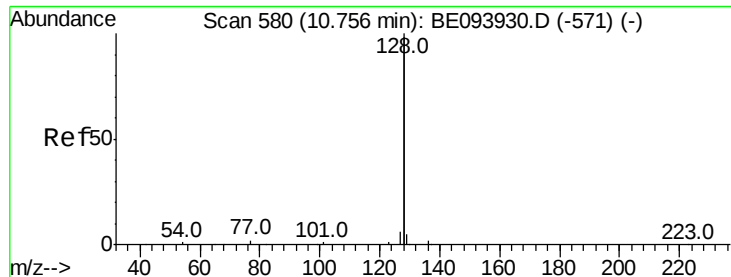


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.228 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

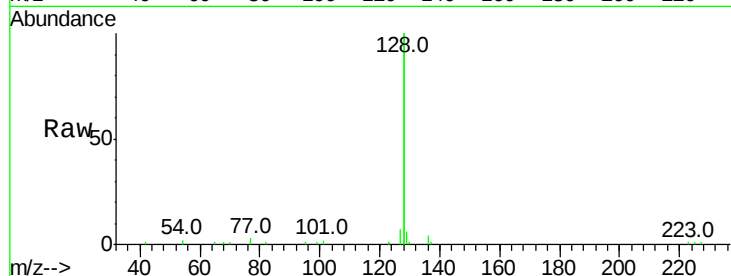
Tot Ion:128 Resp: 36565

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

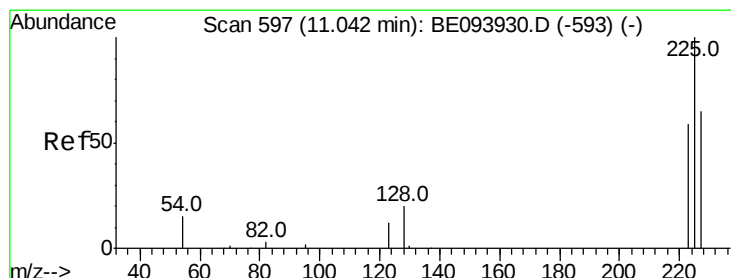
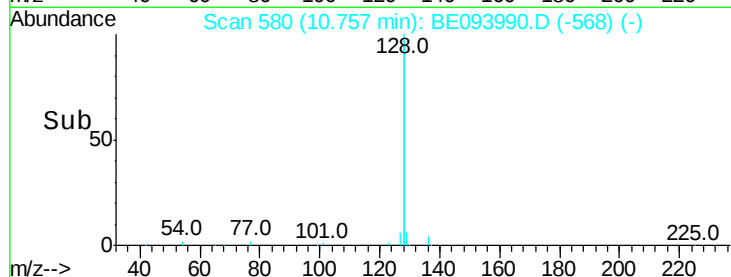
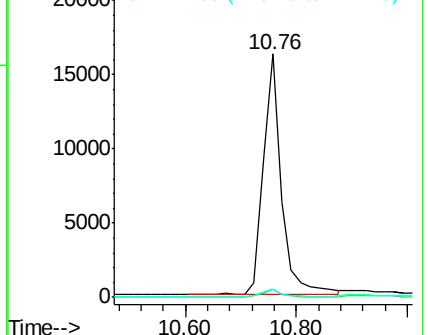
127 3.4 2.6 4.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.207 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

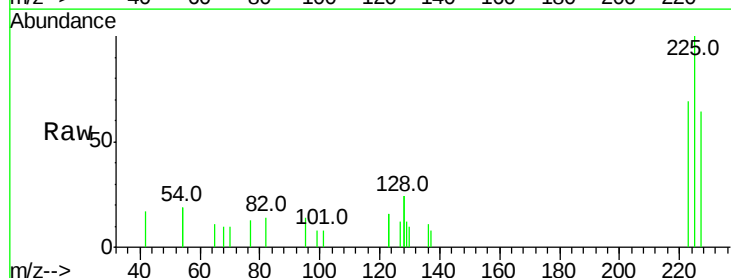
Tgt Ion:225 Resp: 1209

Ion Ratio Lower Upper

225 100

223 64.4 49.4 74.0

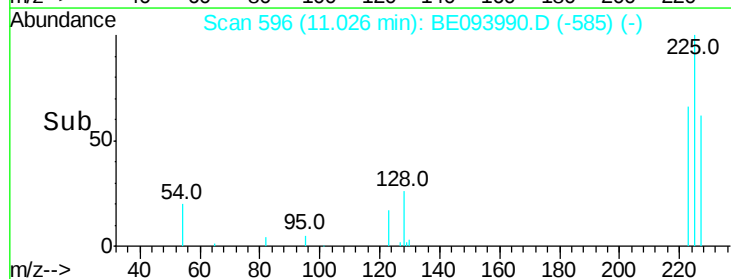
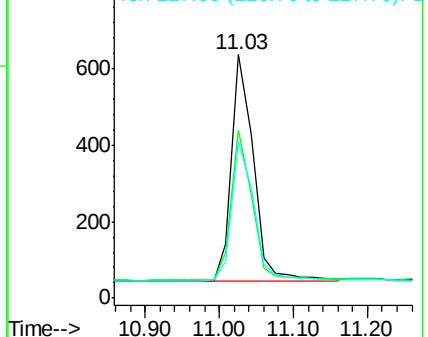
227 63.4 50.5 75.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.245 ng

RT: 12.29 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

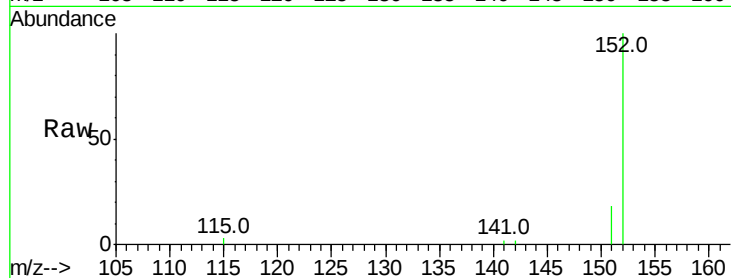
ClientSampled :

Tot Ion:152 Resp: 5489

Ion Ratio Lower Upper

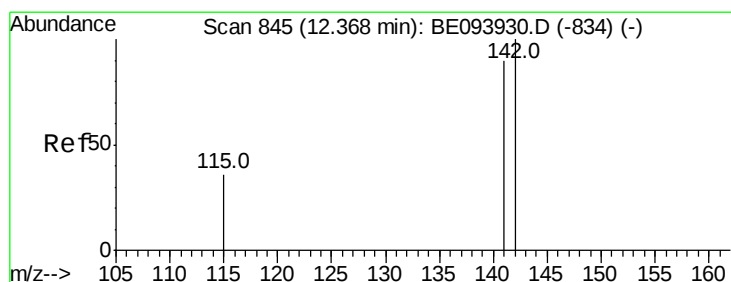
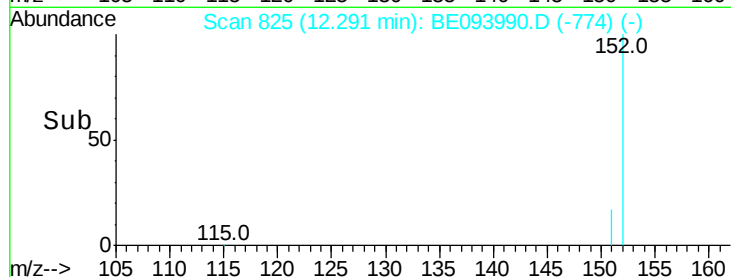
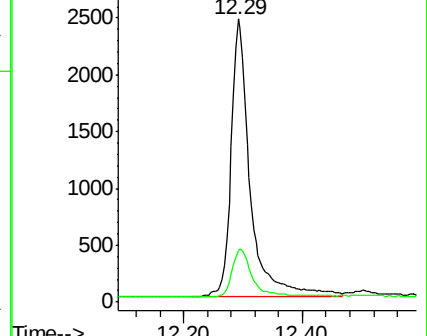
152 100

151 18.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.239 ng

RT: 12.36 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

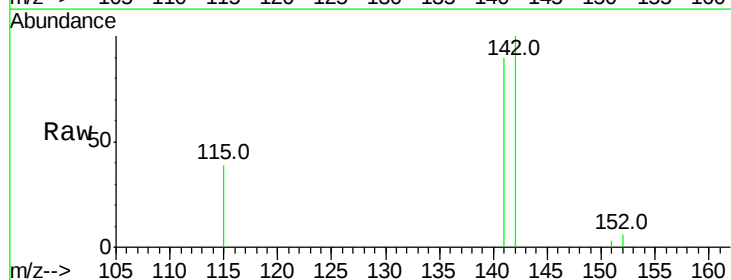
Tgt Ion:142 Resp: 6375

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.2

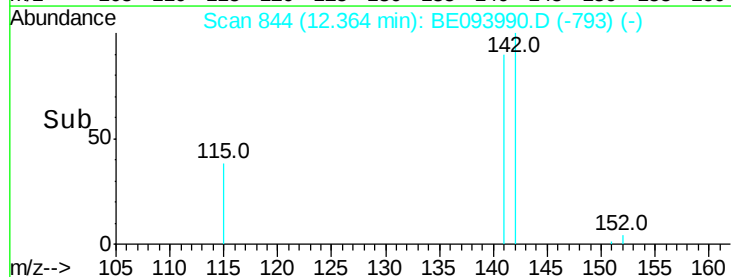
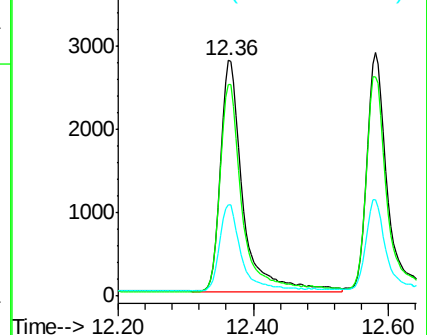
115 38.8 29.4 44.0



