

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040218\
 Data File : BE095921.D
 Acq On : 2 Apr 2018 11:23
 Operator : SJ/JU
 Sample : PB107832BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 03 03:48:27 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	1338	0.40	ng	-0.02
7) Naphthalene-d8	11.26	136	4962	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2414	0.40	ng	0.00
19) Phenanthrene-d10	17.70	188	5078	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6304	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6640	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1317	0.30	ng	0.00
5) Phenol-d6	7.56	99	1787	0.29	ng	0.00
8) Nitrobenzene-d5	9.52	82	158	0.03	ng	-0.08
11) 2-Methylnaphthalene-d10	12.79	152	2165	0.26	ng	-0.01
14) 2,4,6-Tribromophenol	16.47	330	336	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	3947	0.39	ng	-0.01
25) Fluoranthene-d10	19.68	212	20667	0.27	ng	0.00
29) Terphenyl-d14	20.24	244	4863	0.36	ng	0.00

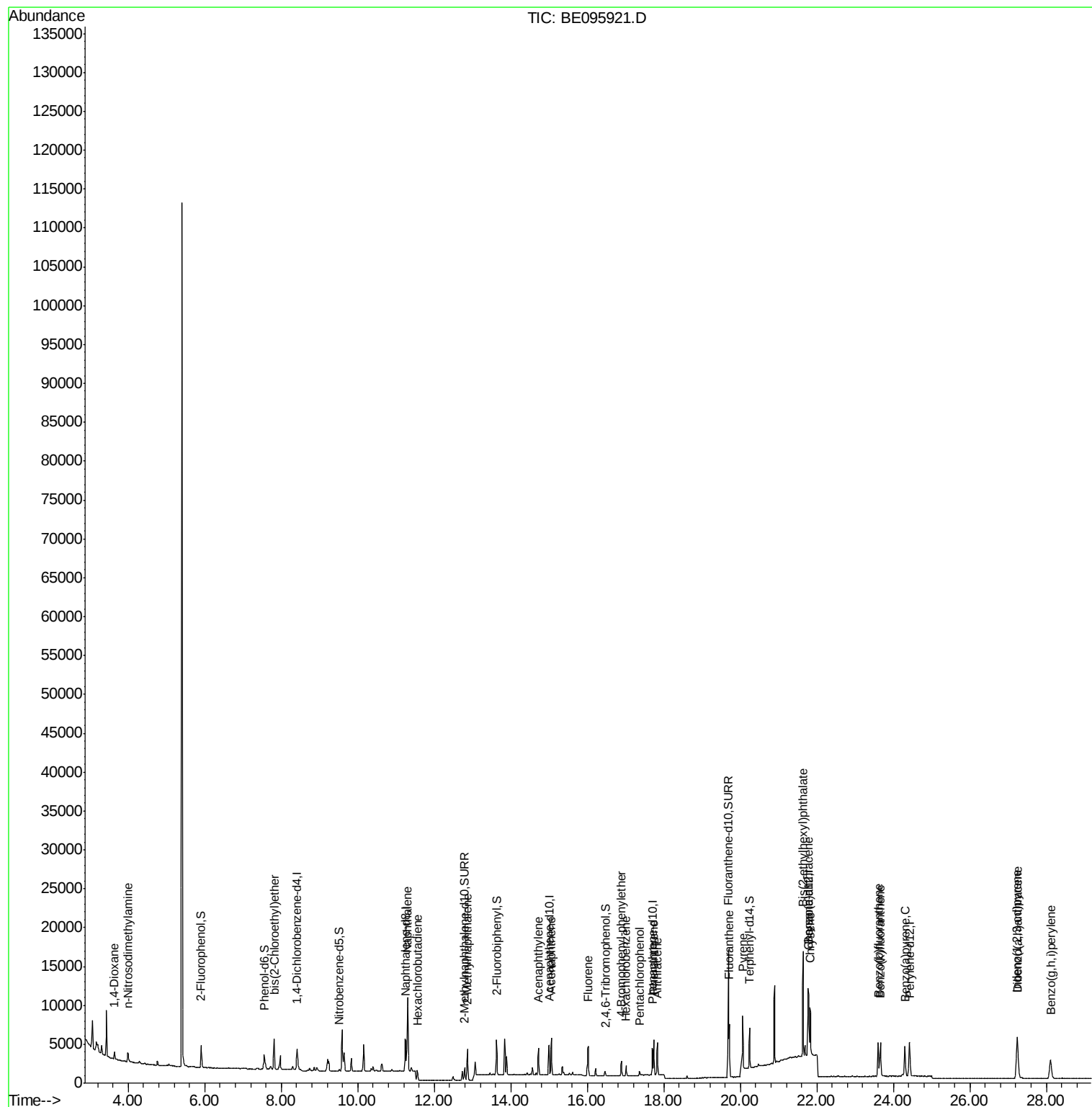
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	565	0.258	ng	# 32
3) n-Nitrosodimethylamine	3.99	42	862	0.268	ng	# 79
6) bis(2-Chloroethyl)ether	7.81	93	1471	0.281	ng	95
9) Naphthalene	11.30	128	16507	0.291	ng	99
10) Hexachlorobutadiene	11.56	225	1140	0.293	ng	92
12) 2-Methylnaphthalene	12.87	142	2746	0.284	ng	97
16) Acenaphthylene	14.72	152	3844	0.278	ng	100
17) Acenaphthene	15.06	154	2322	0.276	ng	95
18) Fluorene	16.03	166	2847	0.257	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	927	0.304	ng	# 86
21) Hexachlorobenzene	17.02	284	910	0.299	ng	# 82
22) Pentachlorophenol	17.36	266	415	0.491	ng	# 79
23) Phenanthrene	17.74	178	4527	0.298	ng	99
24) Anthracene	17.83	178	4552	0.299	ng	94
26) Fluoranthene	19.71	202	6056	0.287	ng	98
28) Pyrene	20.06	202	7408	0.288	ng	97
30) Benzo(a)anthracene	21.78	228	6512	0.298	ng	96
31) Chrysene	21.83	228	6281	0.315	ng	94
32) Bis(2-ethylhexyl)phthalate	21.64	149	16613	0.248	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	7143	0.332	ng	95
35) Benzo(b)fluoranthene	23.61	252	6450	0.294	ng	# 94
36) Benzo(k)fluoranthene	23.66	252	6418	0.292	ng	# 88
37) Benzo(a)pyrene	24.30	252	6284	0.305	ng	# 91
38) Dibenzo(a,h)anthracene	27.24	278	5862	0.300	ng	95
39) Benzo(g,h,i)perylene	28.11	276	6132	0.312	ng	# 90

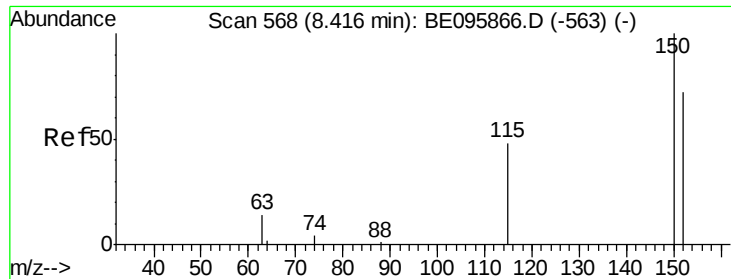
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040218\
Data File : BE095921.D
Acq On : 2 Apr 2018 11:23
Operator : SJ/JU
Sample : PB107832BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Apr 03 03:48:27 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



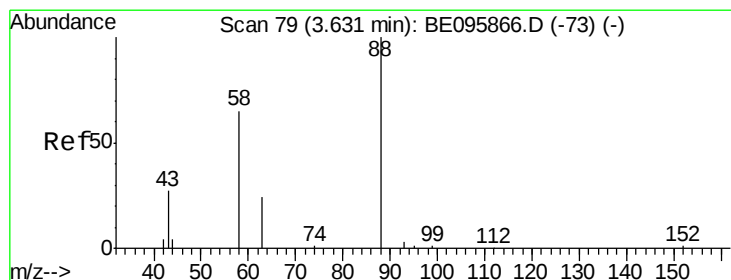
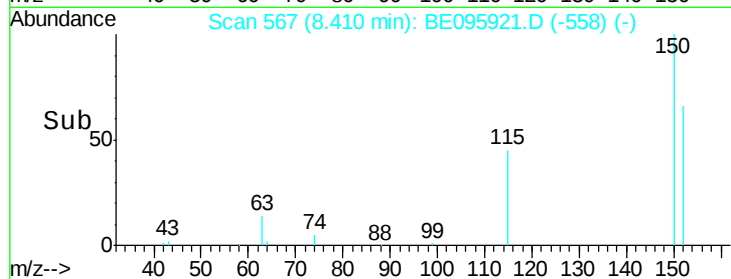
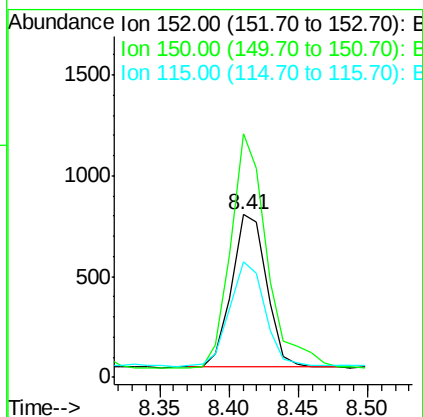
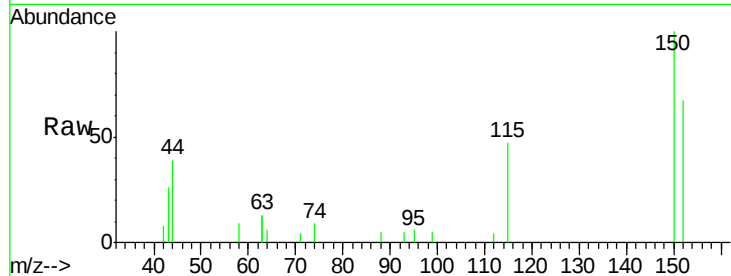


