

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093981.D
 Acq On : 13 Sep 2017 9:58
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 00:51:09 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	1952	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10498	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	5852	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	11662	0.40	ng	0.00
27) Chrysene-d12	21.42	240	13762	0.40	ng	-0.01
34) Perylene-d12	23.94	264	10221	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	2566	0.41	ng	0.00
5) Phenol-d6	7.11	99	3702	0.39	ng	0.00
8) Nitrobenzene-d5	9.08	82	3387	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	6810	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	688	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	9368	0.40	ng	0.00
25) Fluoranthene-d10	19.29	212	61993	0.36	ng	0.00
29) Terphenyl-d14	19.87	244	10169	0.40	ng	0.00

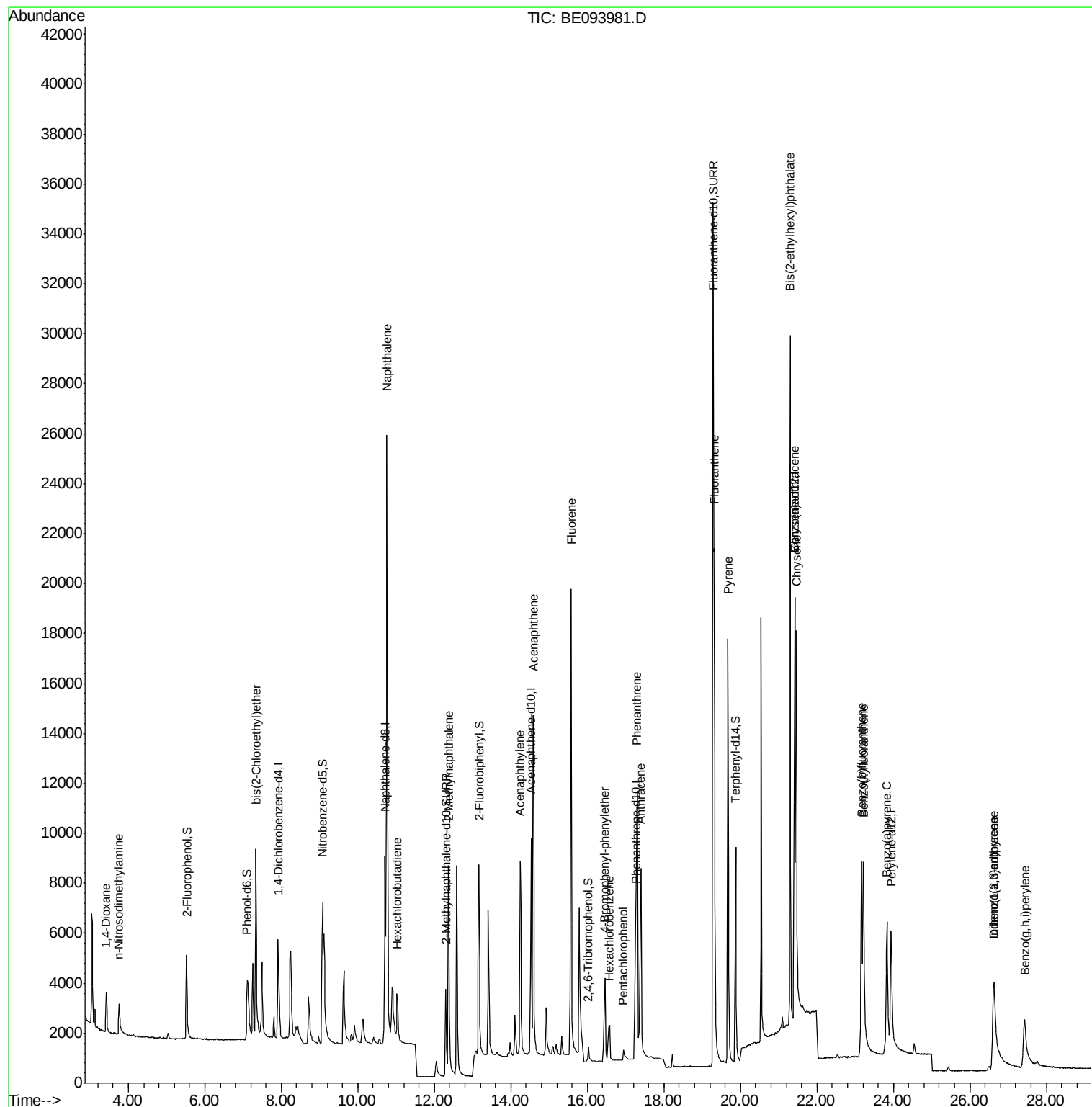
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	1295	0.481	ng	91
3) n-Nitrosodimethylamine	3.75	42	1340	0.425	ng	94
6) bis(2-Chloroethyl)ether	7.34	93	3099	0.400	ng	93
9) Naphthalene	10.76	128	48329	0.402	ng	100
10) Hexachlorobutadiene	11.03	225	1654	0.378	ng	99
12) 2-Methylnaphthalene	12.37	142	8020	0.401	ng	99
16) Acenaphthylene	14.24	152	11219	0.384	ng	99
17) Acenaphthene	14.58	154	7901	0.400	ng	99
18) Fluorene	15.58	166	10144	0.398	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	2994	0.455	ng	# 76
21) Hexachlorobenzene	16.58	284	2515	0.365	ng	# 100
22) Pentachlorophenol	16.94	266	643	0.348	ng	92
23) Phenanthrene	17.30	178	18330	0.500	ng	# 99
24) Anthracene	17.40	178	12965	0.365	ng	# 91
26) Fluoranthene	19.32	202	18447	0.355	ng	100
28) Pyrene	19.67	202	19325	0.408	ng	100
30) Benzo(a)anthracene	21.40	228	15352	0.363	ng	98
31) Chrysene	21.46	228	18919	0.423	ng	98
32) Bis(2-ethylhexyl)phthalate	21.30	149	34090	0.332	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	8611	0.289	ng	94
35) Benzo(b)fluoranthene	23.16	252	12581	0.387	ng	99
36) Benzo(k)fluoranthene	23.21	252	18108	0.454	ng	97
37) Benzo(a)pyrene	23.83	252	13402	0.404	ng	96
38) Dibenzo(a,h)anthracene	26.63	278	7000	0.318	ng	# 90
39) Benzo(g,h,i)perylene	27.43	276	8060	0.348	ng	95

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

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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Sep 14 00:51:09 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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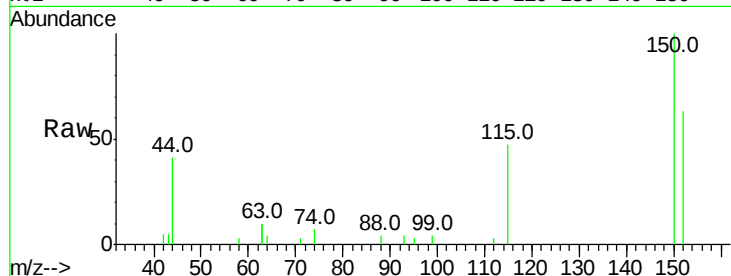


#1

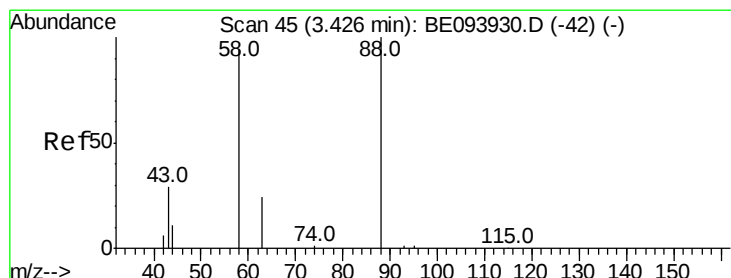
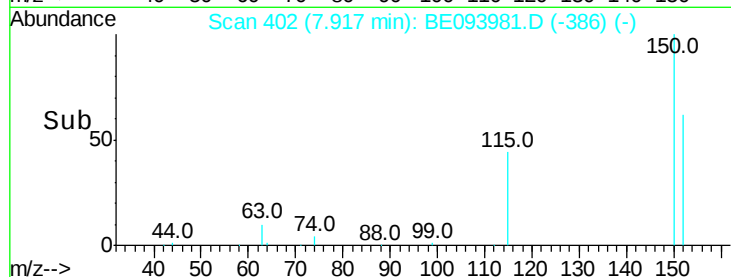
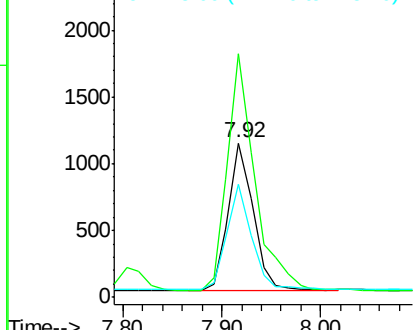
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093981.D
Acq: 13 Sep 2017 9:58

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1952
Ion Ratio Lower Upper
152 100
150 157.9 121.8 182.6
115 73.6 52.6 79.0



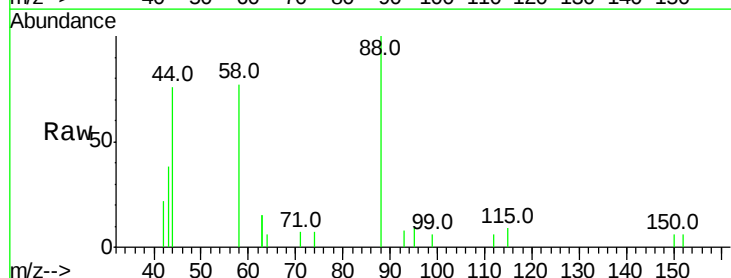
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



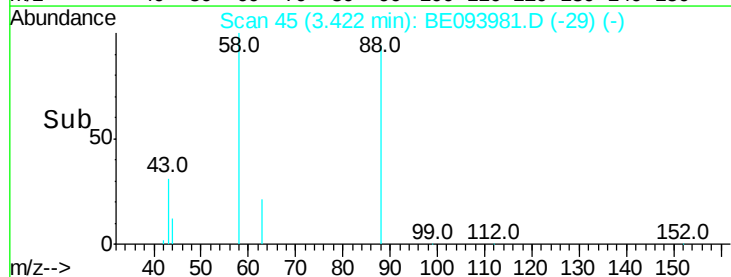
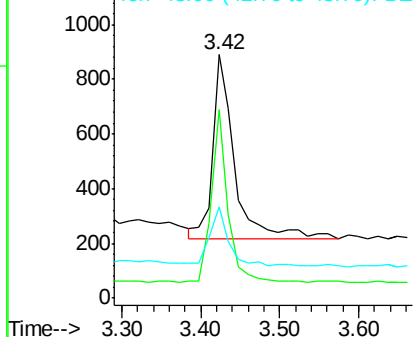
#2

1,4-Dioxane
Concen: 0.481 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE093981.D
Acq: 13 Sep 2017 9:58

Tgt Ion: 88 Resp: 1295
Ion Ratio Lower Upper
88 100
58 71.0 65.4 98.0
43 29.7 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: 0.425 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

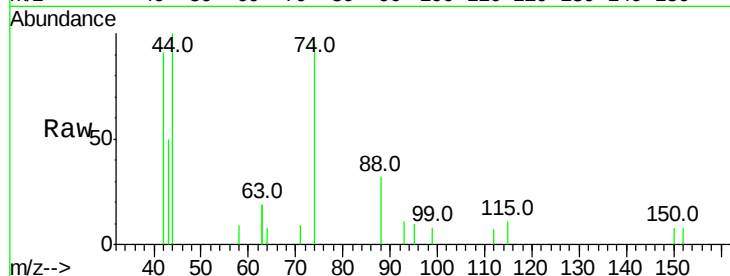
Tot Ion: 42 Resp: 1340

Ion Ratio Lower Upper

42 100

74 122.4 104.0 156.0

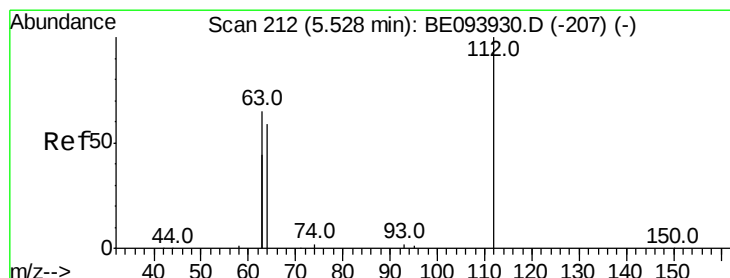
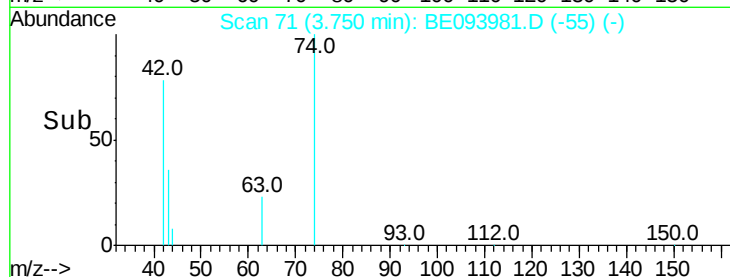
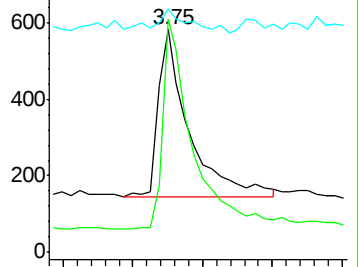
44 15.8 13.8 20.8



