

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093985.D
 Acq On : 13 Sep 2017 12:35
 Operator : SJ/JU
 Sample : PB102256BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 00:52:38 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	3019	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	13547	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7758	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	17238	0.40	ng	0.00
27) Chrysene-d12	21.43	240	22713	0.40	ng	0.00
34) Perylene-d12	23.94	264	17299	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2058	0.21	ng	0.00
5) Phenol-d6	7.11	99	2762	0.19	ng	0.00
8) Nitrobenzene-d5	9.08	82	2562	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	4917	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	546	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6435	0.21	ng	0.00
25) Fluoranthene-d10	19.29	212	54714	0.21	ng	0.00
29) Terphenyl-d14	19.87	244	10244	0.25	ng	0.00

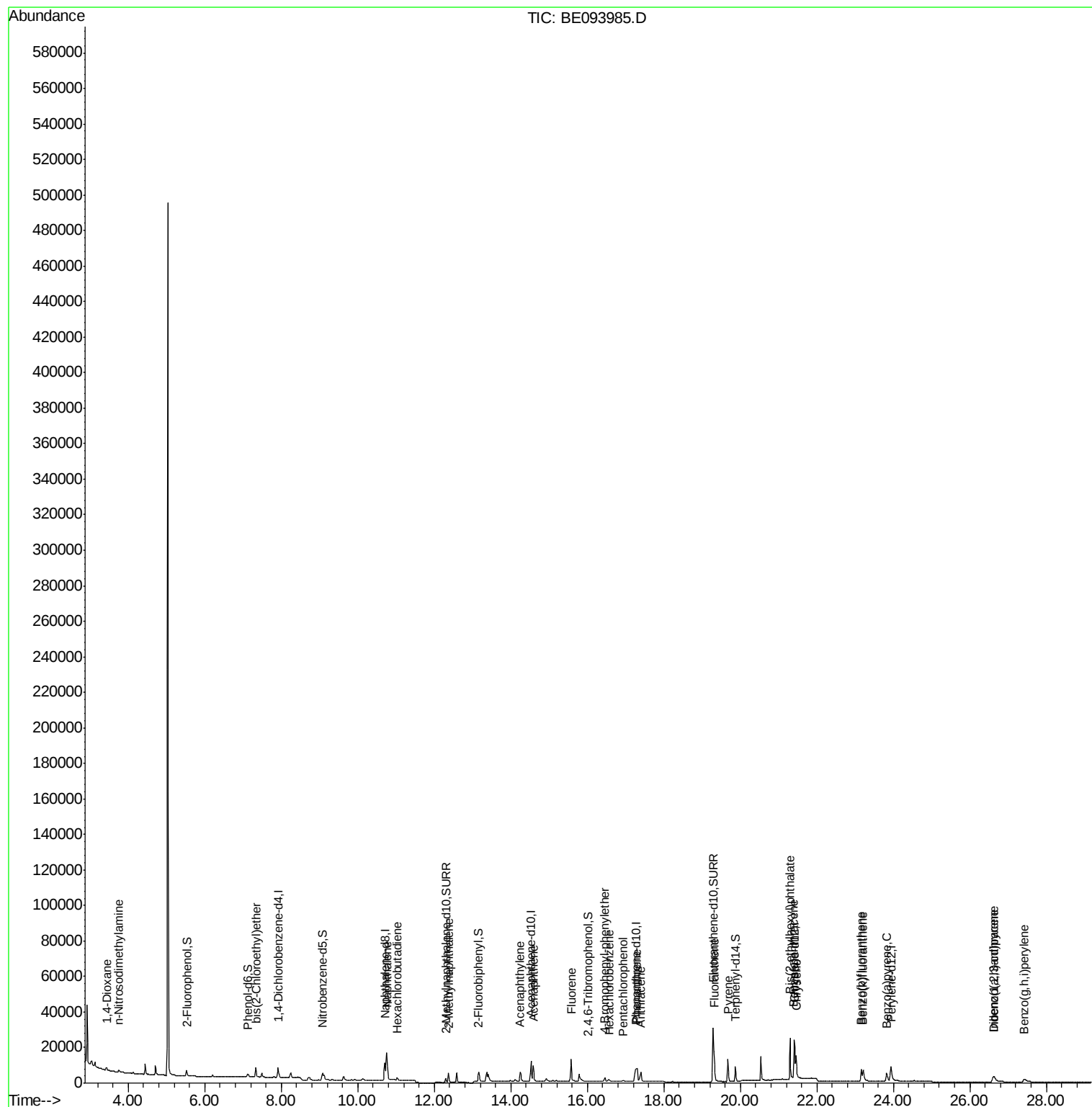
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	983	0.236	ng	# 1
3) n-Nitrosodimethylamine	3.75	42	1127	0.231	ng	97
6) bis(2-Chloroethyl)ether	7.34	93	2332	0.195	ng	91
9) Naphthalene	10.76	128	31509	0.203	ng	100
10) Hexachlorobutadiene	11.02	225	1151	0.204	ng	99
12) 2-Methylnaphthalene	12.37	142	5205	0.202	ng	98
16) Acenaphthylene	14.24	152	7545	0.195	ng	100
17) Acenaphthene	14.58	154	5319	0.203	ng	97
18) Fluorene	15.58	166	6880	0.204	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	2036	0.154	ng	# 78
21) Hexachlorobenzene	16.58	284	1682	0.165	ng	# 100
22) Pentachlorophenol	16.94	266	774	0.283	ng	96
23) Phenanthrene	17.30	178	13566	0.155	ng	# 99
24) Anthracene	17.40	178	9204	0.175	ng	# 91
26) Fluoranthene	19.32	202	14779	0.192	ng	100
28) Pyrene	19.67	202	15141	0.194	ng	100
30) Benzo(a)anthracene	21.40	228	13611	0.195	ng	98
31) Chrysene	21.46	228	14216	0.193	ng	97
32) Bis(2-ethylhexyl)phthalate	21.30	149	28187	0.166	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	8259	0.168	ng	94
35) Benzo(b)fluoranthene	23.16	252	11014	0.200	ng	99
36) Benzo(k)fluoranthene	23.21	252	13944	0.207	ng	96
37) Benzo(a)pyrene	23.82	252	11450	0.204	ng	97
38) Dibenzo(a,h)anthracene	26.63	278	6019	0.162	ng	93
39) Benzo(g,h,i)perylene	27.42	276	7321	0.187	ng	98

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

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QLast Update : Tue Sep 05 13:34:56 2017
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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: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

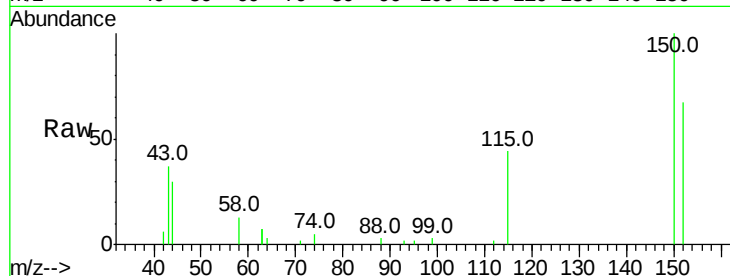
Tot Ion:152 Resp: 3019

Ion Ratio Lower Upper

152 100

150 149.7 121.8 182.6

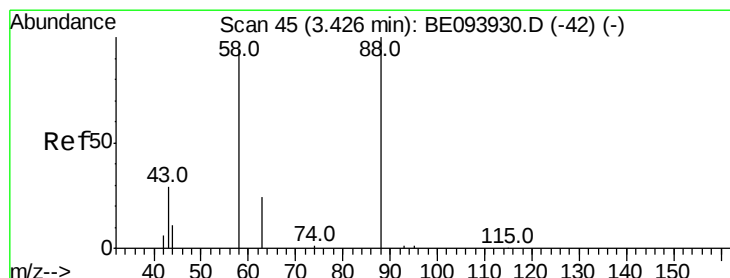
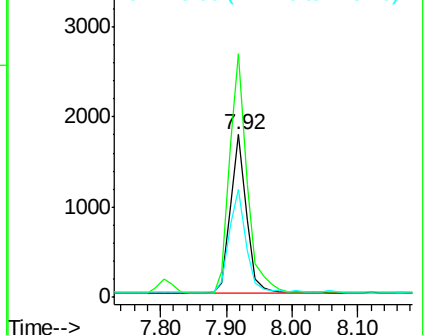
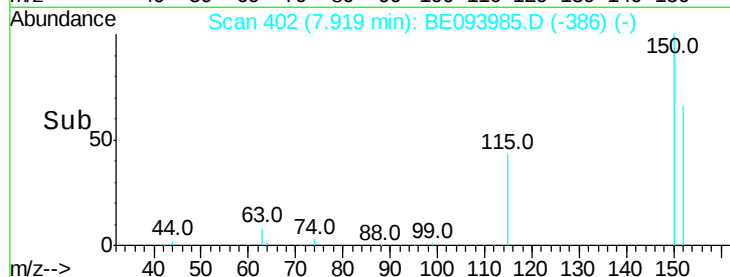
115 66.6 52.6 79.0



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: 0.236 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

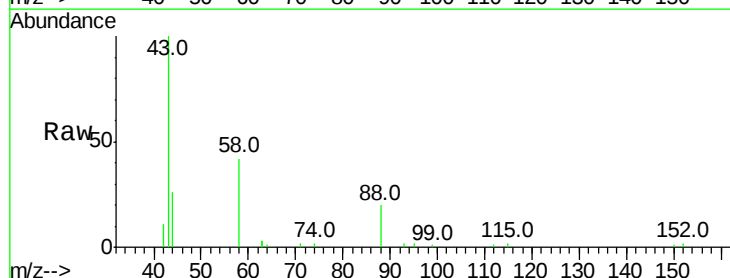
Tgt Ion: 88 Resp: 983

Ion Ratio Lower Upper

88 100

58 183.8 65.4 98.0#

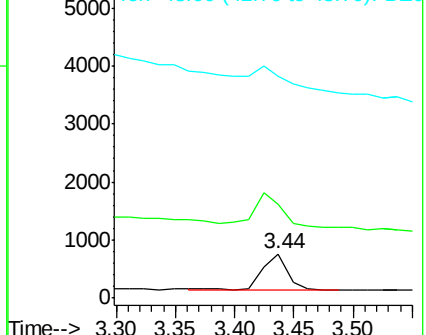
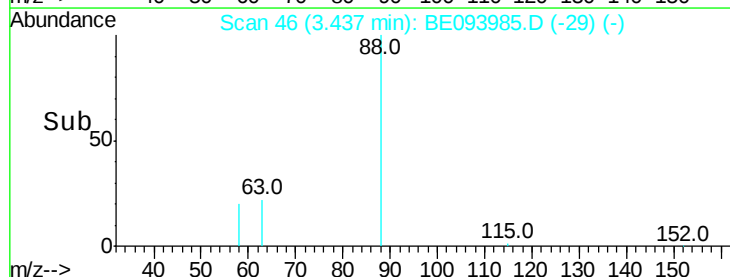
43 0.0 23.9 35.9#



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



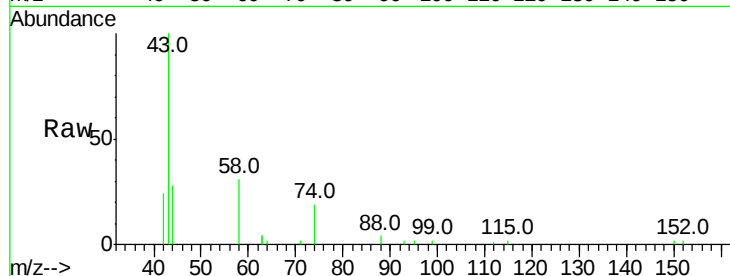


#3

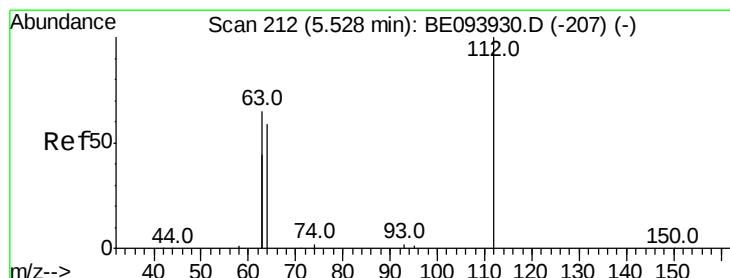
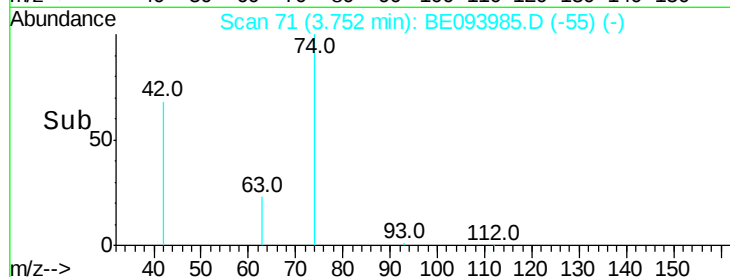
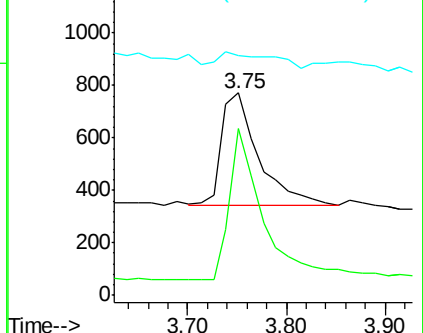
n-Nitrosodimethylamine
Concen: 0.231 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE093985.D
Acq: 13 Sep 2017 12:35

