

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095940.D
 Acq On : 4 Apr 2018 10:51
 Operator : SJ/JU
 Sample : PB107954BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 05 02:46:39 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	1418	0.40	ng	-0.02
7) Naphthalene-d8	11.24	136	5112	0.40	ng	-0.01
13) Acenaphthene-d10	14.99	164	2549	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5515	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6413	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6587	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1569	0.34	ng	0.00
5) Phenol-d6	7.56	99	2102	0.33	ng	0.00
8) Nitrobenzene-d5	9.59	82	2070	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2744	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	370	0.25	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	3974	0.37	ng	-0.01
25) Fluoranthene-d10	19.68	212	25986	0.32	ng	0.00
29) Terphenyl-d14	20.24	244	4610	0.34	ng	0.00

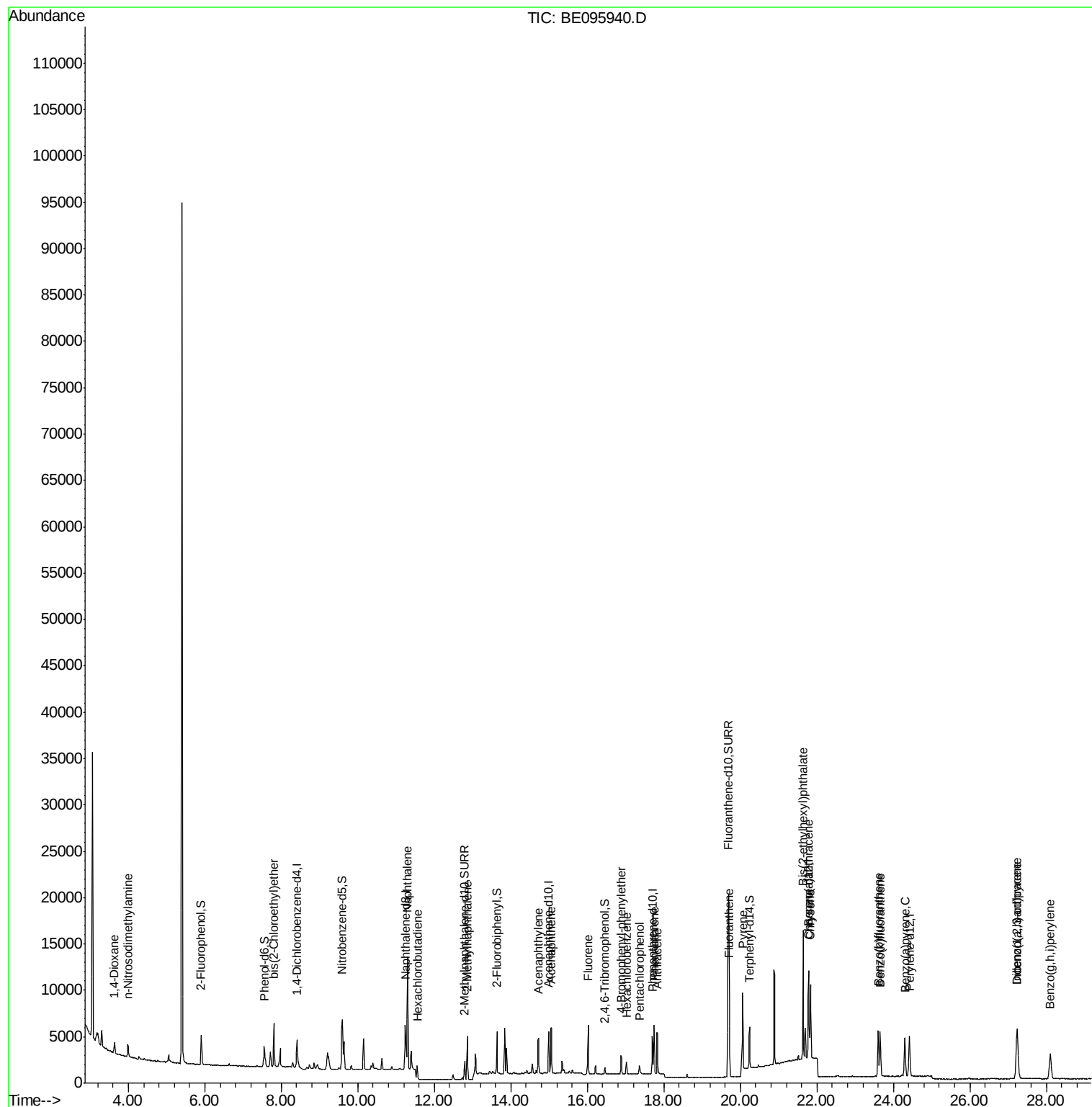
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	707	0.305	ng	# 80
3) n-Nitrosodimethylamine	3.98	42	944	0.277	ng	# 85
6) bis(2-Chloroethyl)ether	7.81	93	1710	0.308	ng	97
9) Naphthalene	11.30	128	19196	0.329	ng	99
10) Hexachlorobutadiene	11.55	225	1295	0.323	ng	98
12) 2-Methylnaphthalene	12.86	142	3222	0.323	ng	98
16) Acenaphthylene	14.73	152	4680	0.321	ng	99
17) Acenaphthene	15.06	154	2770	0.312	ng	95
18) Fluorene	16.02	166	3467	0.296	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1057	0.319	ng	# 77
21) Hexachlorobenzene	17.02	284	1094	0.330	ng	# 82
22) Pentachlorophenol	17.36	266	571	0.588	ng	# 75
23) Phenanthrene	17.74	178	5451	0.330	ng	99
24) Anthracene	17.84	178	5356	0.324	ng	95
26) Fluoranthene	19.71	202	7138	0.311	ng	97
28) Pyrene	20.06	202	8417	0.322	ng	96
30) Benzo(a)anthracene	21.78	228	7465	0.336	ng	97
31) Chrysene	21.83	228	7137	0.352	ng	98
32) Bis(2-ethylhexyl)phthalate	21.65	149	18623	0.274	ng	99
33) Indeno(1,2,3-cd)pyrene	27.23	276	7969	0.364	ng	94
35) Benzo(b)fluoranthene	23.60	252	7317	0.336	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	7224	0.331	ng	# 92
37) Benzo(a)pyrene	24.30	252	7062	0.346	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	6465	0.333	ng	97
39) Benzo(g,h,i)perylene	28.10	276	6815	0.350	ng	# 91

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

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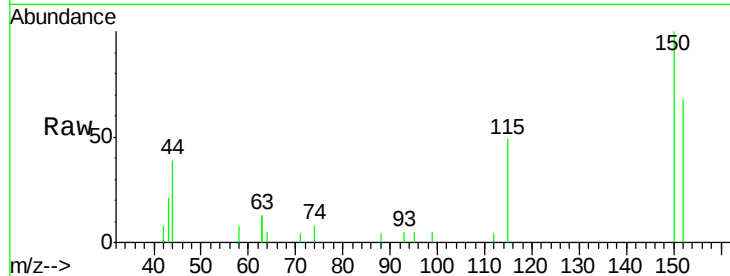


#1

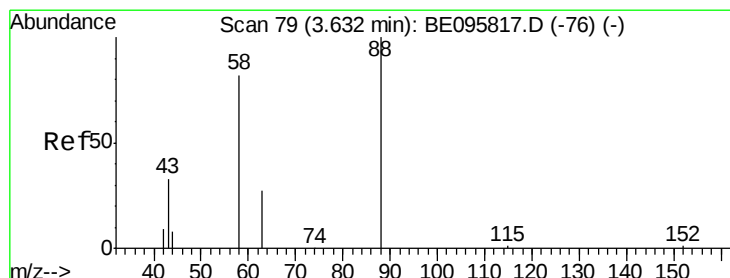
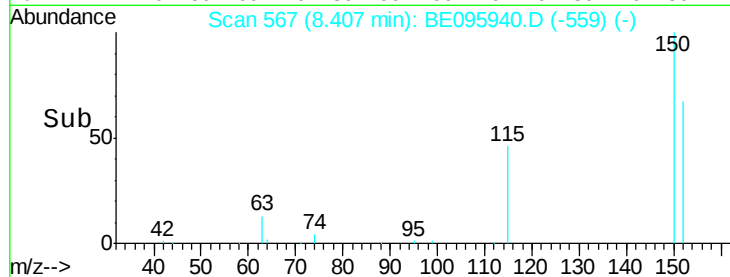
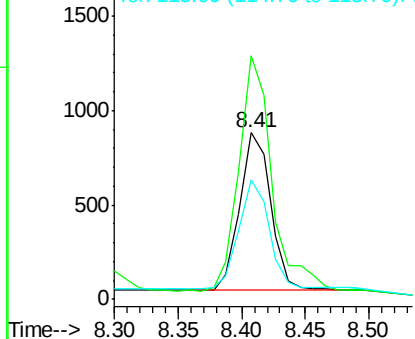
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.41 min Scan# 567
Delta R.T. -0.02 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1418
Ion Ratio Lower Upper
152 100
150 146.4 117.2 175.8
115 71.4 57.0 85.6



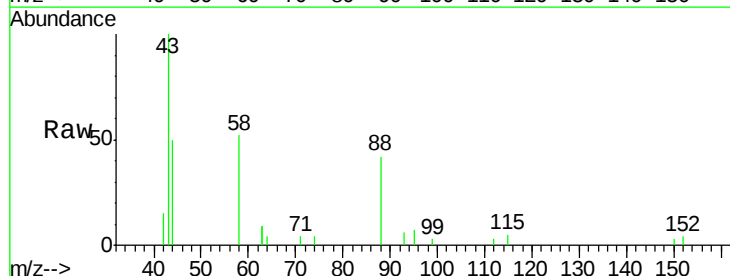
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



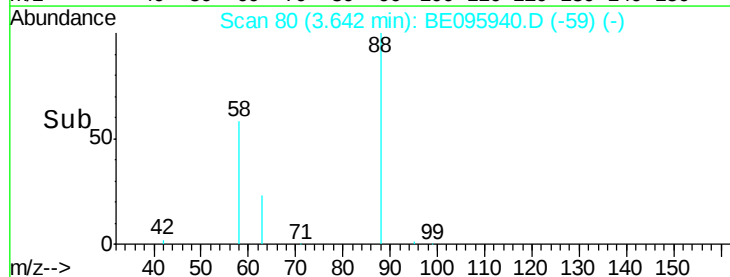
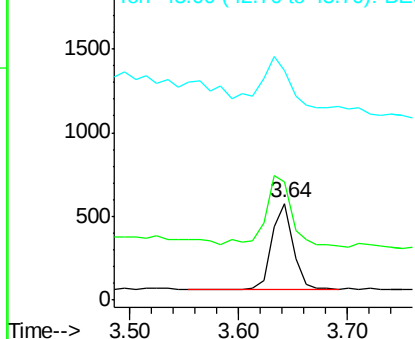
#2

1,4-Dioxane
Concen: 0.305 ng
RT: 3.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion: 88 Resp: 707
Ion Ratio Lower Upper
88 100
58 95.9 63.2 94.8#
43 65.8 41.2 61.8#



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



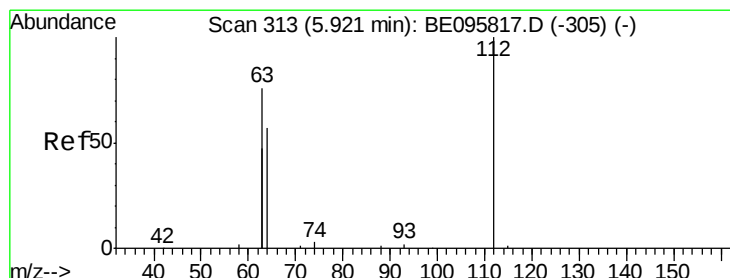
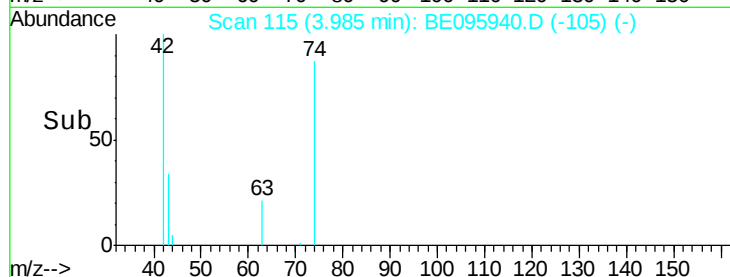
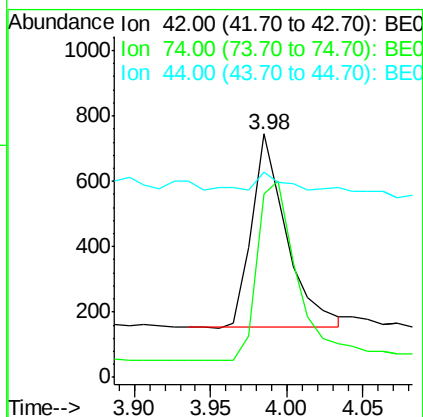
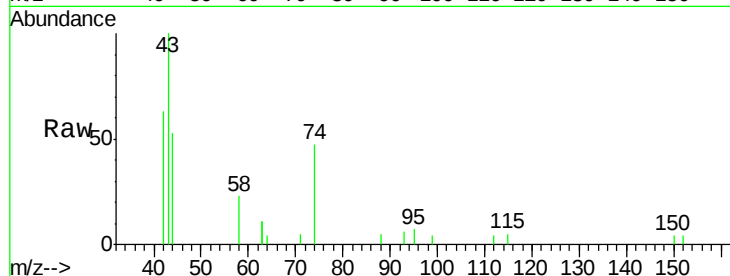