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.406 ng

RT: 5.52 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

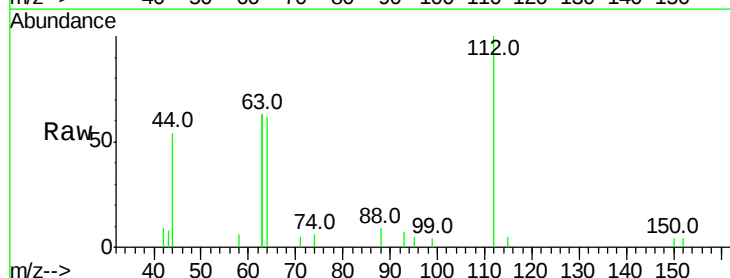
Tgt Ion: 112 Resp: 2566

Ion Ratio Lower Upper

112 100

64 73.4 57.7 86.5

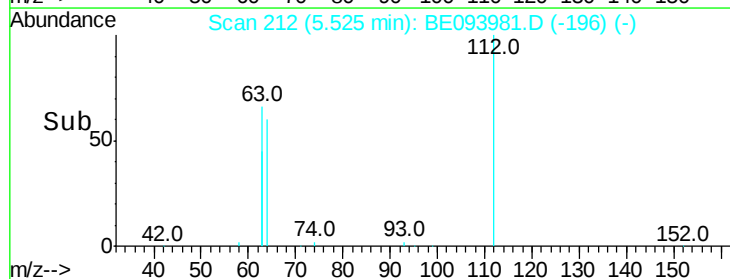
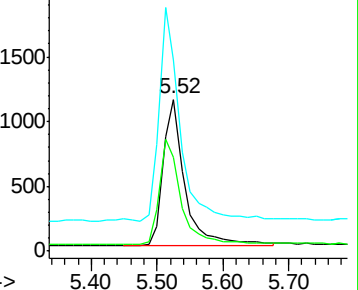
63 143.2 116.0 174.0

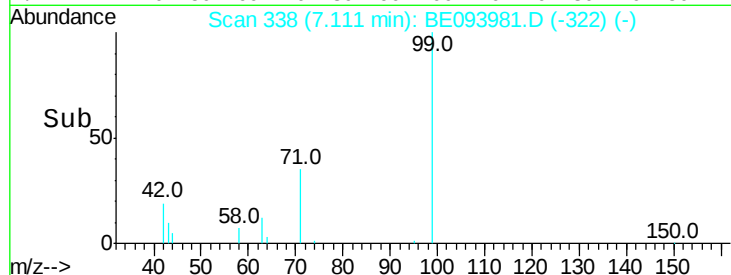
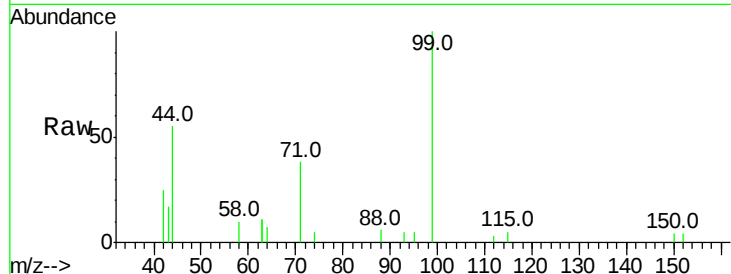
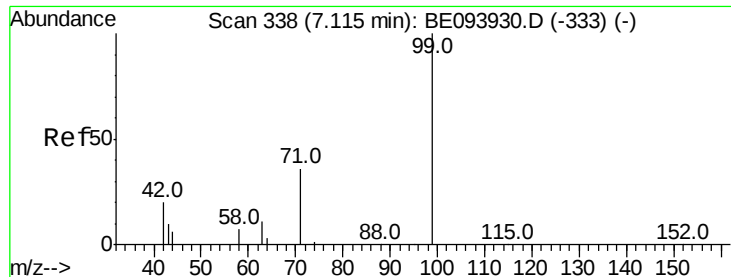


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.391 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

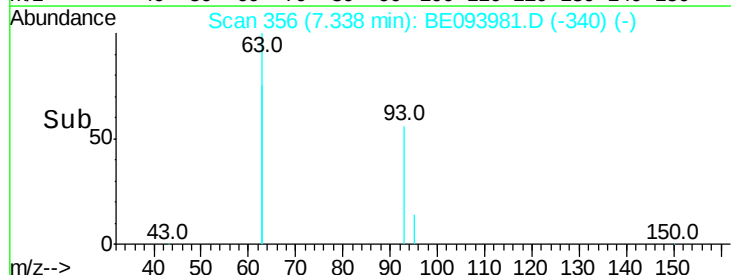
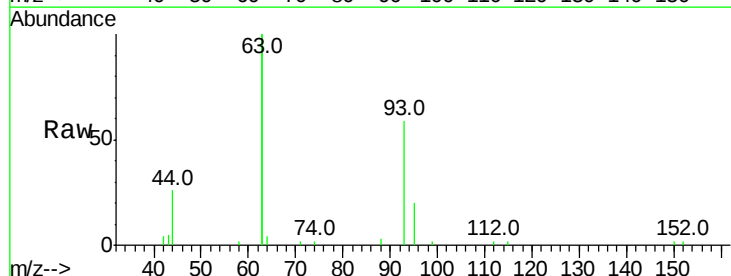
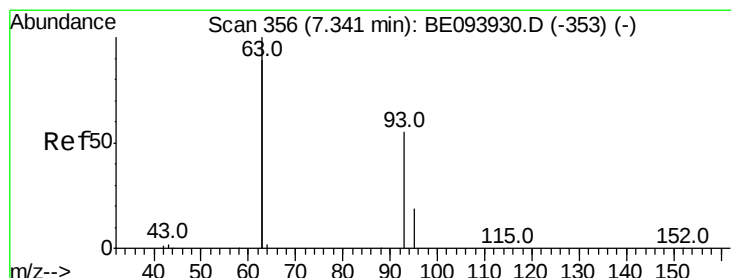
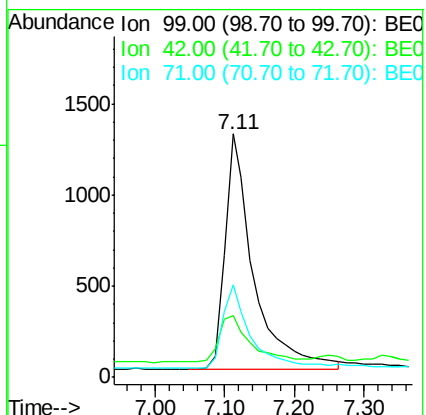
Tot Ion: 99 Resp: 3702

Ion Ratio Lower Upper

99 100

42 21.3 17.1 25.7

71 35.3 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

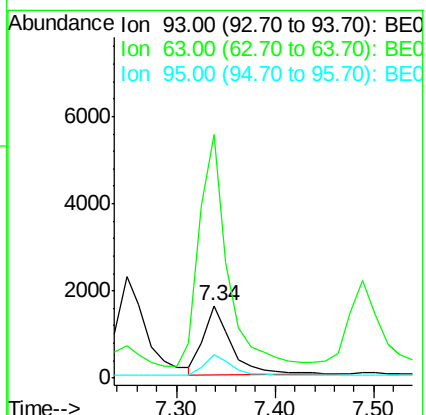
Tgt Ion: 93 Resp: 3099

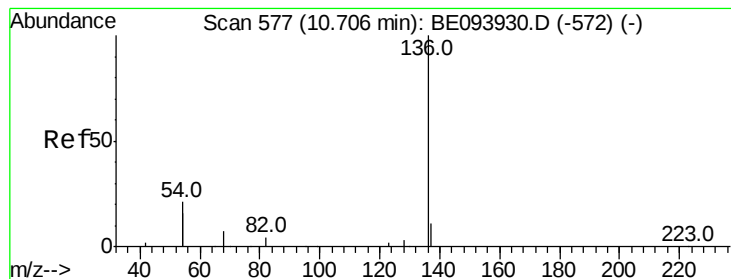
Ion Ratio Lower Upper

93 100

63 336.9 283.4 425.2

95 32.8 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: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 10498

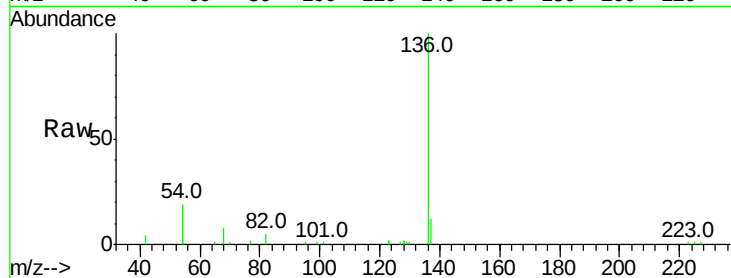
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 38.8 21.9 32.9#

68 7.5 4.6 7.0#

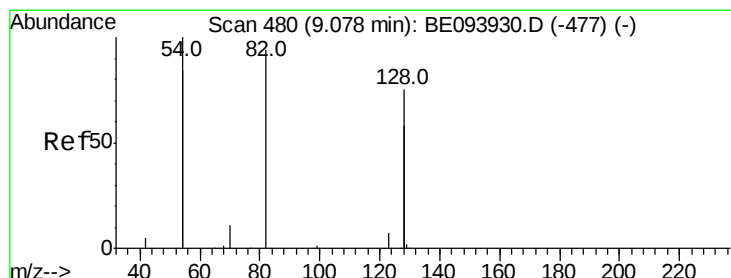
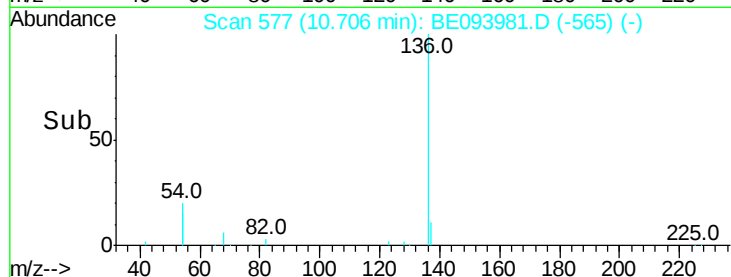
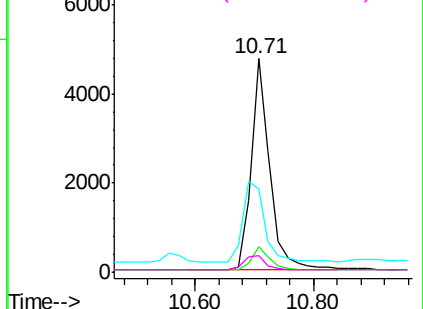


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.381 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

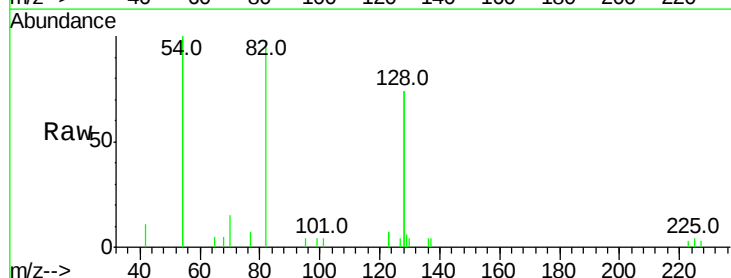
Tgt Ion: 82 Resp: 3387

Ion Ratio Lower Upper

82 100

128 152.3 91.4 137.0#

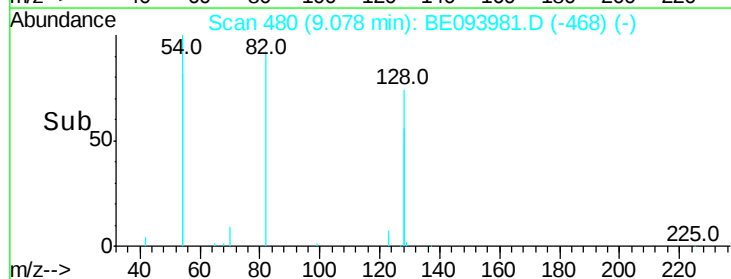
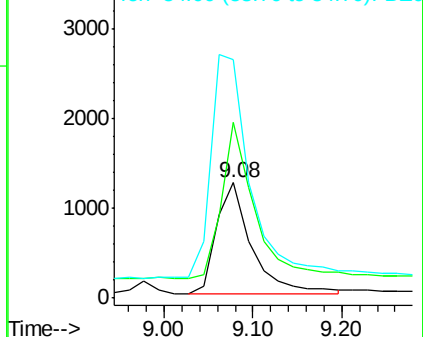
54 206.9 197.8 296.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.402 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