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.41 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

Instrument :
 BNA_E
 ClientSampleId :

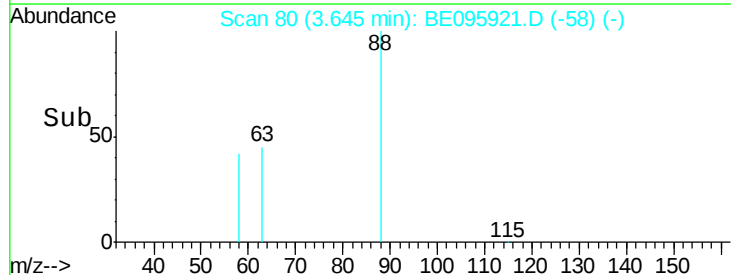
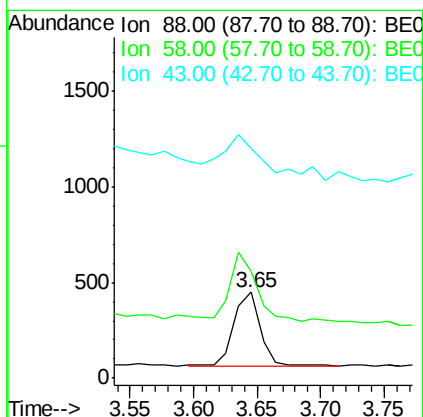
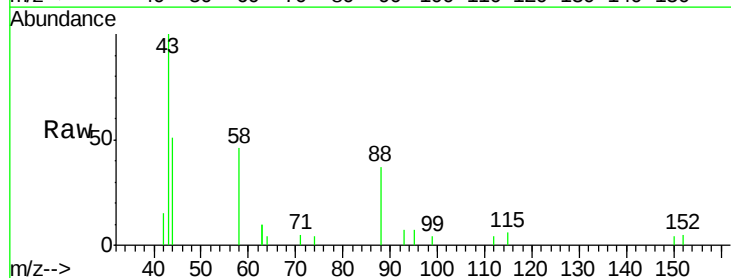
Tot Ion:152 Resp: 1338
 Ion Ratio Lower Upper
 152 100
 150 149.5 117.2 175.8
 115 70.7 57.0 85.6

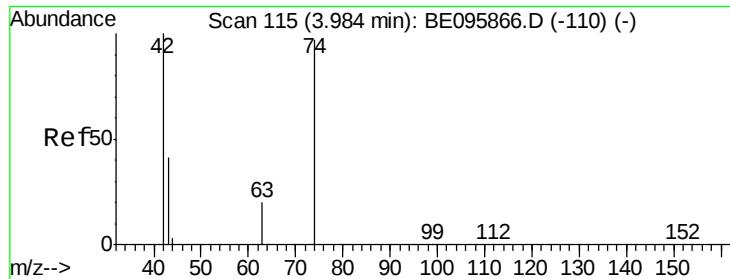


#2

1,4-Dioxane
 Concen: 0.258 ng
 RT: 3.65 min Scan# 80
 Delta R.T. 0.01 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

Tgt Ion: 88 Resp: 565
 Ion Ratio Lower Upper
 88 100
 58 118.1 63.2 94.8#
 43 124.1 41.2 61.8#



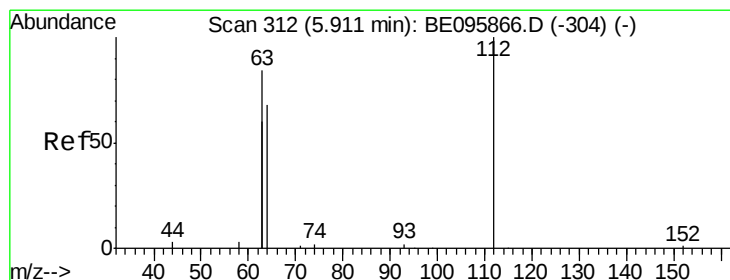
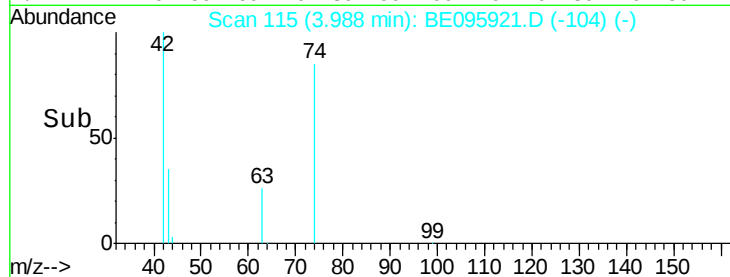
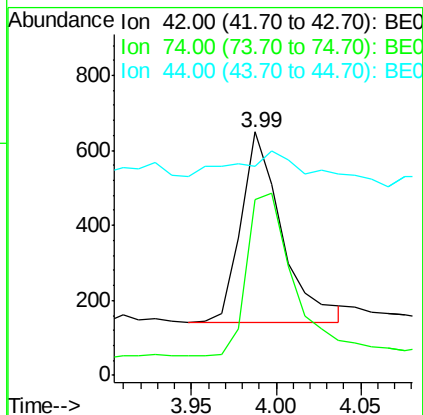
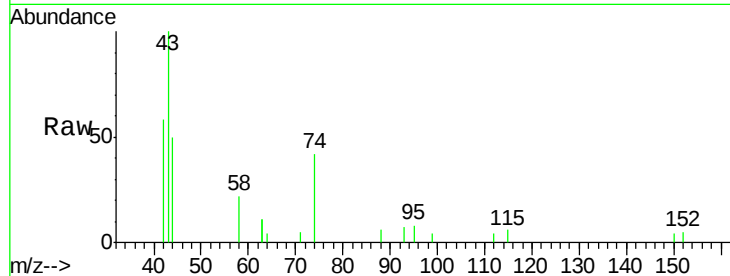


#3

n-Nitrosodimethylamine
 Concen: 0.268 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

Instrument :
 BNA_E
 ClientSampleId :

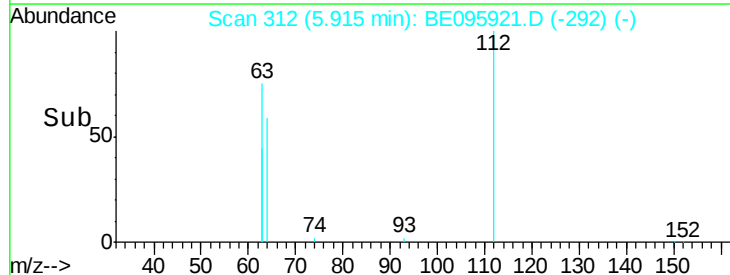
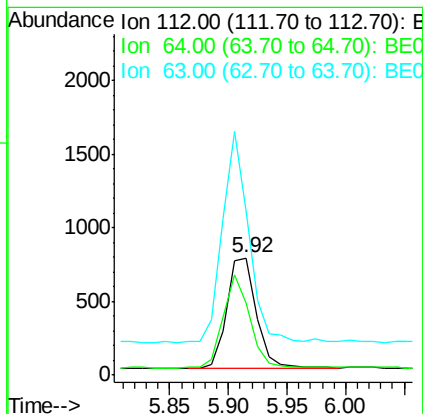
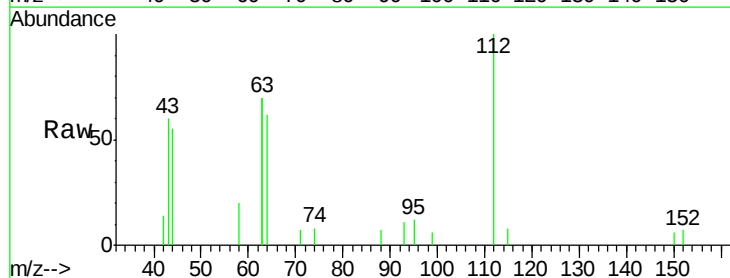
Tot Ion	Ratio	Lower	Upper
42	100		
74	94.7	96.0	144.0#
44	18.4	12.0	18.0#

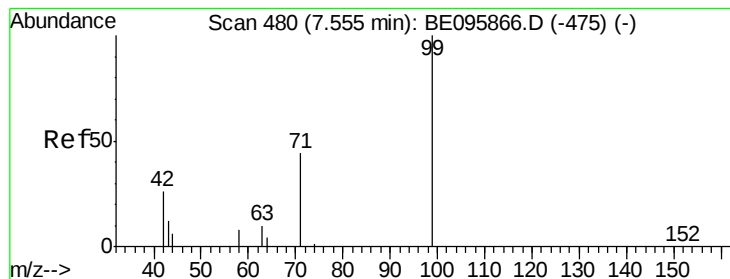


#4

2-Fluorophenol
 Concen: 0.299 ng
 RT: 5.92 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.9	60.1	90.1
63	167.4	116.8	175.2





#5

Phenol-d6

Concen: 0.295 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampled :