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

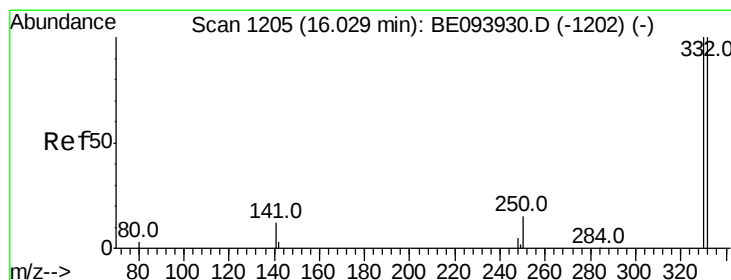
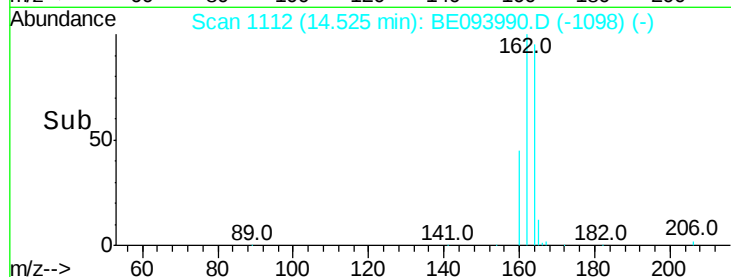
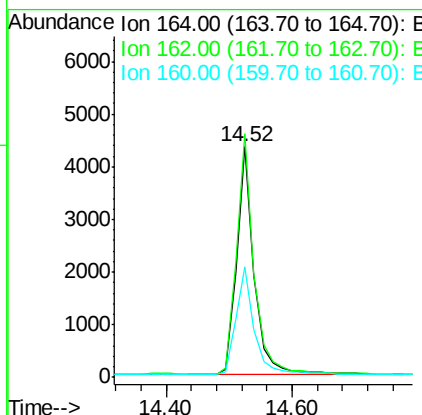
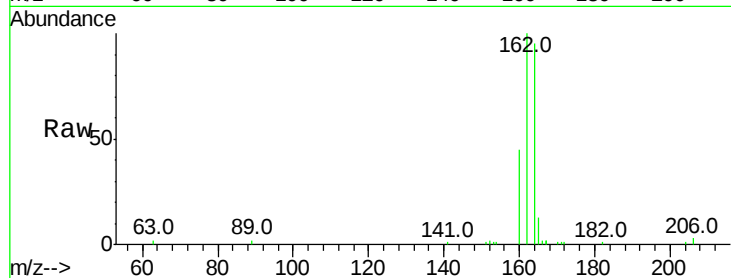




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

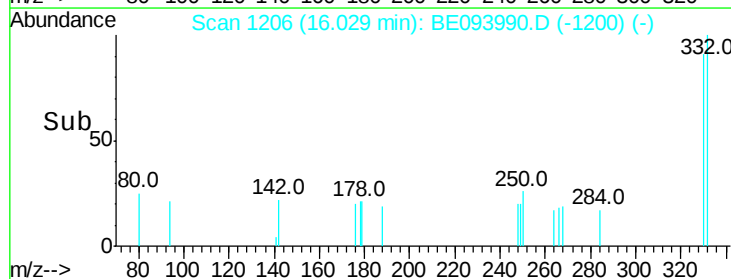
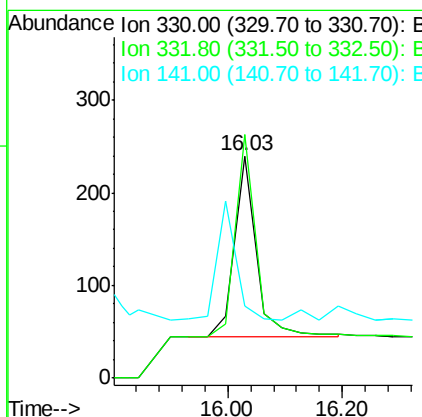
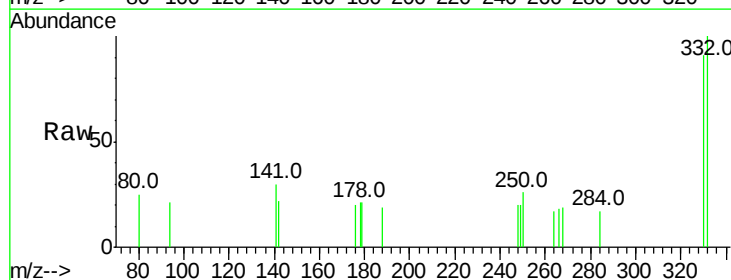
Instrument :
 BNA_E
 ClientSampleId :

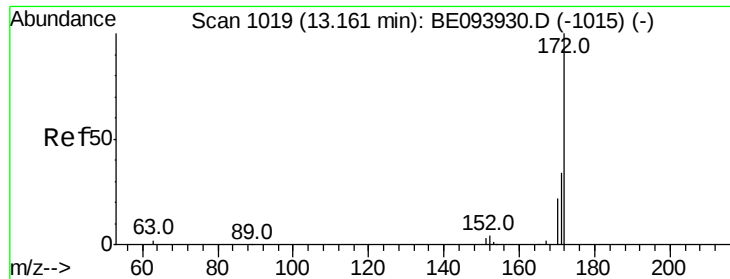
Tot Ion:164 Resp: 8379
 Ion Ratio Lower Upper
 164 100
 162 105.5 80.8 121.2
 160 47.7 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.201 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

Tgt Ion:330 Resp: 522
 Ion Ratio Lower Upper
 330 100
 332 103.8 76.9 115.3
 141 0.0 0.0 0.0

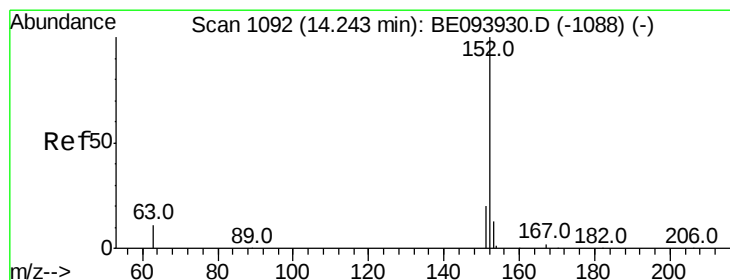
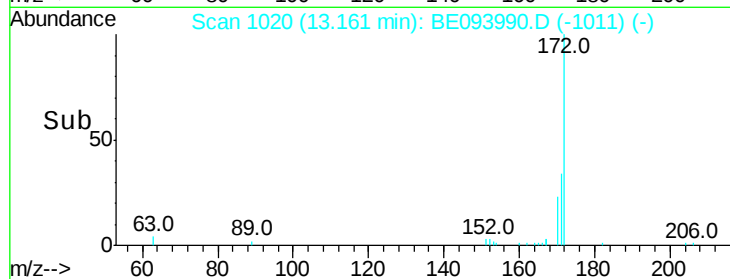
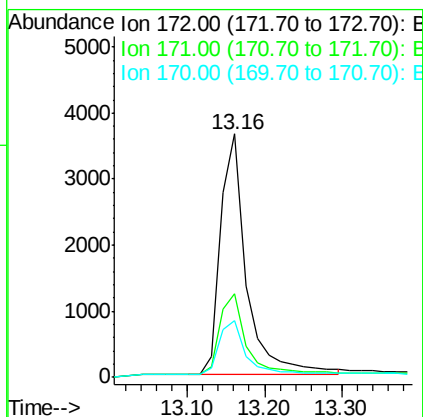
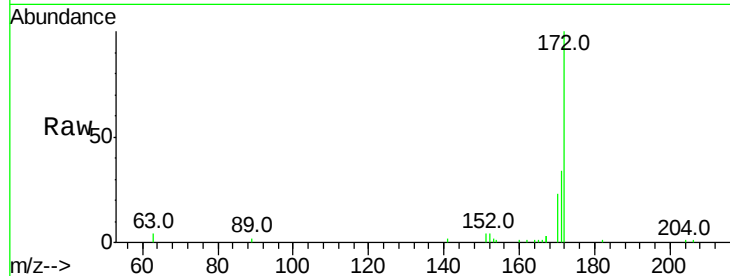




#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

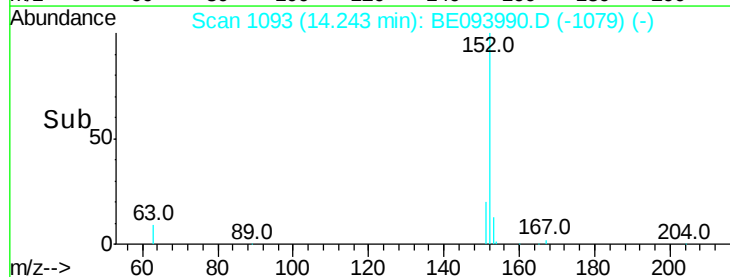
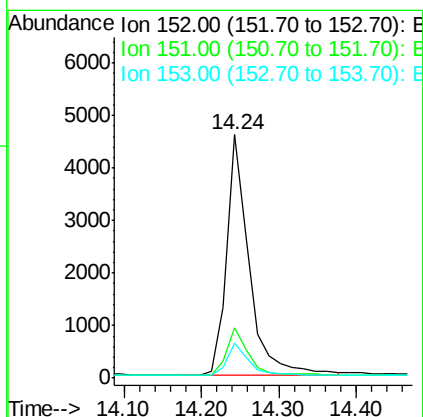
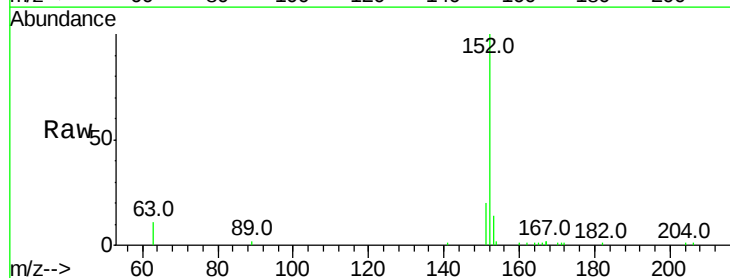
Instrument :
BNA_E
ClientSampleId :