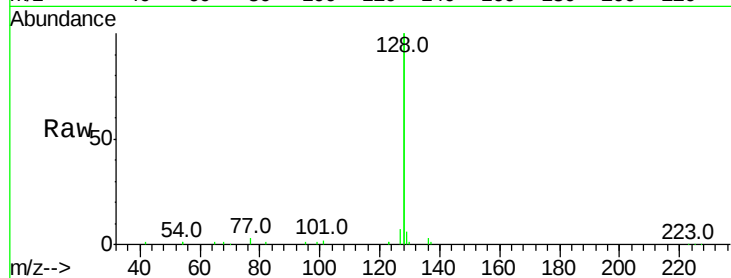
Tot Ion:128 Resp: 48329

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

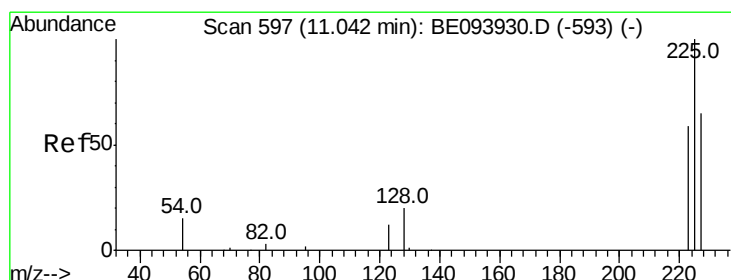
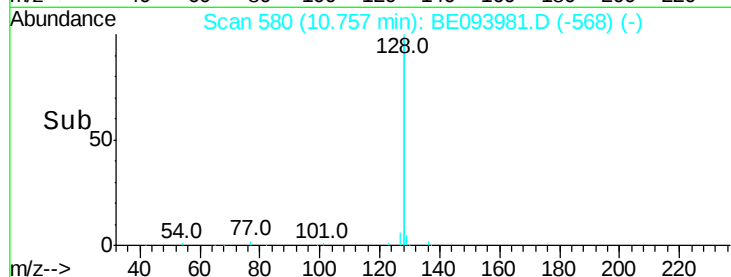
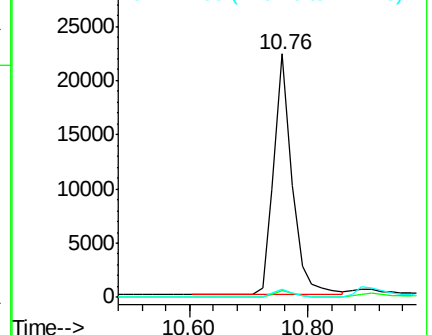
127 3.3 2.6 4.0



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: 0.378 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

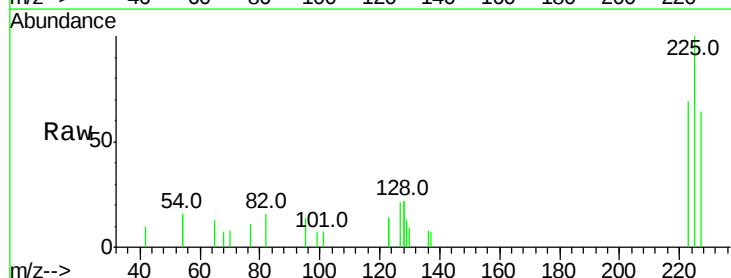
Tgt Ion:225 Resp: 1654

Ion Ratio Lower Upper

225 100

223 61.9 49.4 74.0

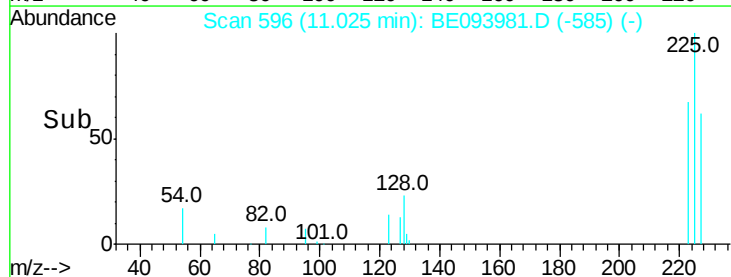
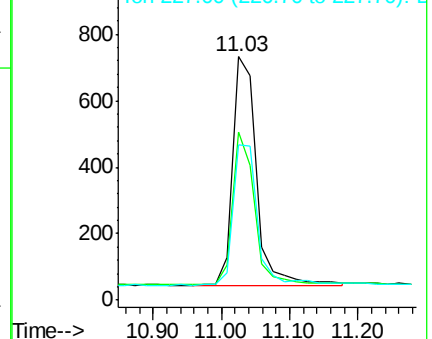
227 64.6 50.5 75.7



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: 0.405 ng

RT: 12.30 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

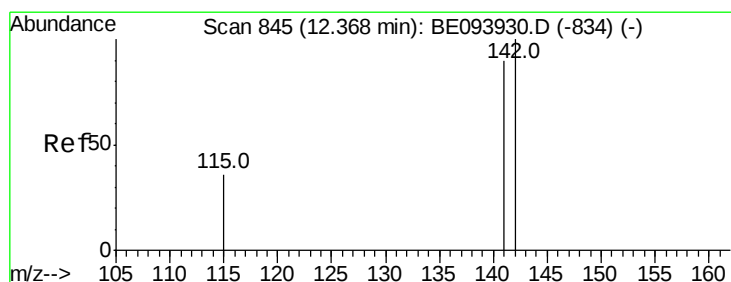
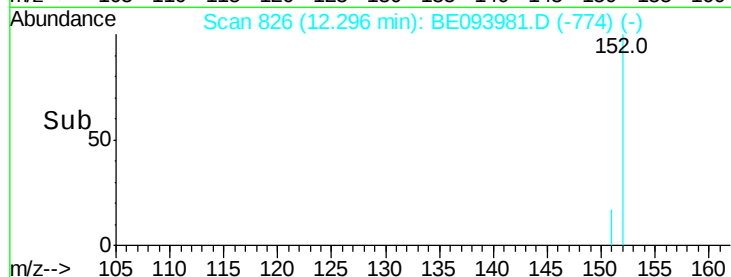
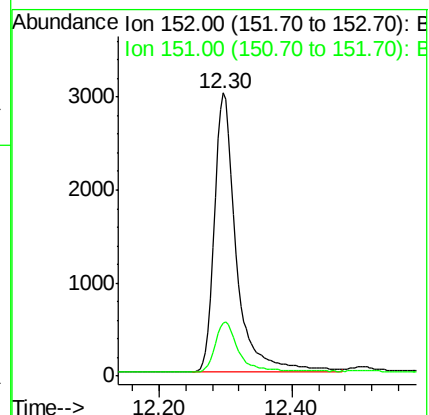
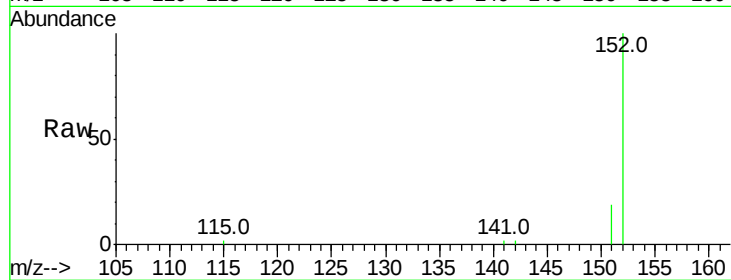
ClientSampleId :

Tot Ion:152 Resp: 6810

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.401 ng

RT: 12.37 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

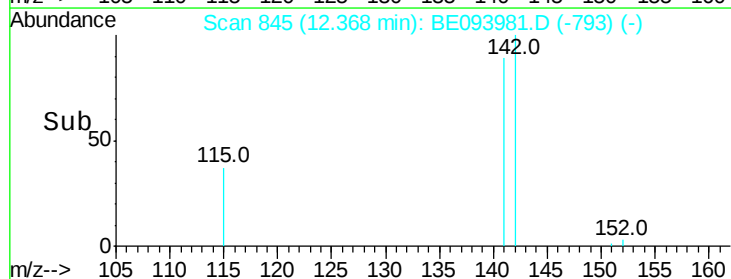
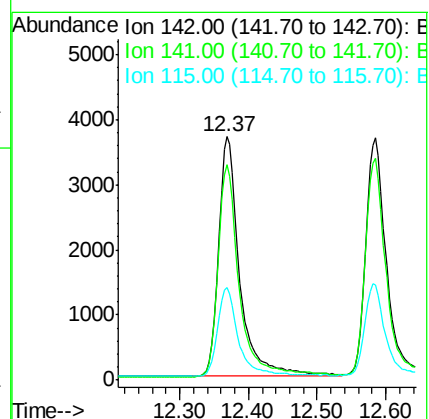
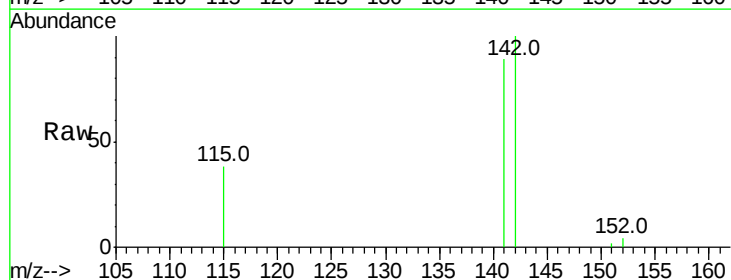
Tgt Ion:142 Resp: 8020

Ion Ratio Lower Upper

142 100

141 88.7 71.4 107.2

115 37.9 29.4 44.0

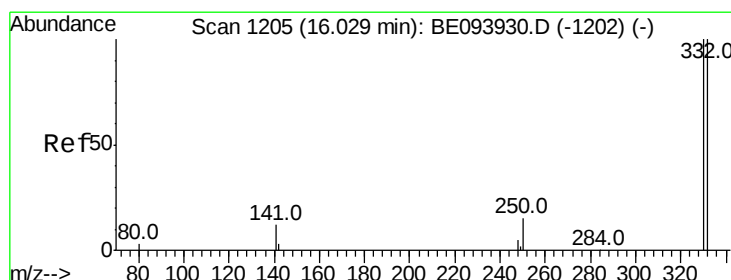
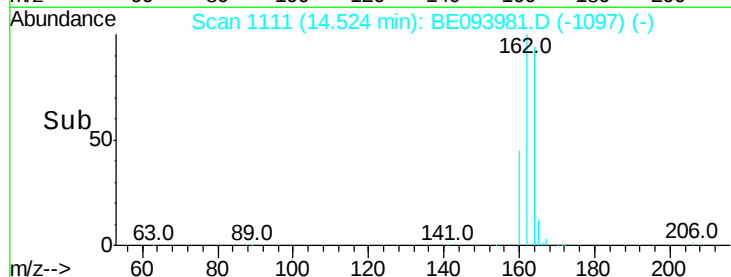
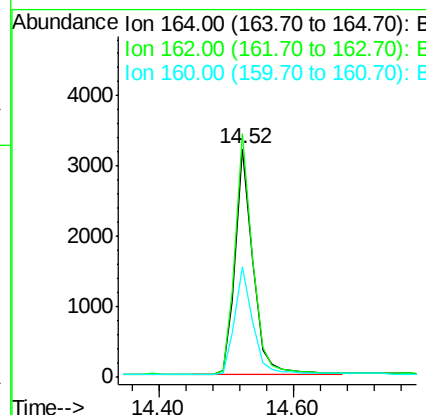
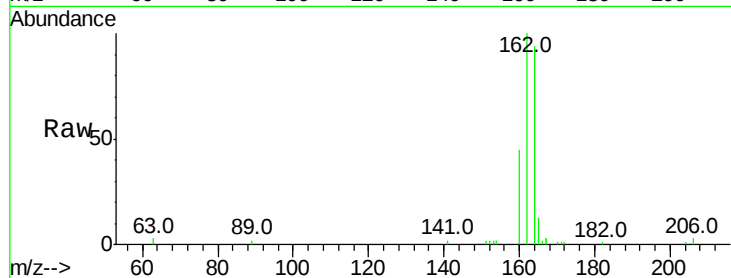