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 1127
Ion Ratio Lower Upper
42 100
74 127.2 104.0 156.0
44 20.5 13.8 20.8



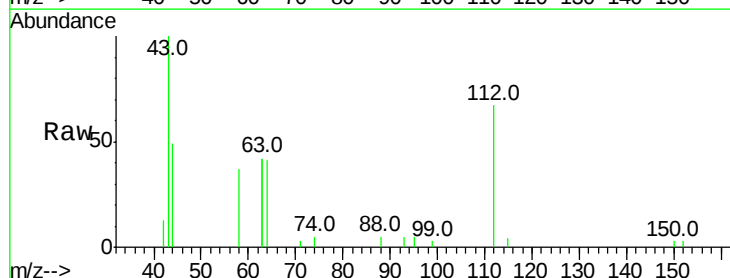
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



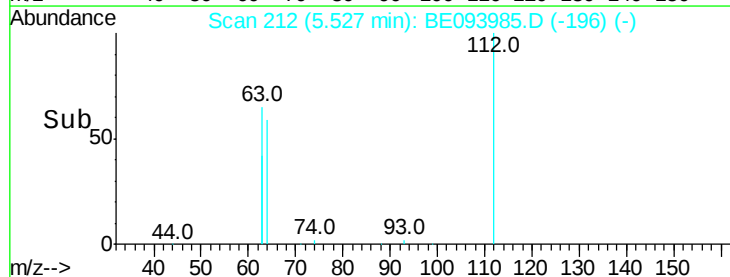
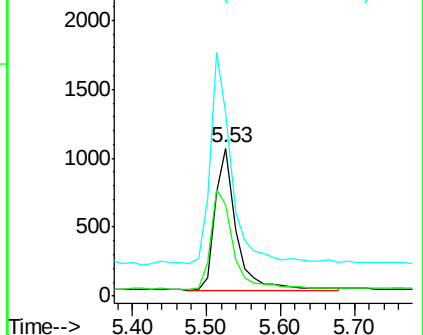
#4

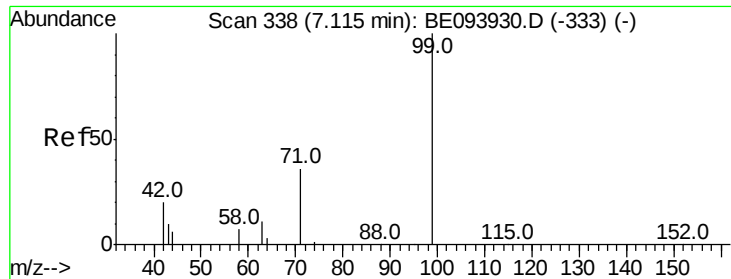
2-Fluorophenol
Concen: 0.211 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093985.D
Acq: 13 Sep 2017 12:35

Tgt Ion: 112 Resp: 2058
Ion Ratio Lower Upper
112 100
64 74.4 57.7 86.5
63 149.7 116.0 174.0



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: 0.189 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampled :

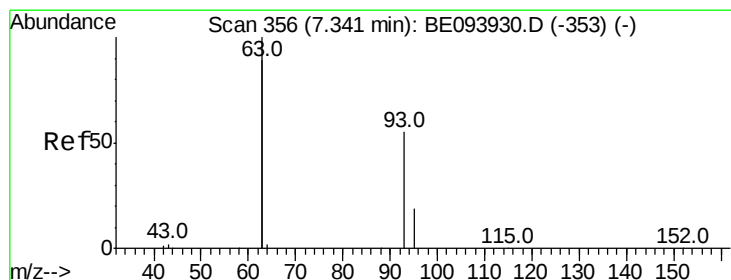
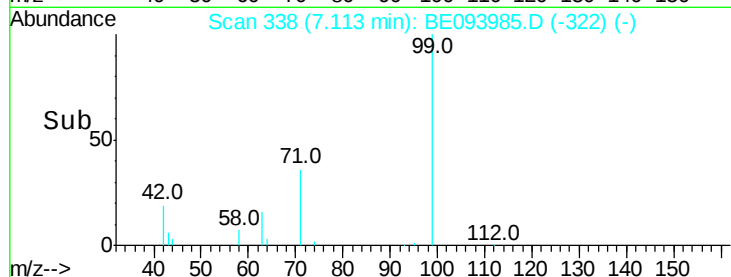
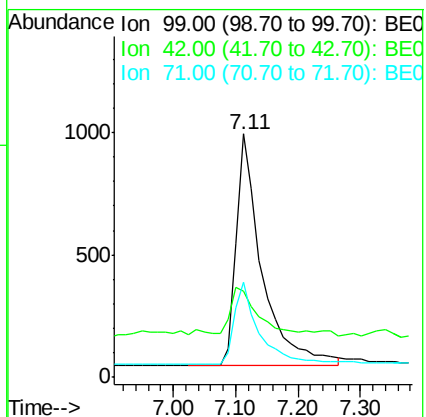
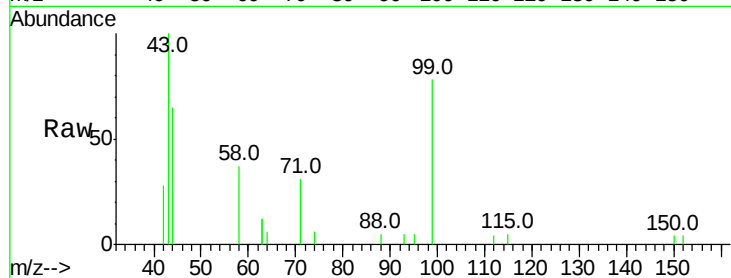
Tot Ion: 99 Resp: 2762

Ion Ratio Lower Upper

99 100

42 18.4 17.1 25.7

71 34.3 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.195 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

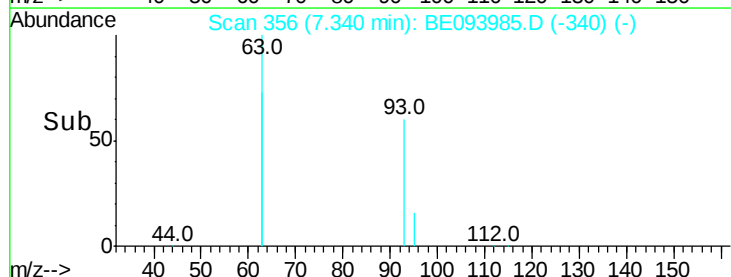
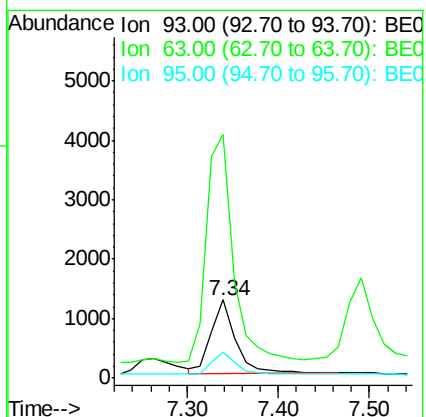
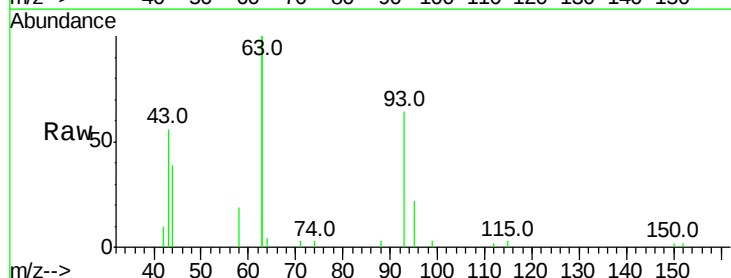
Tgt Ion: 93 Resp: 2332

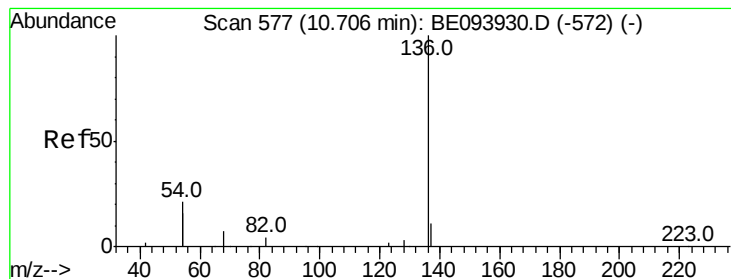
Ion Ratio Lower Upper

93 100

63 332.5 283.4 425.2

95 31.7 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: BE093985.D

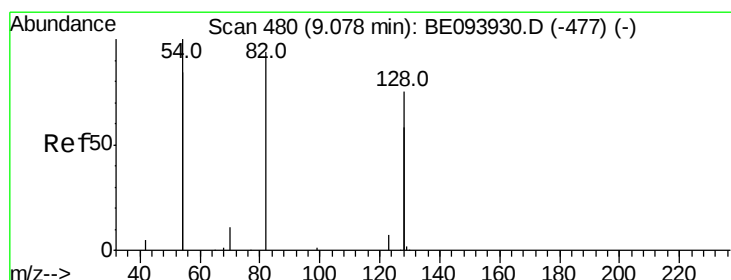
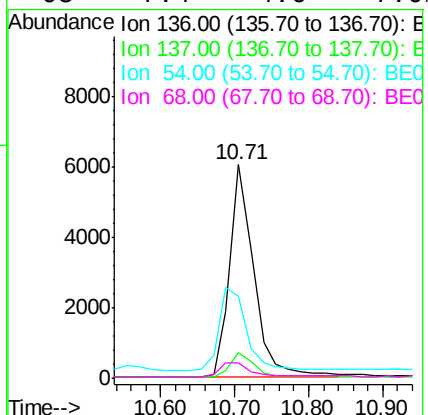
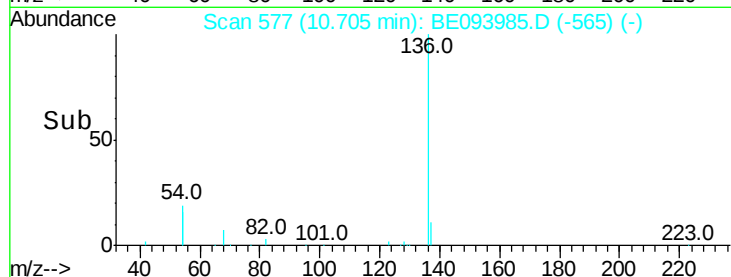
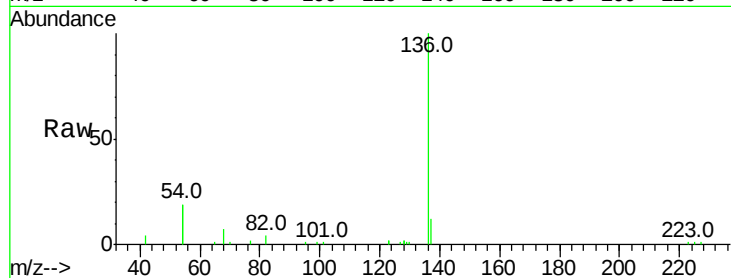
Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	13547
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	38.6	21.9 32.9#
68	7.4	4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.224 ng

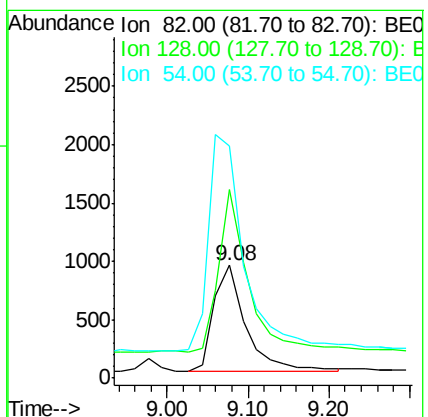
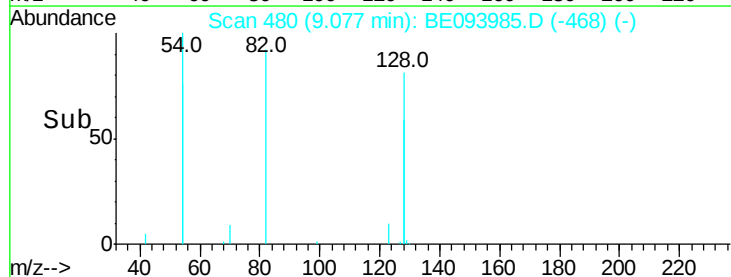
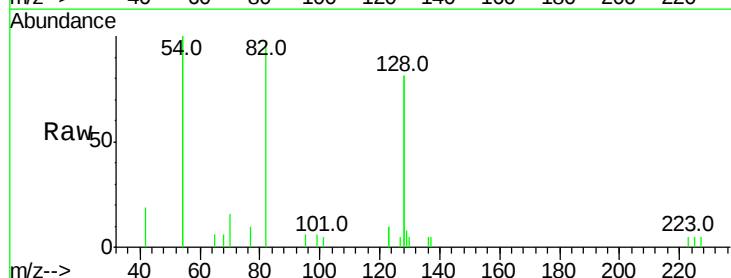
RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Tgt Ion: 82	Resp:	2562
Ion Ratio	Lower	Upper
82	100	
128	167.3	91.4 137.0#
54	206.0	197.8 296.8