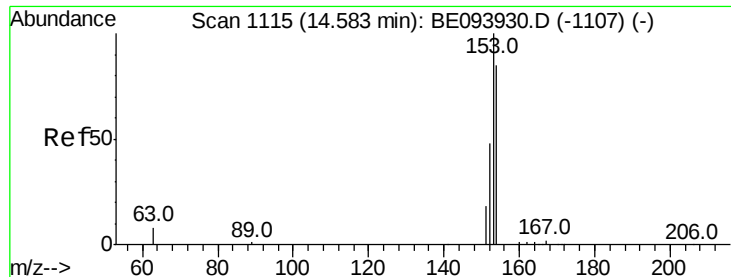
Tot Ion:172 Resp: 8505
Ion Ratio Lower Upper
172 100
171 34.1 26.9 40.3
170 23.1 17.3 25.9



#16
Acenaphthylene
Concen: 0.220 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093990.D
Acq: 13 Sep 2017 15:43

Tgt Ion:152 Resp: 9210
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.3 10.6 16.0





#17

Acenaphthene

Concen: 0.228 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

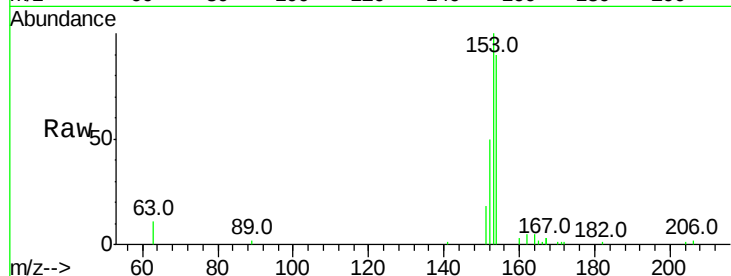
Tot Ion:154 Resp: 6440

Ion Ratio Lower Upper

154 100

153 112.9 91.8 137.6

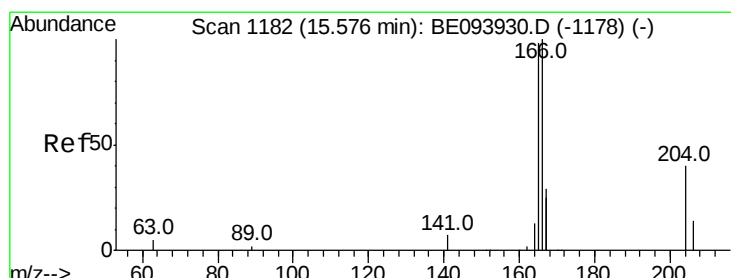
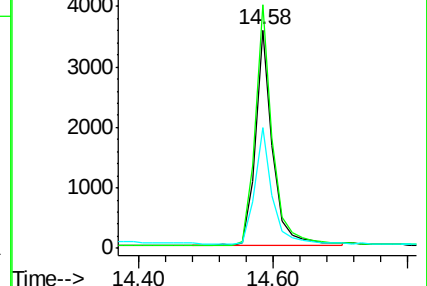
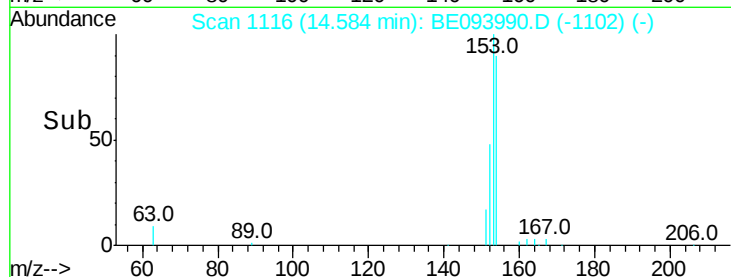
152 54.2 44.9 67.3



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: 0.231 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

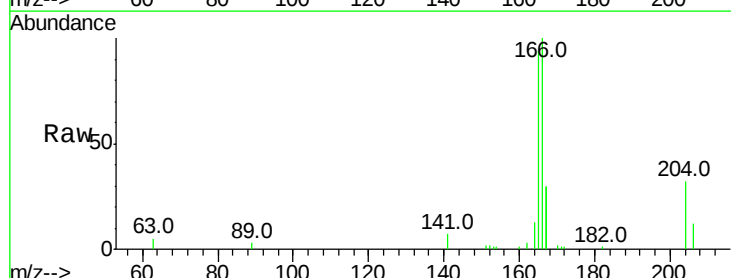
Tgt Ion:166 Resp: 8411

Ion Ratio Lower Upper

166 100

165 98.8 79.4 119.0

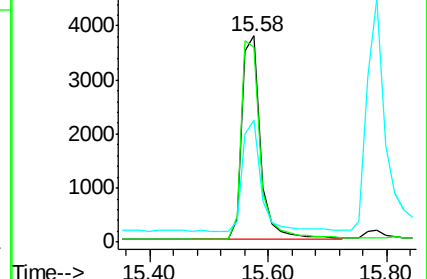
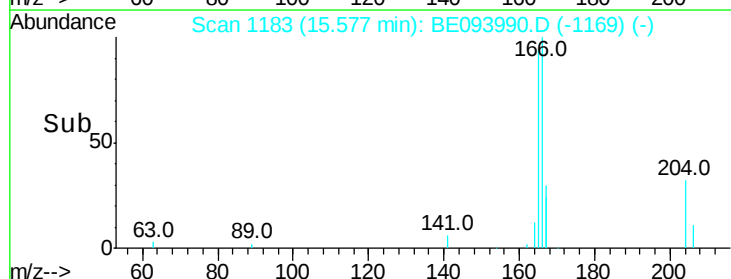
167 53.6 43.5 65.3

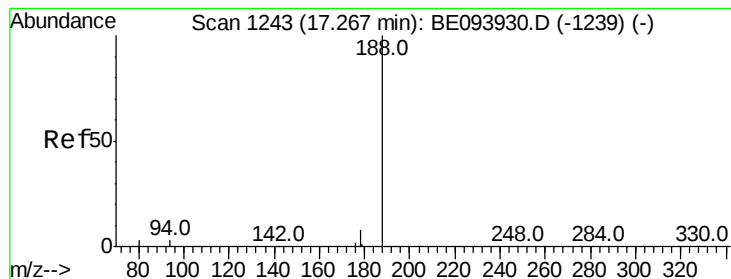


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

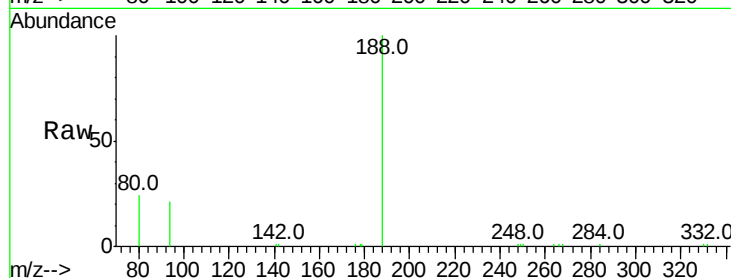
Tot Ion:188 Resp: 19176

Ion Ratio Lower Upper

188 100

94 20.8 16.1 24.1

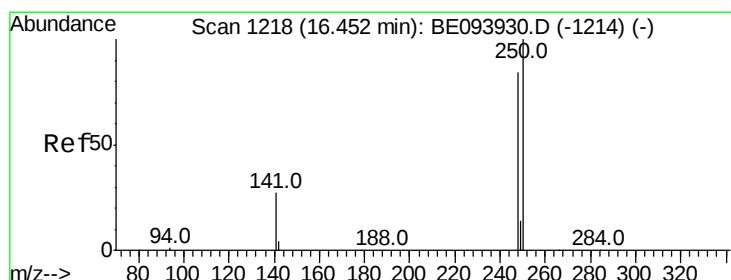
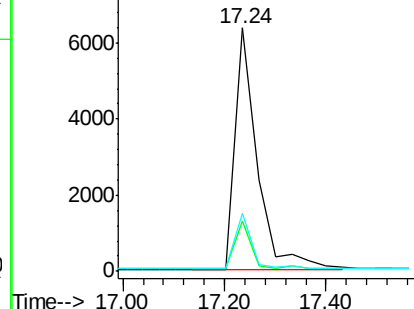
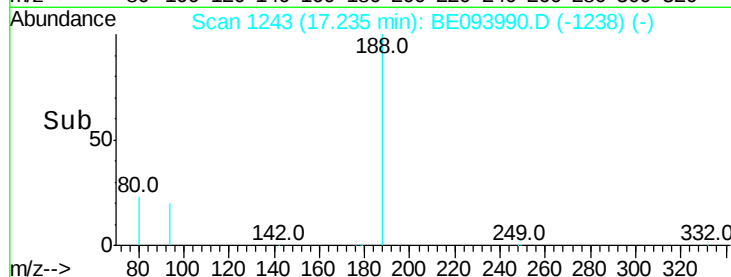
80 23.7 18.2 27.2