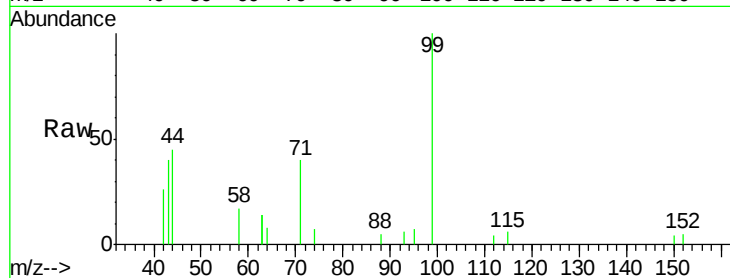
Tot Ion: 99 Resp: 1787

Ion Ratio Lower Upper

99 100

42 26.6 20.2 30.2

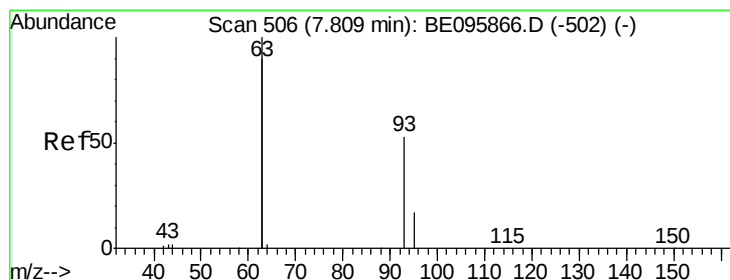
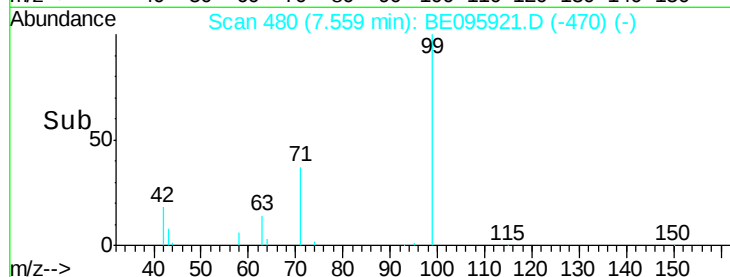
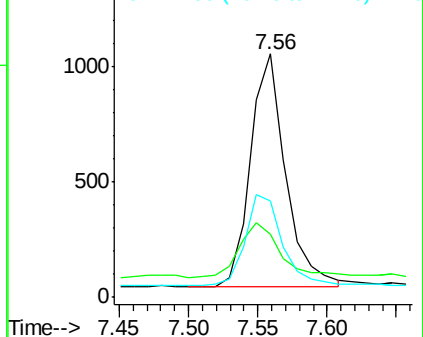
71 41.9 28.4 42.6



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: 0.281 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

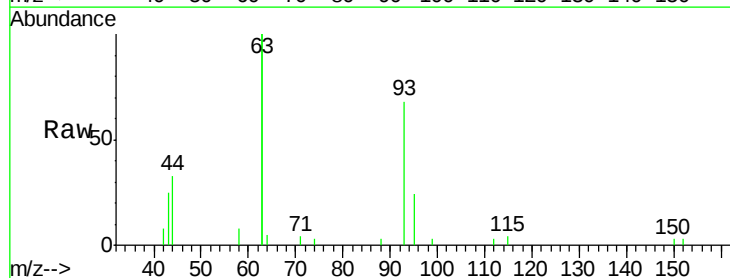
Tgt Ion: 93 Resp: 1471

Ion Ratio Lower Upper

93 100

63 333.9 275.3 412.9

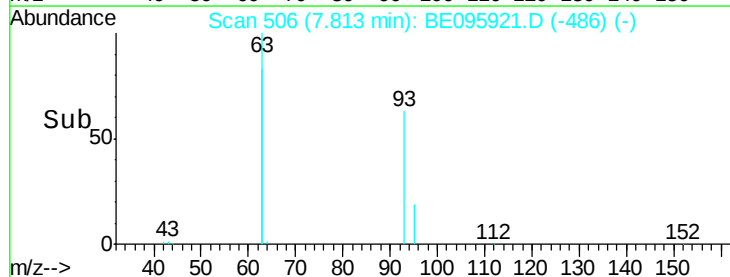
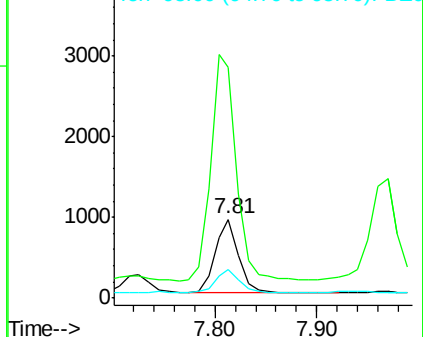
95 32.9 25.2 37.8

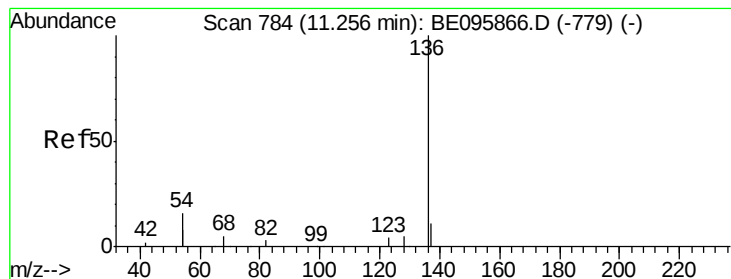


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4962

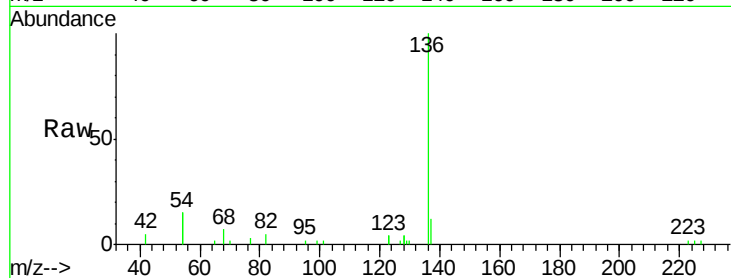
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 30.8 29.1 43.7

68 6.7 6.2 9.2

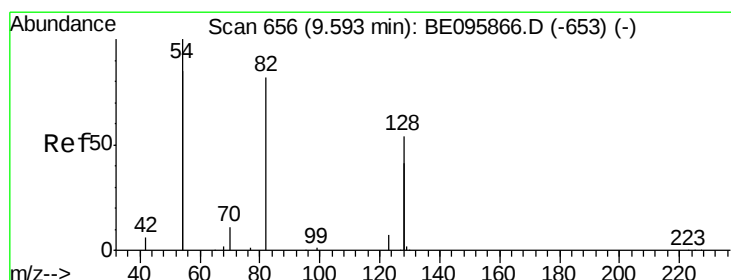
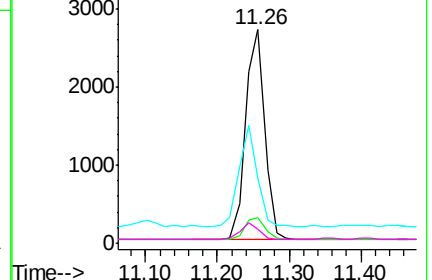
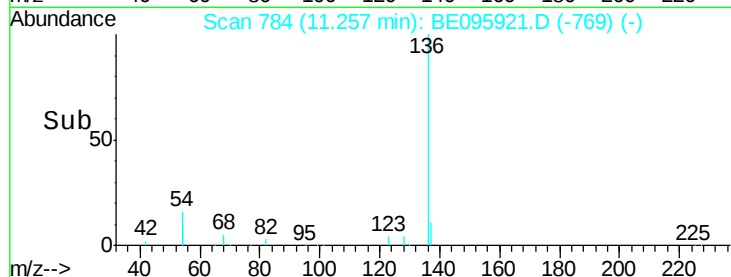


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.027 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.08 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

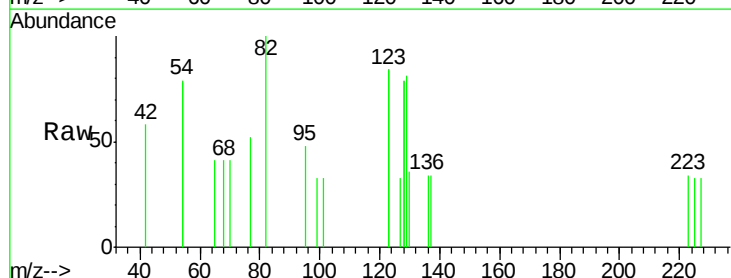
Tgt Ion: 82 Resp: 158

Ion Ratio Lower Upper

82 100

128 157.1 150.0 225.0

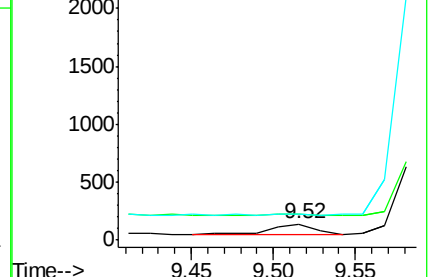
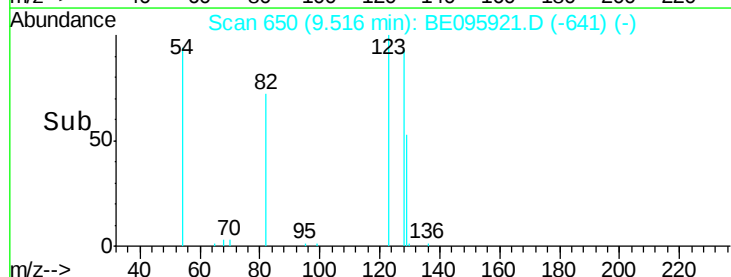
54 158.6 154.2 231.4