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE093981.D
 Acq: 13 Sep 2017 9:58

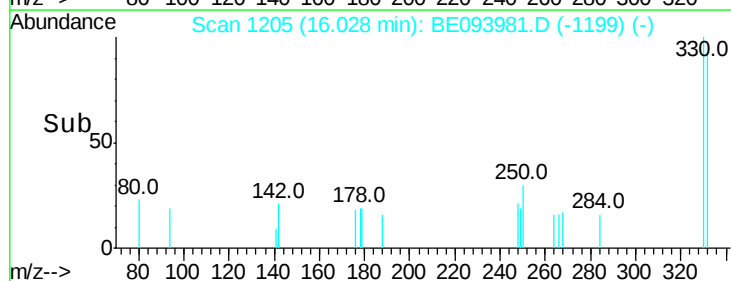
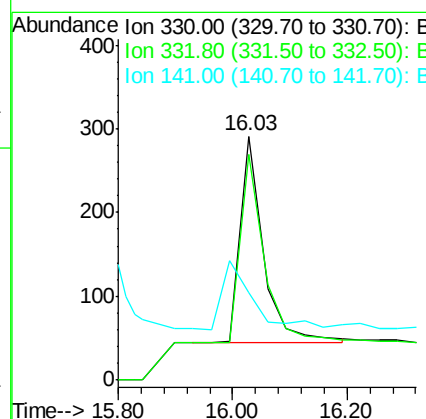
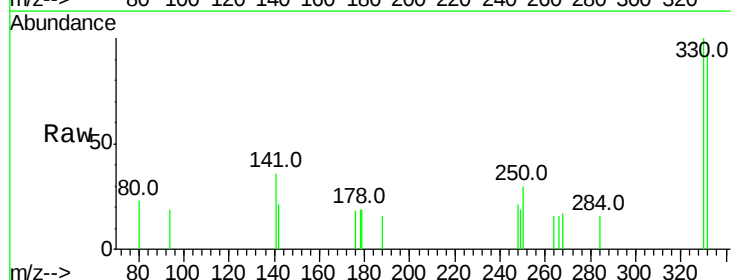
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 5852
 Ion Ratio Lower Upper
 164 100
 162 106.5 80.8 121.2
 160 48.3 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.380 ng
 RT: 16.03 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093981.D
 Acq: 13 Sep 2017 9:58

Tgt Ion:330 Resp: 688
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.9 115.3
 141 0.0 0.0 0.0

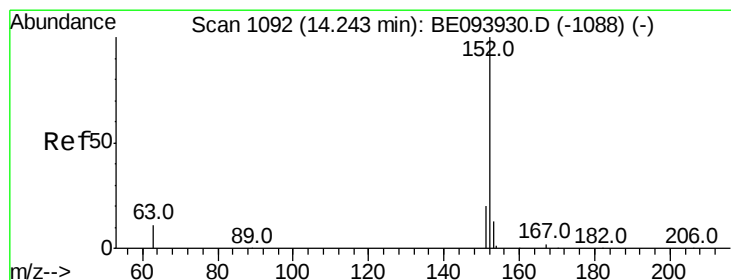
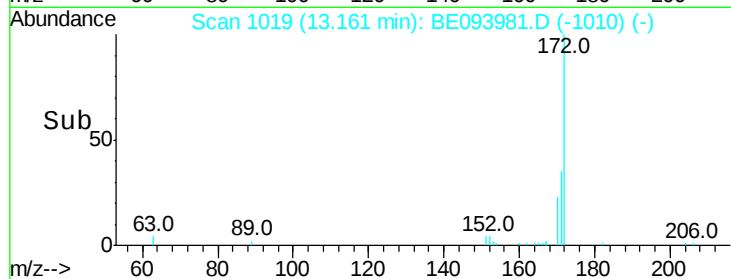
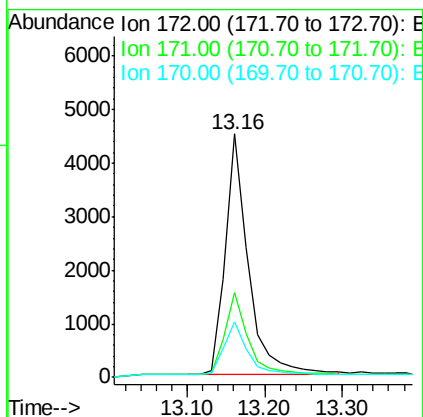
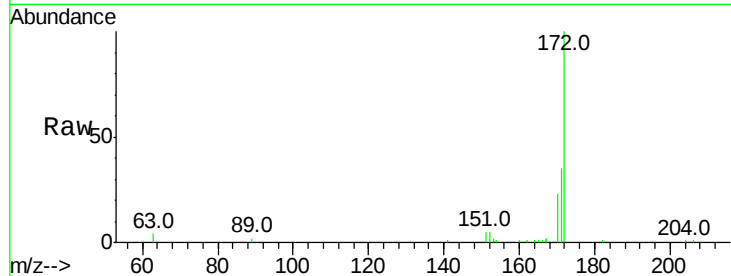




#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.16 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE093981.D
Acq: 13 Sep 2017 9:58

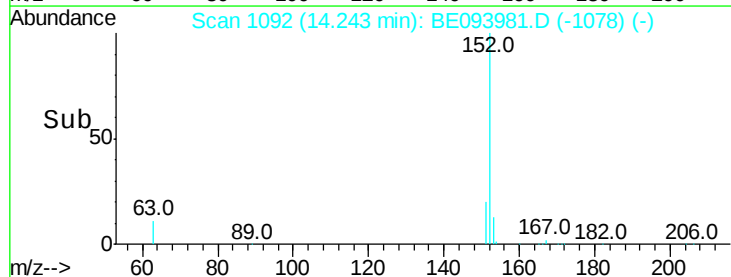
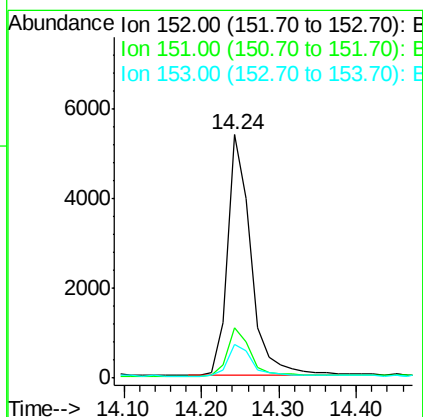
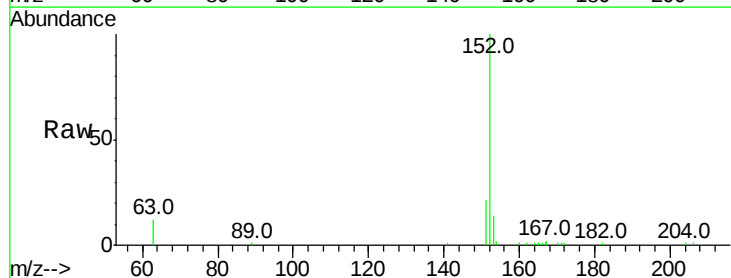
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 9368
Ion Ratio Lower Upper
172 100
171 35.1 26.9 40.3
170 23.0 17.3 25.9



#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.24 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE093981.D
Acq: 13 Sep 2017 9:58

Tgt Ion:152 Resp: 11219
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.7 10.6 16.0





#17

Acenaphthene

Concen: 0.400 ng

RT: 14.58 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

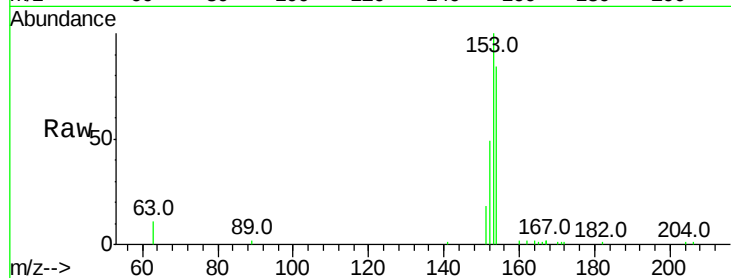
Tot Ion:154 Resp: 7901

Ion Ratio Lower Upper

154 100

153 114.1 91.8 137.6

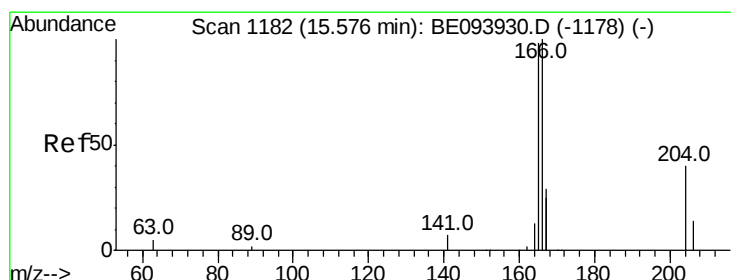
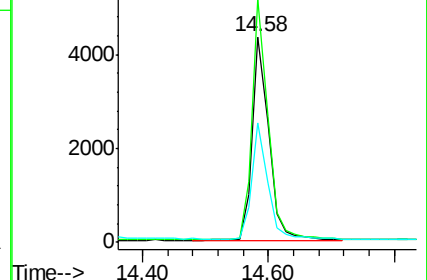
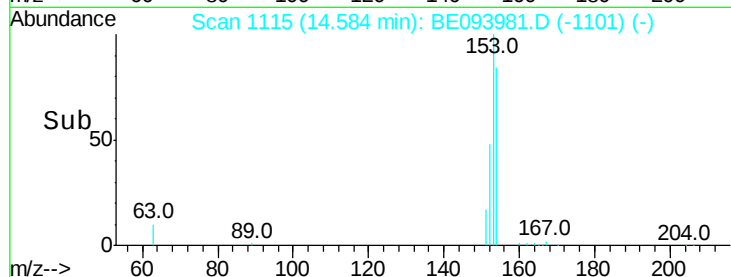
152 54.4 44.9 67.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.398 ng

RT: 15.58 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

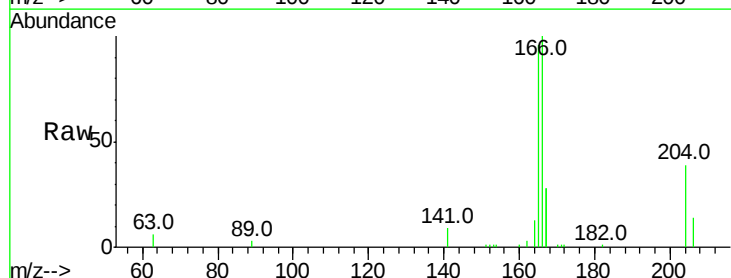
Tgt Ion:166 Resp: 10144

Ion Ratio Lower Upper

166 100

165 98.6 79.4 119.0

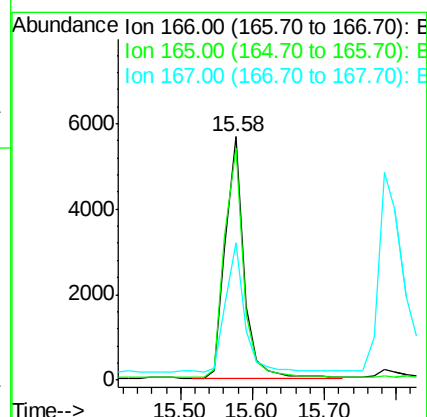
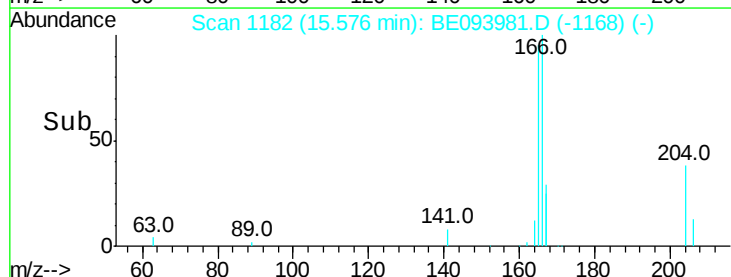
167 53.6 43.5 65.3