#9

Naphthalene

Concen: 0.203 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

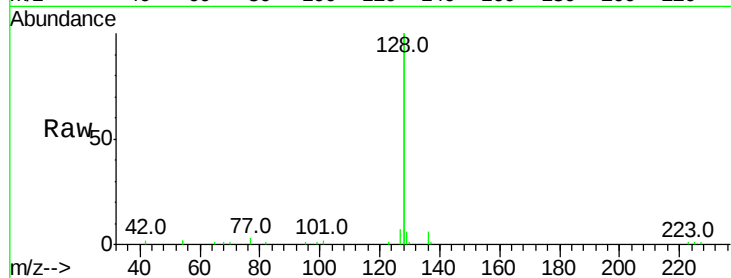
Tot Ion:128 Resp: 31509

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

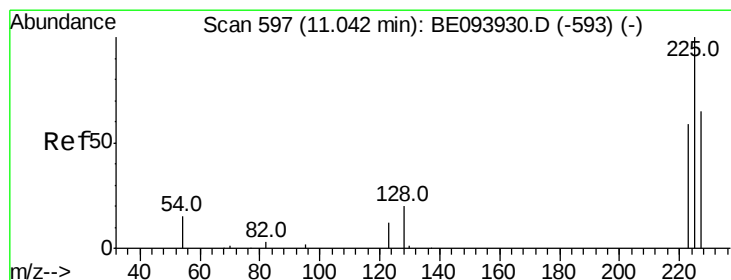
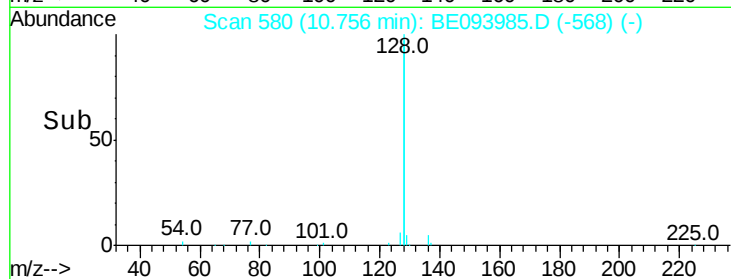
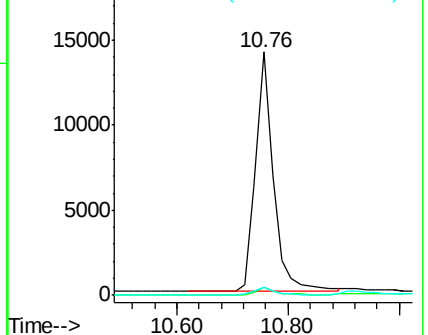
127 3.4 2.6 4.0



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: 0.204 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

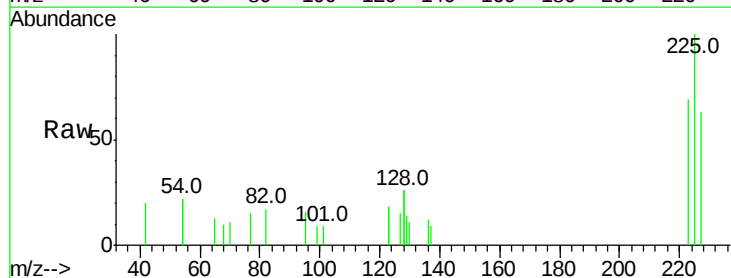
Tgt Ion:225 Resp: 1151

Ion Ratio Lower Upper

225 100

223 62.3 49.4 74.0

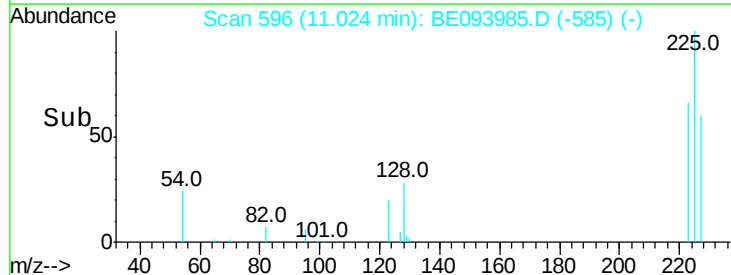
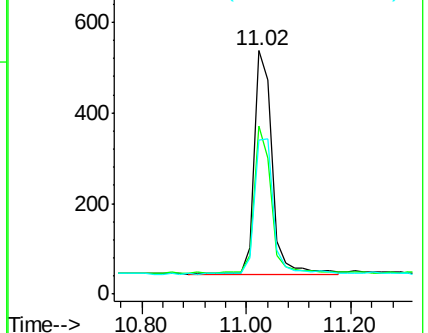
227 63.8 50.5 75.7



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: 0.227 ng

RT: 12.30 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

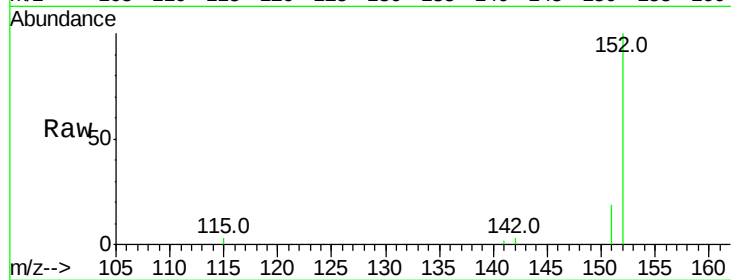
ClientSampleId :

Tot Ion:152 Resp: 4917

Ion Ratio Lower Upper

152 100

151 18.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

2500

2000

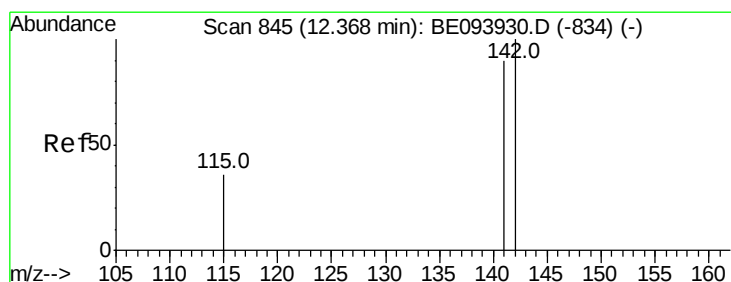
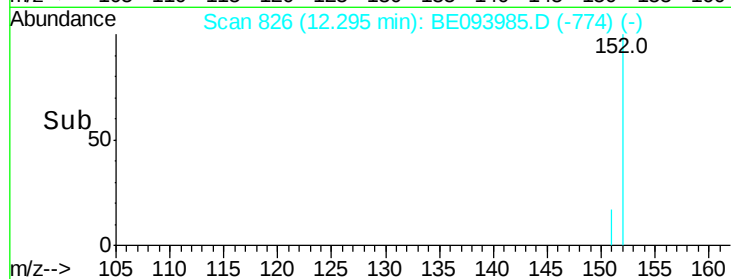
1500

1000

500

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.202 ng

RT: 12.37 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

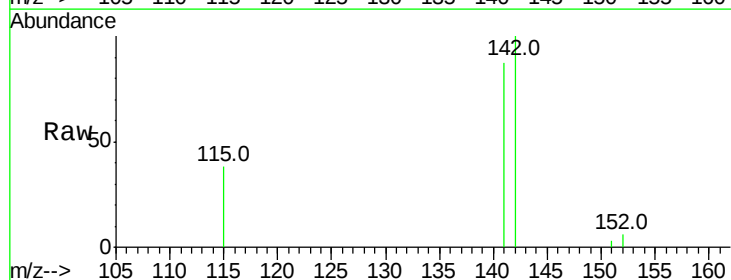
Tgt Ion:142 Resp: 5205

Ion Ratio Lower Upper

142 100

141 87.4 71.4 107.2

115 37.8 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

12.37

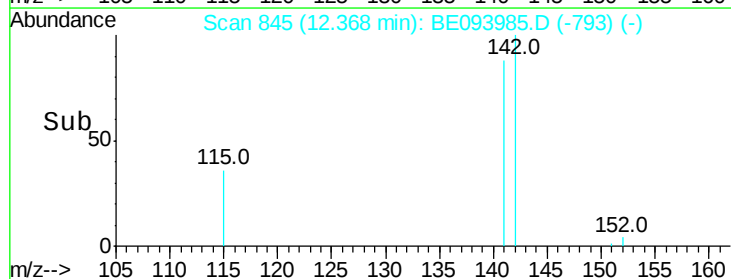
3000

2000

1000

0

Time--> 12.30 12.40 12.50

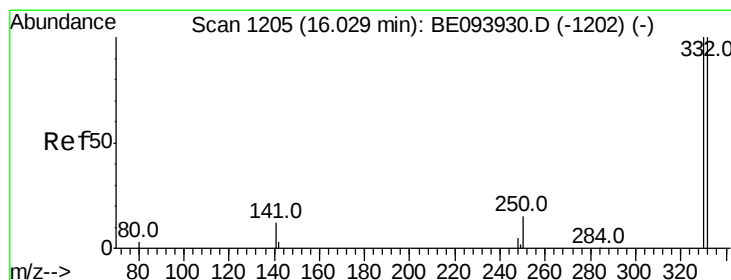
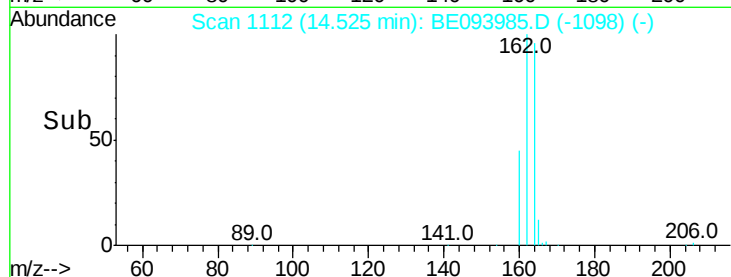
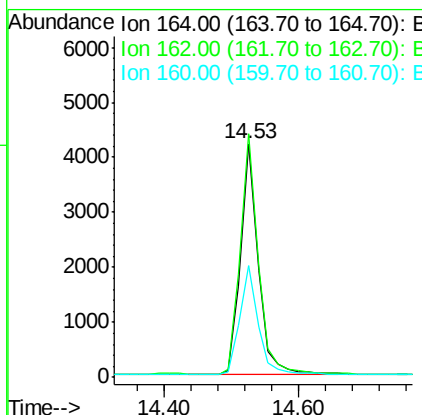
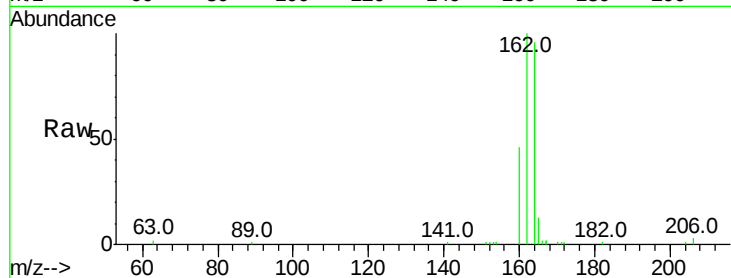




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093985.D
 Acq: 13 Sep 2017 12:35