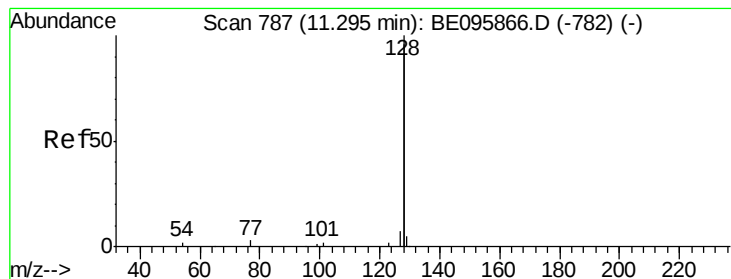


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.291 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

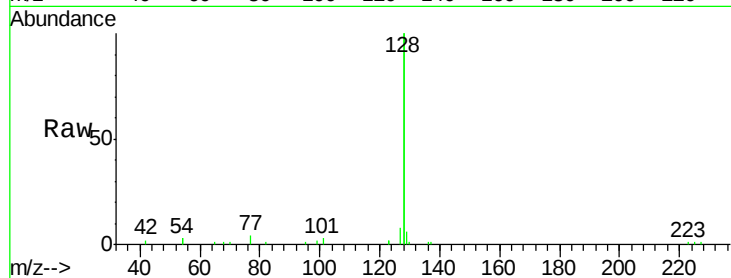
Tot Ion:128 Resp: 16507

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

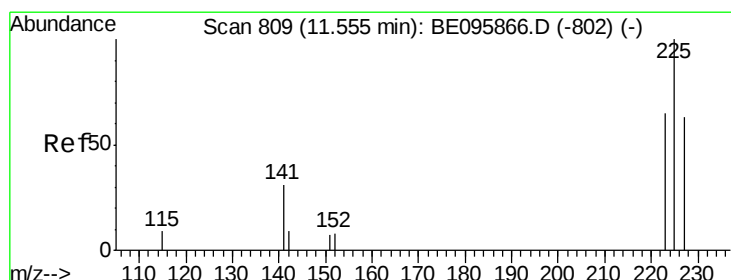
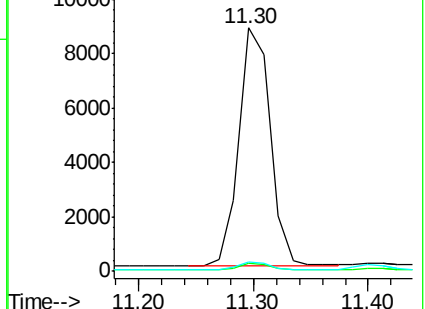
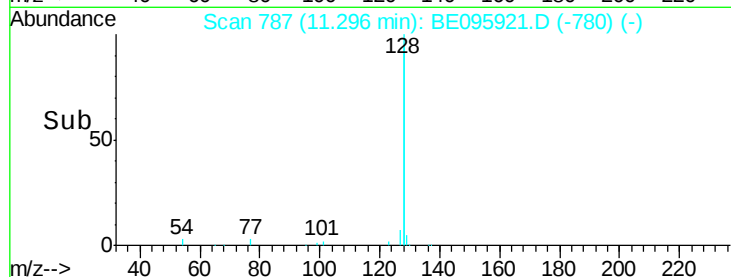
127 4.0 2.8 4.2



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: 0.293 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

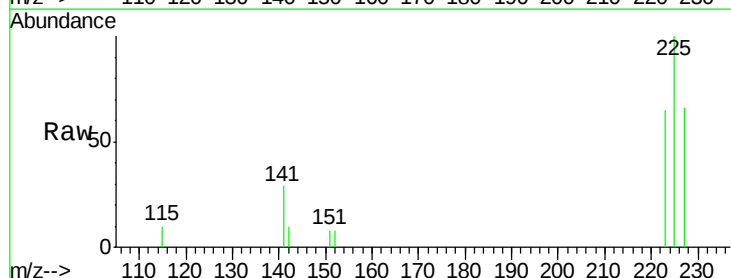
Tgt Ion:225 Resp: 1140

Ion Ratio Lower Upper

225 100

223 58.4 53.0 79.6

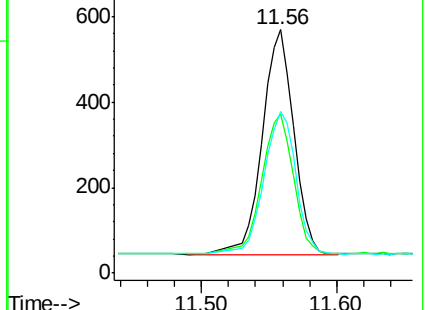
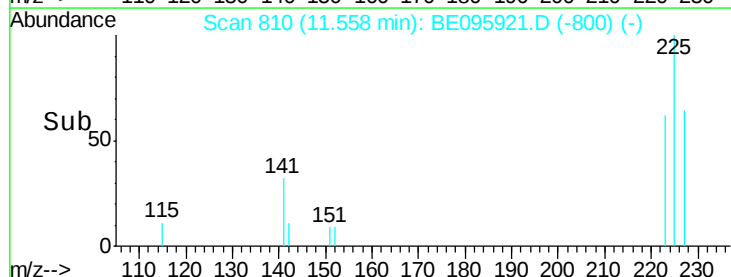
227 59.7 51.4 77.2

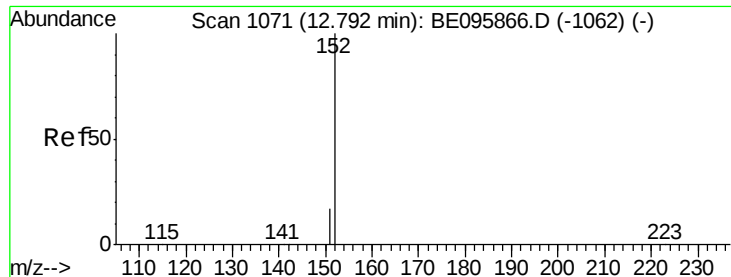


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

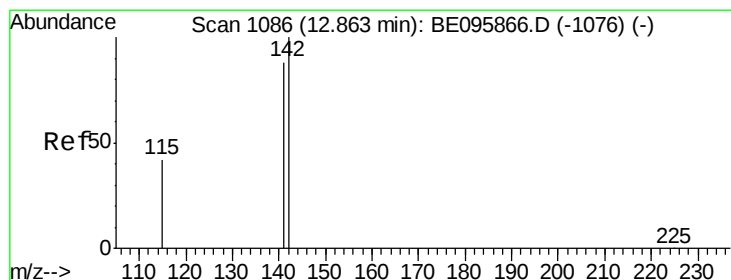
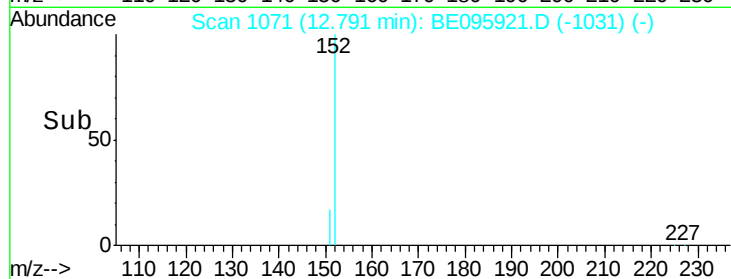
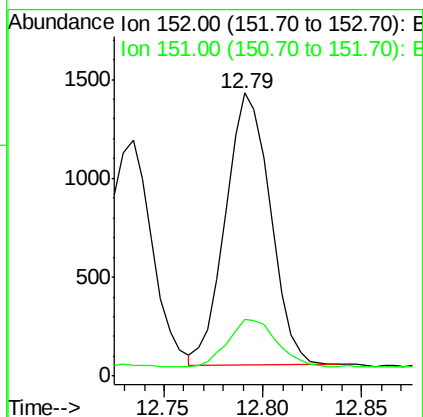
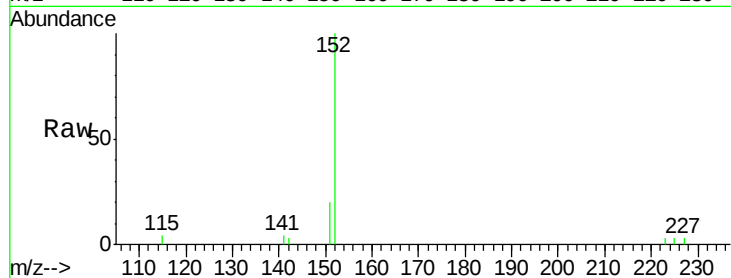




#11
 2-Methylnaphthalene-d10
 Concen: 0.261 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