#3

n-Nitrosodimethylamine
 Concen: 0.277 ng
 RT: 3.98 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Instrument :
 BNA_E
 ClientSampleId :

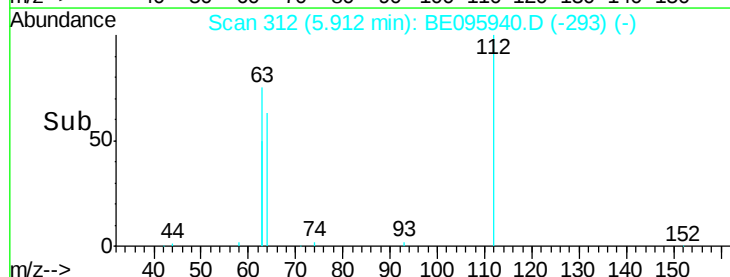
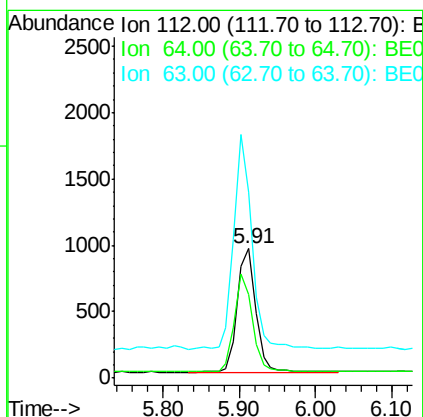
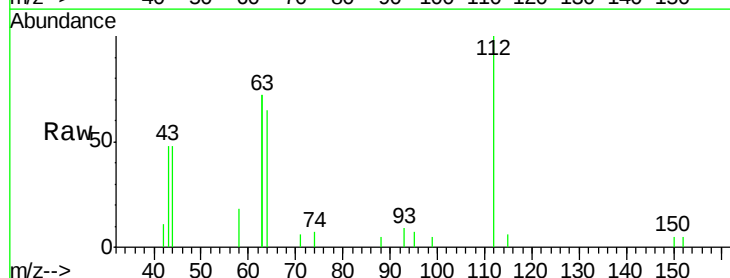
Tot Ion	Ratio	Lower	Upper
42	100		
74	104.1	96.0	144.0
44	4.8	12.0	18.0

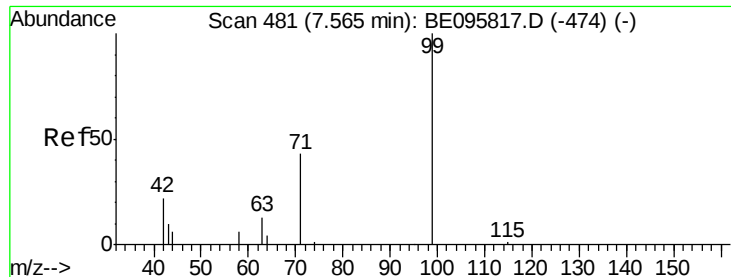


#4

2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.0	60.1	90.1
63	167.6	116.8	175.2





#5

Phenol-d6

Concen: 0.327 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

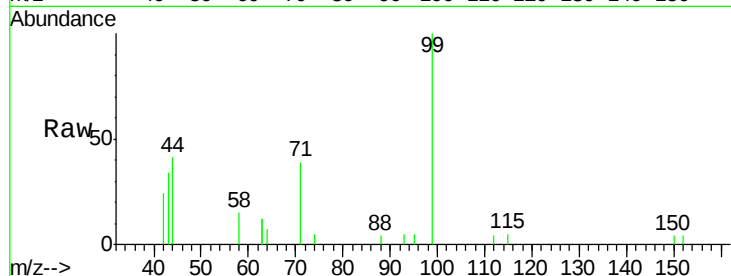
Tot Ion: 99 Resp: 2102

Ion Ratio Lower Upper

99 100

42 27.2 20.2 30.2

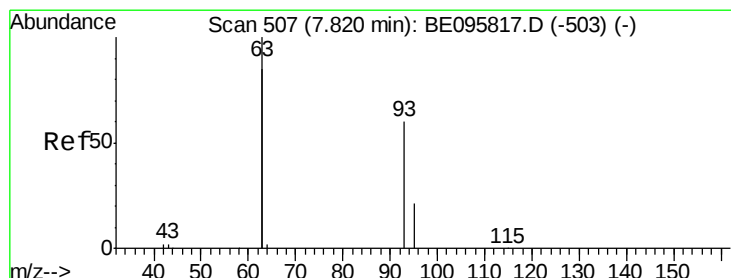
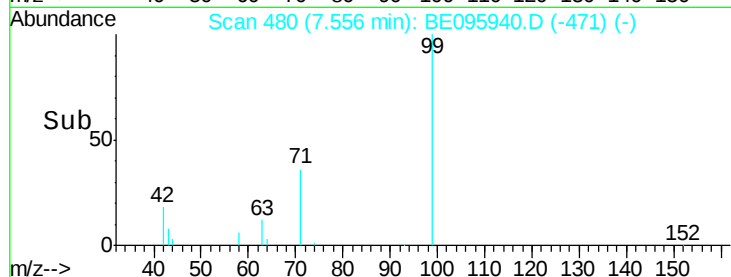
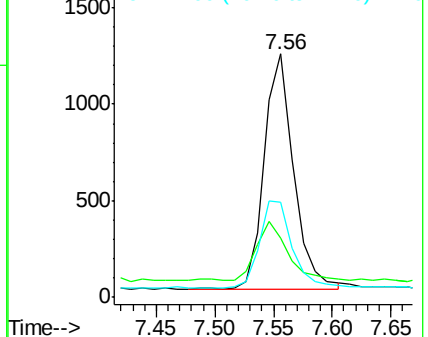
71 40.7 28.4 42.6



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: 0.308 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

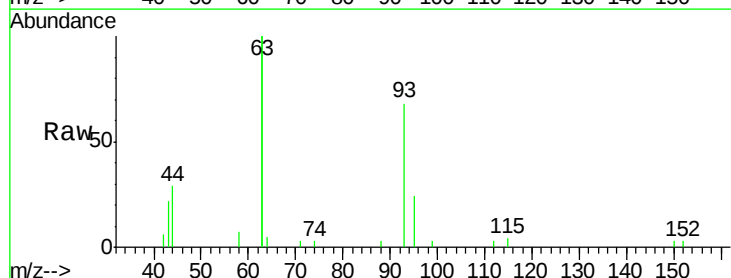
Tgt Ion: 93 Resp: 1710

Ion Ratio Lower Upper

93 100

63 338.3 275.3 412.9

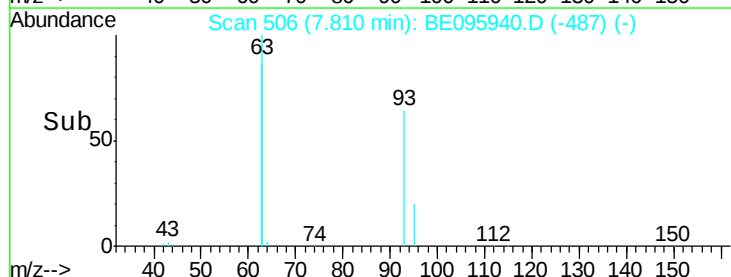
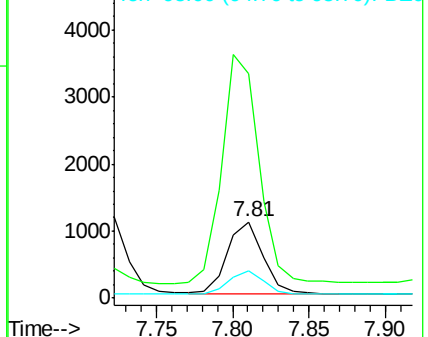
95 32.2 25.2 37.8

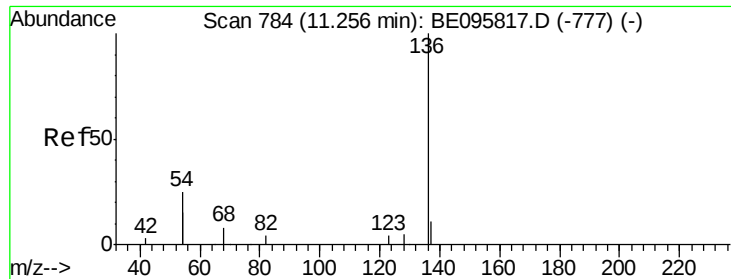


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.24 min Scan# 783

Delta R.T. -0.01 min

Lab File: BE095940.D

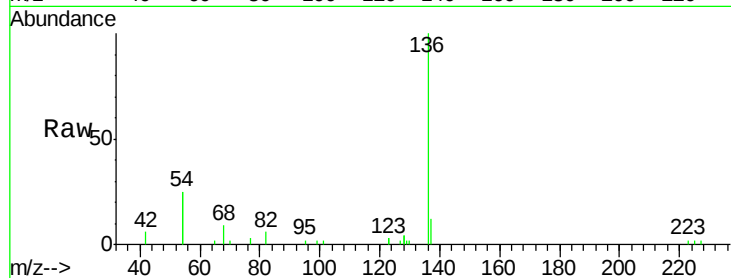
Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	5112
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.5 14.3
54	50.0	29.1 43.7
68	8.7	6.2 9.2

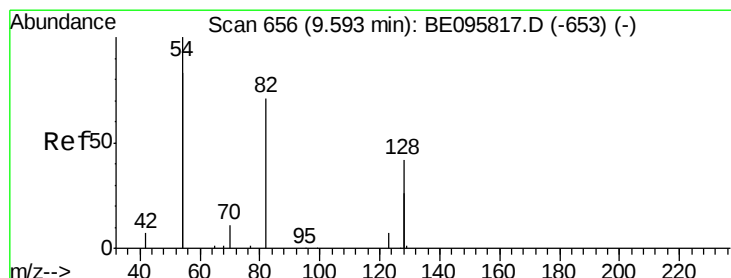
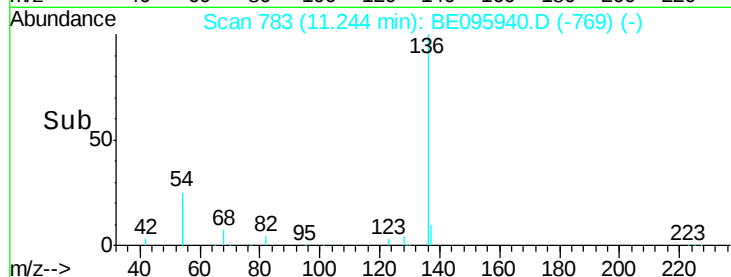
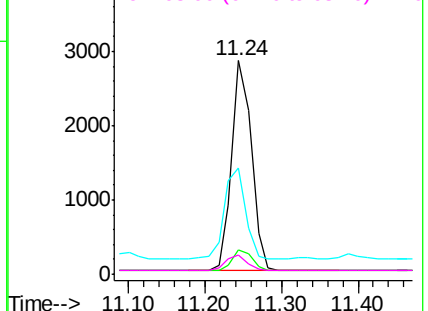


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.343 ng

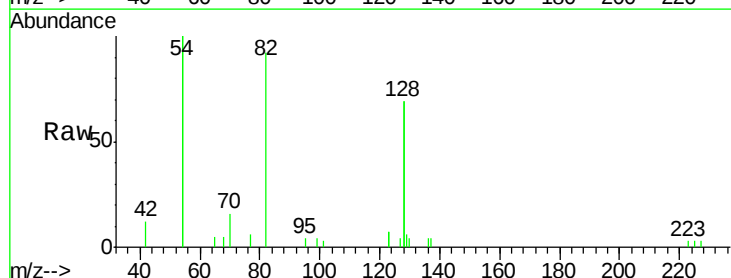
RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

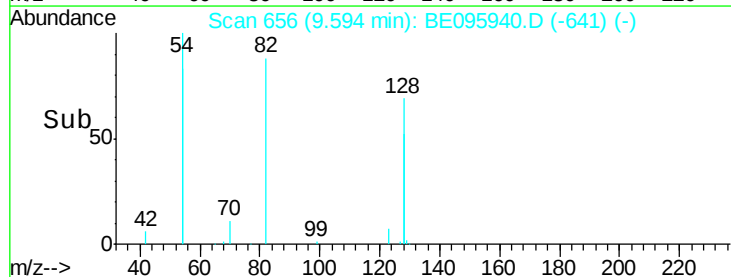
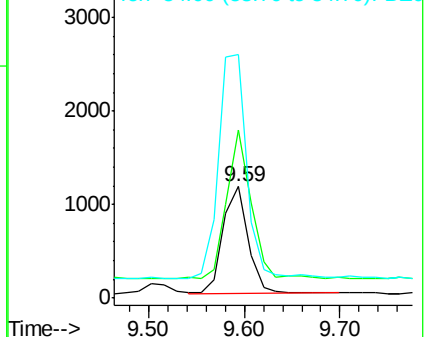
Tgt Ion: 82	Resp:	2070
Ion Ratio	Lower	Upper
82	100	
128	150.2	150.0 225.0
54	218.3	154.2 231.4