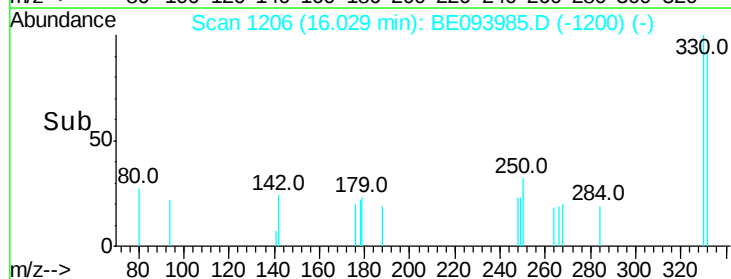
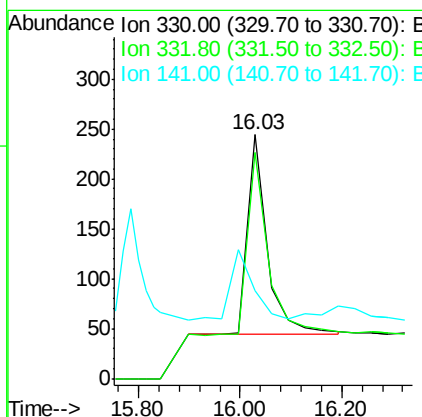
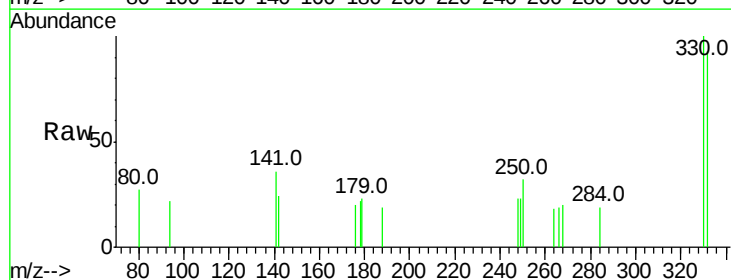
Instrument :
 BNA_E
 ClientSampleId :

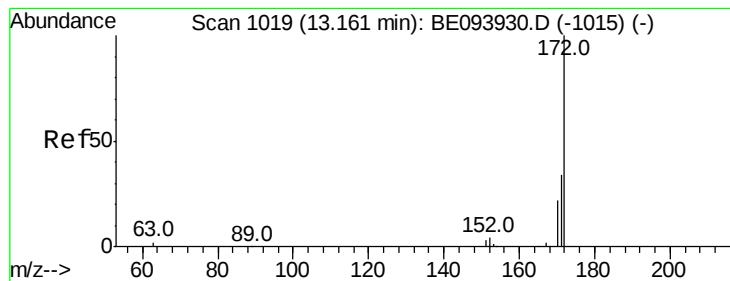
Tot Ion:164 Resp: 7758
 Ion Ratio Lower Upper
 164 100
 162 104.1 80.8 121.2
 160 47.9 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.227 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093985.D
 Acq: 13 Sep 2017 12:35

Tgt Ion:330 Resp: 546
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.9 115.3
 141 0.0 0.0 0.0





#15

2-Fluorobiphenyl

Concen: 0.210 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

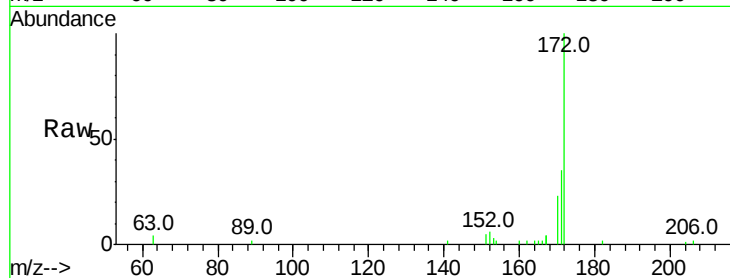
Instrument :

BNA_E

ClientSampleId :

Tot Ion:172 Resp: 6435

Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.9	40.3
170	23.2	17.3	25.9

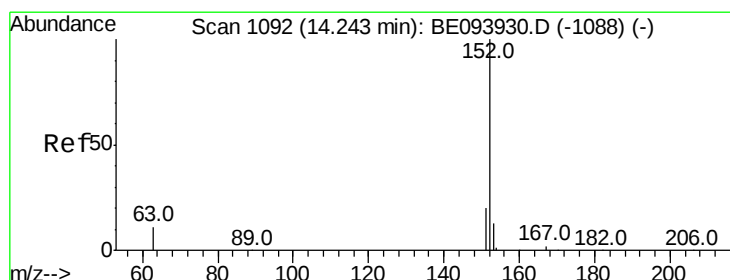
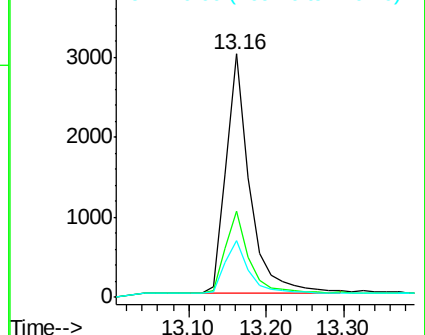
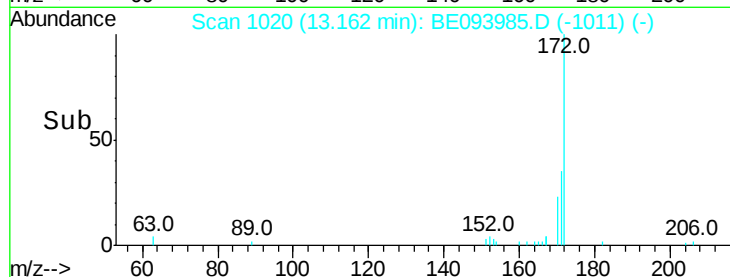


Abundance

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: 0.195 ng

RT: 14.24 min Scan# 1093

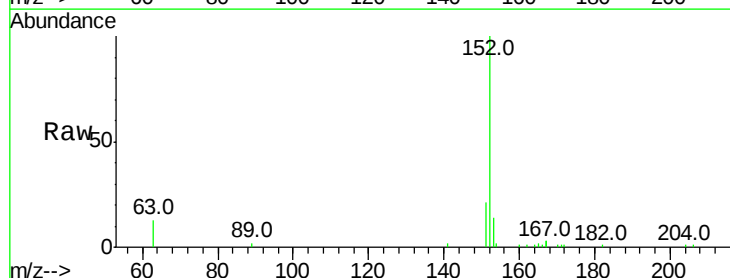
Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Tgt Ion:152 Resp: 7545

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	12.9	10.6	16.0

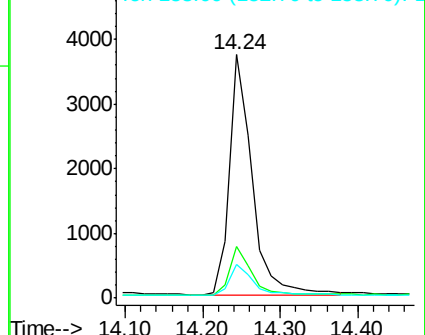
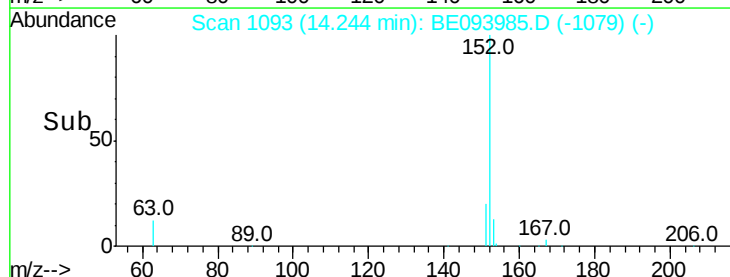


Abundance

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





#17

Acenaphthene

Concen: 0.203 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

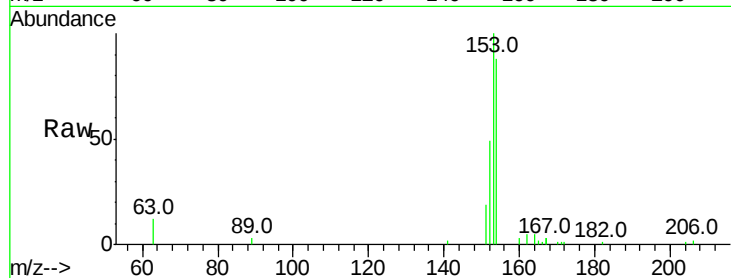
Tot Ion:154 Resp: 5319

Ion Ratio Lower Upper

154 100

153 112.7 91.8 137.6

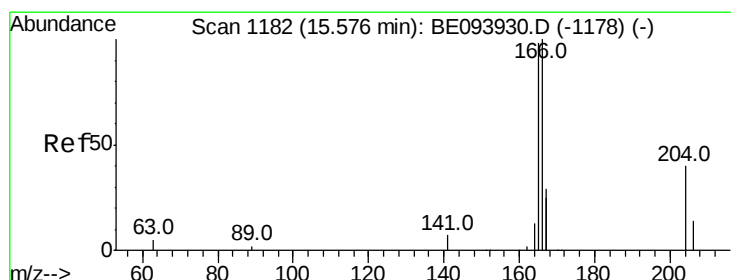
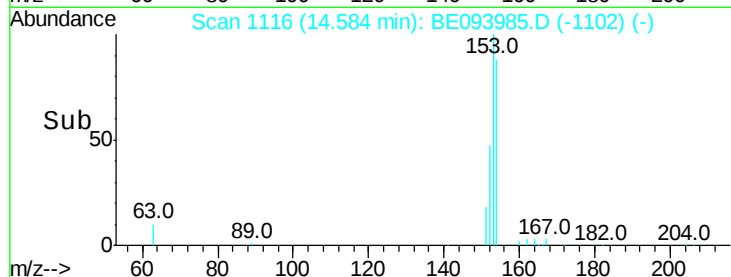
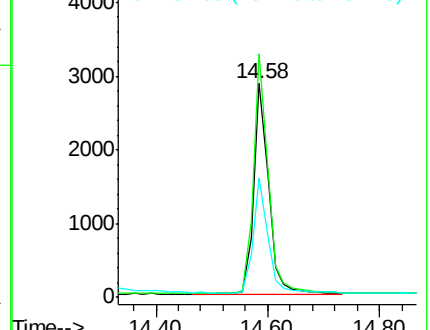
152 53.3 44.9 67.3



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: 0.204 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

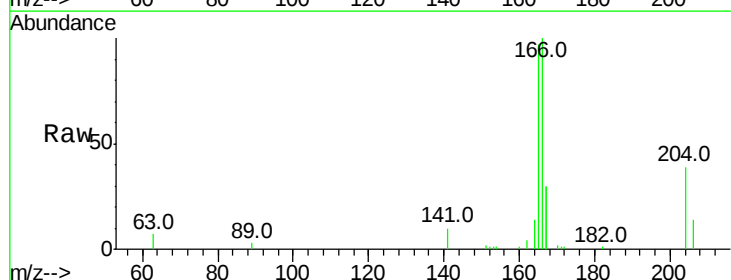
Tgt Ion:166 Resp: 6880

Ion Ratio Lower Upper

166 100

165 99.9 79.4 119.0

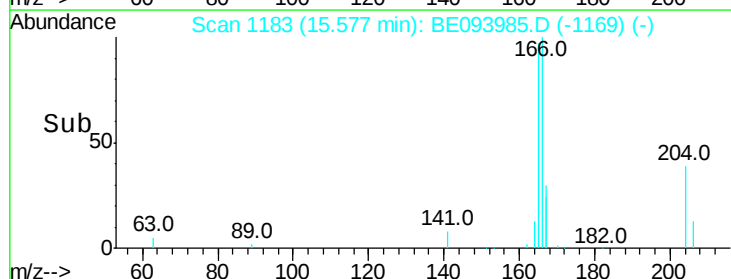
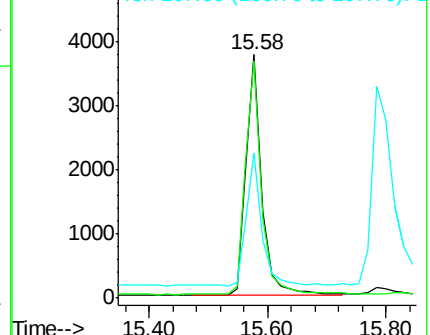
167 53.8 43.5 65.3