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: 0.105 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

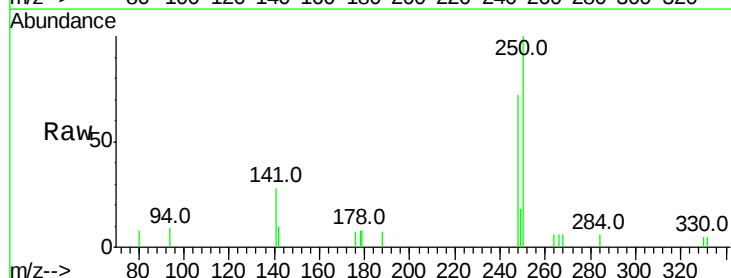
Tgt Ion:248 Resp: 1821

Ion Ratio Lower Upper

248 100

250 138.7 111.8 167.8

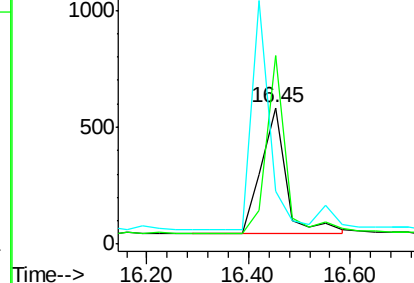
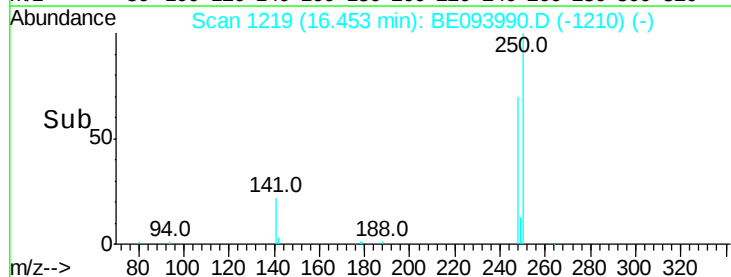
141 38.8 27.1 40.7

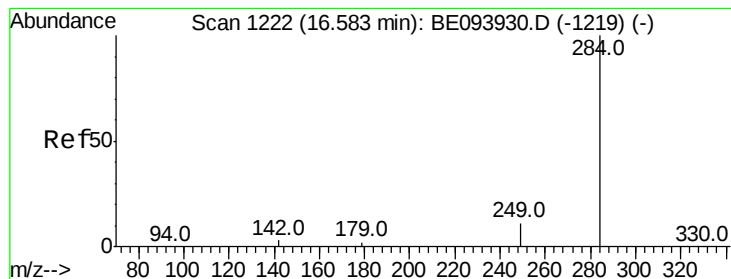


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.150 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

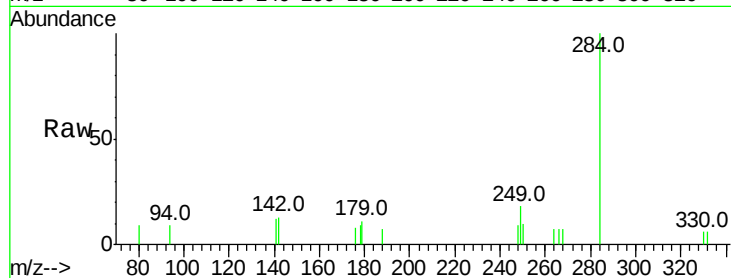
Tot Ion:284 Resp: 1703

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

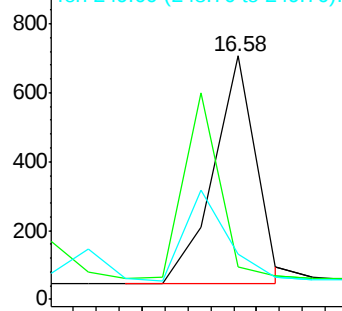
249 0.0 0.0 0.0



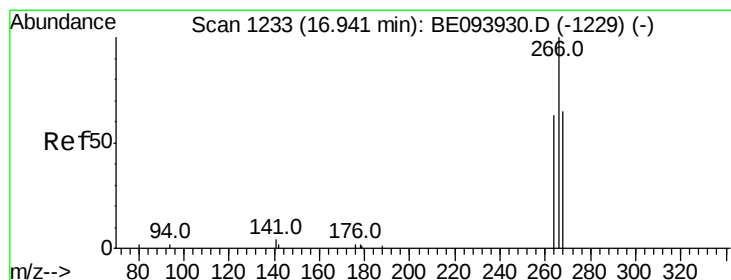
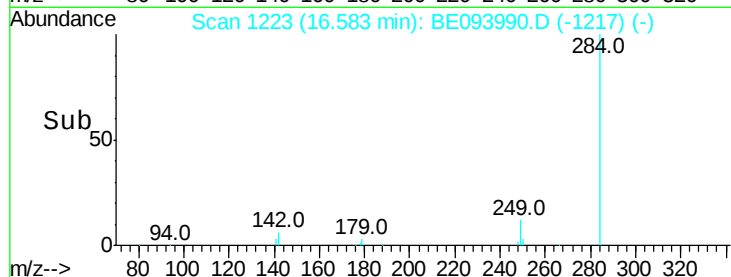
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.376 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

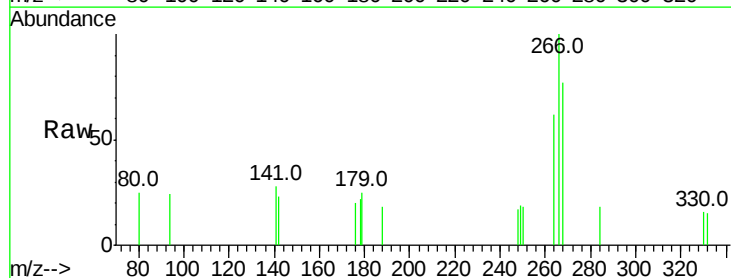
Tgt Ion:266 Resp: 1142

Ion Ratio Lower Upper

266 100

264 62.1 53.5 80.3

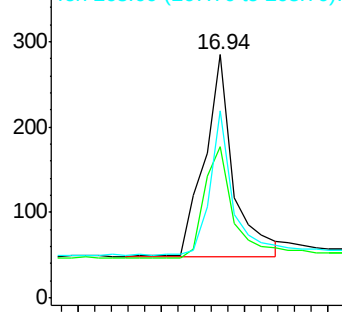
268 76.8 60.0 90.0



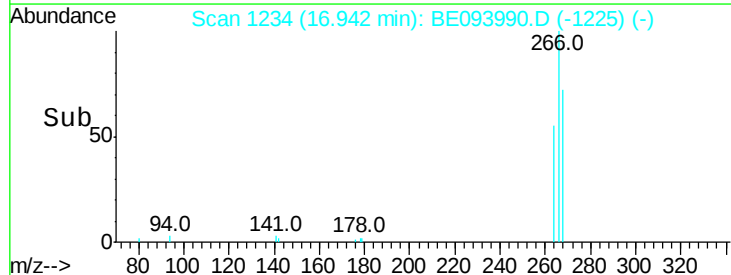
Abundance Ion 266.00 (265.70 to 266.70): E

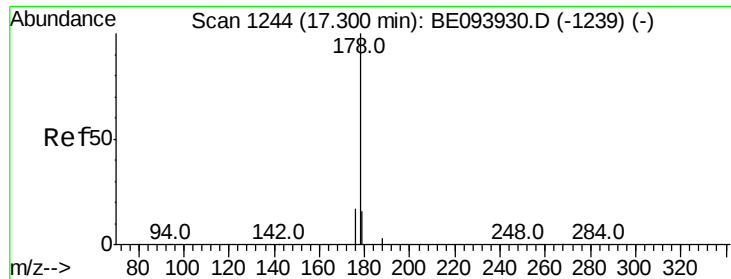
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.059 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

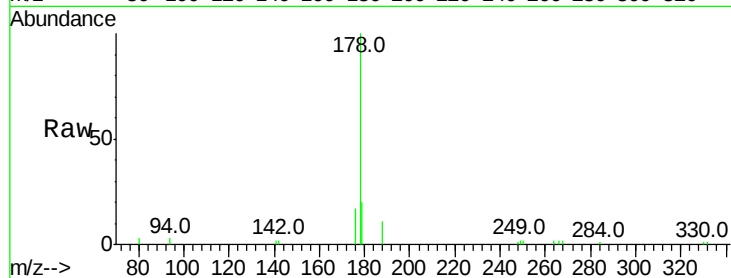
Tot Ion:178 Resp: 10882

Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

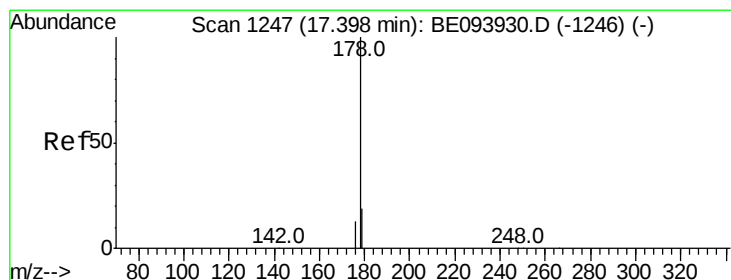
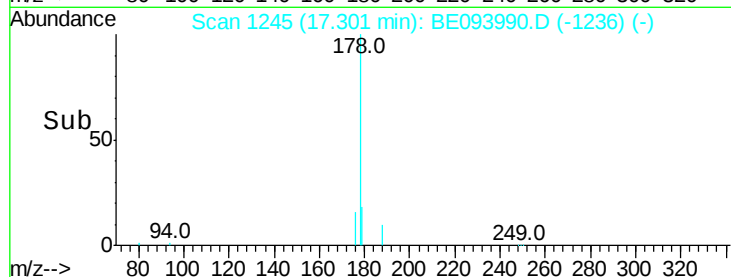
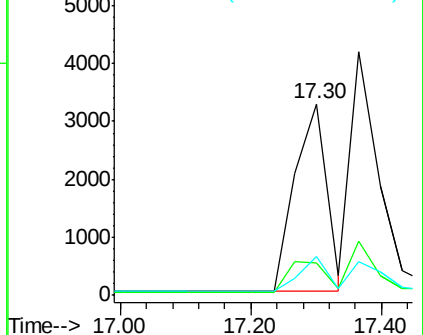
179 16.0 12.6 18.8