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: 0.329 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

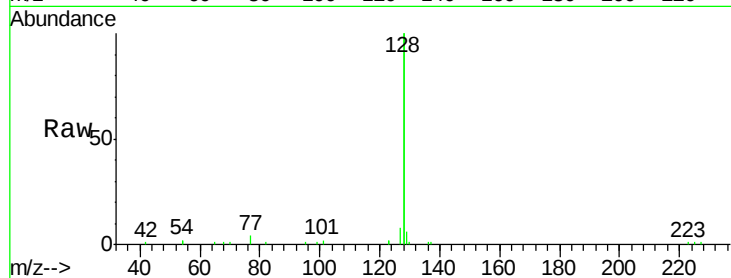
Tot Ion:128 Resp: 19196

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

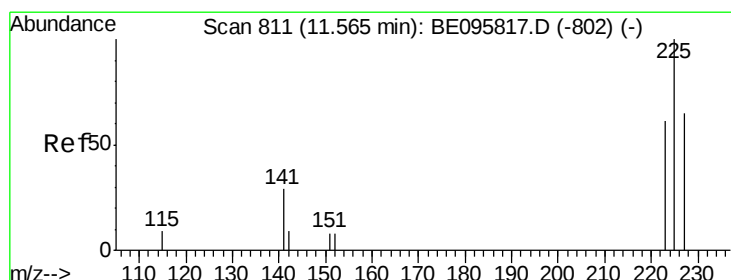
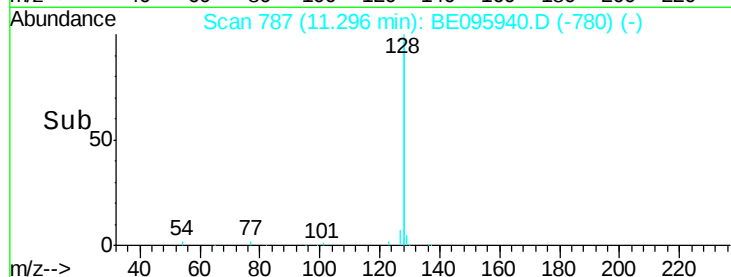
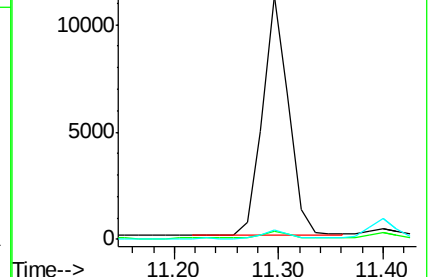
127 3.8 2.8 4.2



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: 0.323 ng

RT: 11.55 min Scan# 809

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

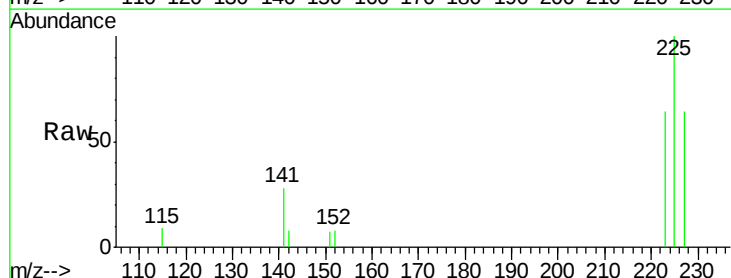
Tgt Ion:225 Resp: 1295

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

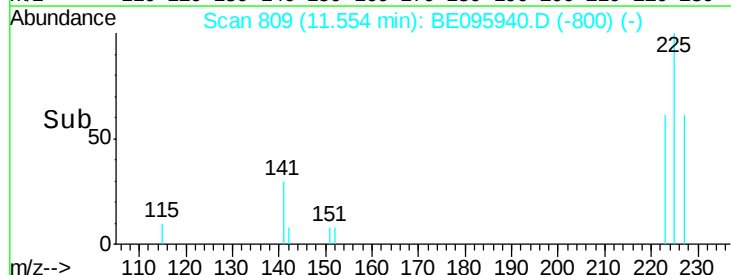
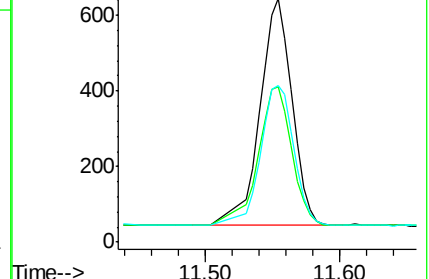
227 64.2 51.4 77.2

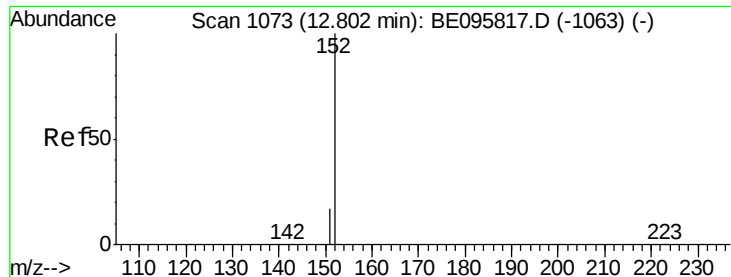


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

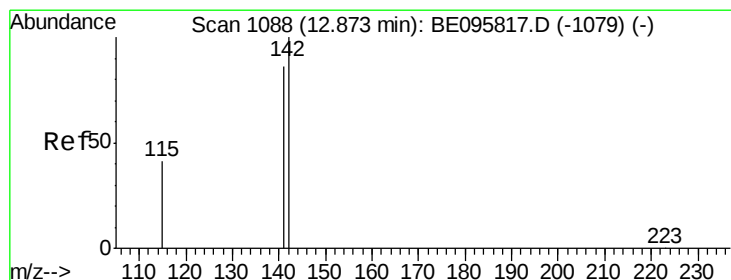
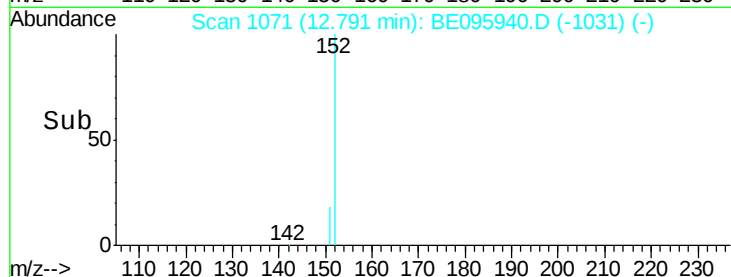
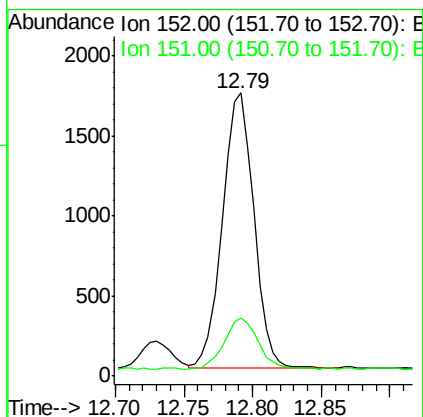
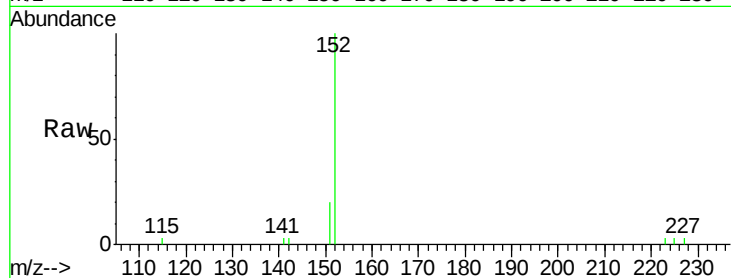




#11
 2-Methylnaphthalene-d10
 Concen: 0.322 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

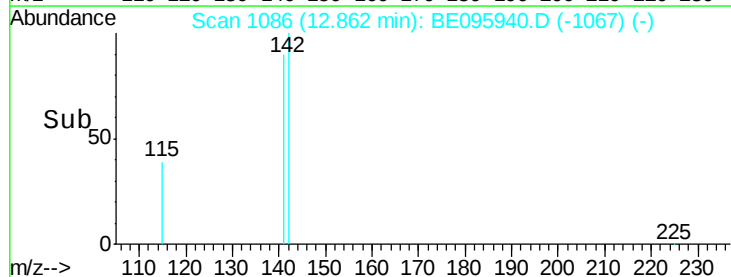
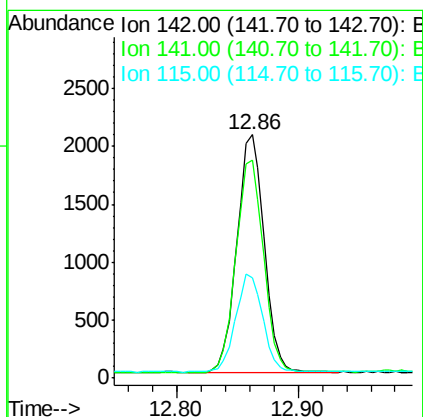
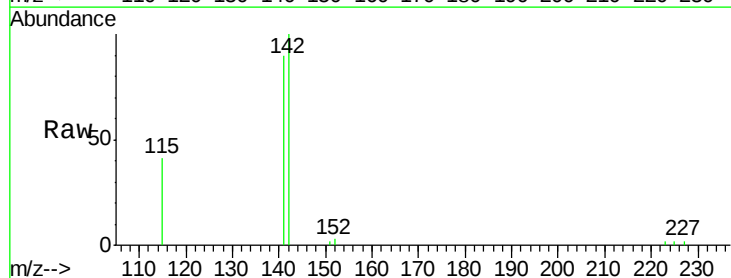
Instrument :
 BNA_E
 ClientSampleId :

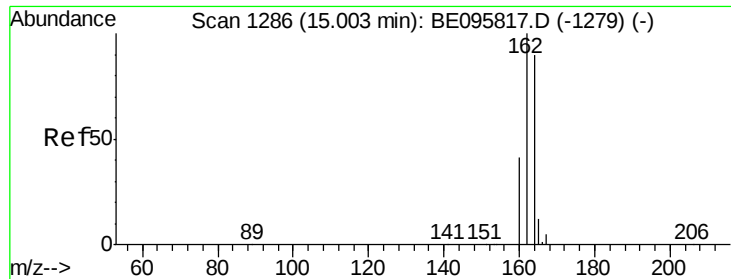
Tot Ion:152 Resp: 2744
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.323 ng
 RT: 12.86 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Tgt Ion:142 Resp: 3222
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.4 105.6
 115 41.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

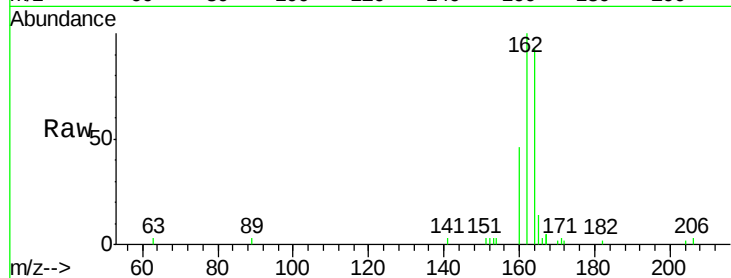
Tot Ion:164 Resp: 2549

Ion Ratio Lower Upper

164 100

162 107.6 83.1 124.7

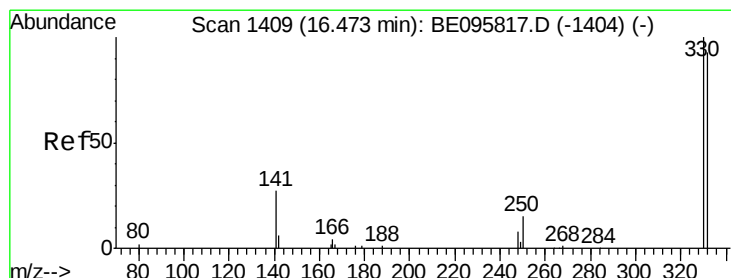
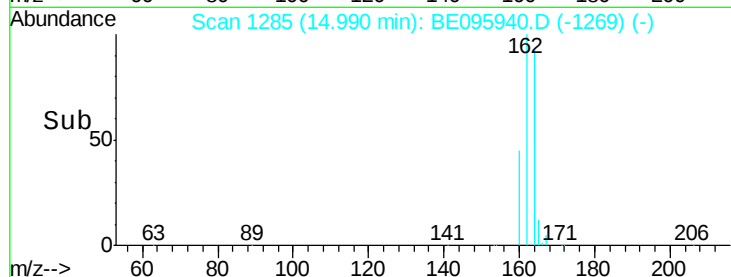
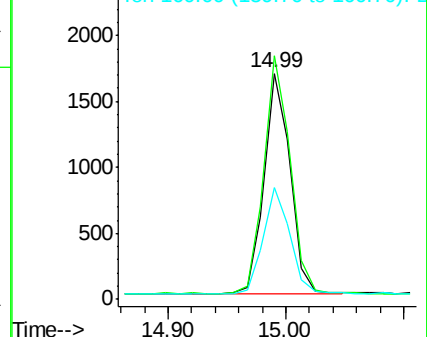
160 49.4 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.252 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