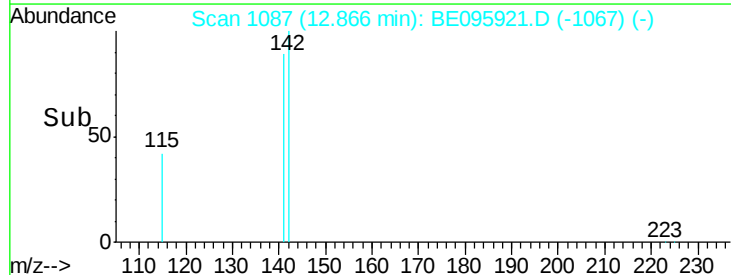
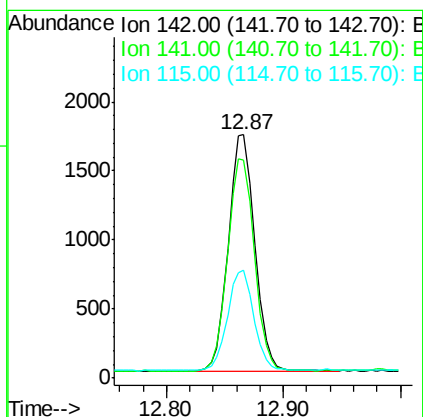
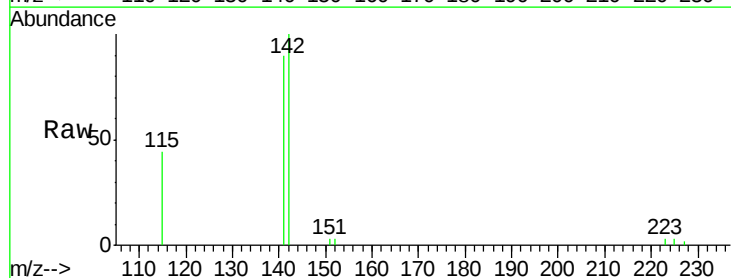
Instrument :
 BNA_E
 ClientSampleId :

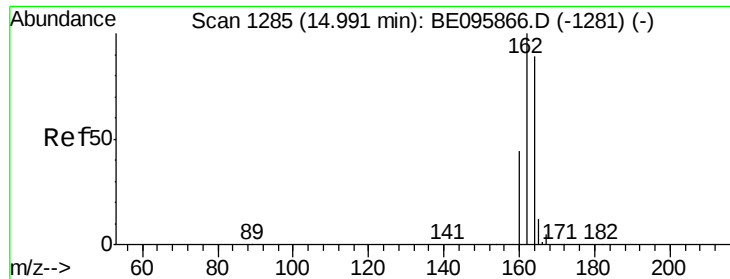
Tot Ion:152 Resp: 2165
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.284 ng
 RT: 12.87 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE095921.D
 Acq: 2 Apr 2018 11:23

Tgt Ion:142 Resp: 2746
 Ion Ratio Lower Upper
 142 100
 141 89.6 70.4 105.6
 115 44.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

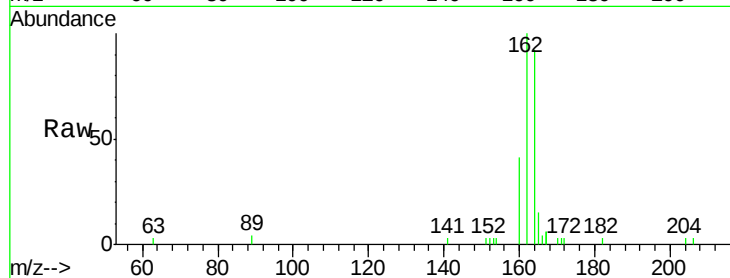
Tot Ion:164 Resp: 2414

Ion Ratio Lower Upper

164 100

162 109.3 83.1 124.7

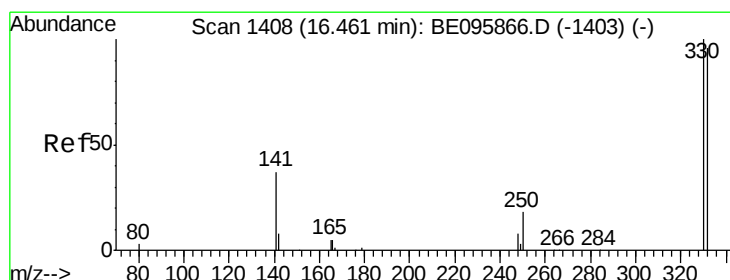
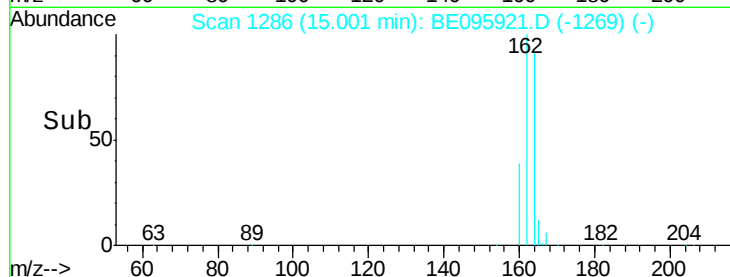
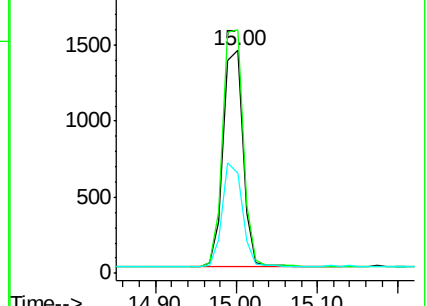
160 44.8 37.1 55.7



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: 0.241 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

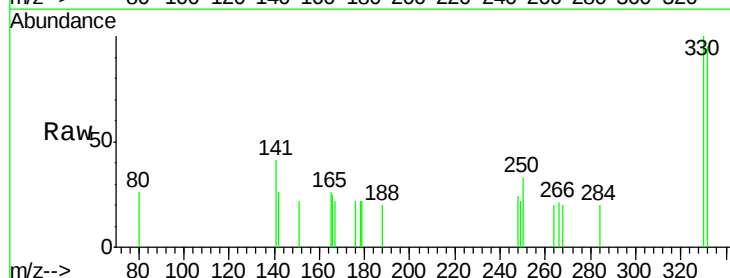
Tgt Ion:330 Resp: 336

Ion Ratio Lower Upper

330 100

332 93.2 152.7 229.1#

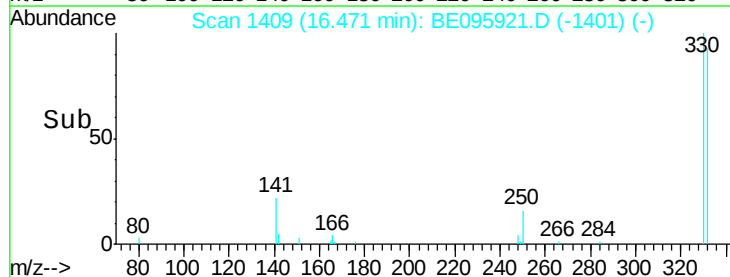
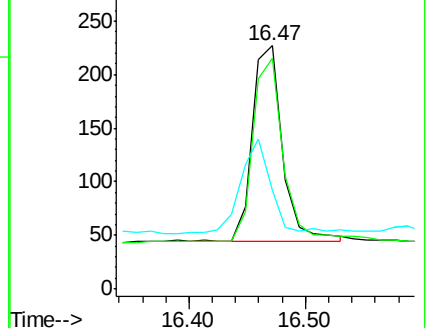
141 49.4 33.7 50.5

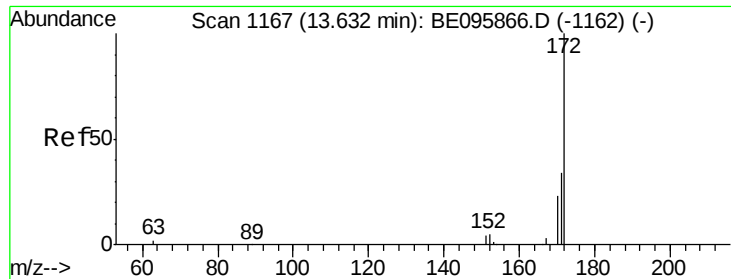


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

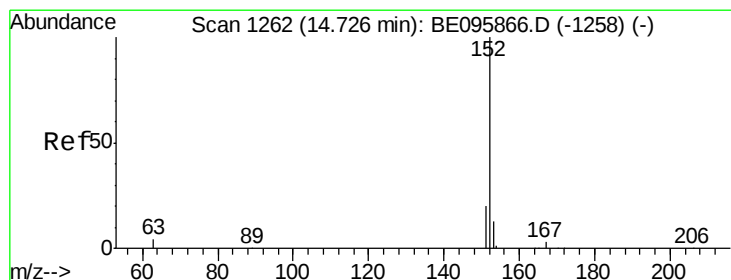
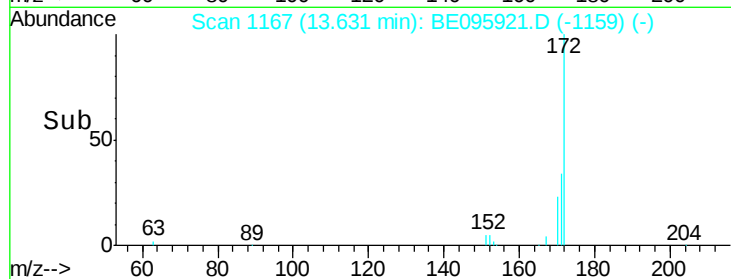
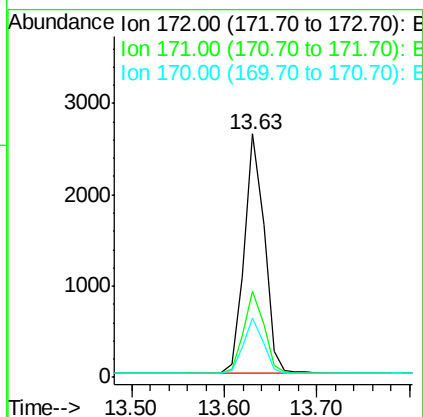
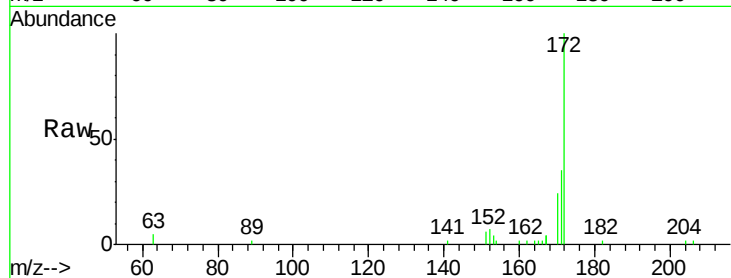