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: 0.212 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

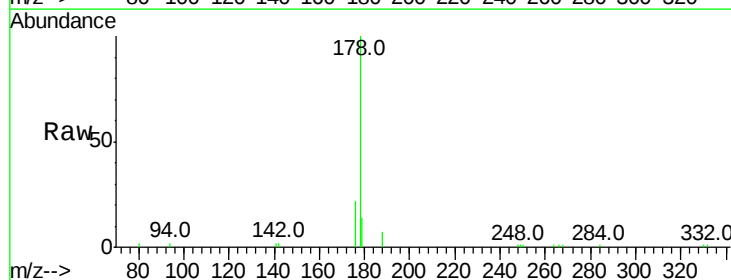
Tgt Ion:178 Resp: 12397

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

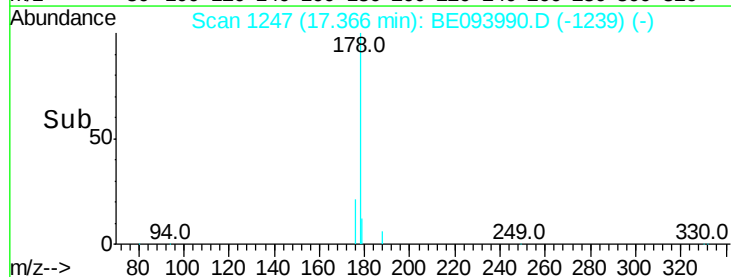
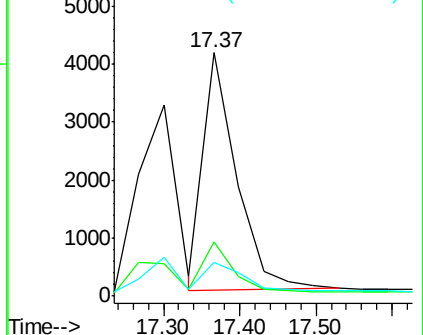
179 0.0 0.0 0.0

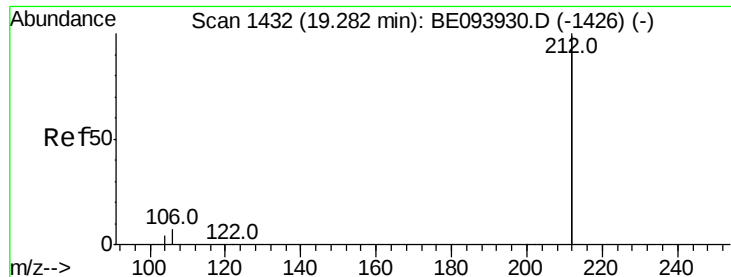


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.207 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

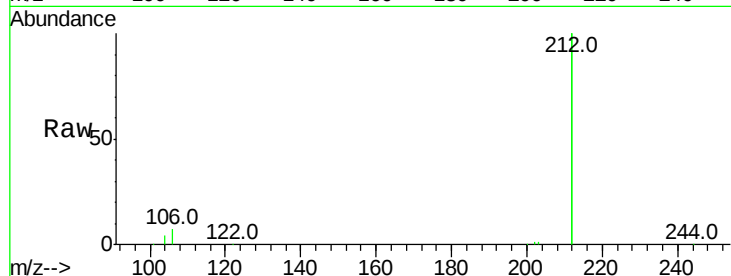
Tot Ion:212 Resp: 59091

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

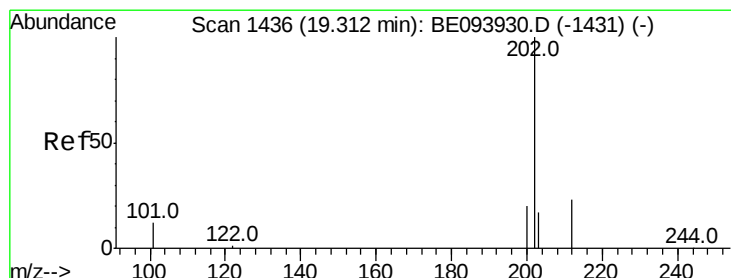
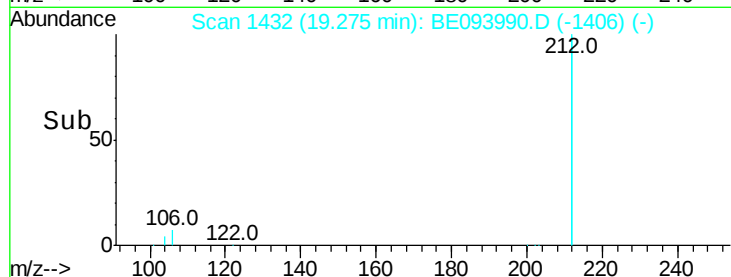
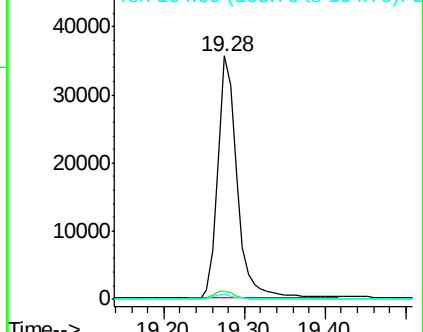
104 2.0 1.6 2.4



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: 0.201 ng

RT: 19.31 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

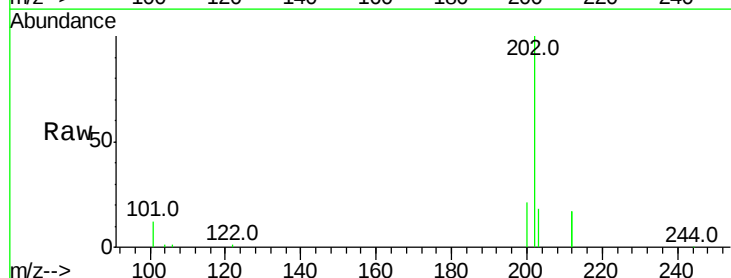
Tgt Ion:202 Resp: 17173

Ion Ratio Lower Upper

202 100

101 11.8 9.7 14.5

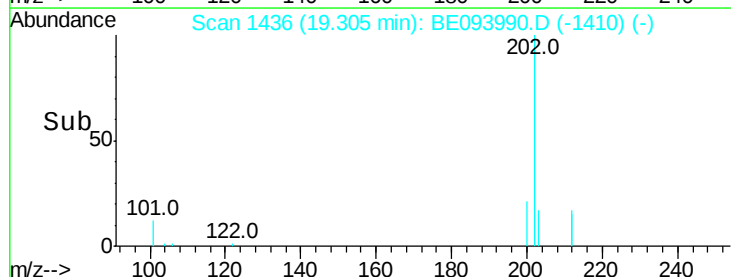
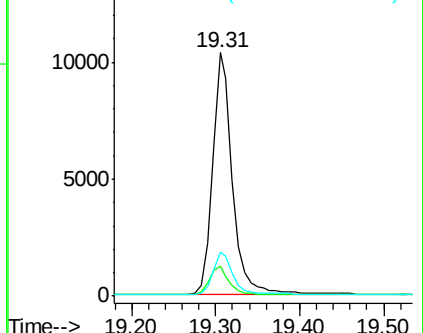
203 17.3 13.7 20.5



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

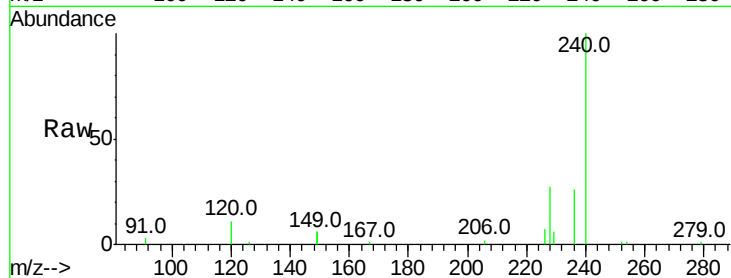




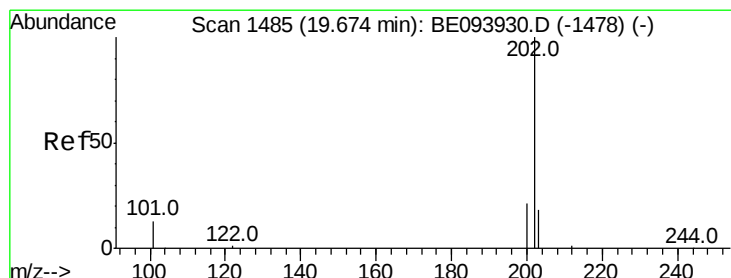
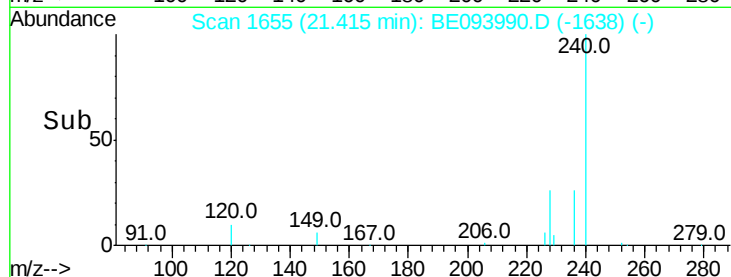
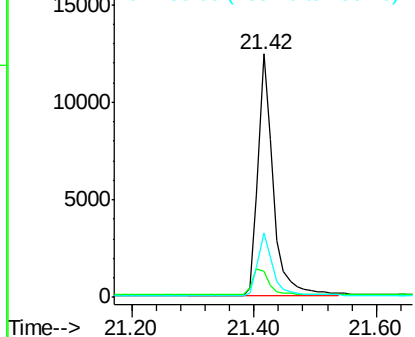
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 21702
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.7 13.1
 236 26.4 21.3 31.9