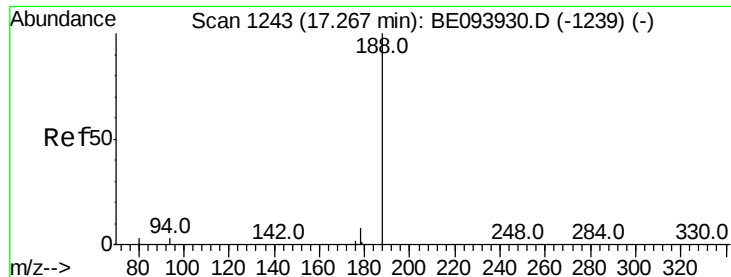


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

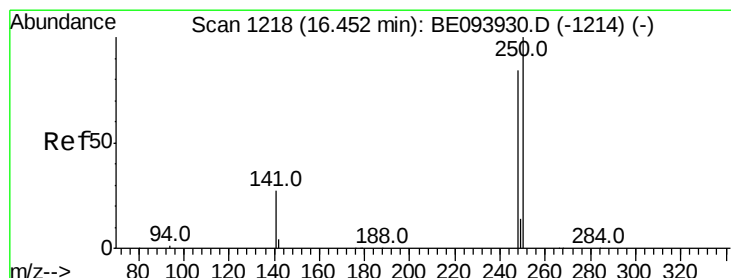
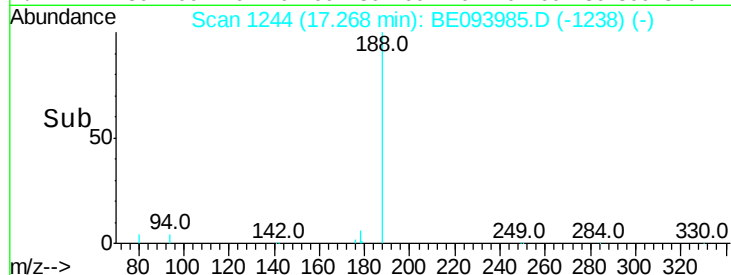
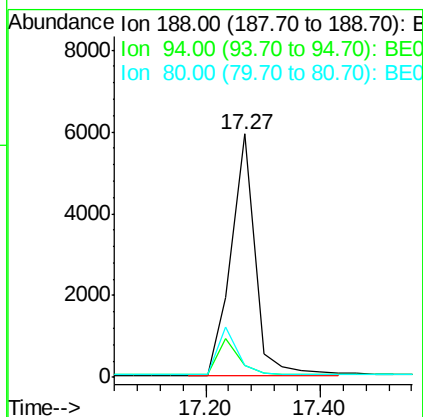
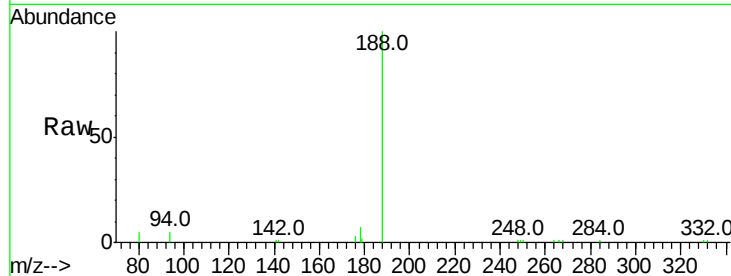




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093985.D
Acq: 13 Sep 2017 12:35

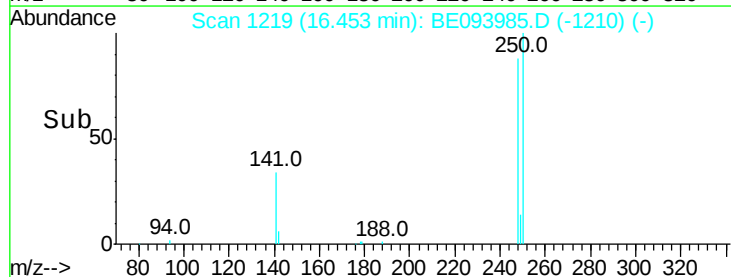
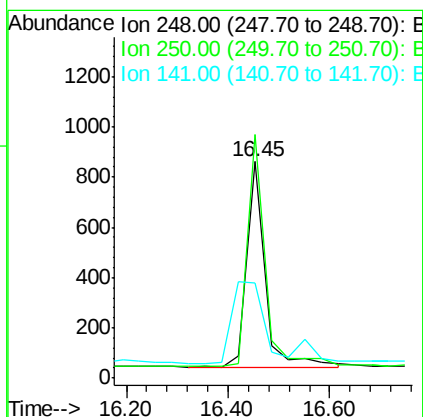
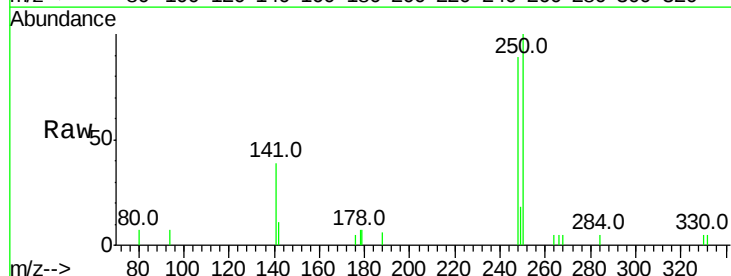
Instrument :
BNA_E
ClientSampled :

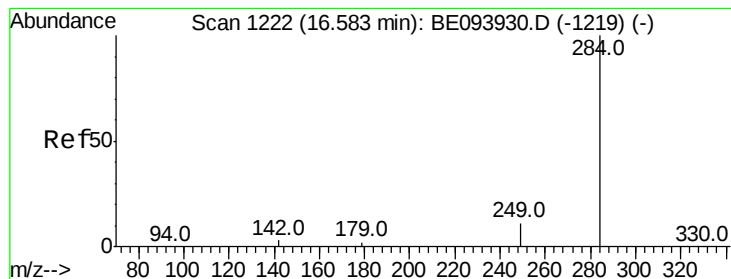
Tot Ion:188 Resp: 17238
Ion Ratio Lower Upper
188 100
94 4.8 16.1 24.1#
80 4.9 18.2 27.2#



#20
4-Bromophenyl-phenylether
Concen: 0.154 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093985.D
Acq: 13 Sep 2017 12:35

Tgt Ion:248 Resp: 2036
Ion Ratio Lower Upper
248 100
250 112.5 111.8 167.8
141 44.1 27.1 40.7#





#21

Hexachlorobenzene

Concen: 0.165 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampled :

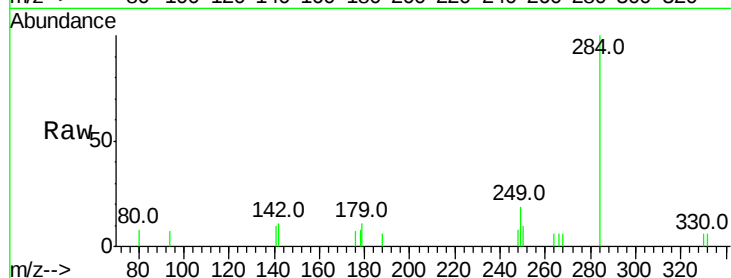
Tot Ion:284 Resp: 1682

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

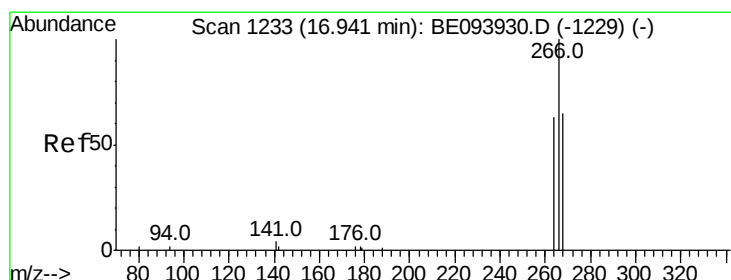
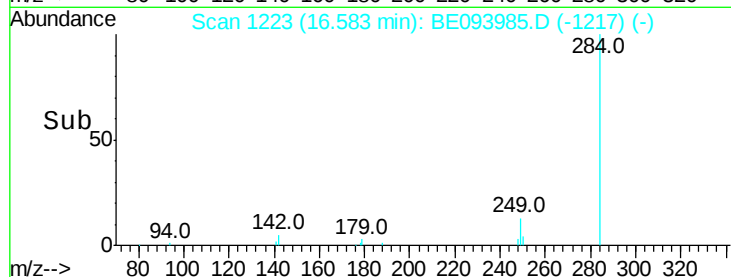
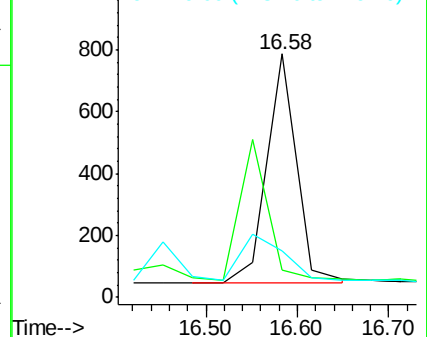
249 0.0 0.0 0.0



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: 0.283 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

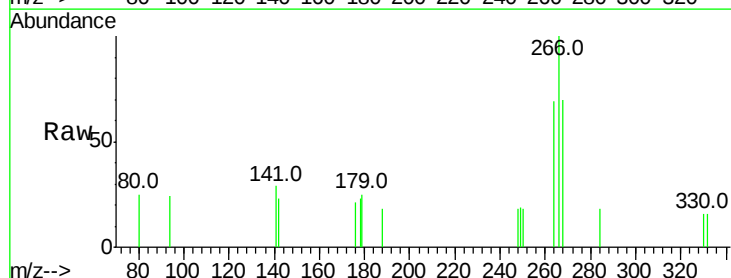
Tgt Ion:266 Resp: 774

Ion Ratio Lower Upper

266 100

264 69.3 53.5 80.3

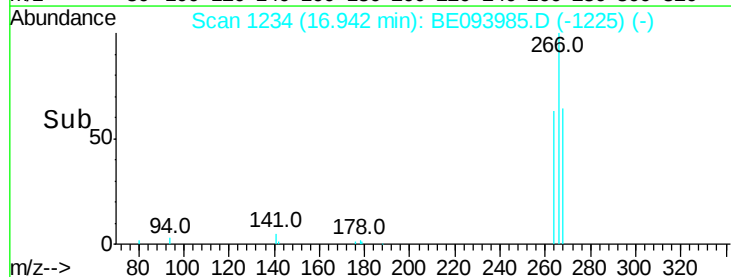
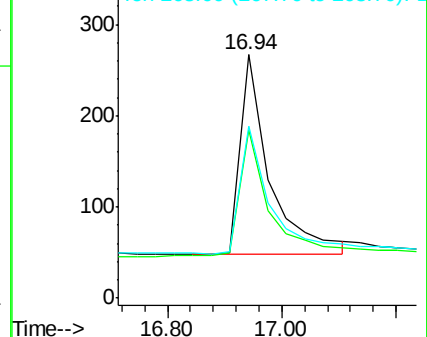
268 70.4 60.0 90.0

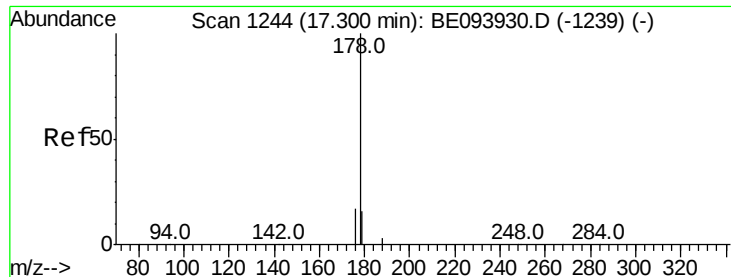


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.155 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

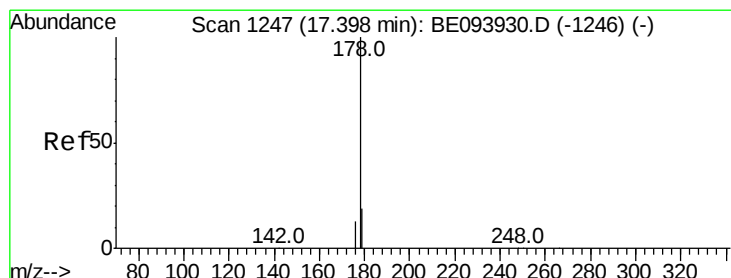
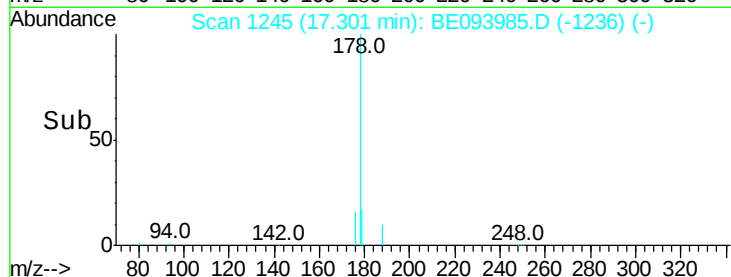
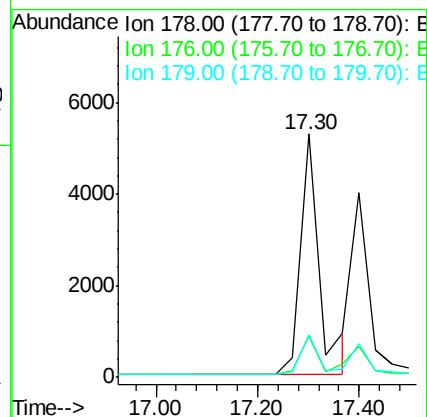
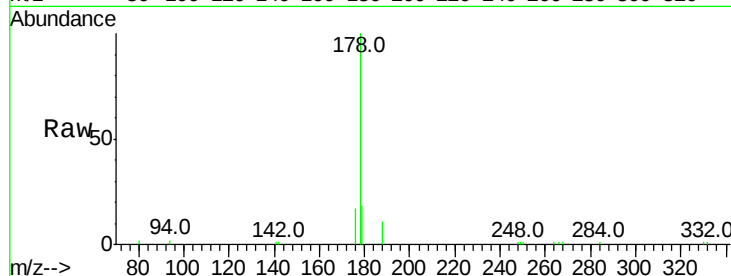
Tot Ion:178 Resp: 13566