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

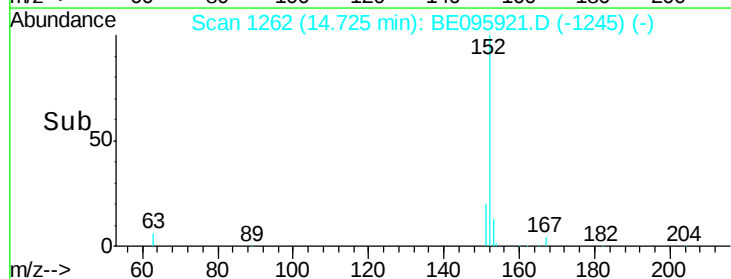
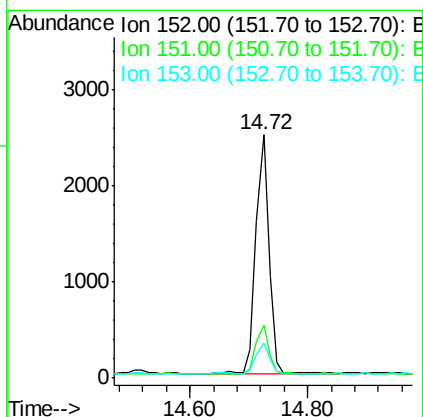
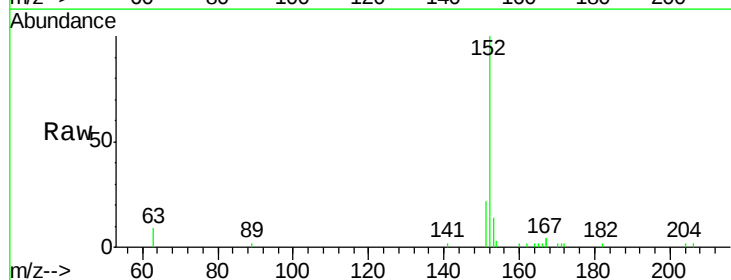
Instrument :
BNA_E
ClientSampleId :

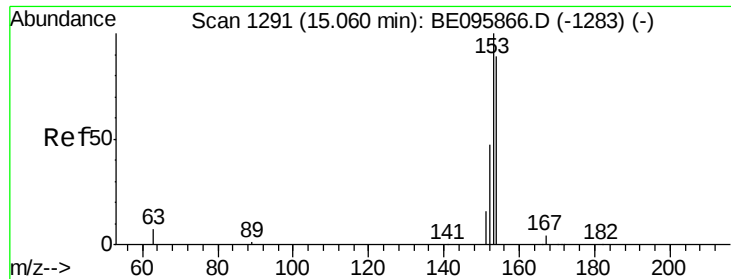
Tot Ion:172 Resp: 3947
Ion Ratio Lower Upper
172 100
171 35.2 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.278 ng
RT: 14.72 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Tgt Ion:152 Resp: 3844
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.1 10.5 15.7

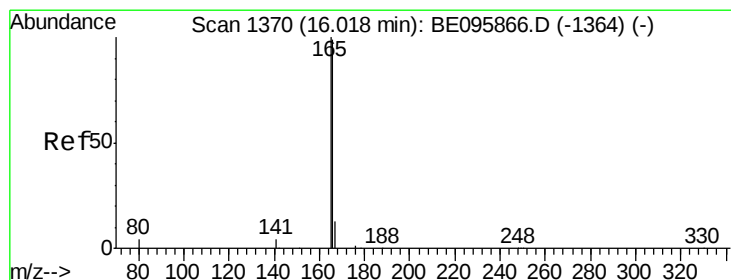
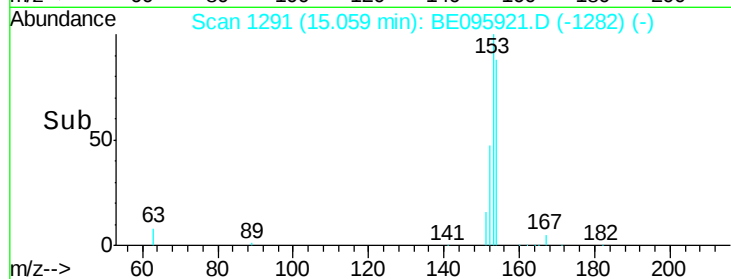
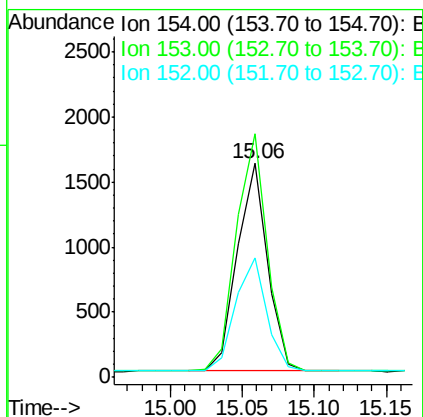
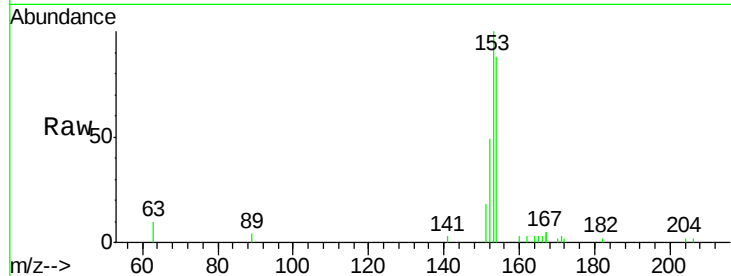




#17
Acenaphthene
Concen: 0.276 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

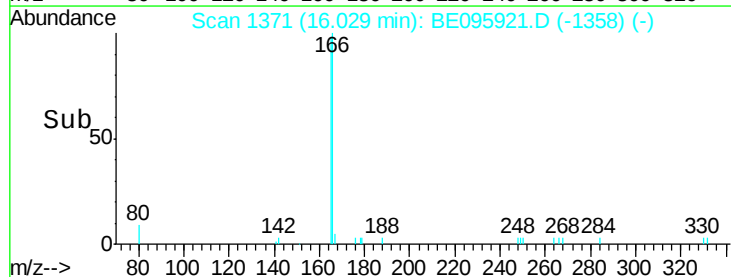
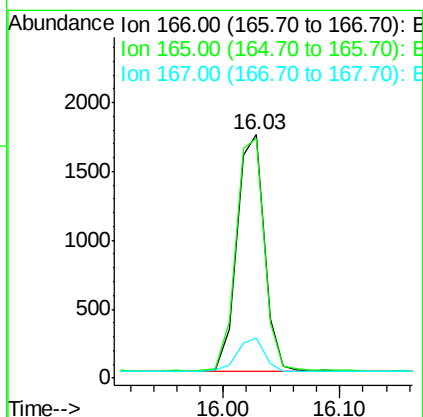
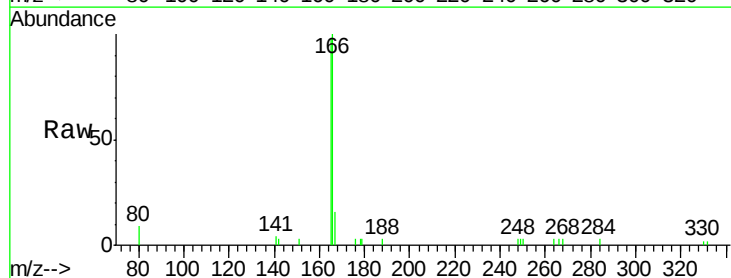
Instrument :
BNA_E
ClientSampleId :

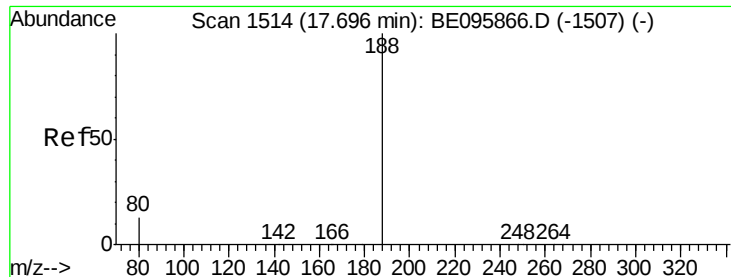
Tot Ion:154 Resp: 2322
Ion Ratio Lower Upper
154 100
153 116.9 89.2 133.8
152 56.7 42.0 63.0