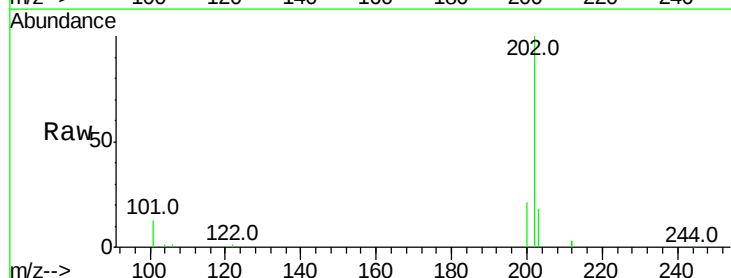


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

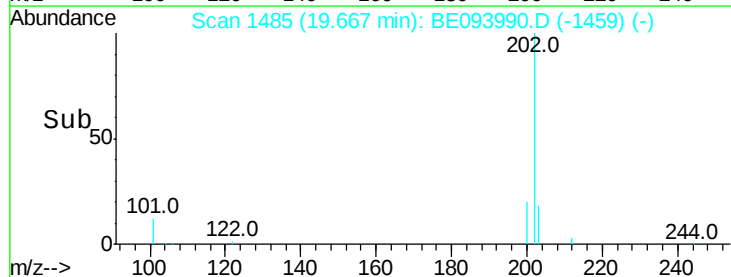
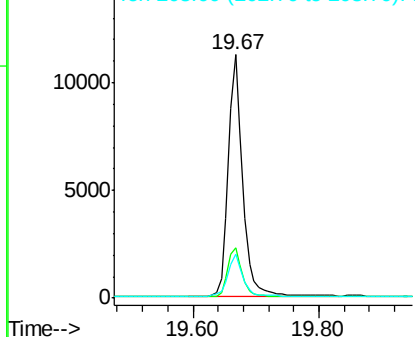


#28
 Pyrene
 Concen: 0.238 ng
 RT: 19.67 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

Tgt Ion:202 Resp: 17757
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 18.5 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.325 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

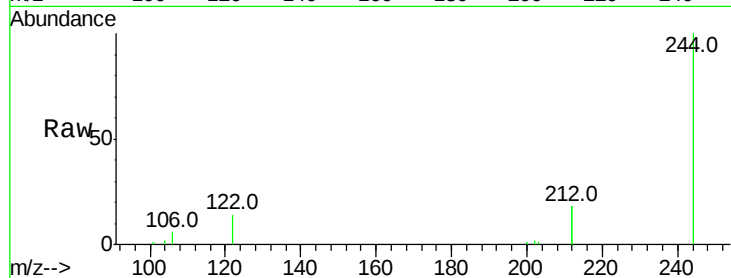
Tot Ion:244 Resp: 12973

Ion Ratio Lower Upper

244 100

212 36.0 28.3 42.5

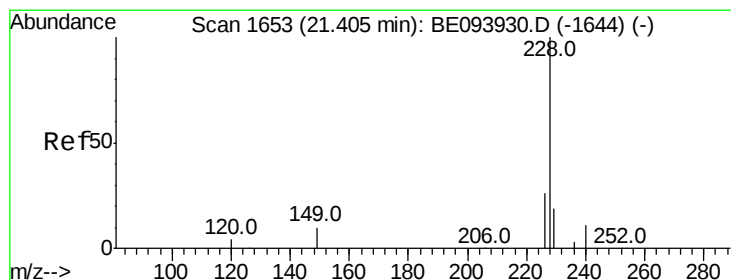
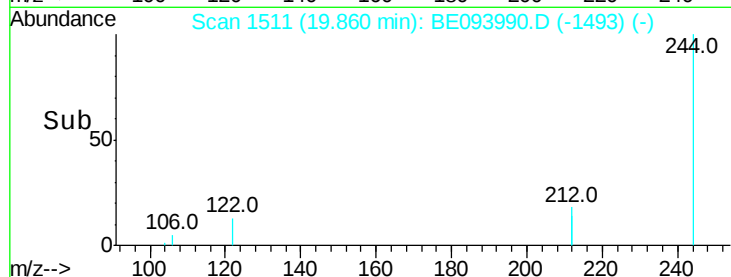
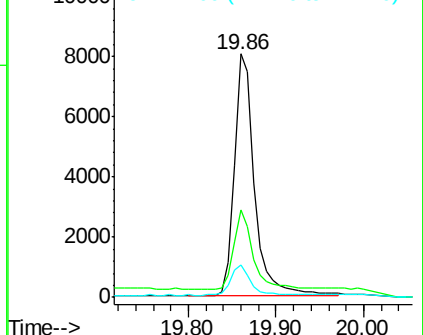
122 13.5 9.4 14.0



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



#30

Benzo(a)anthracene

Concen: 0.225 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

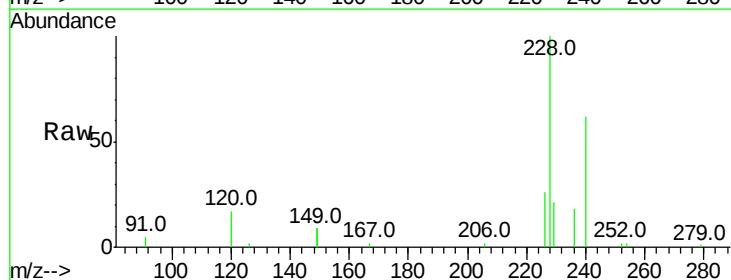
Tgt Ion:228 Resp: 14969

Ion Ratio Lower Upper

228 100

226 26.4 20.8 31.2

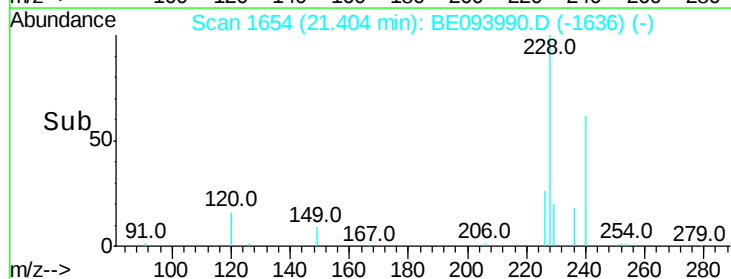
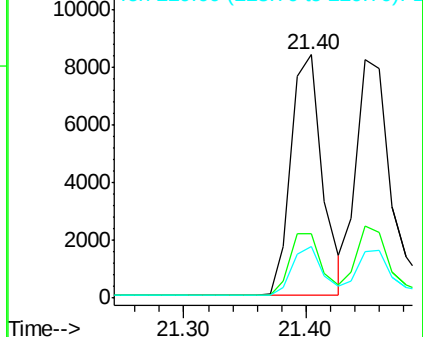
229 21.3 16.6 25.0

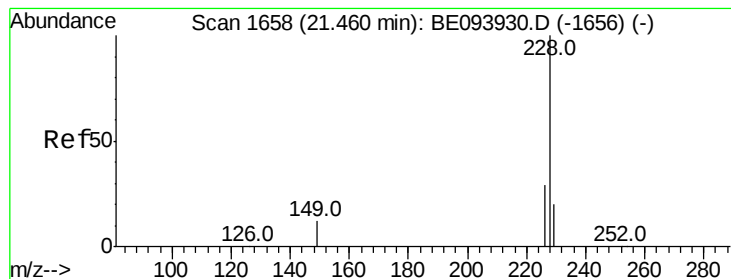


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.237 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

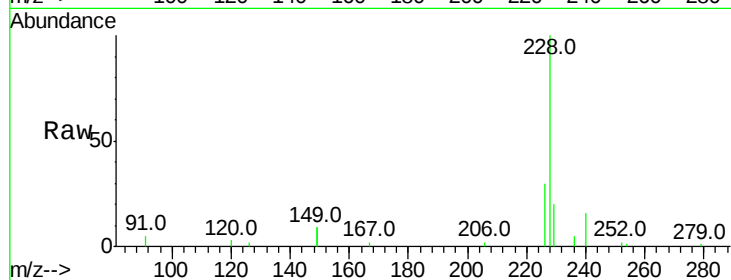
Tot Ion:228 Resp: 16719

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

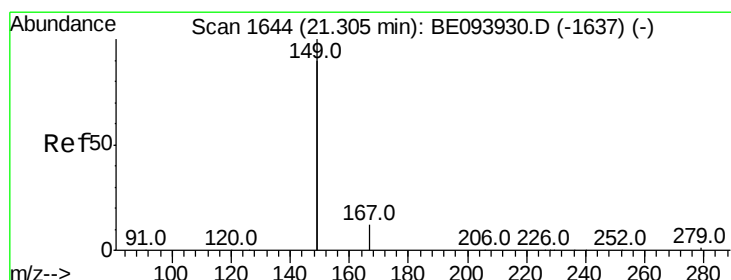
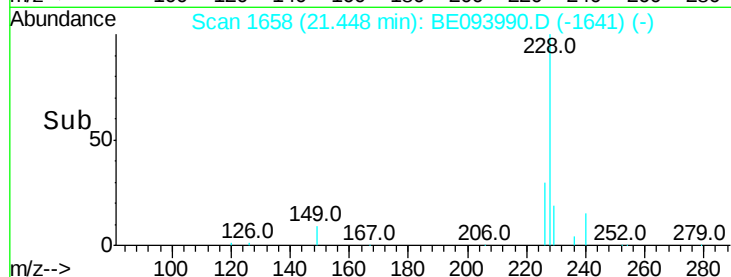
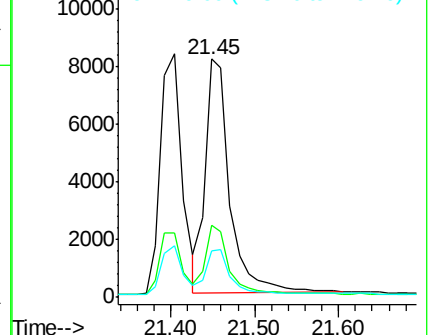
229 19.6 15.8 23.8