Ion Ratio Lower Upper

178 100

176 18.3 0.0 0.0#

179 16.1 12.6 18.8



#24

Anthracene

Concen: 0.175 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

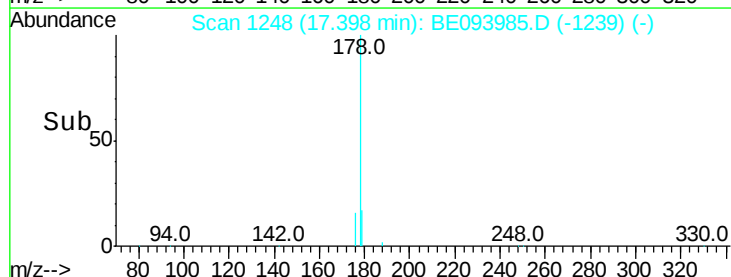
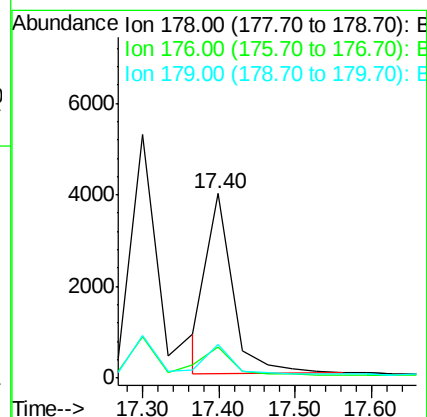
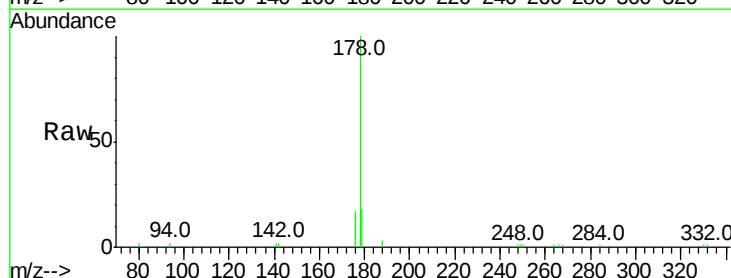
Tgt Ion:178 Resp: 9204

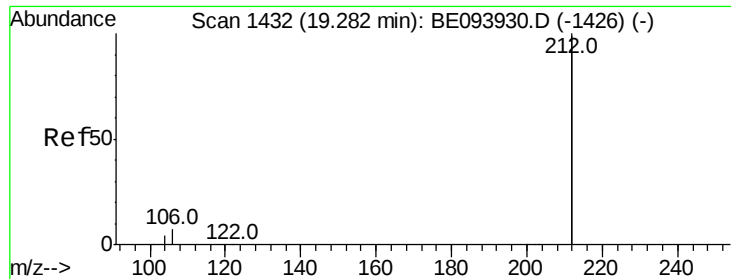
Ion Ratio Lower Upper

178 100

176 15.8 16.0 24.0#

179 16.8 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.213 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

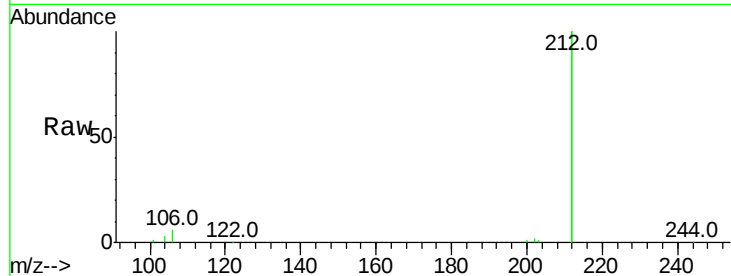
Tot Ion:212 Resp: 54714

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

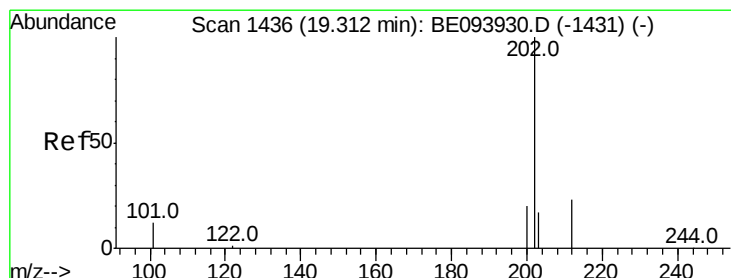
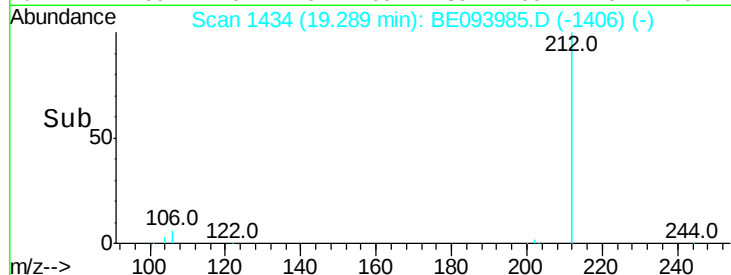
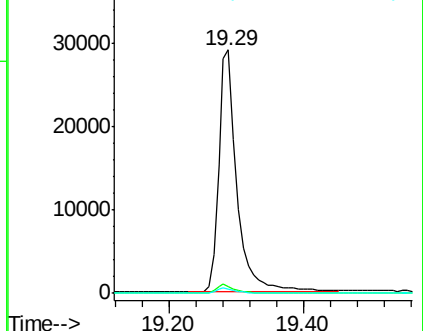
104 1.9 1.6 2.4



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: 0.192 ng

RT: 19.32 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

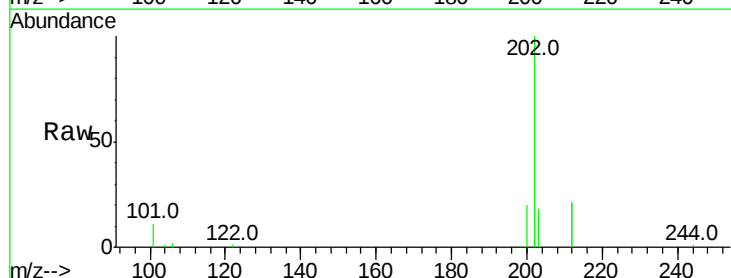
Tgt Ion:202 Resp: 14779

Ion Ratio Lower Upper

202 100

101 12.1 9.7 14.5

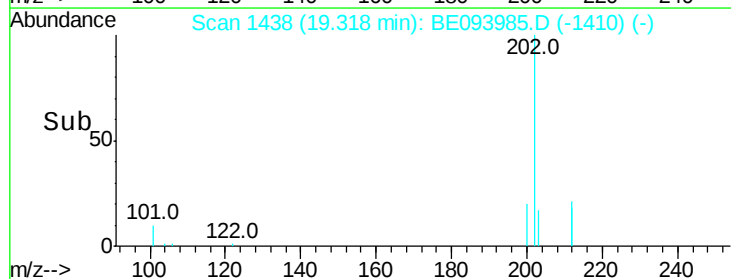
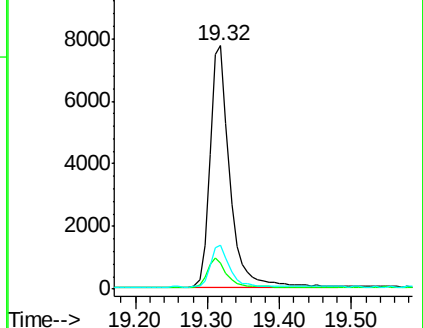
203 17.3 13.7 20.5



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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

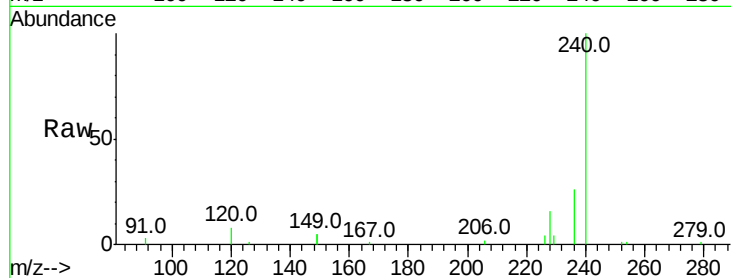
Tot Ion:240 Resp: 22713

Ion Ratio Lower Upper

240 100

120 7.8 8.7 13.1#

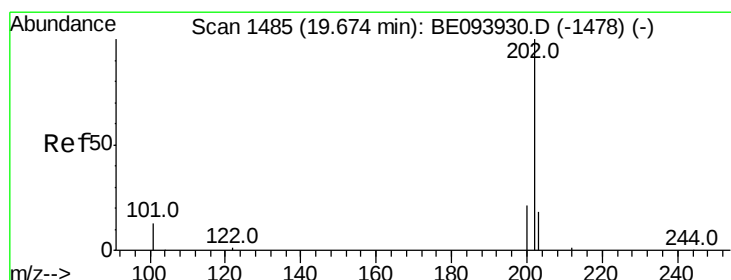
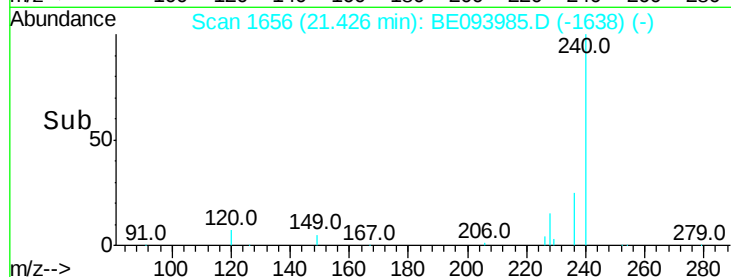
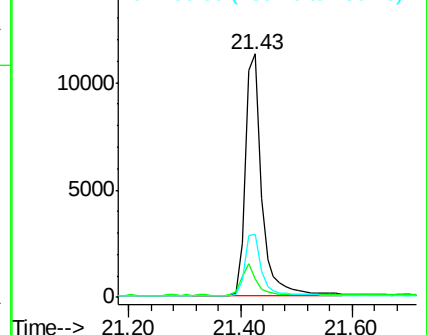
236 25.9 21.3 31.9



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

Pyrene

Concen: 0.194 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

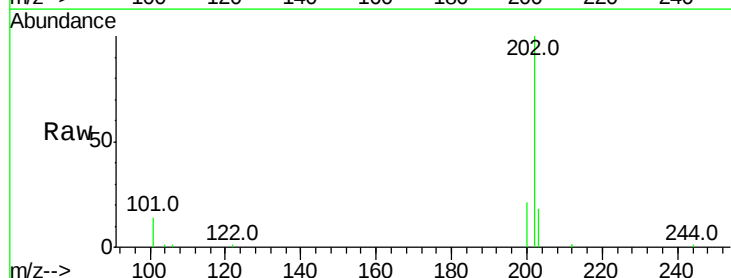
Tgt Ion:202 Resp: 15141

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

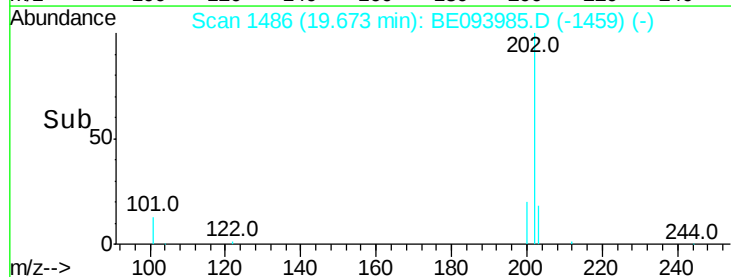
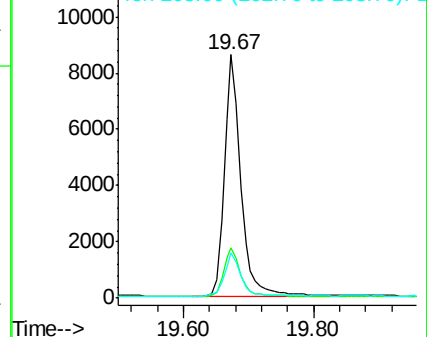
203 18.0 14.2 21.4



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: 0.245 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