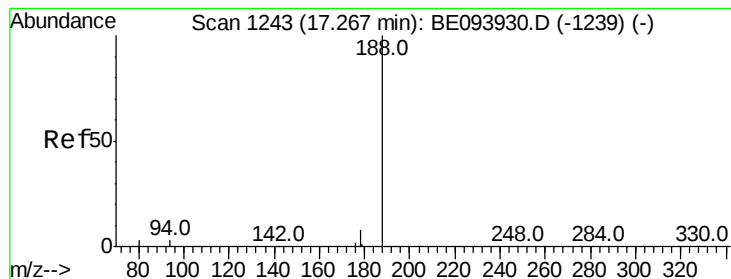


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

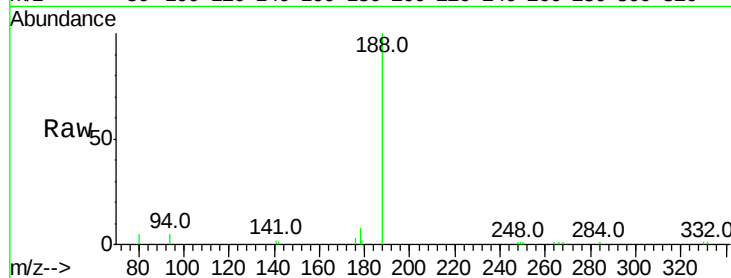
Tot Ion:188 Resp: 11662

Ion Ratio Lower Upper

188 100

94 4.9 16.1 24.1#

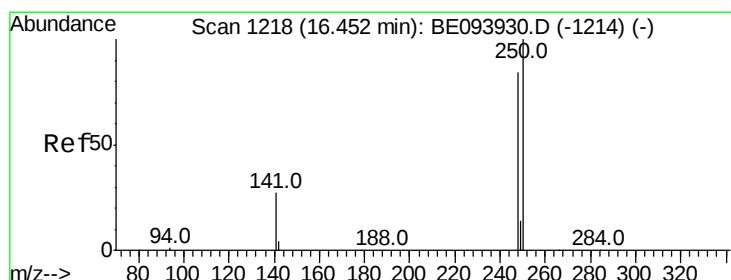
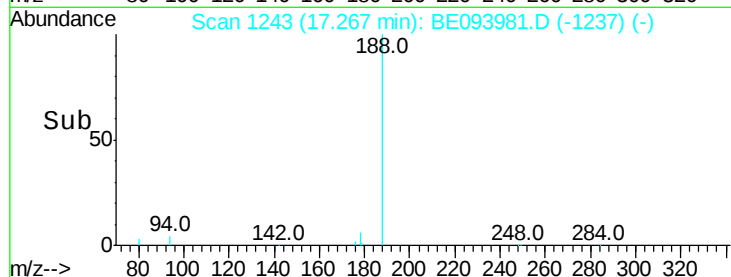
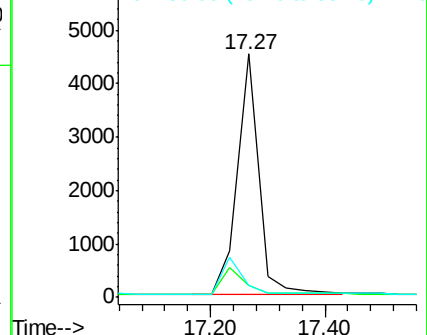
80 4.9 18.2 27.2#



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: 0.455 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

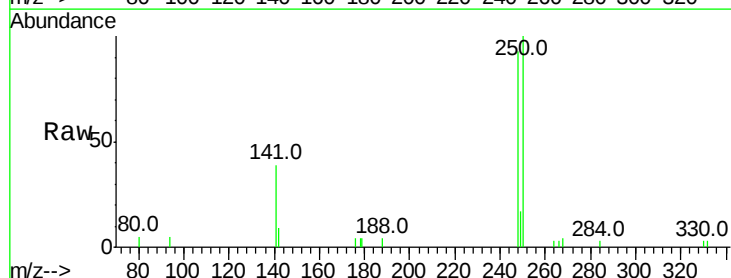
Tgt Ion:248 Resp: 2994

Ion Ratio Lower Upper

248 100

250 107.2 111.8 167.8#

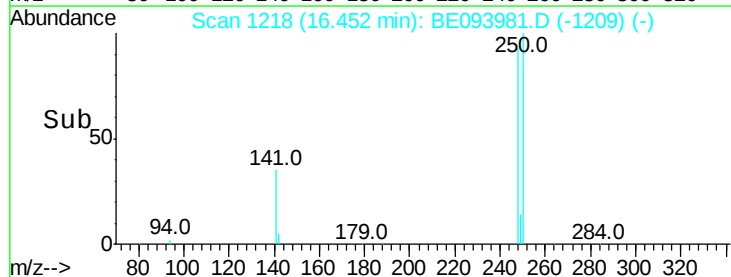
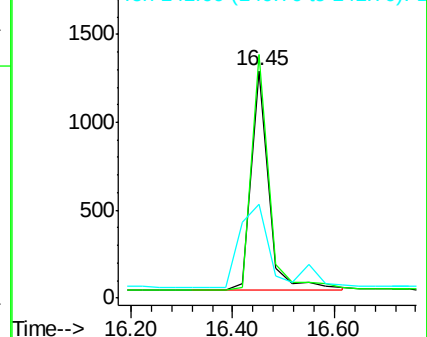
141 41.4 27.1 40.7#



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: 0.365 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

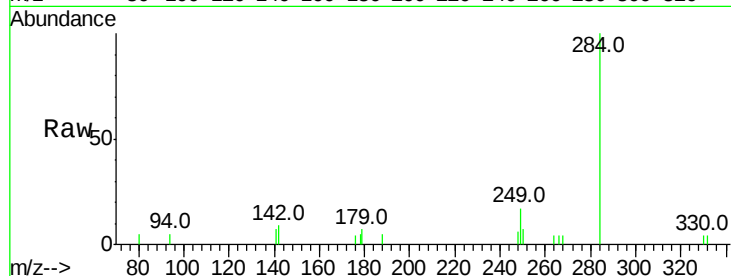
Tot Ion:284 Resp: 2515

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

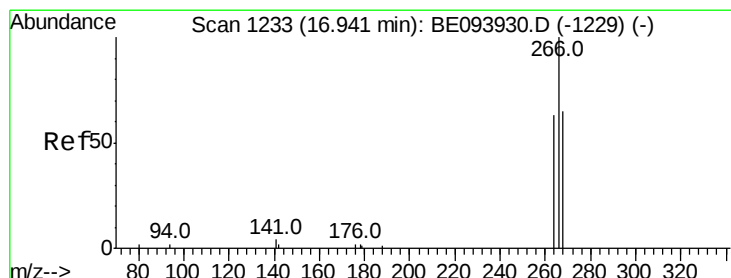
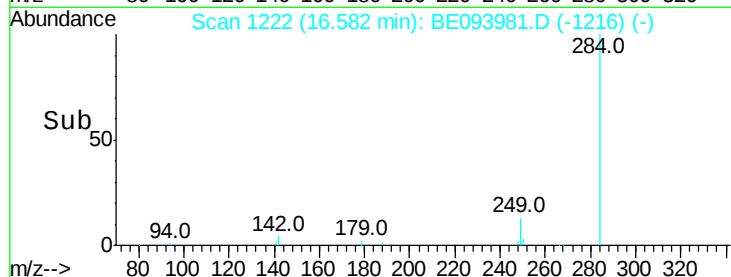
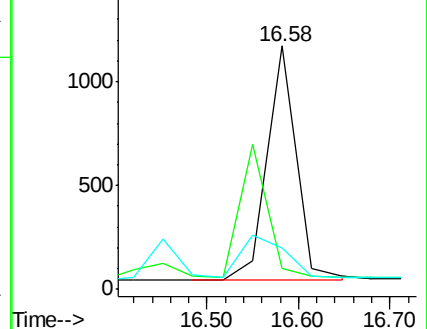
249 0.0 0.0 0.0



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



#22

Pentachlorophenol

Concen: 0.348 ng

RT: 16.94 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

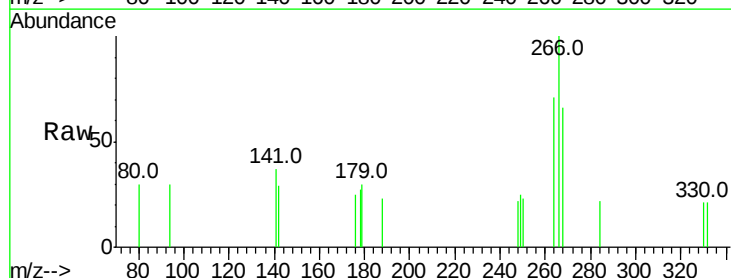
Tgt Ion:266 Resp: 643

Ion Ratio Lower Upper

266 100

264 70.8 53.5 80.3

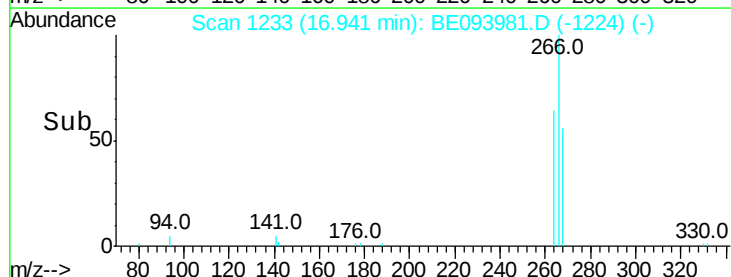
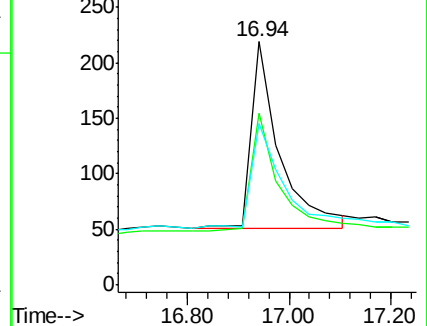
268 66.2 60.0 90.0

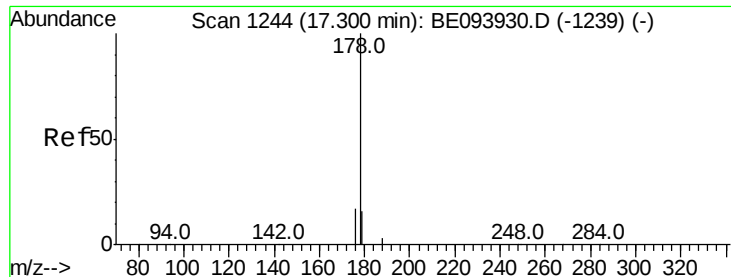


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.500 ng

RT: 17.30 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

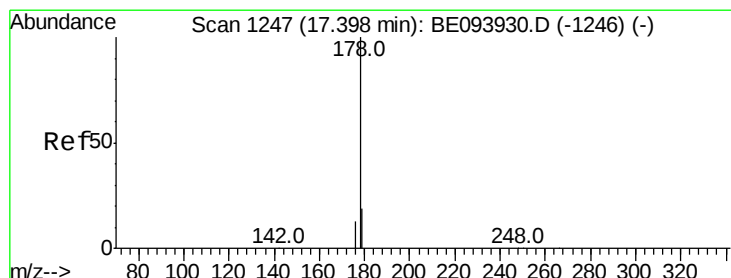
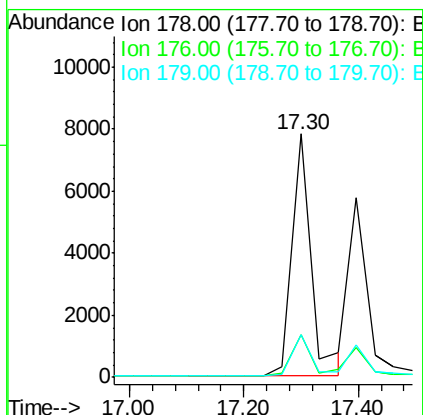
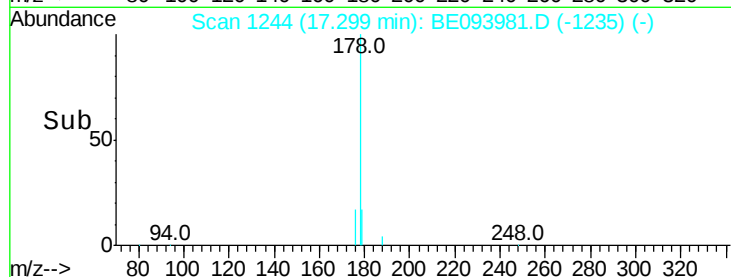
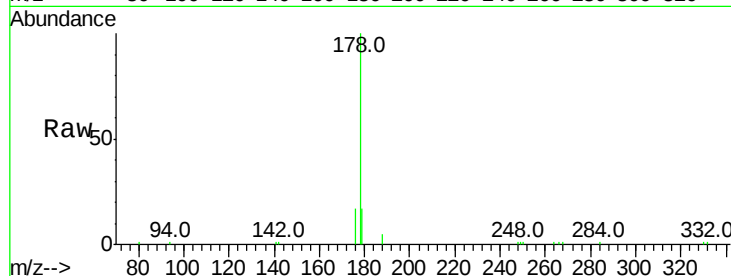
Tot Ion:178 Resp: 18330