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: 0.221 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

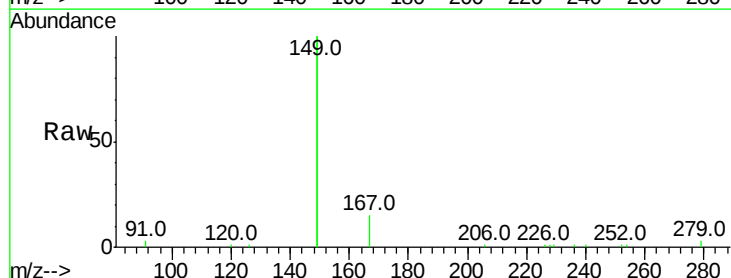
Tgt Ion:149 Resp: 35830

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

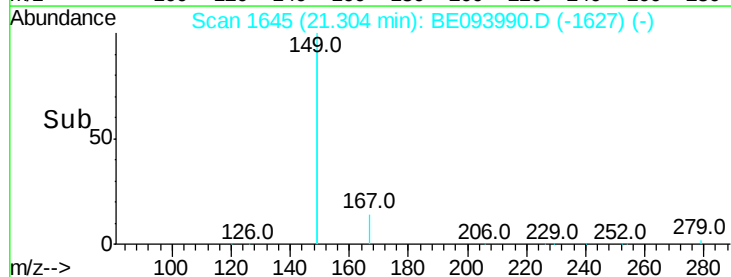
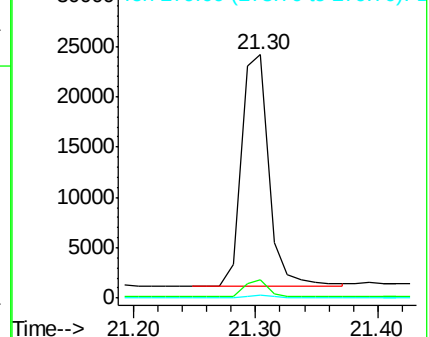
279 0.9 0.7 1.1



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

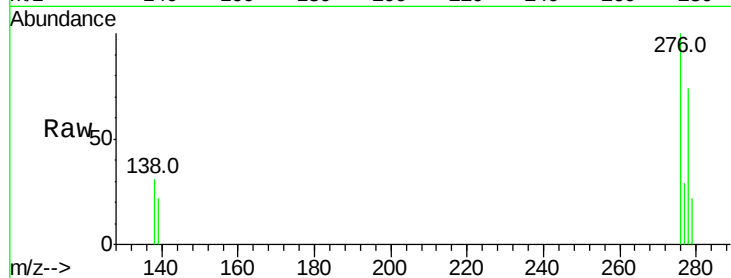




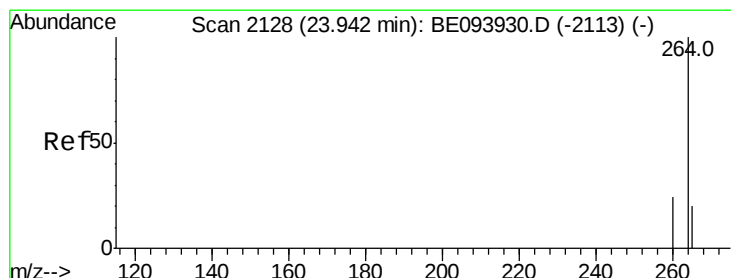
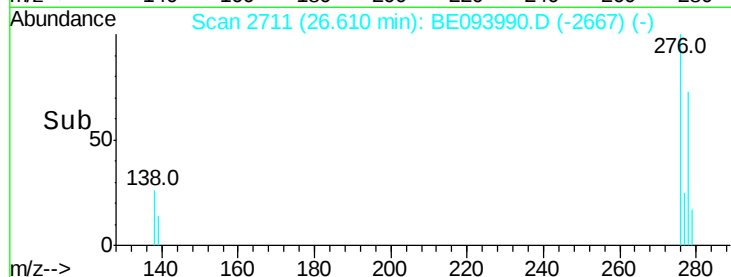
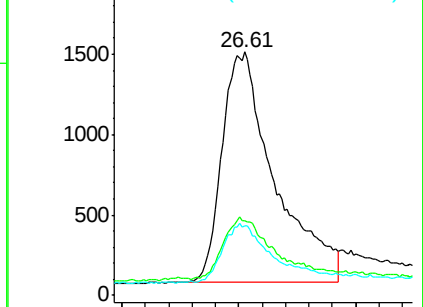
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.191 ng
 RT: 26.61 min Scan# 2711
 Delta R.T. 0.00 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 8969
 Ion Ratio Lower Upper
 276 100
 138 26.4 22.2 33.2
 277 24.8 19.5 29.3

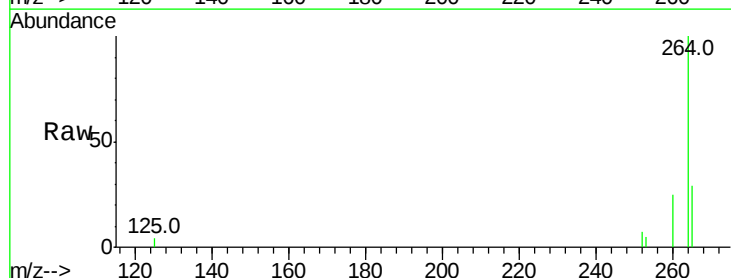


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

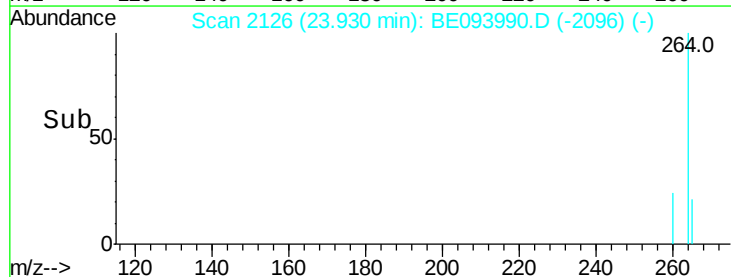
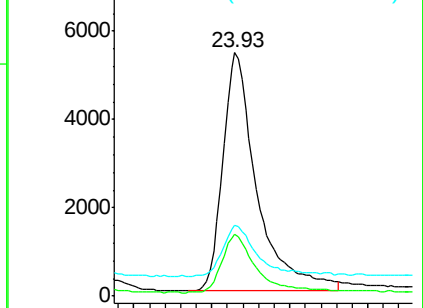


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BE093990.D
 Acq: 13 Sep 2017 15:43

Tgt Ion:264 Resp: 16474
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.0 30.0
 265 29.1 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





#35

Benzo(b)fluoranthene

Concen: 0.231 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

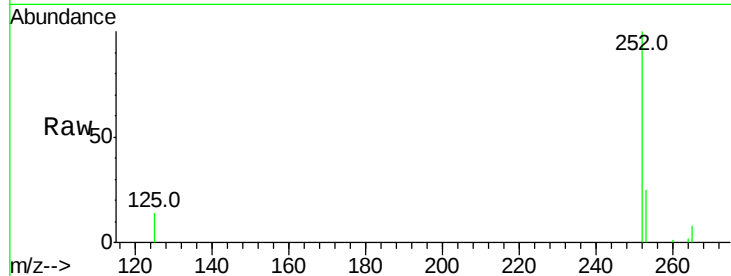
Tot Ion:252 Resp: 12120

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.0

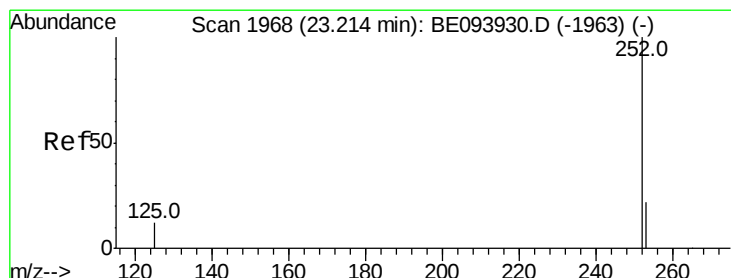
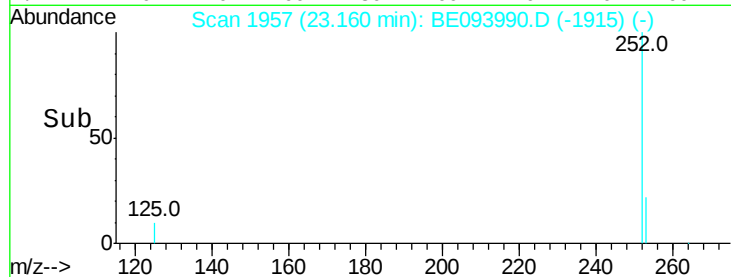
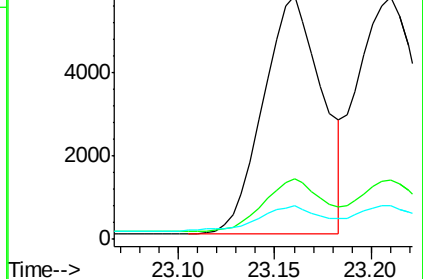
125 13.7 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.249 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