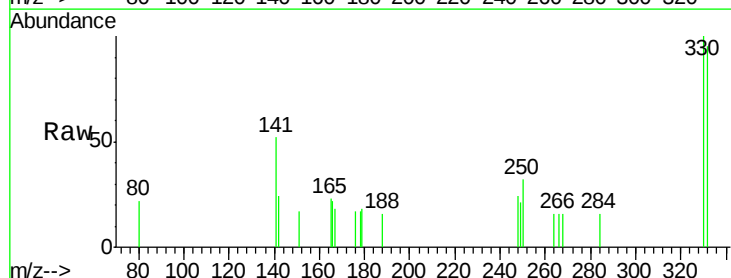
Tgt Ion:330 Resp: 370

Ion Ratio Lower Upper

330 100

332 98.1 152.7 229.1#

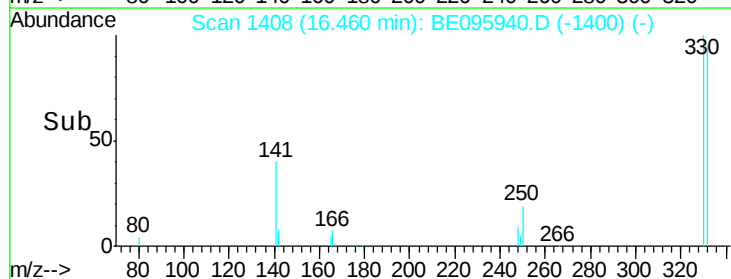
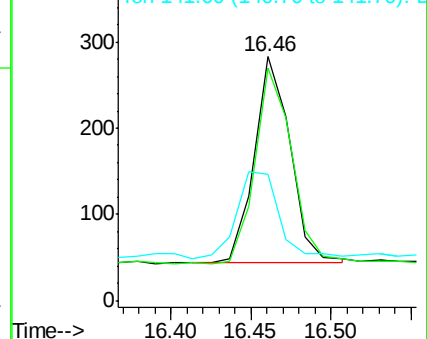
141 49.7 33.7 50.5

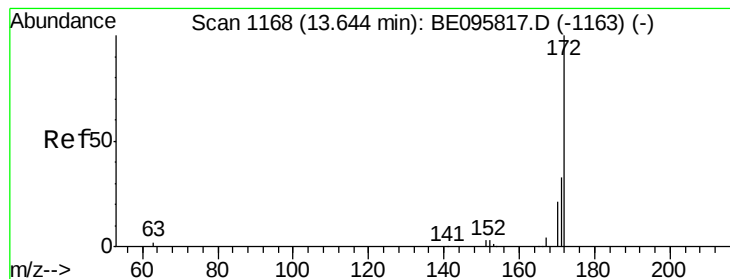


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

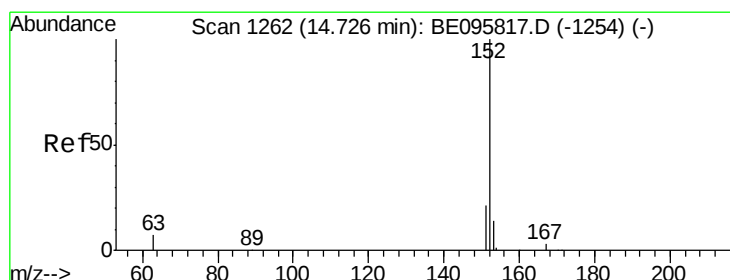
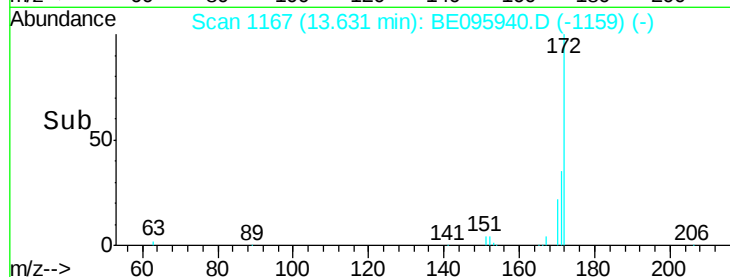
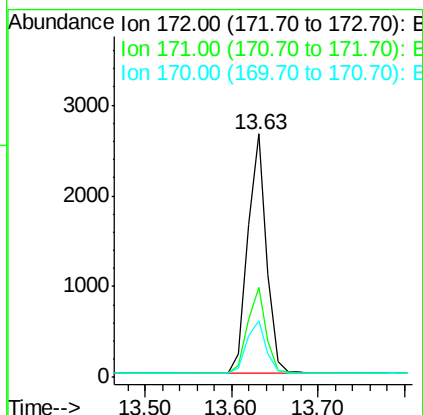
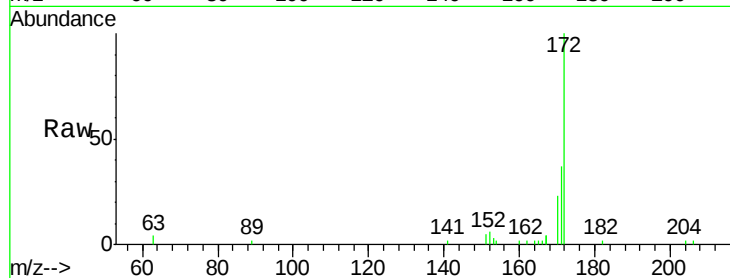




#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

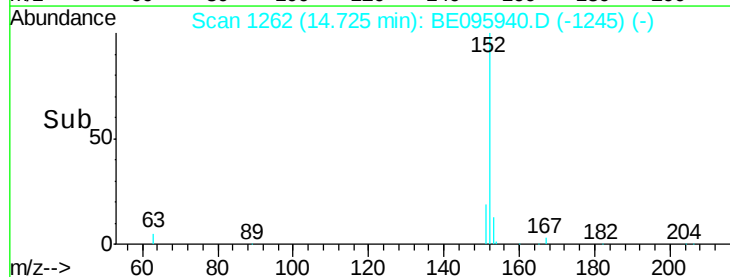
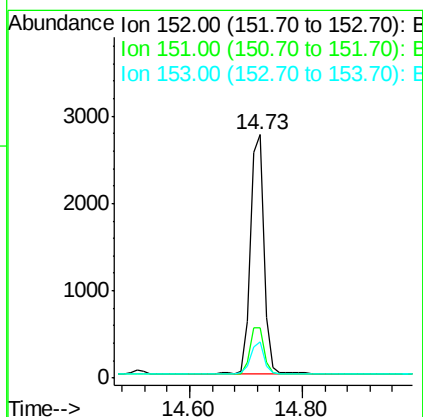
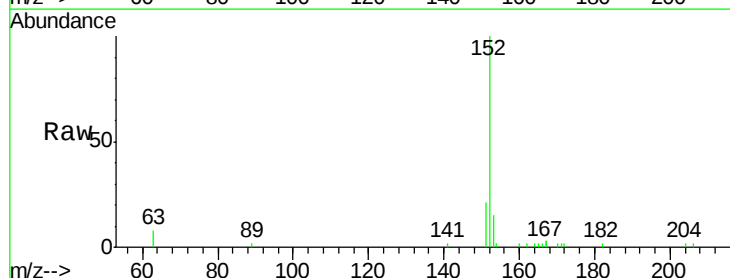
Instrument :
BNA_E
ClientSampleId :

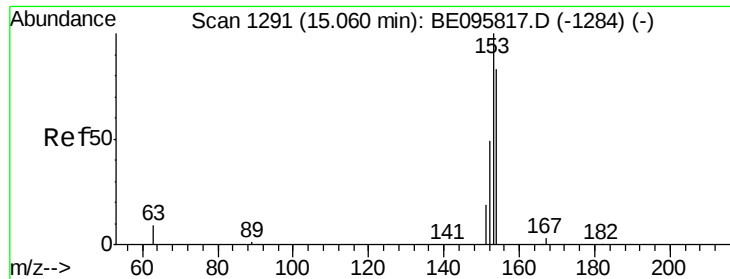
Tot Ion:172 Resp: 3974
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 23.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:152 Resp: 4680
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.1 10.5 15.7

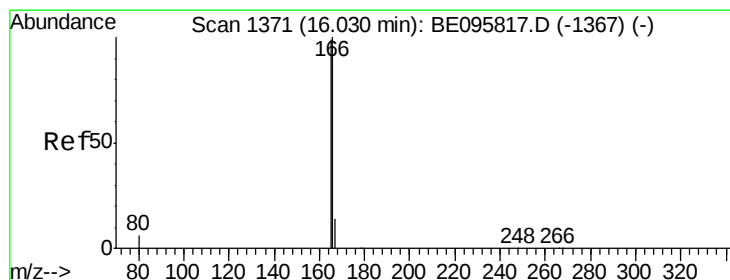
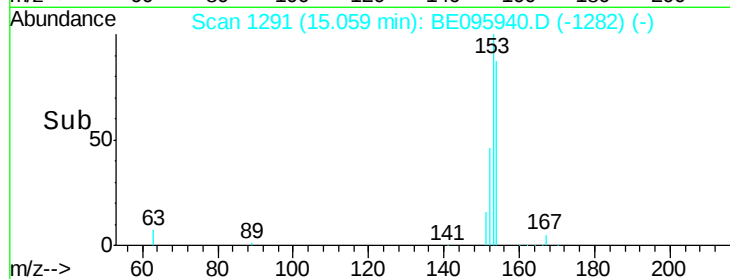
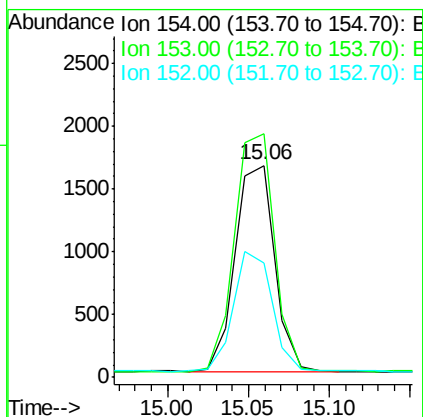
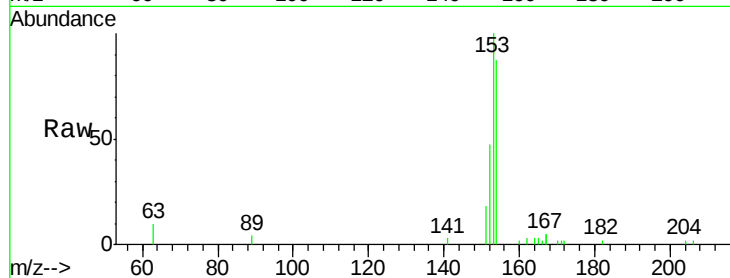




#17
Acenaphthene
Concen: 0.312 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

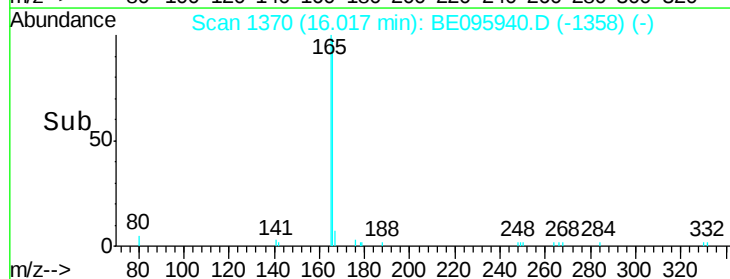
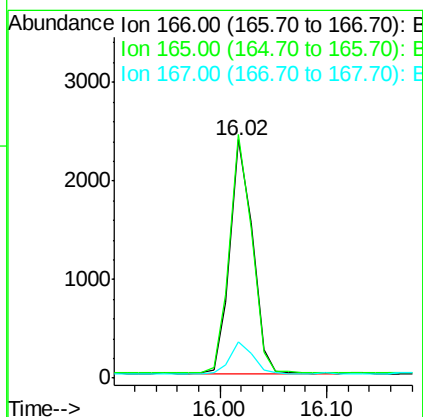
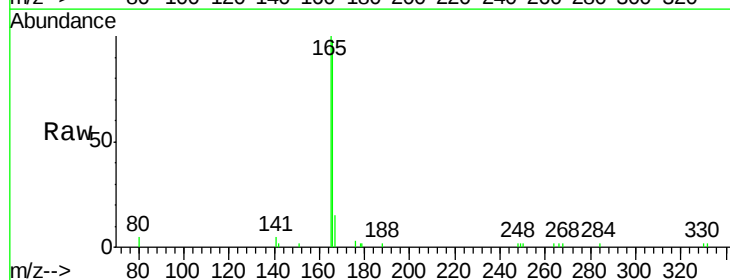
Instrument :
BNA_E
ClientSampleId :