#18
Fluorene
Concen: 0.257 ng
RT: 16.03 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Tgt Ion:166 Resp: 2847
Ion Ratio Lower Upper
166 100
165 101.1 77.8 116.6
167 14.6 42.4 63.6#

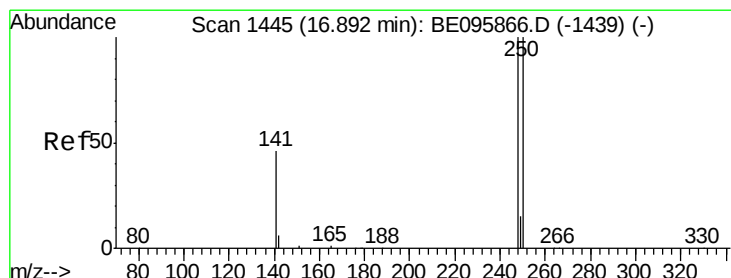
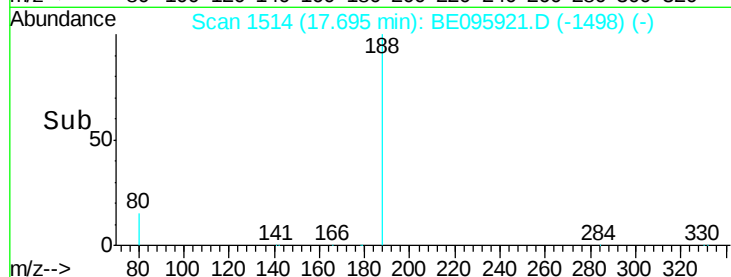
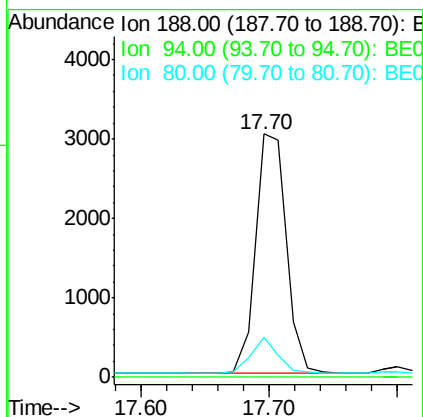
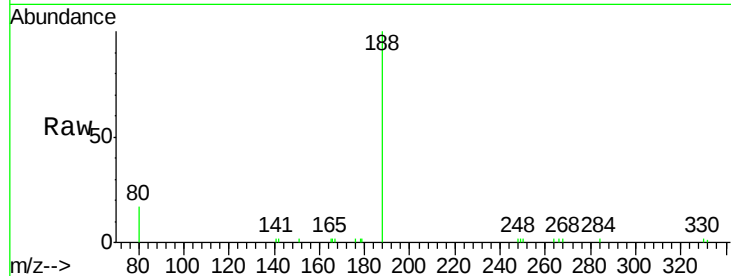




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

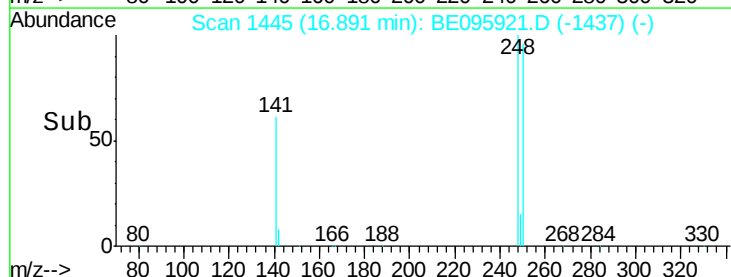
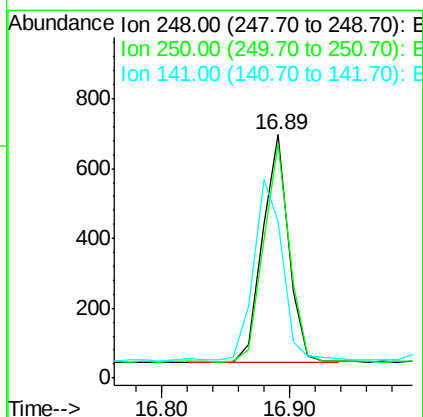
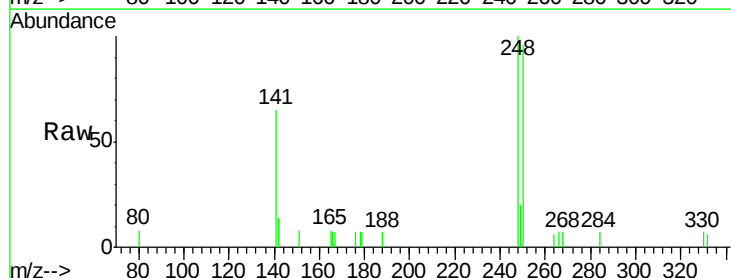
Instrument :
BNA_E
ClientSampleId :

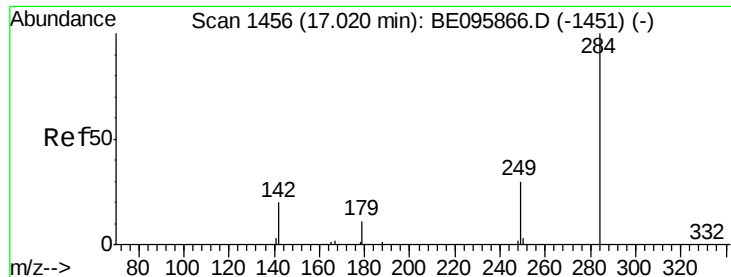
Tot Ion:188 Resp: 5078
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 16.7 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.304 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Tgt Ion:248 Resp: 927
Ion Ratio Lower Upper
248 100
250 96.3 62.7 94.1#
141 64.6 48.2 72.2

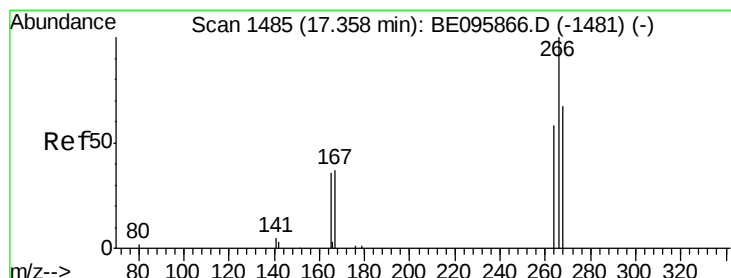
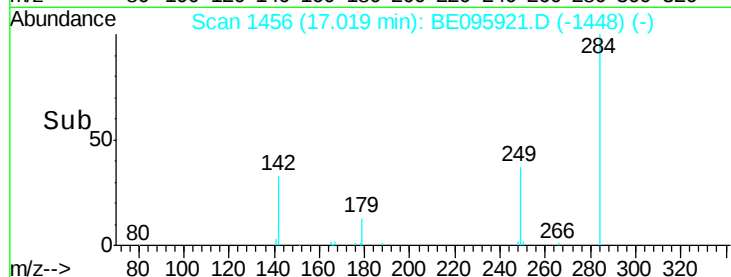
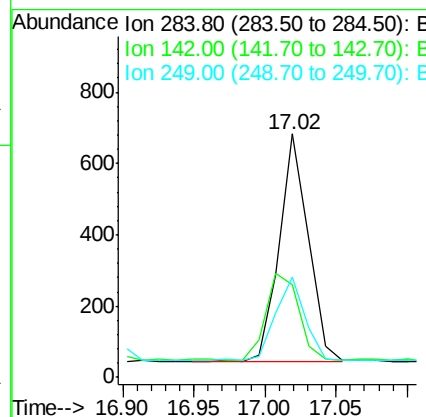
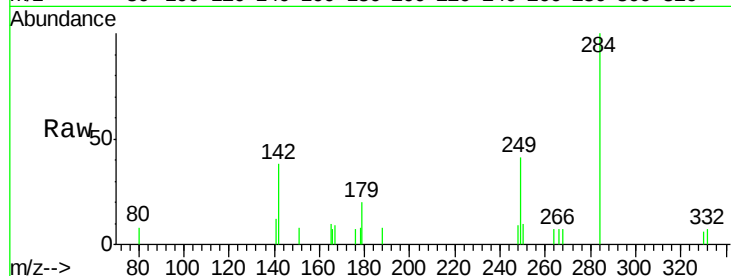




#21
Hexachlorobenzene
Concen: 0.299 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

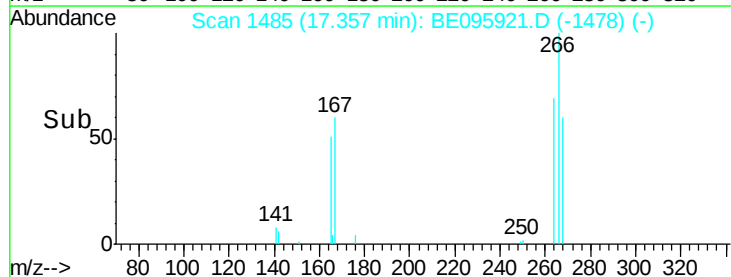
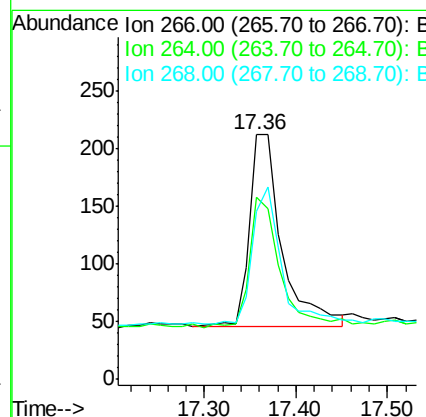
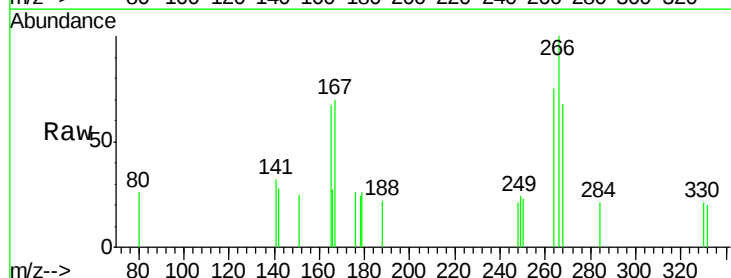
Instrument :
BNA_E
ClientSampleId :