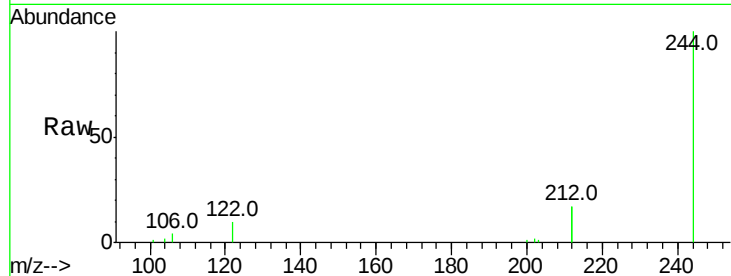
Tot Ion:244 Resp: 10244

Ion Ratio Lower Upper

244 100

212 33.1 28.3 42.5

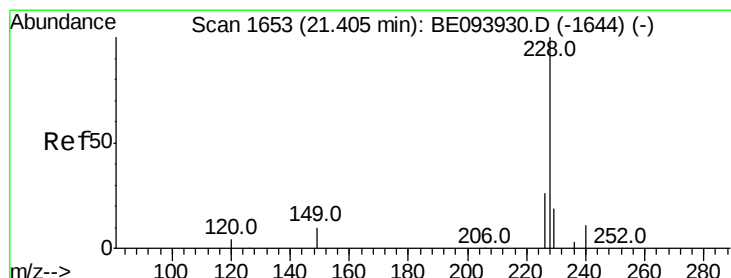
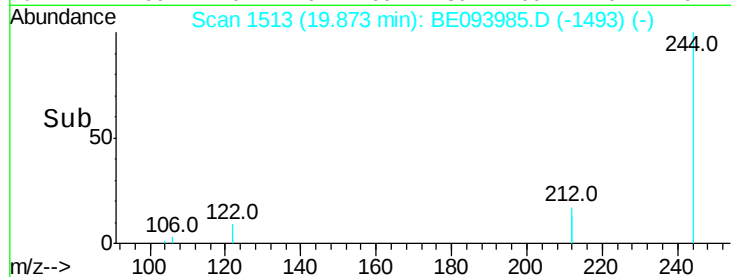
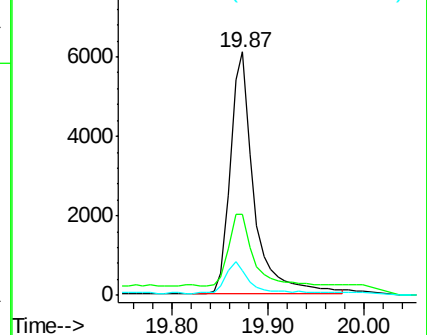
122 10.4 9.4 14.0



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: 0.195 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

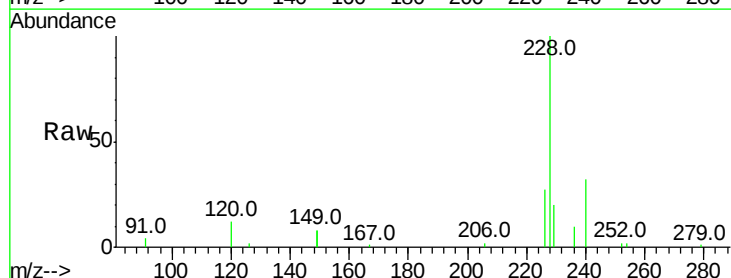
Tgt Ion:228 Resp: 13611

Ion Ratio Lower Upper

228 100

226 27.4 20.8 31.2

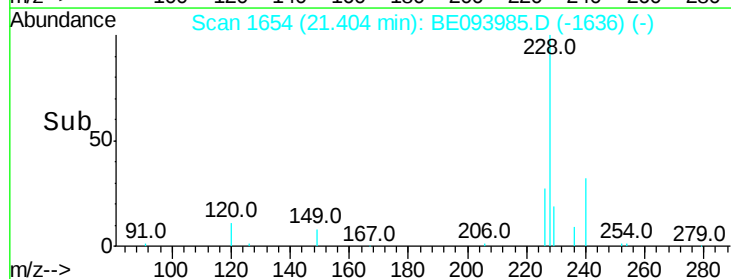
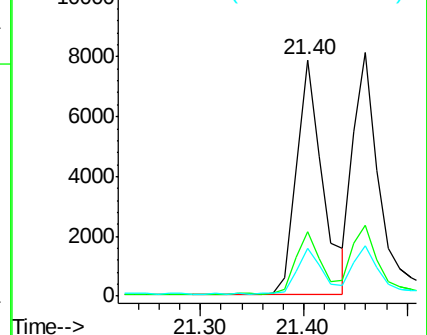
229 20.0 16.6 25.0

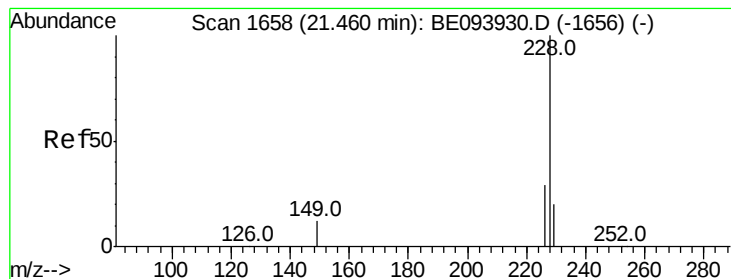


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.193 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampled :

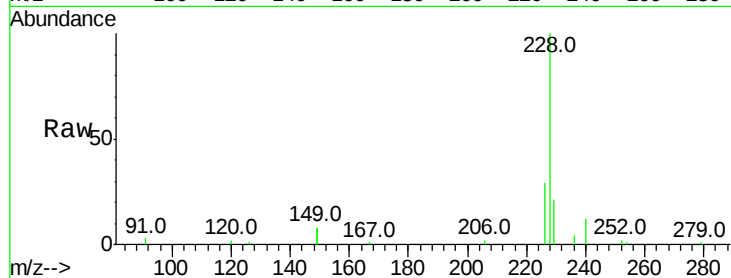
Tot Ion:228 Resp: 14216

Ion Ratio Lower Upper

228 100

226 29.1 24.6 37.0

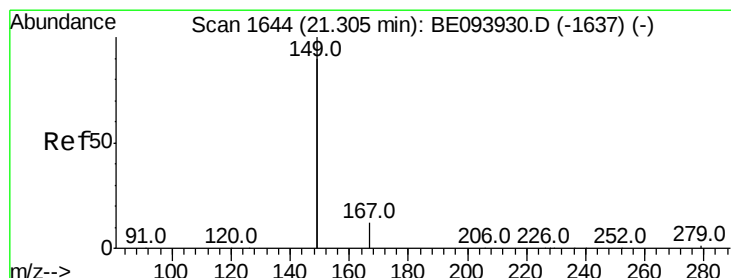
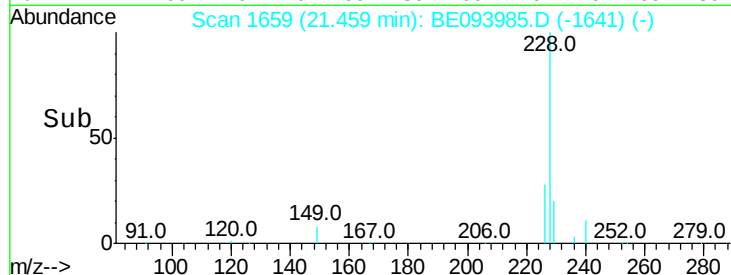
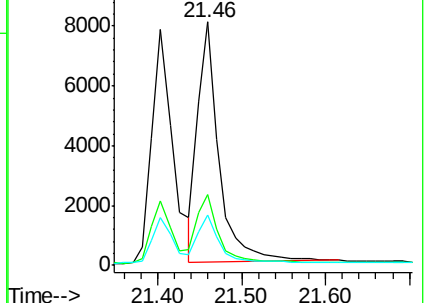
229 20.8 15.8 23.8



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: 0.166 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

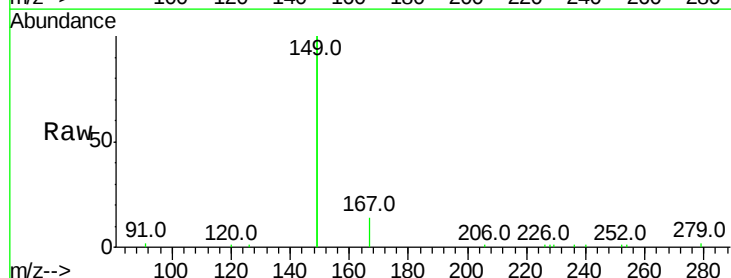
Tgt Ion:149 Resp: 28187

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

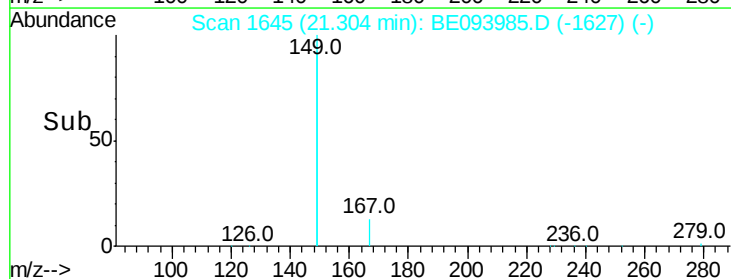
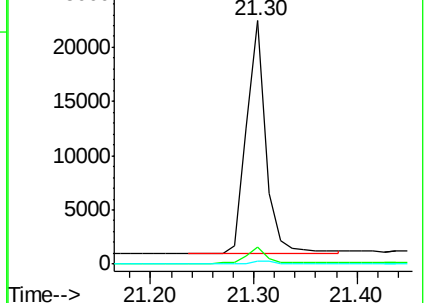
279 0.9 0.7 1.1



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: 0.168 ng

RT: 26.61 min Scan# 2711

Delta R.T. 0.00 min

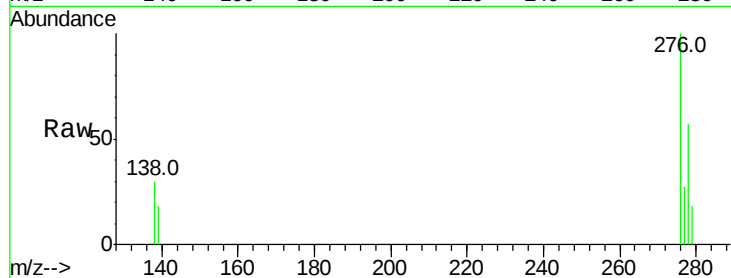
Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :



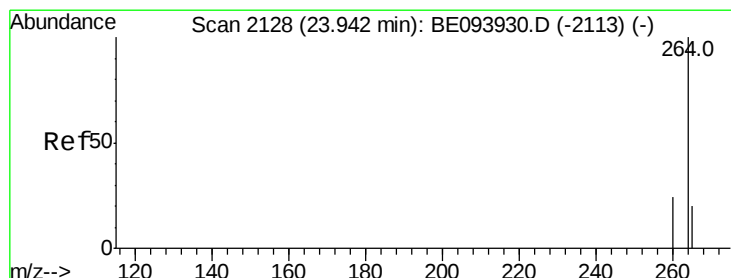
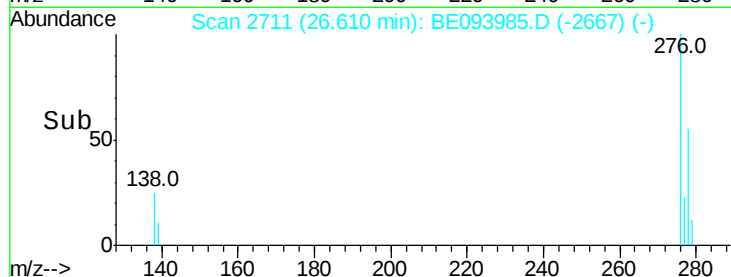
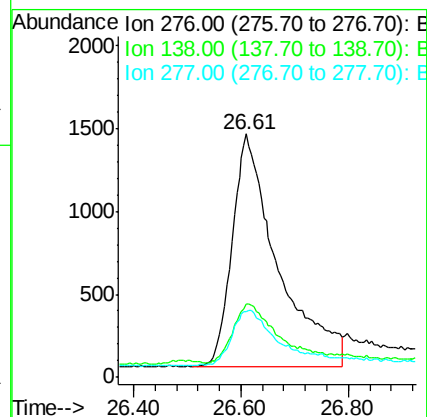
Tot Ion:276 Resp: 8259