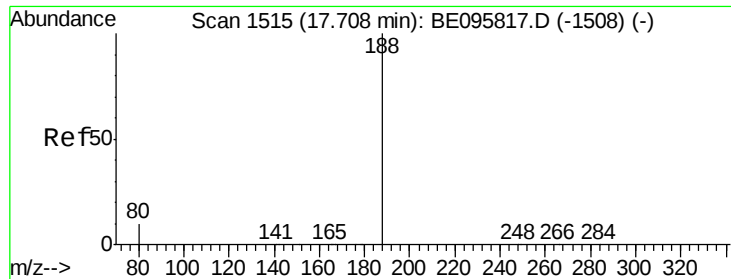
Tot Ion:154 Resp: 2770
Ion Ratio Lower Upper
154 100
153 116.5 89.2 133.8
152 57.0 42.0 63.0



#18
Fluorene
Concen: 0.296 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:166 Resp: 3467
Ion Ratio Lower Upper
166 100
165 100.7 77.8 116.6
167 13.6 42.4 63.6#

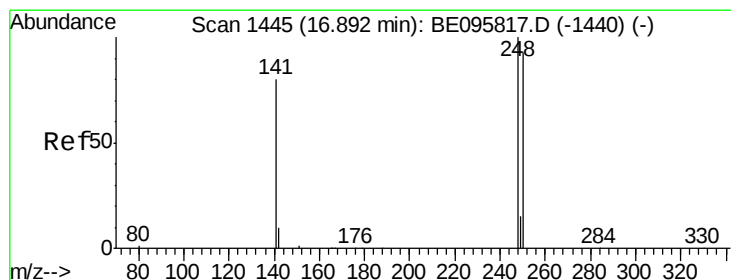
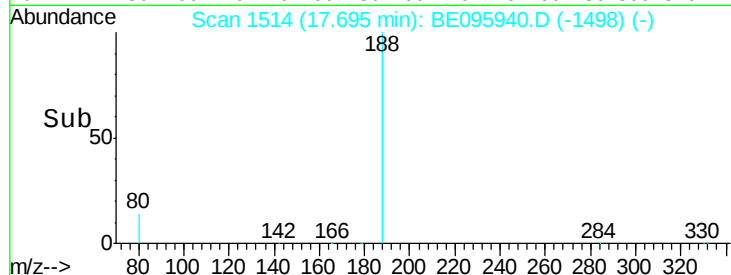
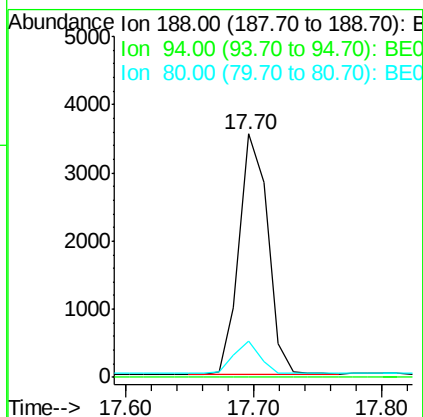
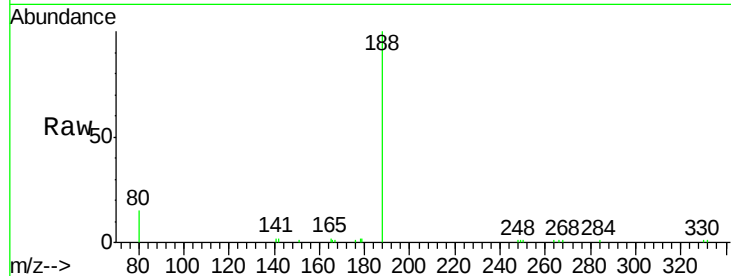




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

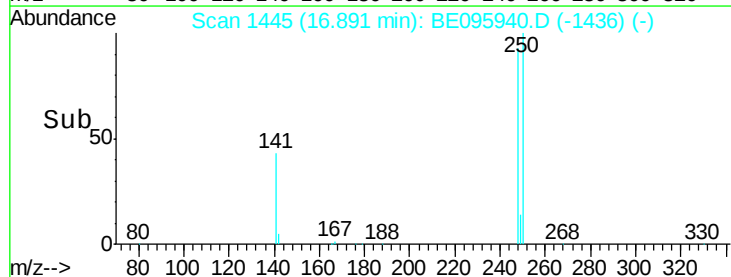
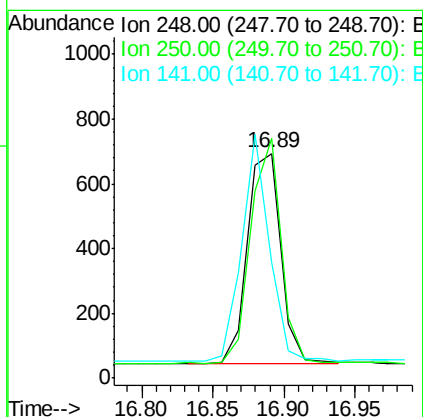
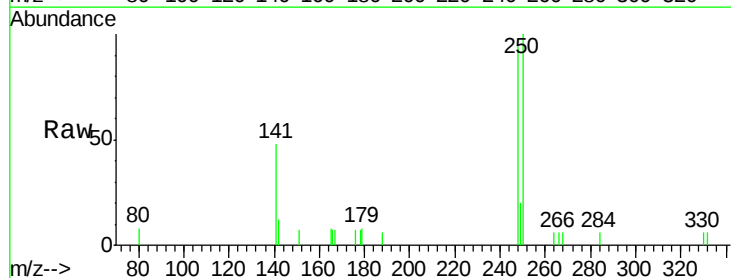
Instrument :
BNA_E
ClientSampleId :

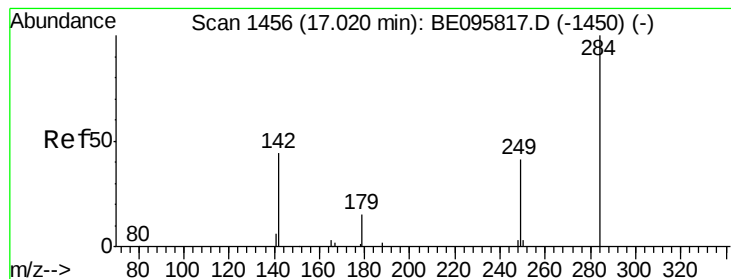
Tot Ion:188 Resp: 5515
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.1 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.319 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:248 Resp: 1057
Ion Ratio Lower Upper
248 100
250 106.5 62.7 94.1#
141 51.2 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.330 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

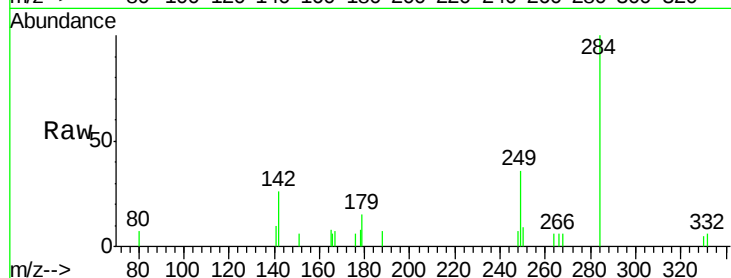
Tot Ion:284 Resp: 1094

Ion Ratio Lower Upper

284 100

142 43.1 22.1 33.1#

249 36.8 34.8 52.2

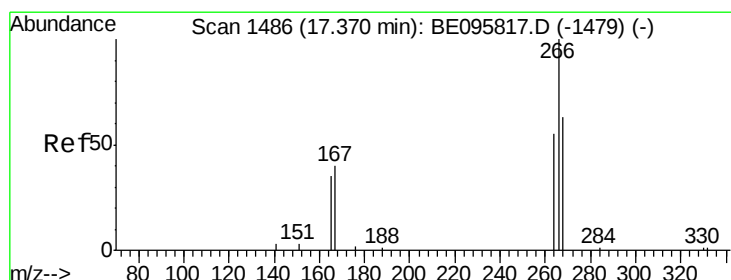
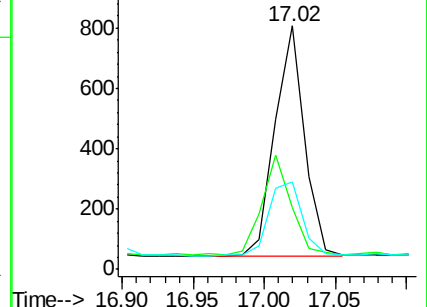
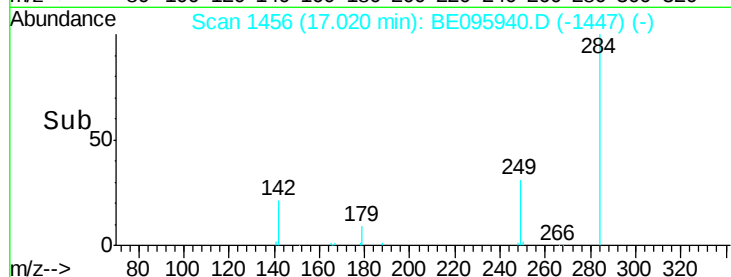


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time--> 16.90 16.95 17.00 17.05



#22

Pentachlorophenol

Concen: 0.588 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

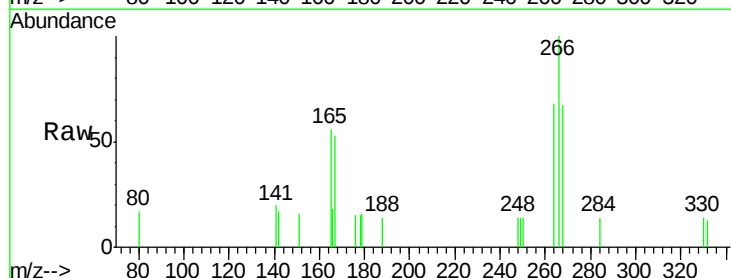
Tgt Ion:266 Resp: 571

Ion Ratio Lower Upper

266 100

264 68.1 72.5 108.7#

268 67.5 73.8 110.6#

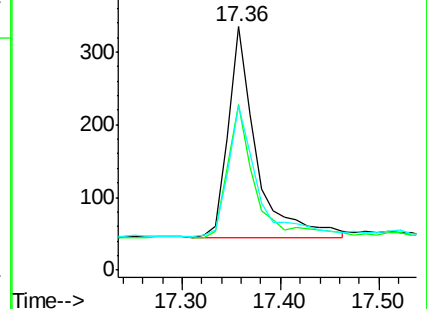
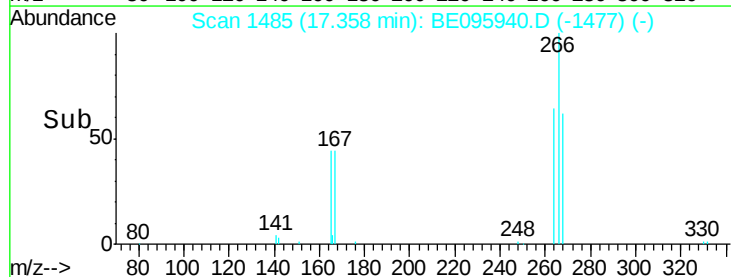


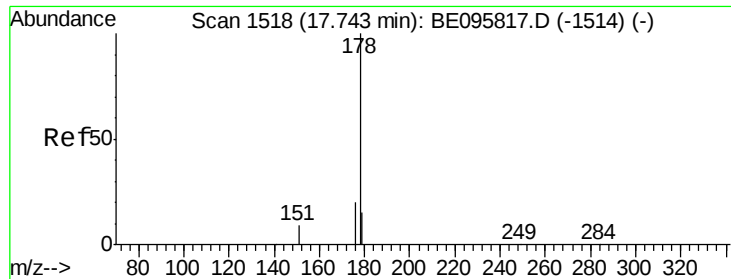
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time--> 17.30 17.40 17.50