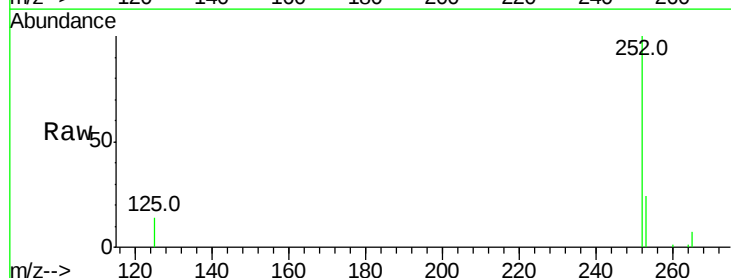
Tgt Ion:252 Resp: 16020

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

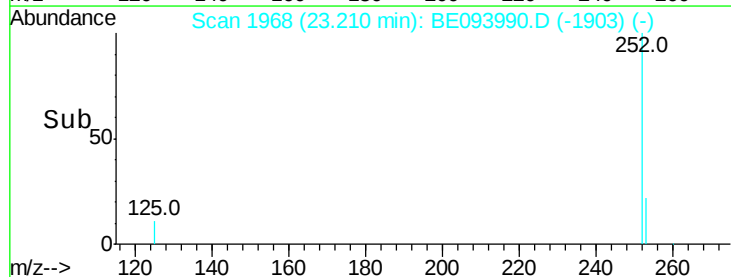
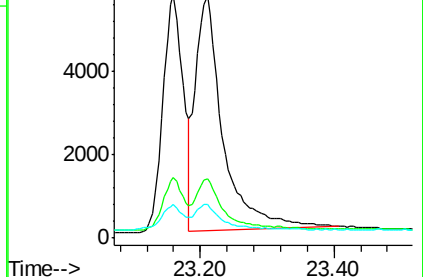
125 13.7 9.8 14.6

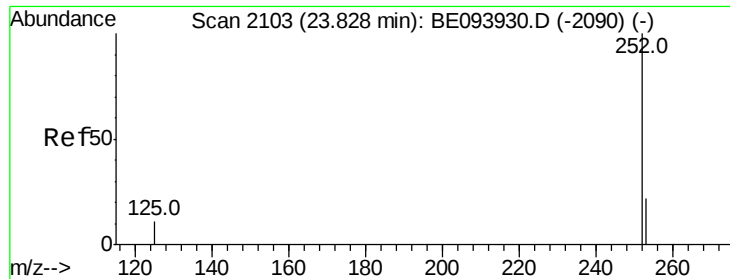


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.230 ng

RT: 23.82 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

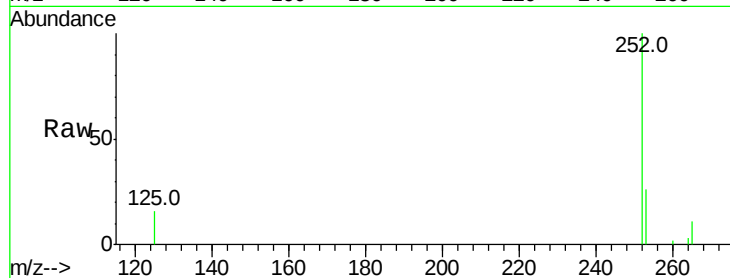
Tot Ion:252 Resp: 12267

Ion Ratio Lower Upper

252 100

253 26.0 19.6 29.4

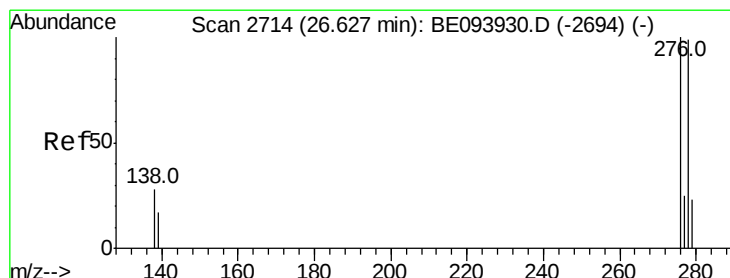
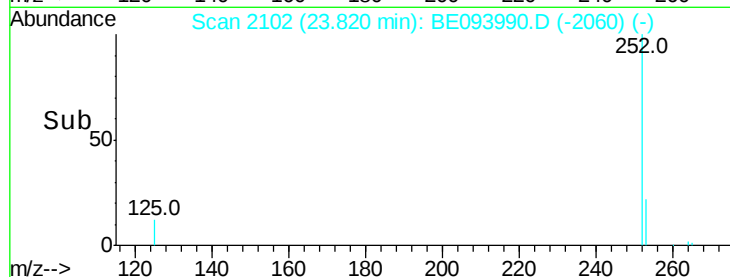
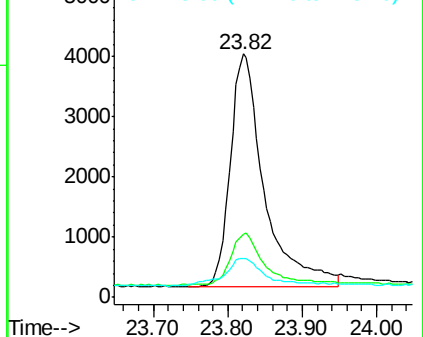
125 16.2 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.201 ng

RT: 26.62 min Scan# 2713

Delta R.T. -0.01 min

Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

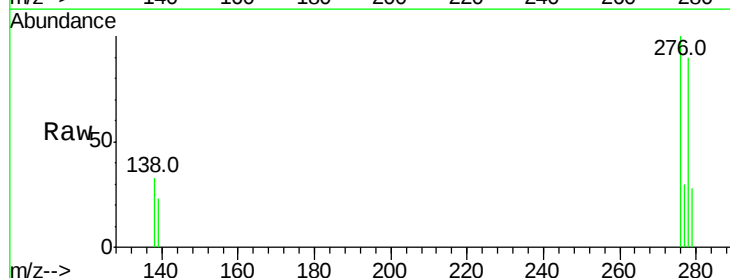
Tgt Ion:278 Resp: 7109

Ion Ratio Lower Upper

278 100

139 25.8 16.7 25.1#

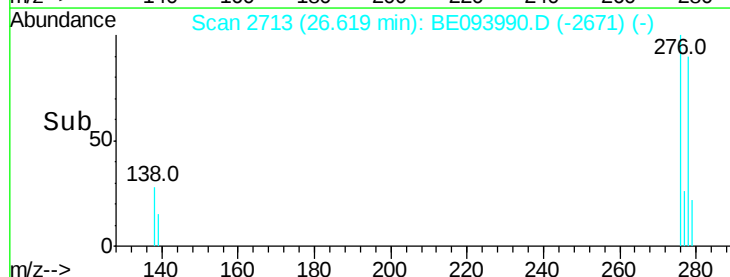
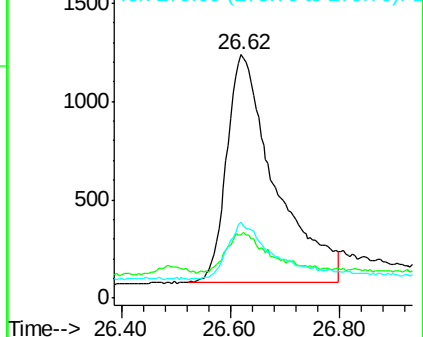
279 31.4 21.6 32.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.219 ng

RT: 27.42 min Scan# 2888

Delta R.T. -0.01 min

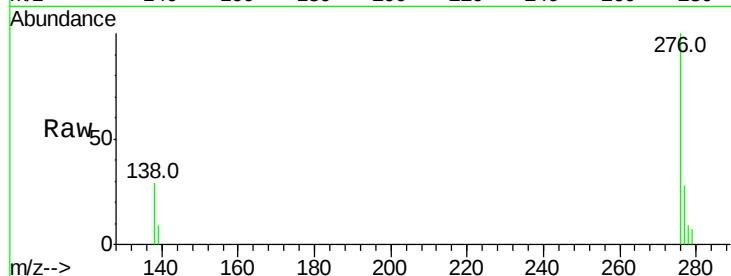
Lab File: BE093990.D

Acq: 13 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :



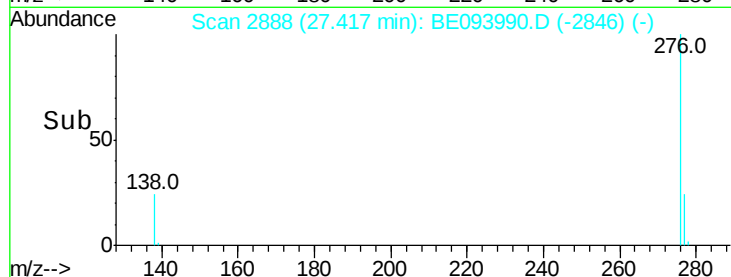
Tot Ion: 276 Resp: 8191

Ion Ratio Lower Upper

276 100

277 27.8 20.6 30.8

138 28.6 21.9 32.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