Ion Ratio Lower Upper

178 100

176 17.9 0.0 0.0#

179 16.1 12.6 18.8



#24

Anthracene

Concen: 0.365 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

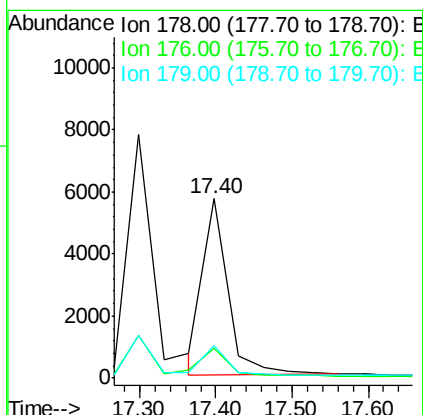
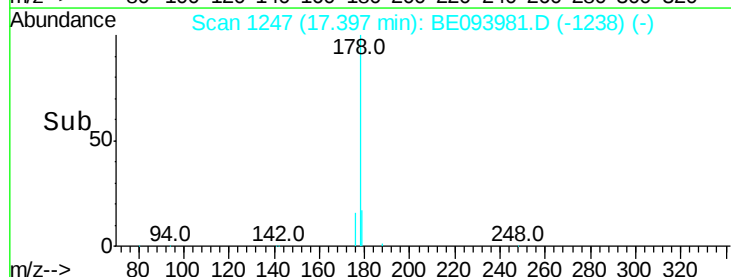
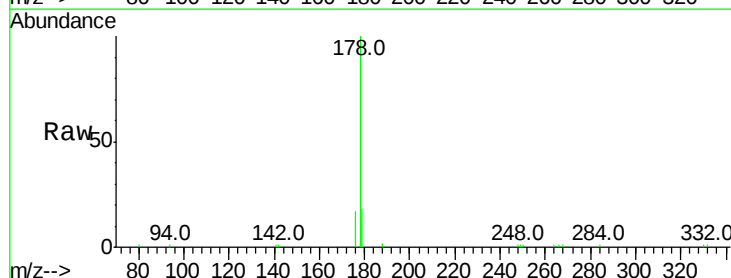
Tgt Ion:178 Resp: 12965

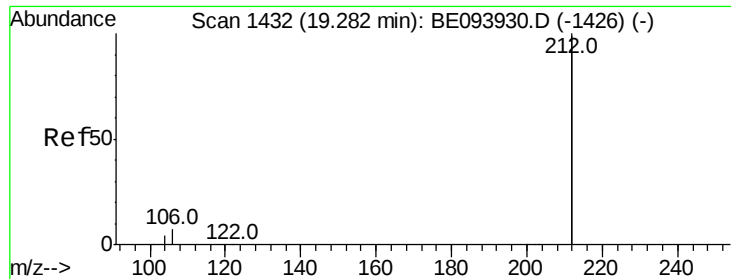
Ion Ratio Lower Upper

178 100

176 16.0 16.0 24.0#

179 17.2 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.29 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

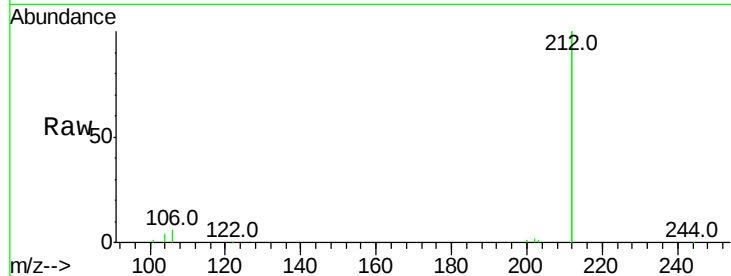
Tot Ion:212 Resp: 61993

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

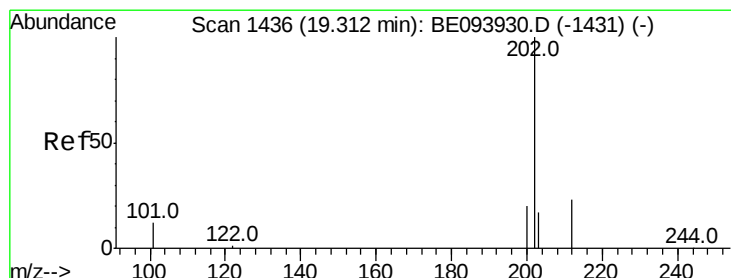
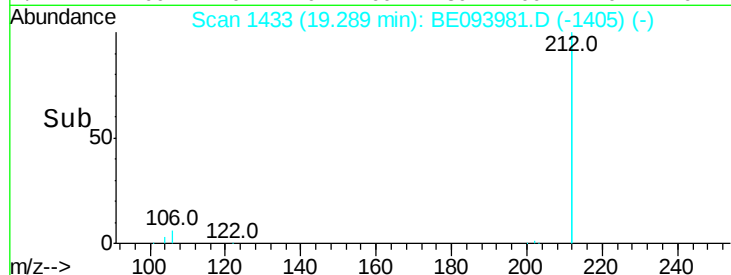
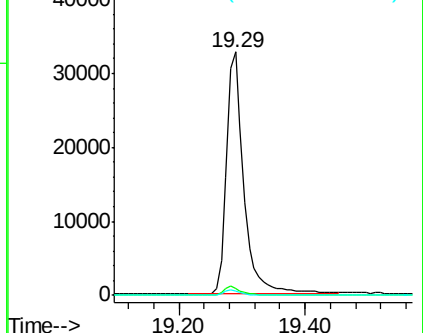
104 1.9 1.6 2.4



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: 0.355 ng

RT: 19.32 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

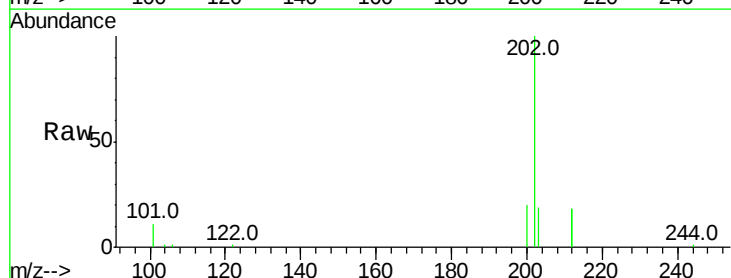
Tgt Ion:202 Resp: 18447

Ion Ratio Lower Upper

202 100

101 12.1 9.7 14.5

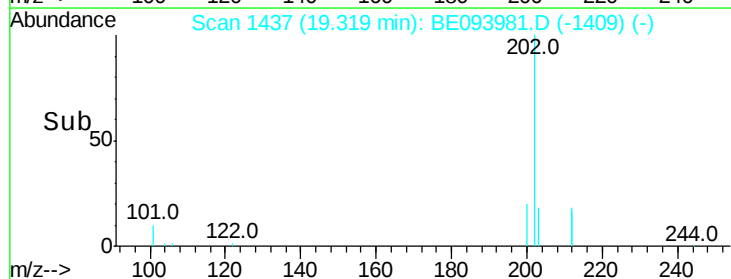
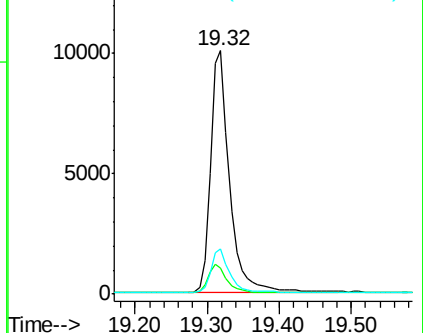
203 17.1 13.7 20.5



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# 1654

Delta R.T. -0.01 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

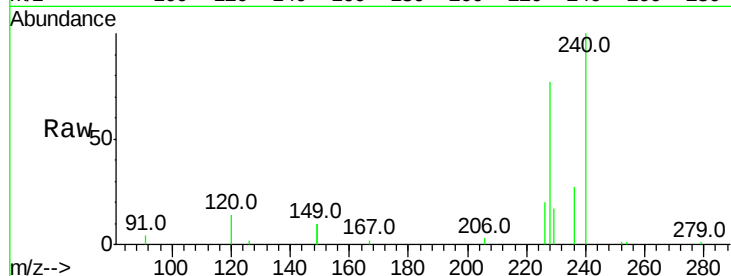
Tot Ion:240 Resp: 13762

Ion Ratio Lower Upper

240 100

120 14.4 8.7 13.1#

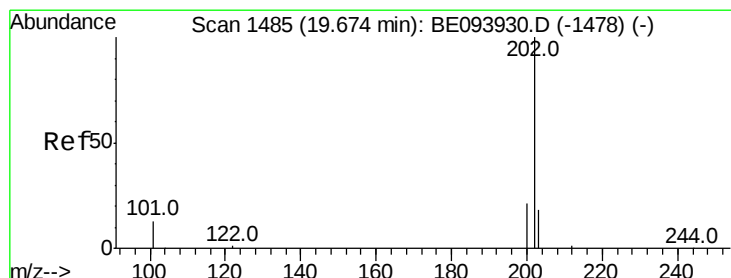
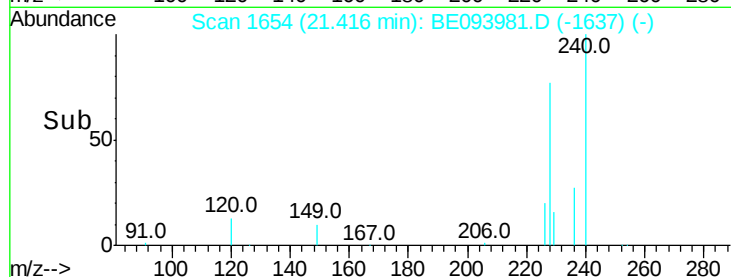
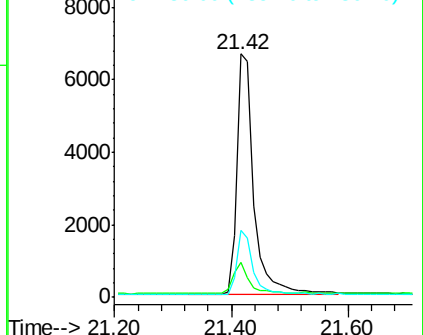
236 27.5 21.3 31.9



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: 0.408 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

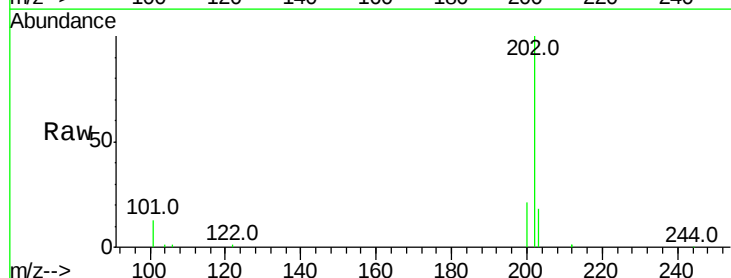
Tgt Ion:202 Resp: 19325

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

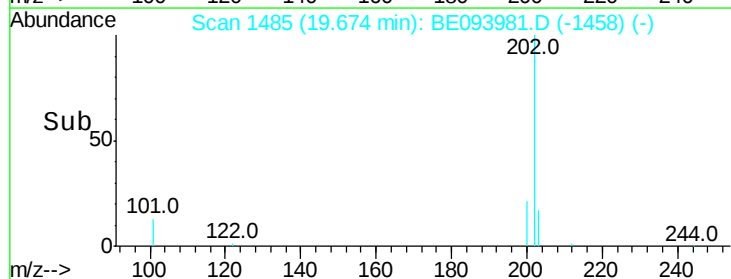
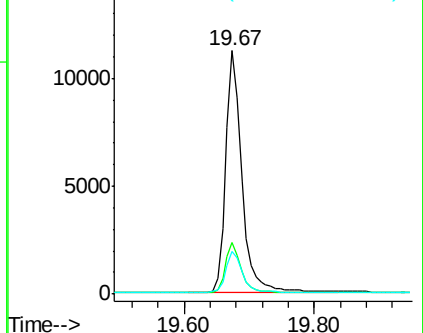
203 17.6 14.2 21.4



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: 0.402 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