#23

Phenanthrene

Concen: 0.330 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

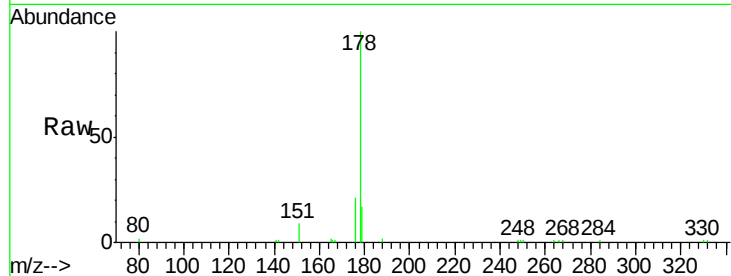
Tot Ion:178 Resp: 5451

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

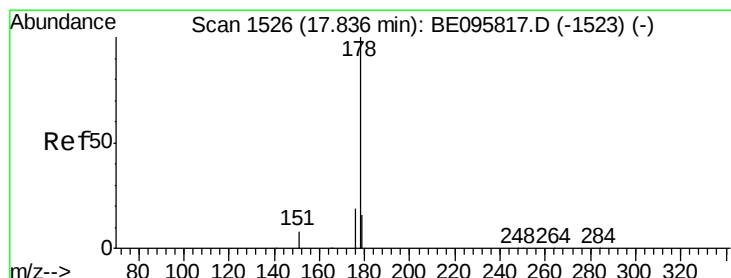
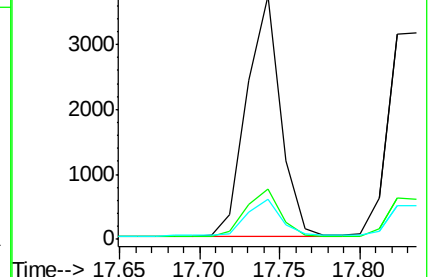
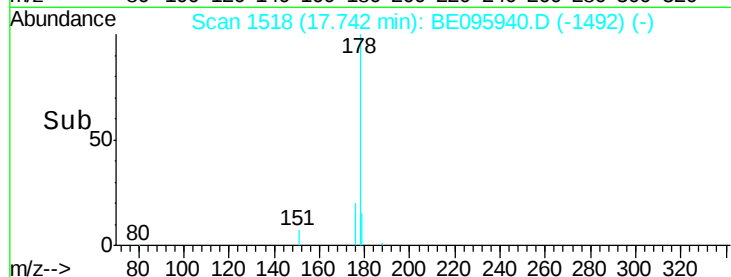
179 14.9 11.8 17.6



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: 0.324 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

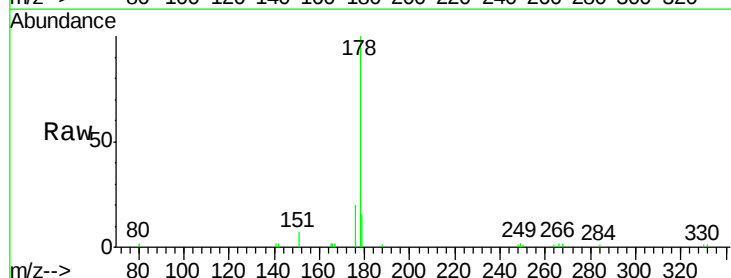
Tgt Ion:178 Resp: 5356

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

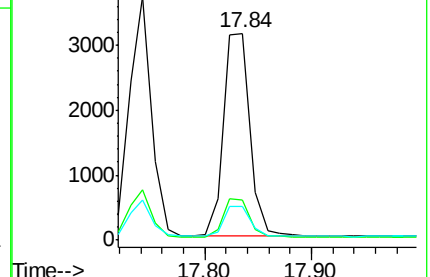
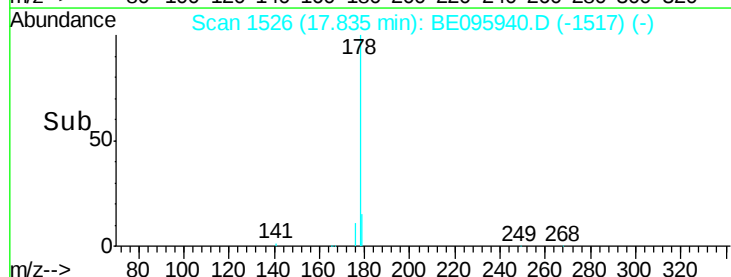
179 15.1 13.0 19.6

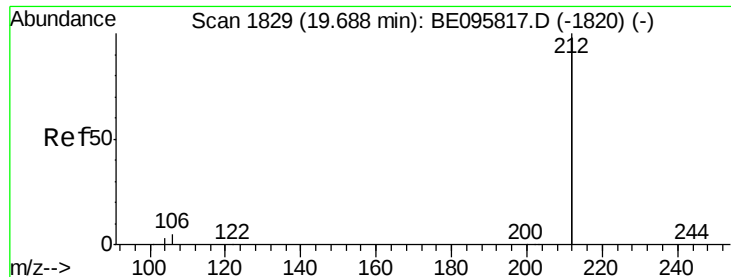


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

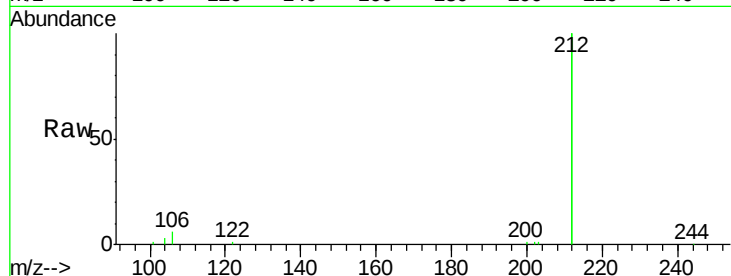
Tot Ion:212 Resp: 25986

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

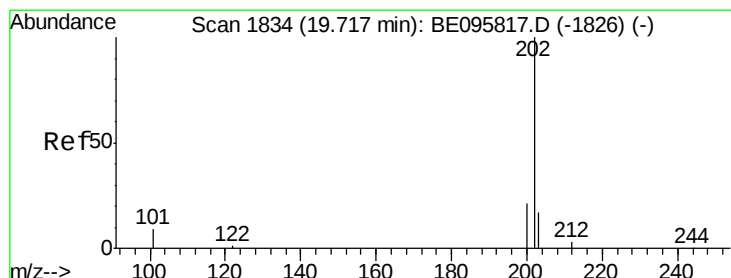
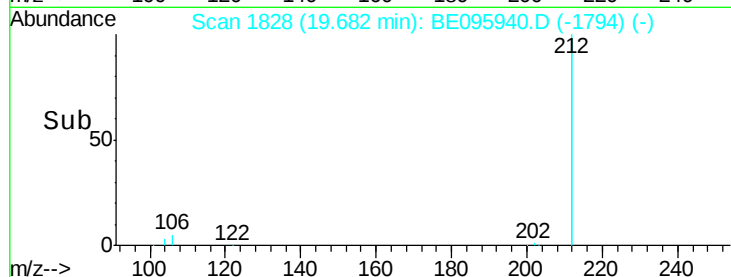
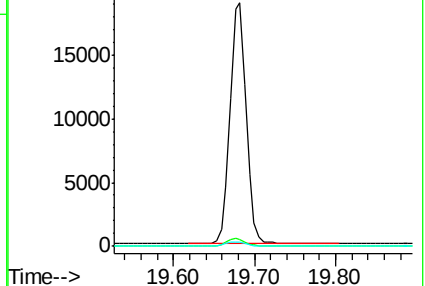
104 1.7 1.6 2.4



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: 0.311 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

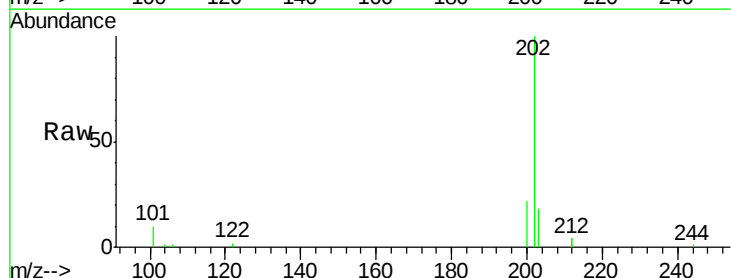
Tgt Ion:202 Resp: 7138

Ion Ratio Lower Upper

202 100

101 10.2 9.8 14.8

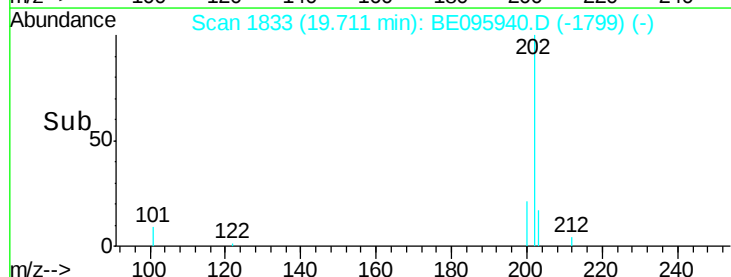
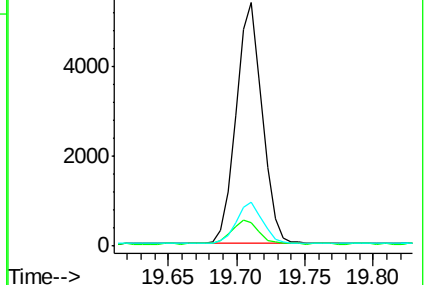
203 16.9 13.7 20.5



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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

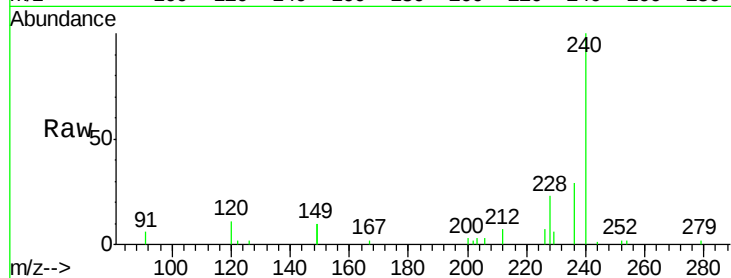
Tot Ion:240 Resp: 6413

Ion Ratio Lower Upper

240 100

120 11.1 5.5 8.3#

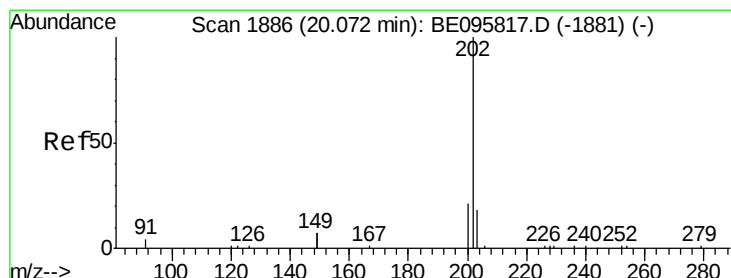
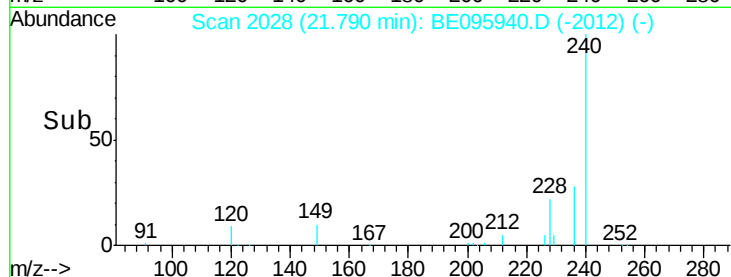
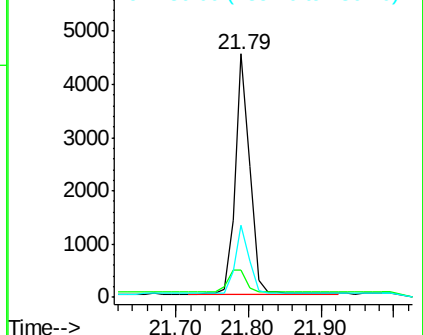
236 29.4 20.7 31.1



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: 0.322 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

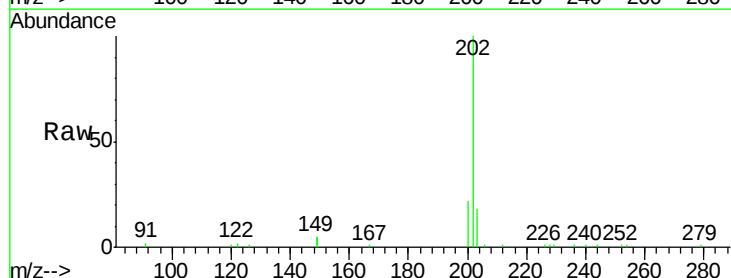
Tgt Ion:202 Resp: 8417

Ion Ratio Lower Upper

202 100

200 23.4 16.6 25.0

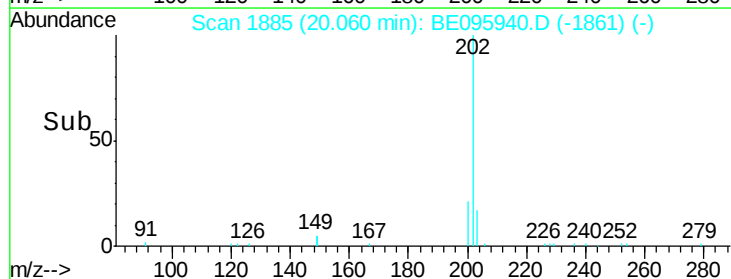
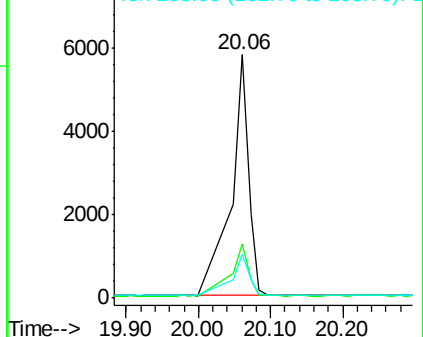
203 17.8 13.8 20.8