Ion Ratio Lower Upper

276 100

138 22.7 22.2 33.2

277 24.9 19.5 29.3



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

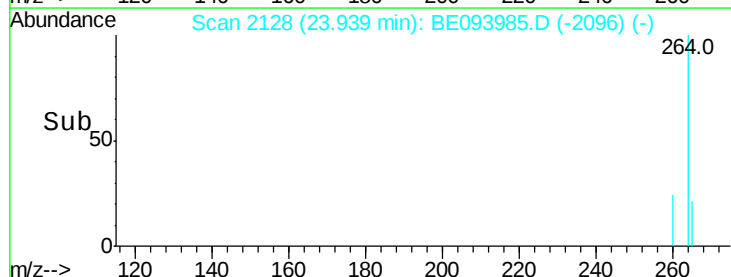
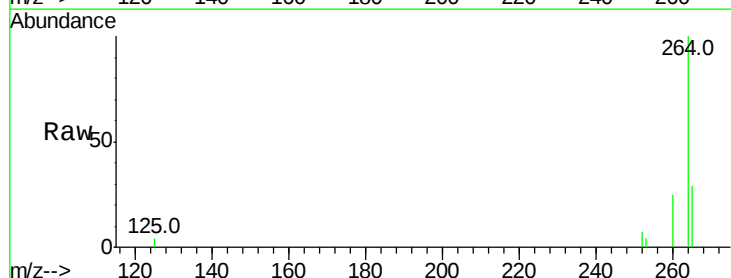
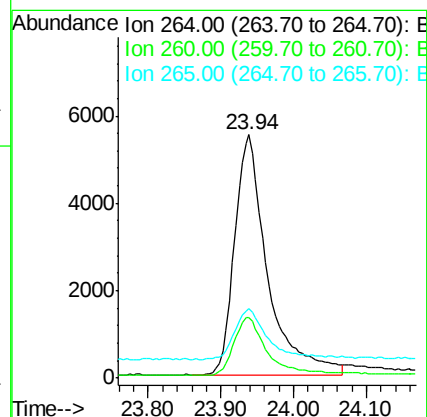
Tgt Ion:264 Resp: 17299

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

265 28.6 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.200 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

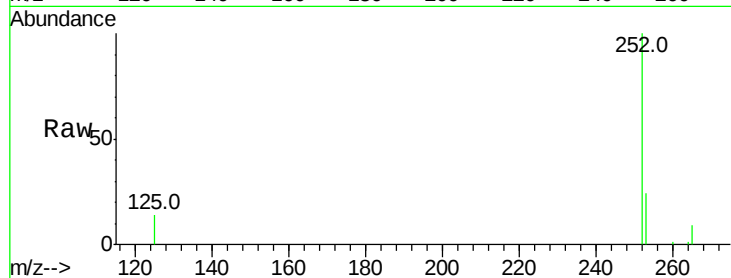
Tot Ion:252 Resp: 11014

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.0

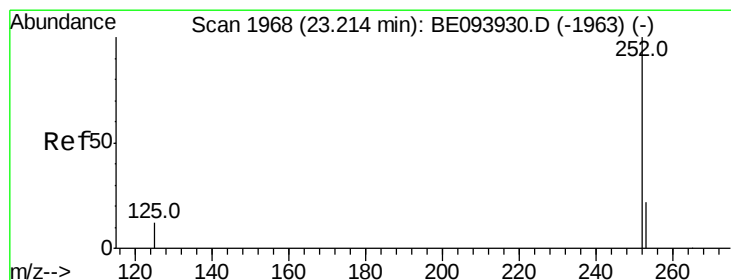
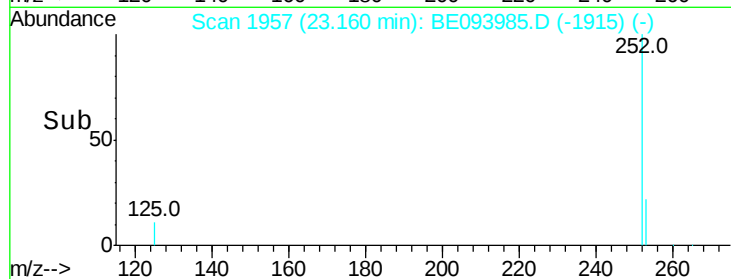
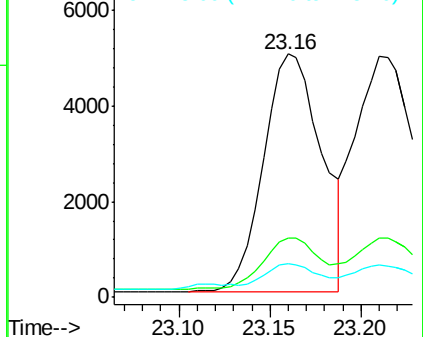
125 13.7 10.0 15.0



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: 0.207 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

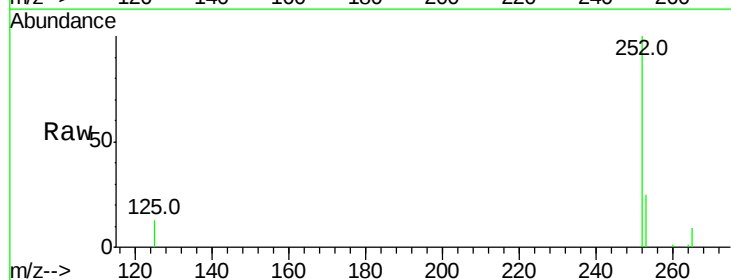
Tgt Ion:252 Resp: 13944

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

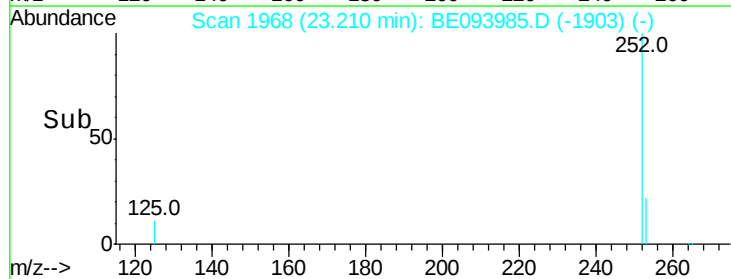
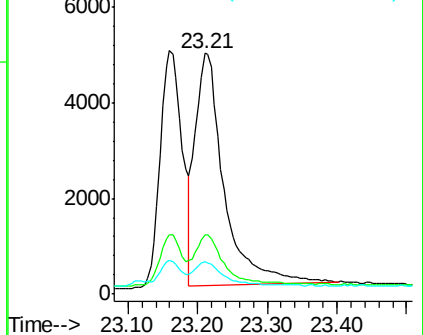
125 13.4 9.8 14.6

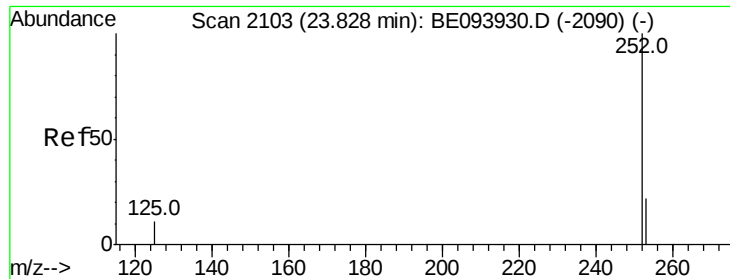


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.204 ng

RT: 23.82 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :

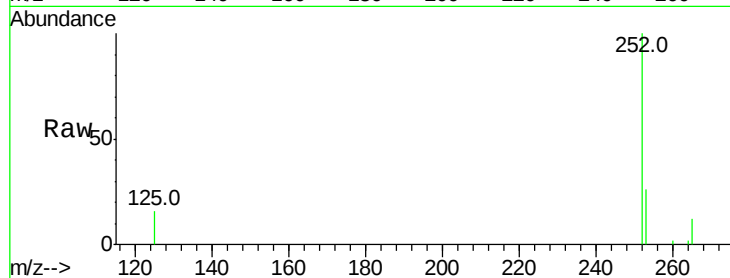
Tot Ion:252 Resp: 11450

Ion Ratio Lower Upper

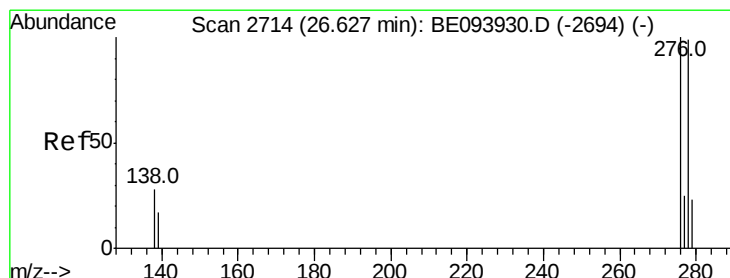
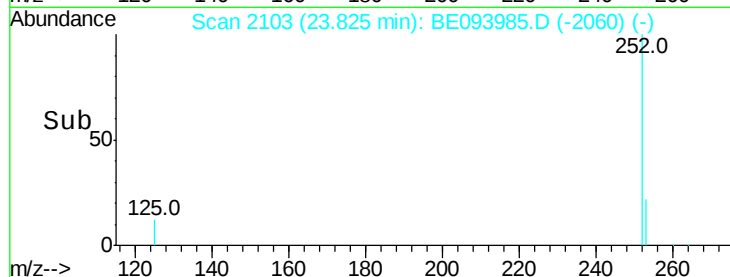
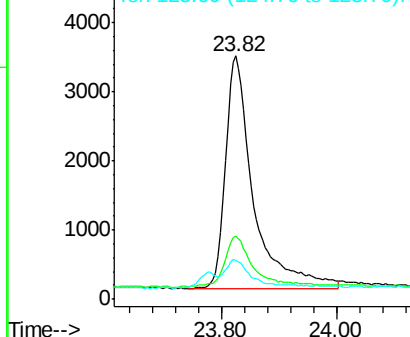
252 100

253 25.9 19.6 29.4

125 16.1 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: 0.162 ng

RT: 26.63 min Scan# 2716

Delta R.T. 0.01 min

Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

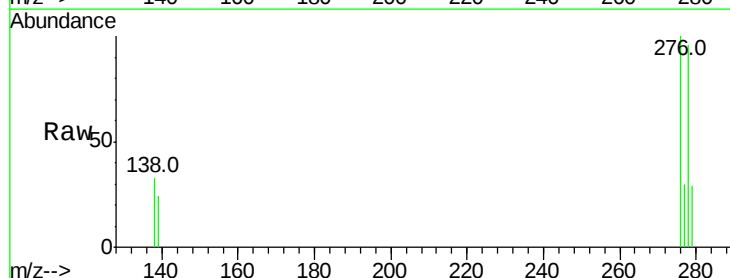
Tgt Ion:278 Resp: 6019

Ion Ratio Lower Upper

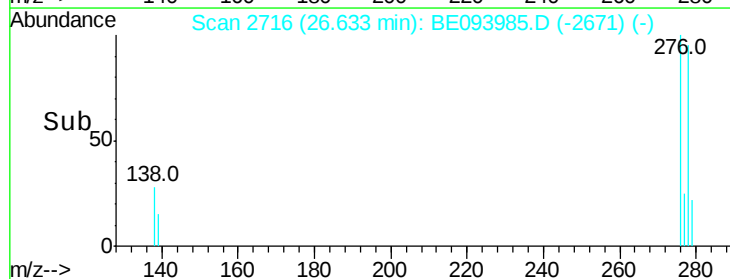
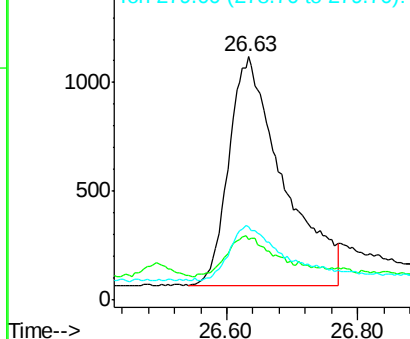
278 100

139 24.8 16.7 25.1

279 30.1 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: 0.187 ng

RT: 27.42 min Scan# 2889

Delta R.T. -0.00 min

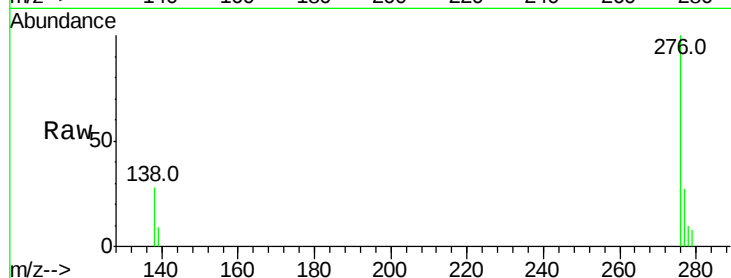
Lab File: BE093985.D

Acq: 13 Sep 2017 12:35

Instrument :

BNA_E

ClientSampleId :



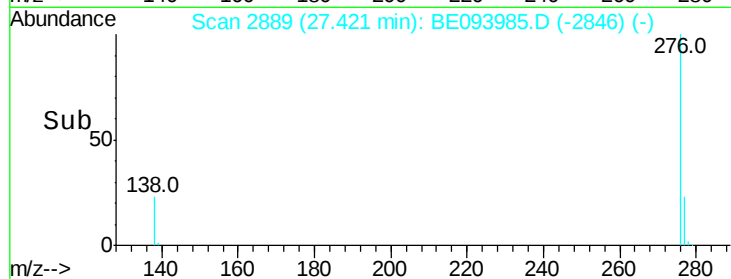
Tot Ion:276 Resp: 7321

Ion Ratio Lower Upper

276 100

277 27.5 20.6 30.8

138 27.6 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