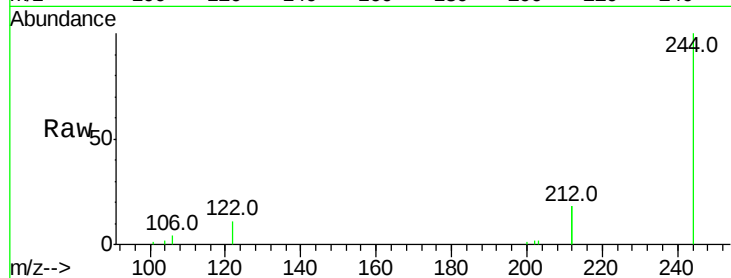
Tot Ion:244 Resp: 10169

Ion Ratio Lower Upper

244 100

212 35.3 28.3 42.5

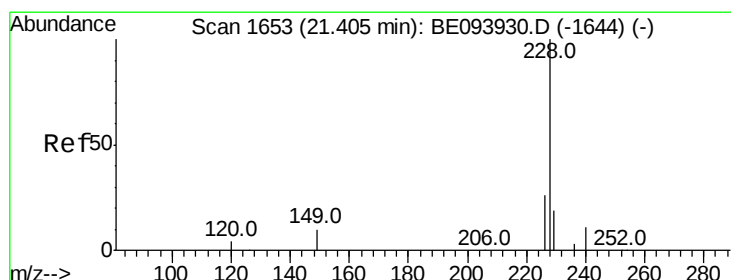
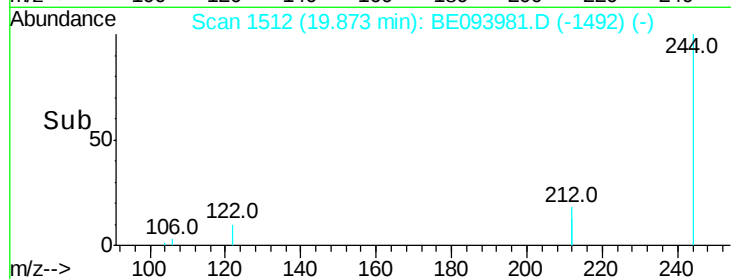
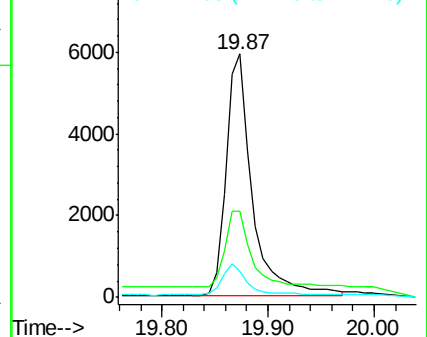
122 10.7 9.4 14.0



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: 0.363 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

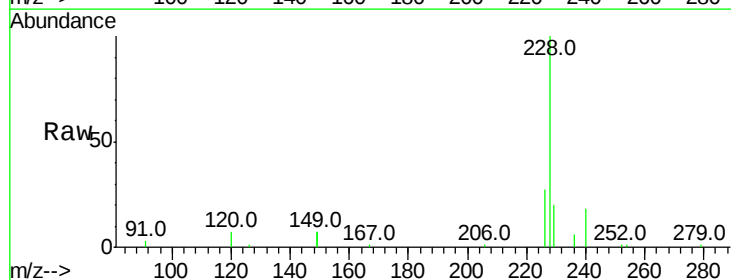
Tgt Ion:228 Resp: 15352

Ion Ratio Lower Upper

228 100

226 27.1 20.8 31.2

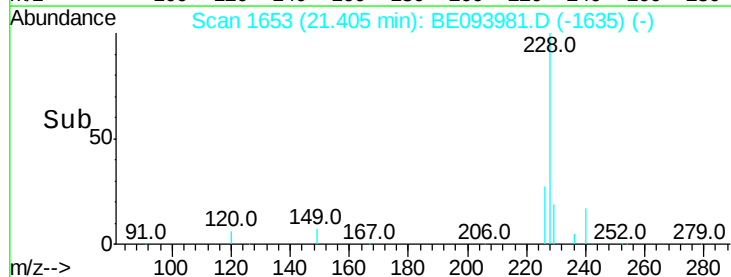
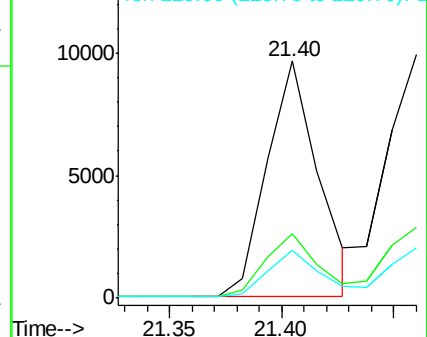
229 20.1 16.6 25.0

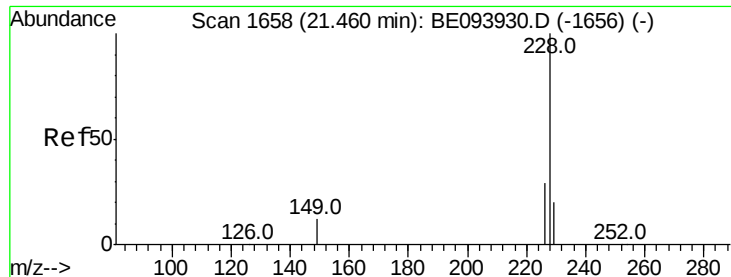


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.423 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampled :

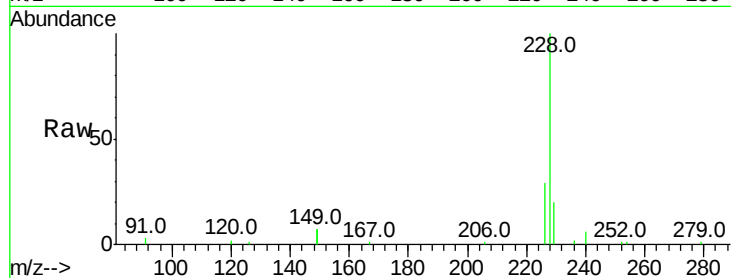
Tot Ion:228 Resp: 18919

Ion Ratio Lower Upper

228 100

226 29.1 24.6 37.0

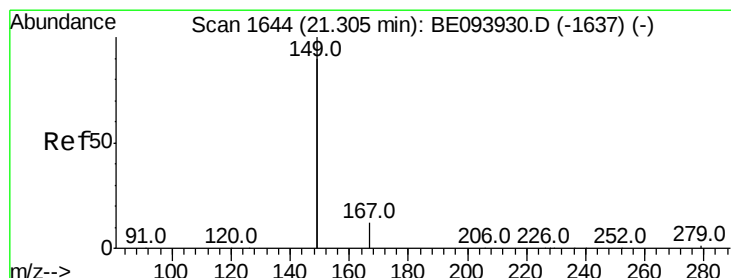
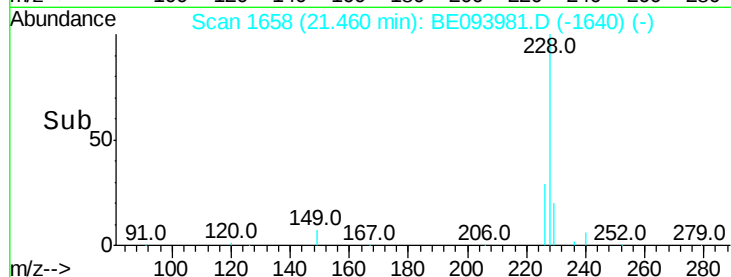
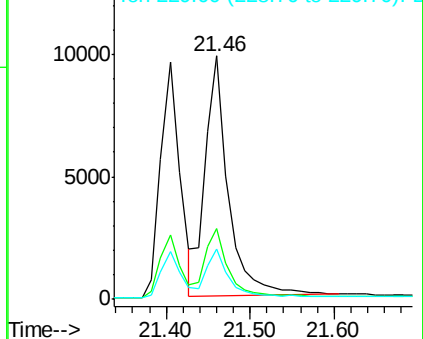
229 20.4 15.8 23.8



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: 0.332 ng

RT: 21.30 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

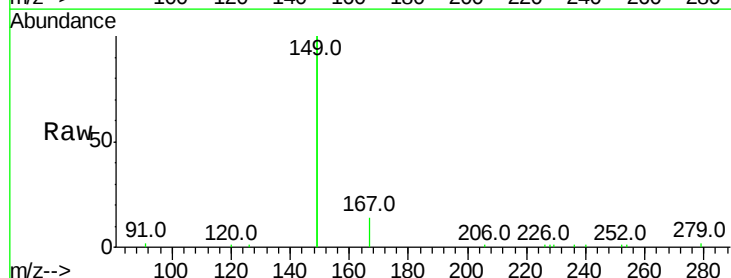
Tgt Ion:149 Resp: 34090

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

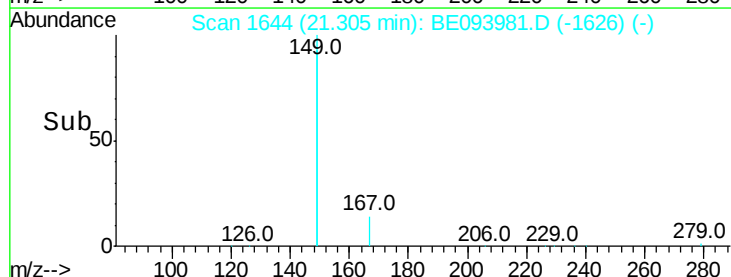
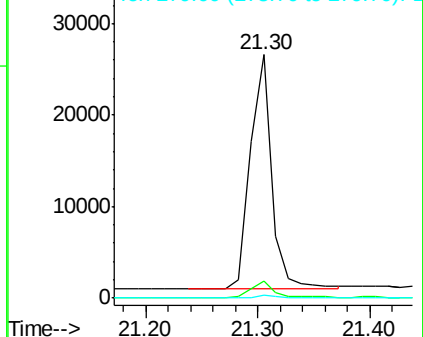
279 0.8 0.7 1.1



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

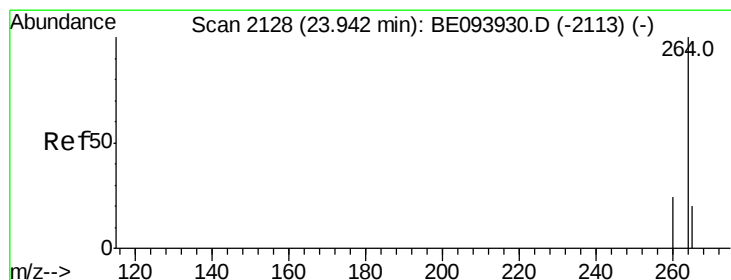
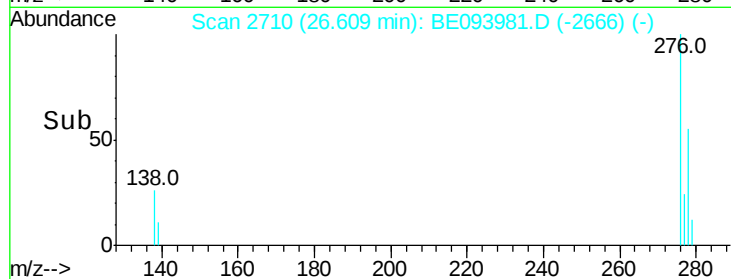
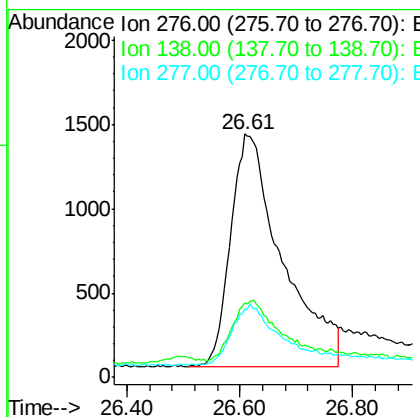
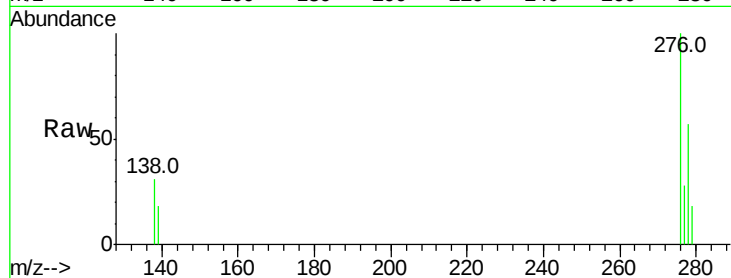




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.289 ng
 RT: 26.61 min Scan# 2710
 Delta R.T. 0.00 min
 Lab File: BE093981.D
 Acq: 13 Sep 2017 9:58