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: 0.338 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

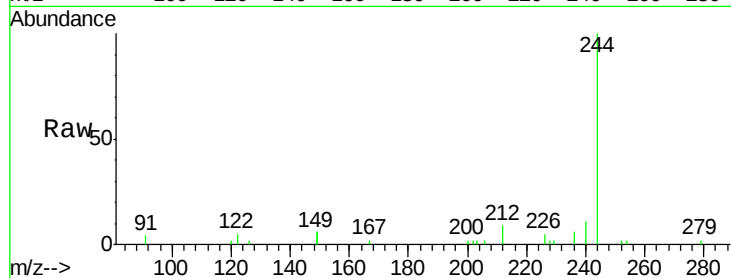
Tot Ion:244 Resp: 4610

Ion Ratio Lower Upper

244 100

212 9.0 25.4 38.0#

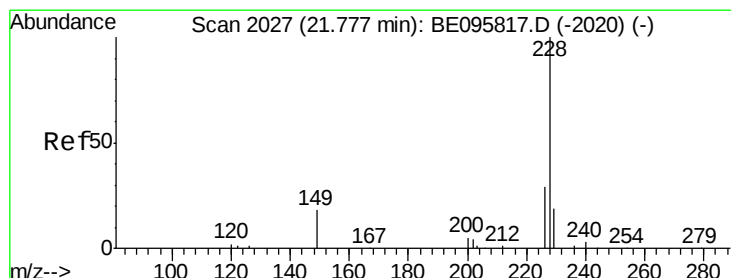
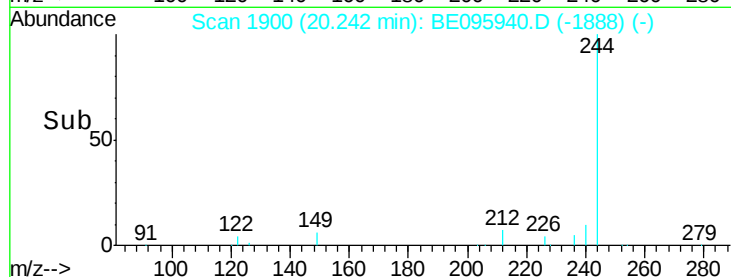
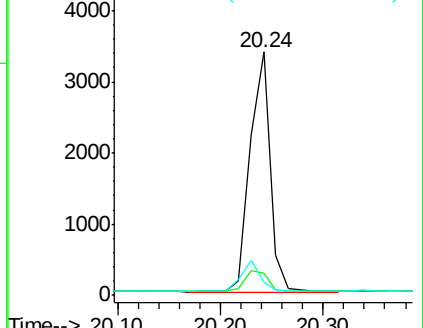
122 5.5 8.1 12.1#



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: 0.336 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

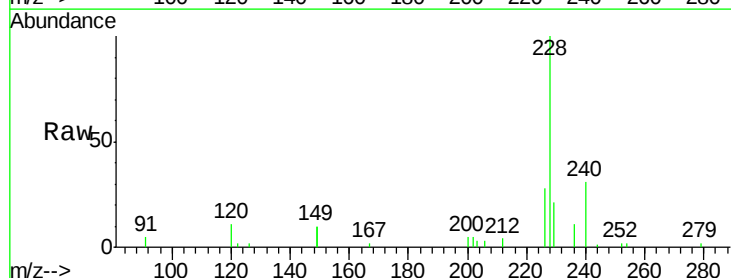
Tgt Ion:228 Resp: 7465

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

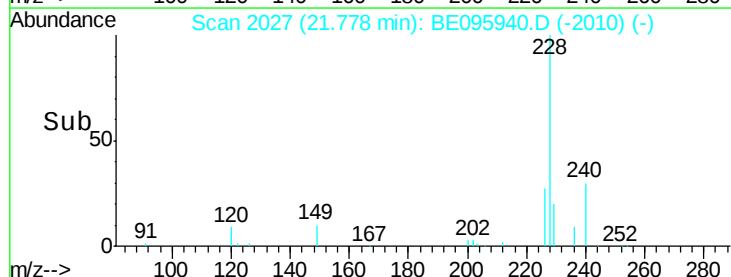
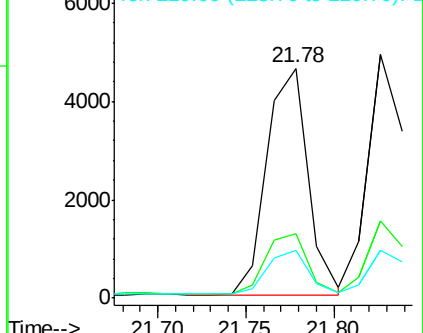
229 21.0 16.0 24.0



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: 0.352 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

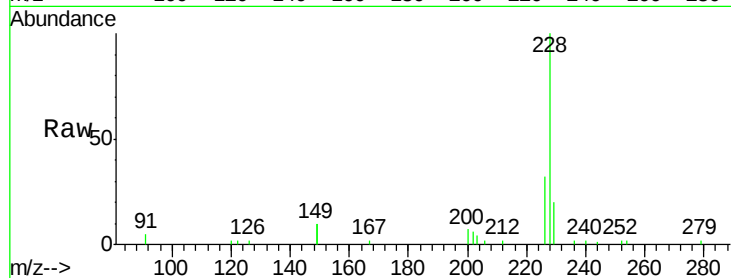
Tot Ion:228 Resp: 7137

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

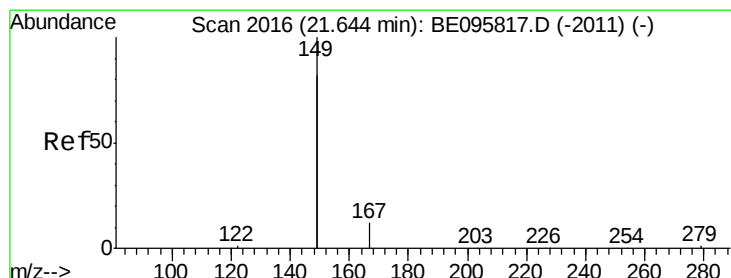
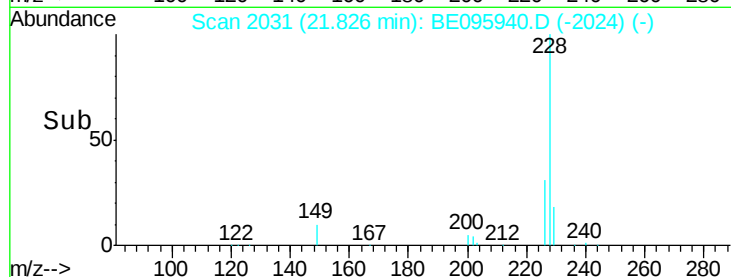
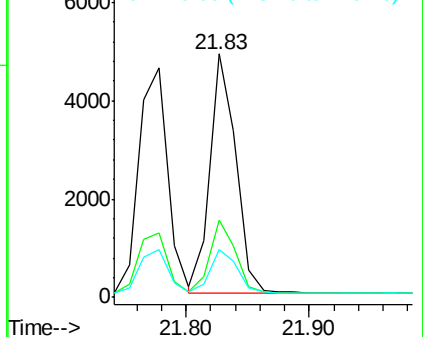
229 19.5 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.274 ng

RT: 21.65 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

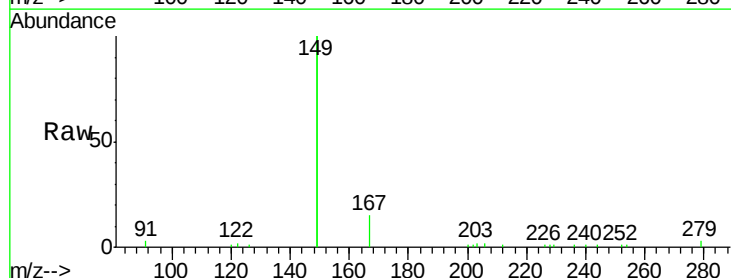
Tgt Ion:149 Resp: 18623

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

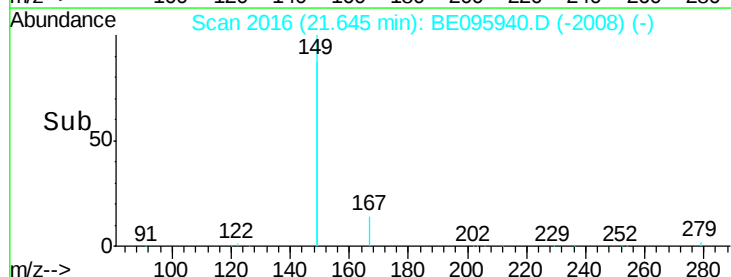
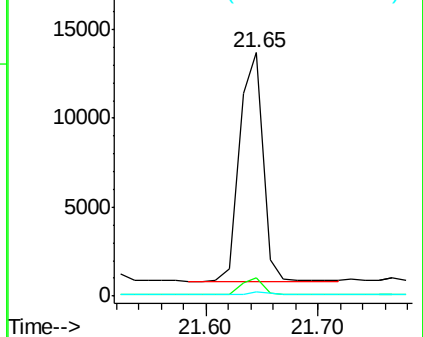
279 1.1 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

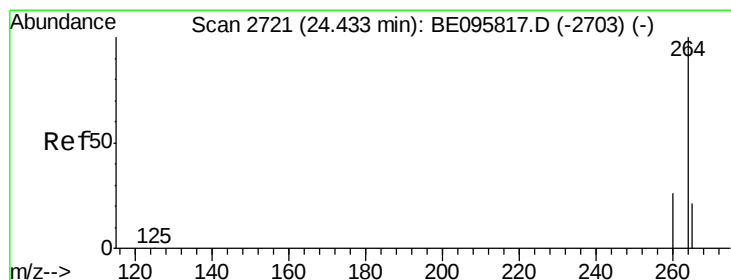
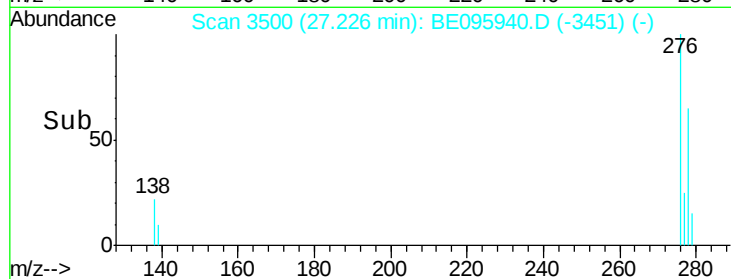
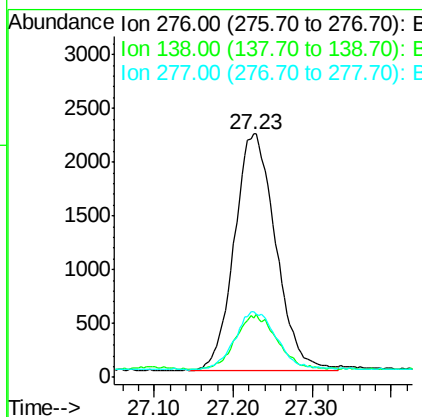
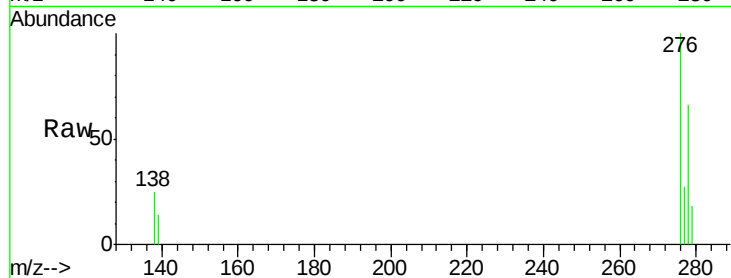




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.364 ng
 RT: 27.23 min Scan# 3500
 Delta R.T. -0.02 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

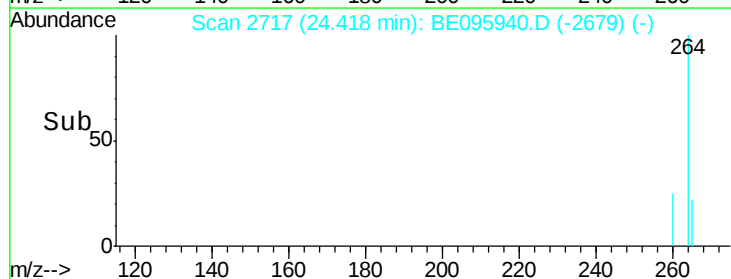
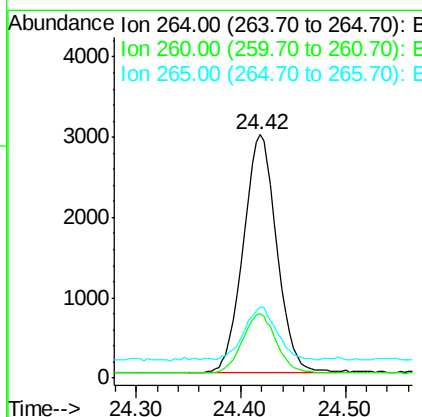
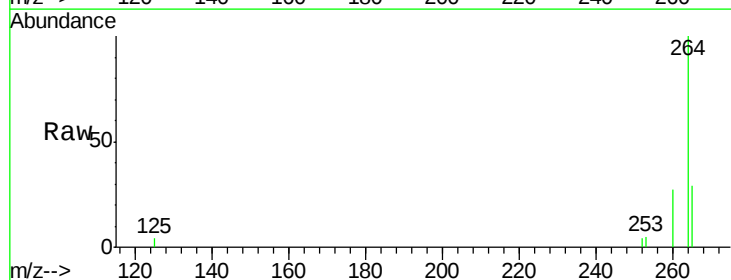
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 7969
 Ion Ratio Lower Upper
 276 100
 138 23.1 22.5 33.7
 277 25.6 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2717
 Delta R.T. -0.02 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Tgt Ion:264 Resp: 6587
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.5 30.7
 265 28.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.336 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

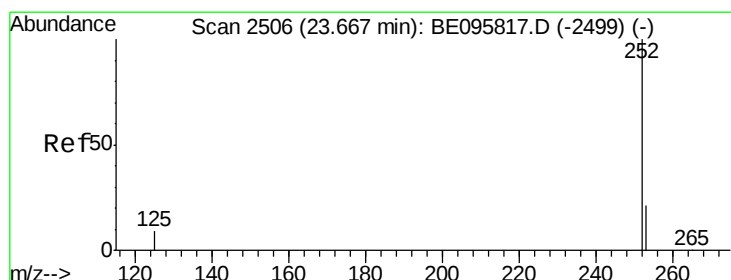
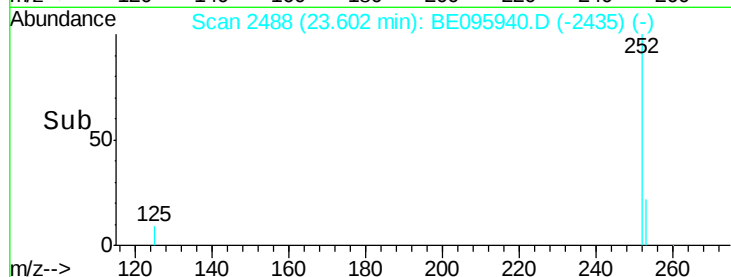
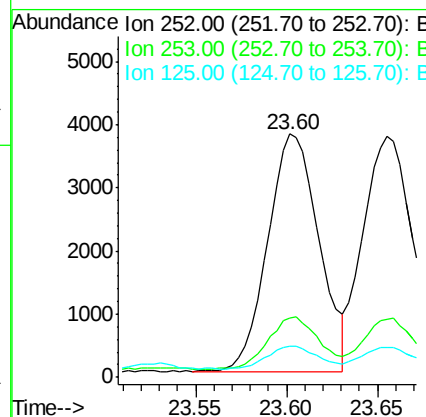
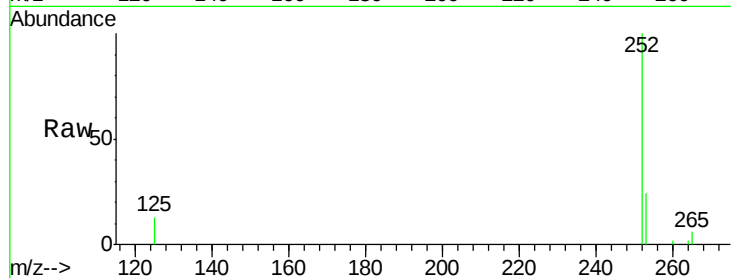
Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 7317

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.0	30.0
125	12.5	16.0	24.0#



#36

Benzo(k)fluoranthene

Concen: 0.331 ng

RT: 23.66 min Scan# 2503

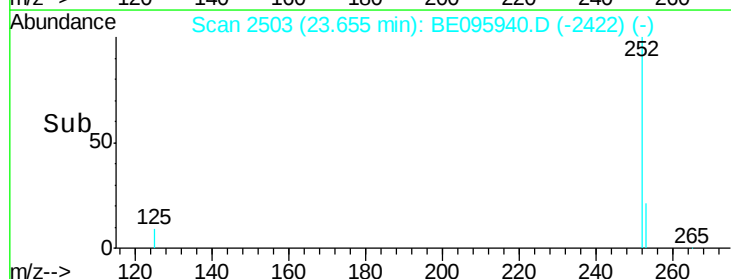
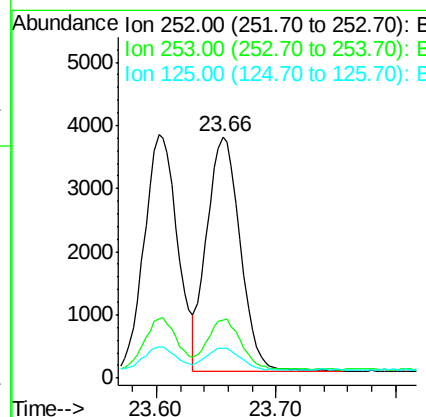
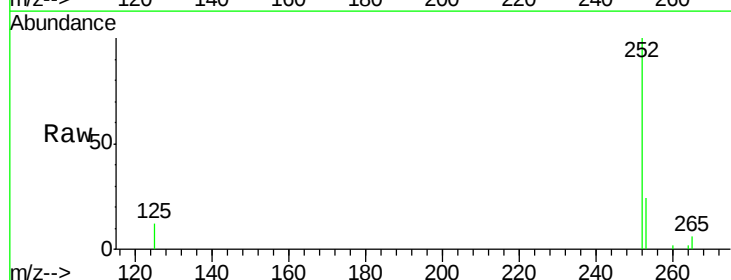
Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Tgt Ion:252 Resp: 7224

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.0	24.0#
125	12.4	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.346 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

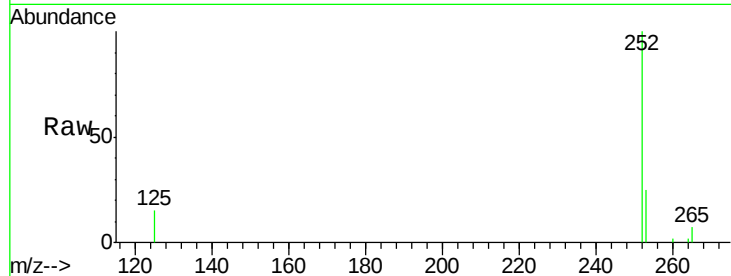
Tot Ion:252 Resp: 7062

Ion Ratio Lower Upper

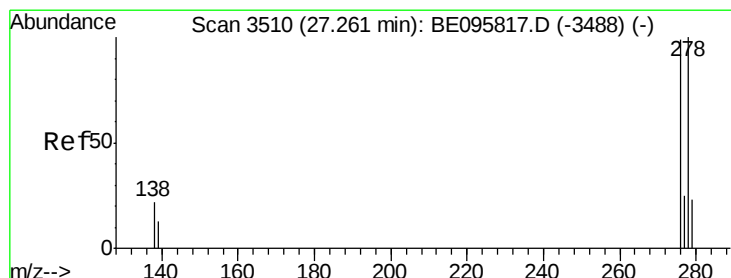
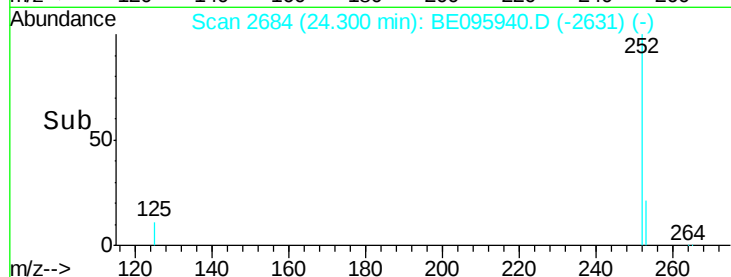
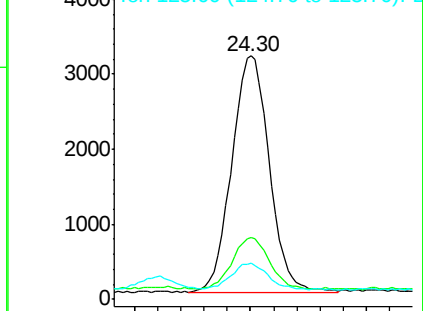
252 100

253 25.2 16.0 24.0#

125 14.9 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.333 ng

RT: 27.24 min Scan# 3505

Delta R.T. -0.02 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

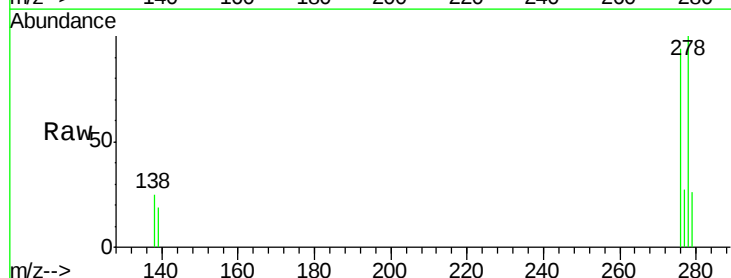
Tgt Ion:278 Resp: 6465

Ion Ratio Lower Upper

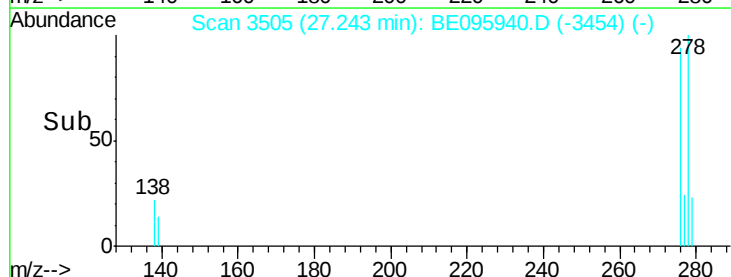
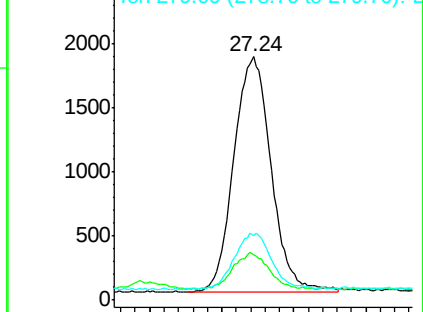
278 100

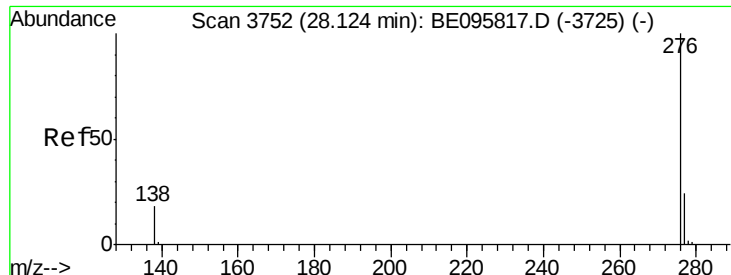
139 18.7 16.0 24.0

279 26.5 20.0 30.0



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: 0.350 ng

RT: 28.10 min Scan# 3746

Delta R.T. -0.02 min

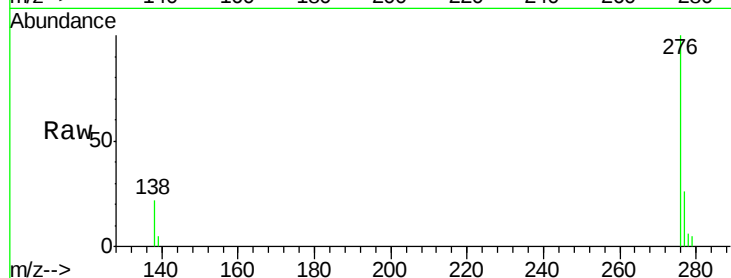
Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :



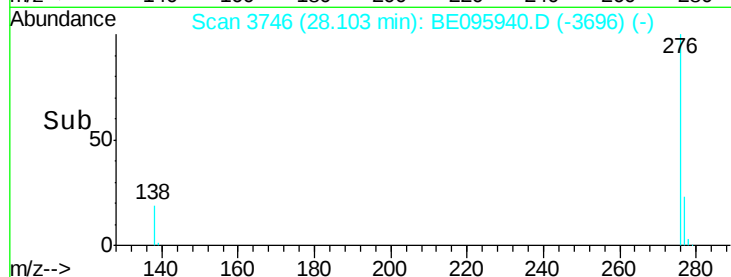
Tot Ion: 276 Resp: 6815

Ion Ratio Lower Upper

276 100

277 26.0 16.0 24.0#

138 22.1 20.0 30.0



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