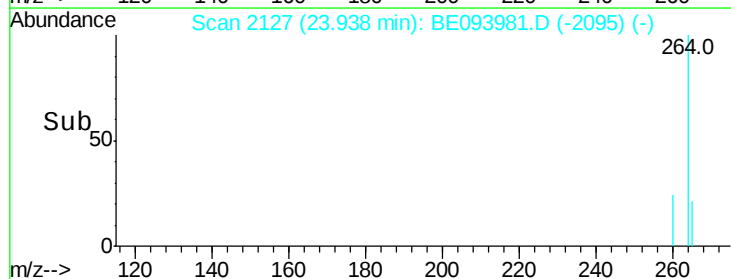
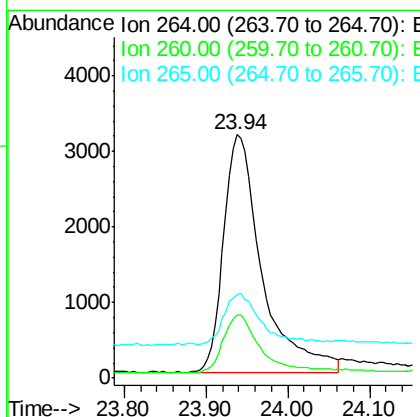
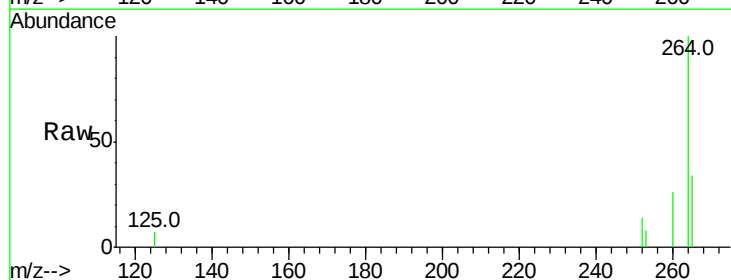
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 8611
 Ion Ratio Lower Upper
 276 100
 138 22.4 22.2 33.2
 277 24.2 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BE093981.D
 Acq: 13 Sep 2017 9:58

Tgt Ion:264 Resp: 10221
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.0 30.0
 265 34.2 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.387 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

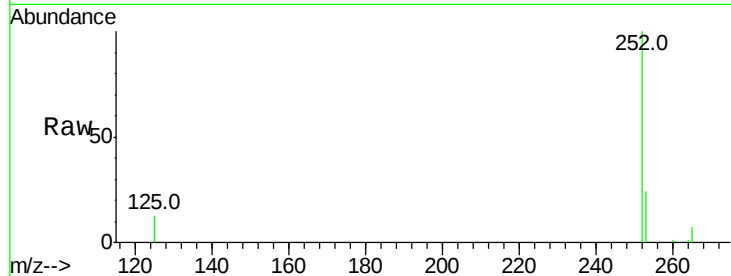
Tot Ion:252 Resp: 12581

Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.0

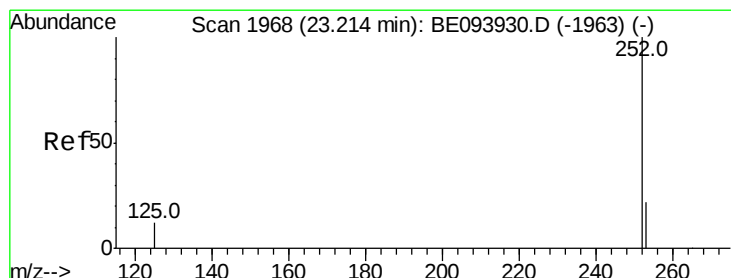
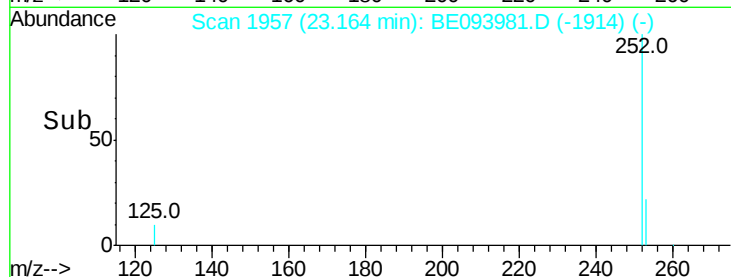
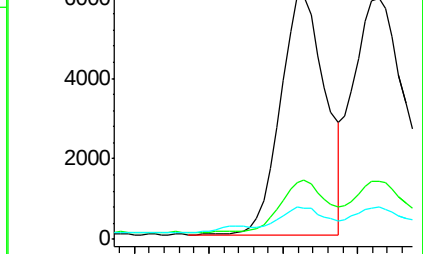
125 13.0 10.0 15.0



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: 0.454 ng

RT: 23.21 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

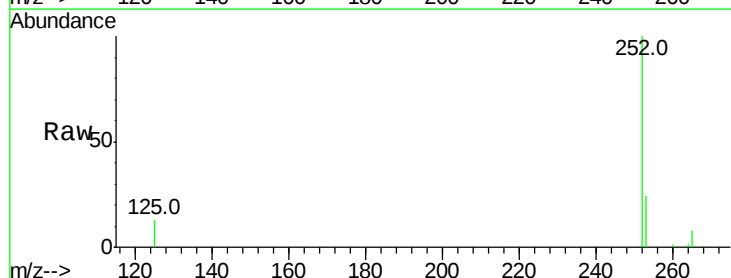
Tgt Ion:252 Resp: 18108

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

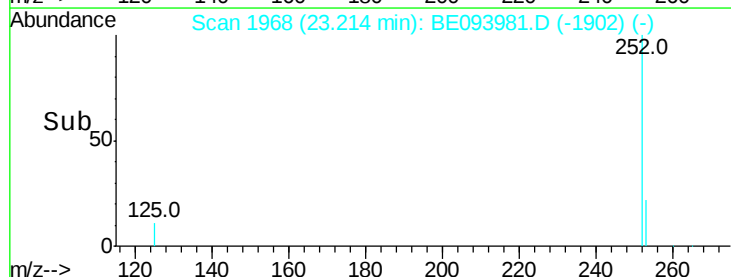
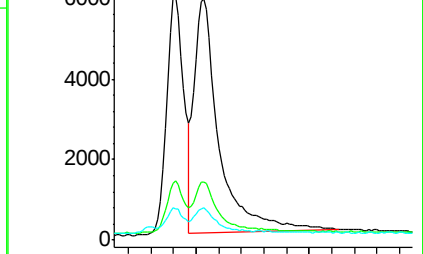
125 13.4 9.8 14.6



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: 0.404 ng

RT: 23.83 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :

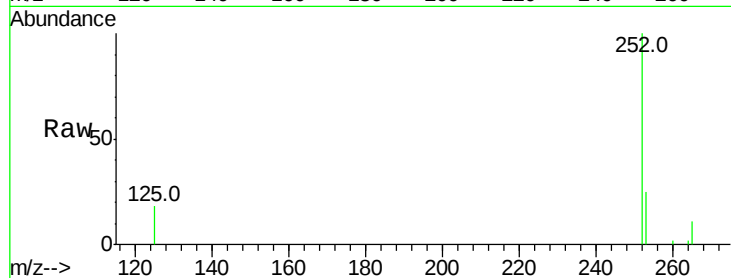
Tot Ion:252 Resp: 13402

Ion Ratio Lower Upper

252 100

253 25.4 19.6 29.4

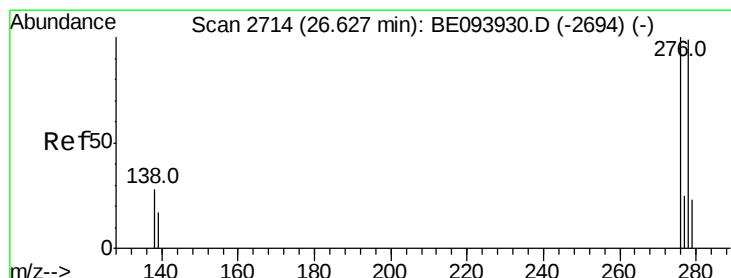
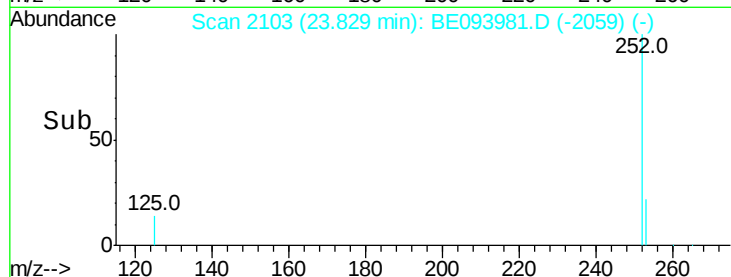
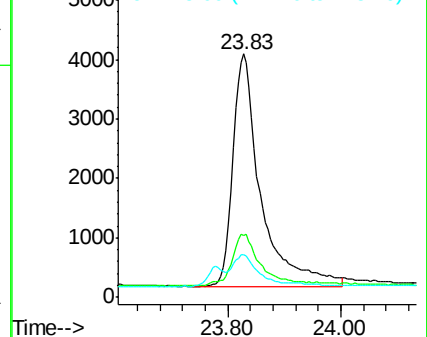
125 17.7 11.8 17.8



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: 0.318 ng

RT: 26.63 min Scan# 2714

Delta R.T. 0.00 min

Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

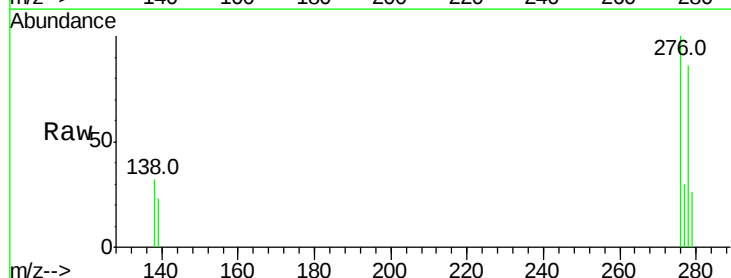
Tgt Ion:278 Resp: 7000

Ion Ratio Lower Upper

278 100

139 27.2 16.7 25.1#

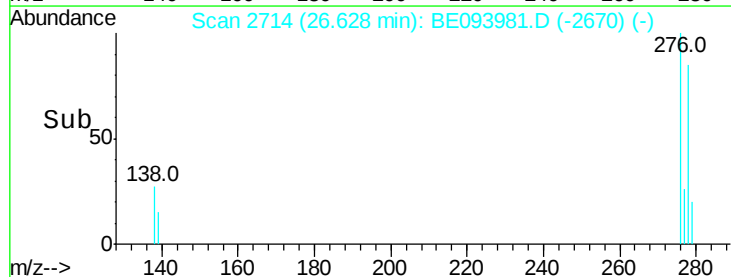
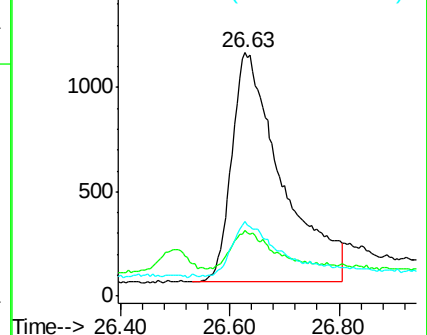
279 30.8 21.6 32.4



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: 0.348 ng

RT: 27.43 min Scan# 2891

Delta R.T. 0.01 min

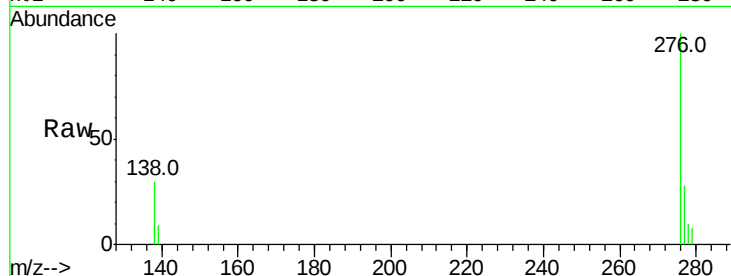
Lab File: BE093981.D

Acq: 13 Sep 2017 9:58

Instrument :

BNA_E

ClientSampleId :



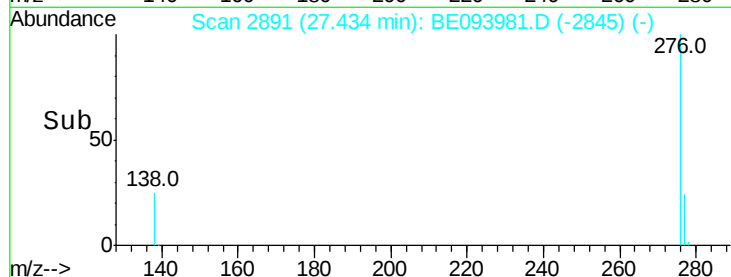
Tot Ion:276 Resp: 8060

Ion Ratio Lower Upper

276 100

277 28.0 20.6 30.8

138 29.9 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