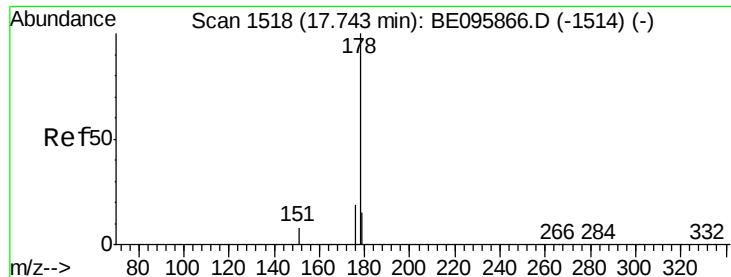
Tot Ion:284 Resp: 910
Ion Ratio Lower Upper
284 100
142 43.6 22.1 33.1#
249 37.0 34.8 52.2



#22
Pentachlorophenol
Concen: 0.491 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Tgt Ion:266 Resp: 415
Ion Ratio Lower Upper
266 100
264 74.5 72.5 108.7
268 68.4 73.8 110.6#





#23

Phenanthrene

Concen: 0.298 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

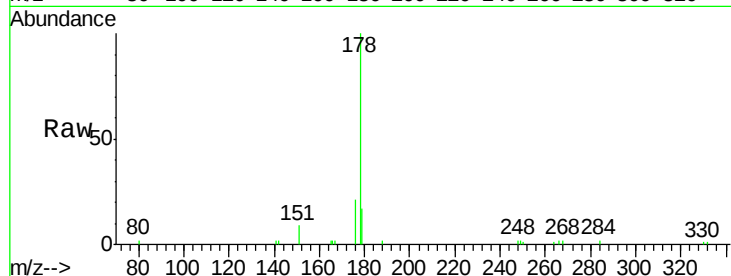
Tot Ion:178 Resp: 4527

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

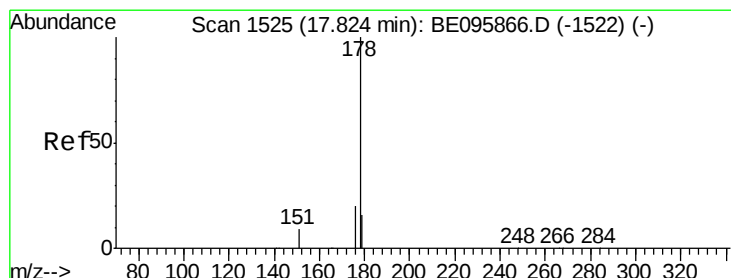
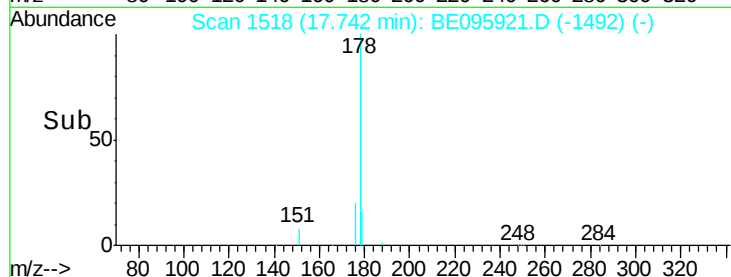
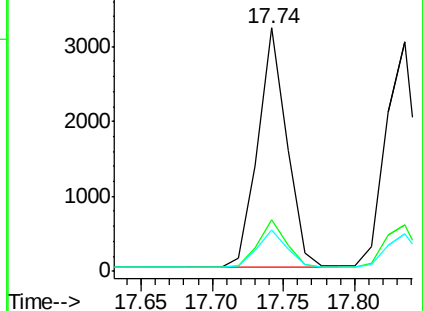
179 15.3 11.8 17.6



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: 0.299 ng

RT: 17.83 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

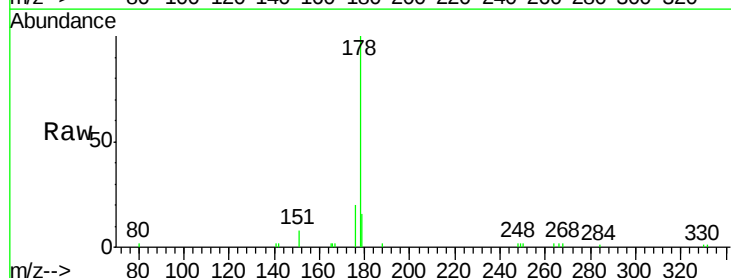
Tgt Ion:178 Resp: 4552

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

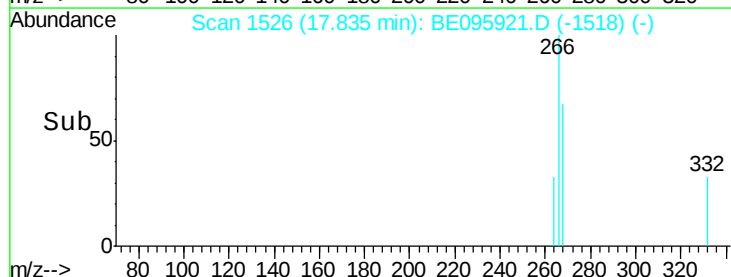
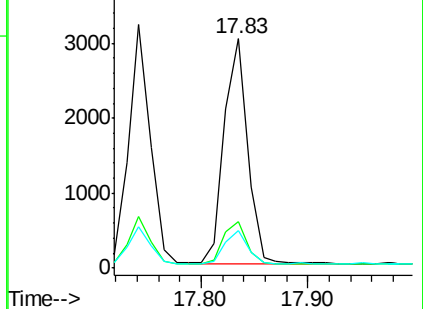
179 14.2 13.0 19.6

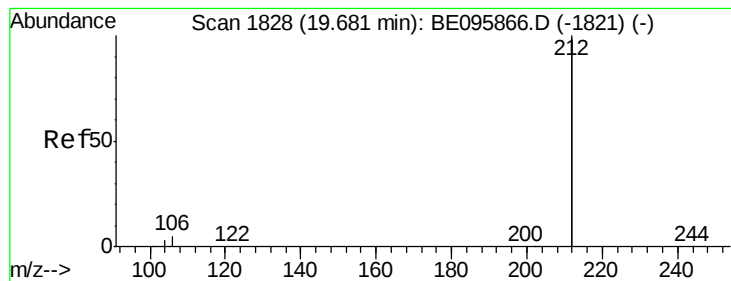


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.274 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

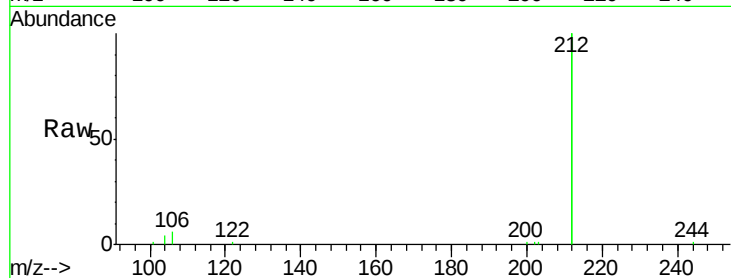
Tot Ion:212 Resp: 20667

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

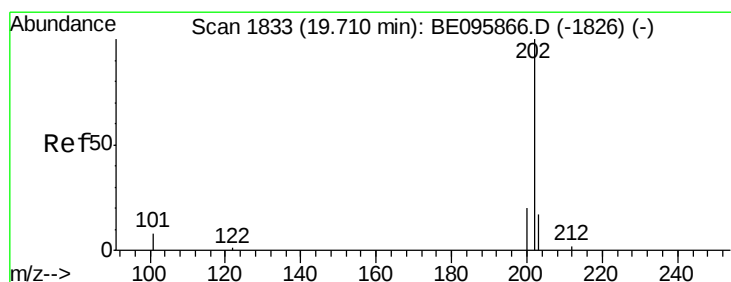
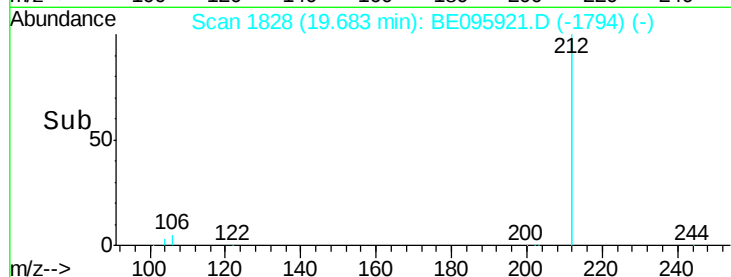
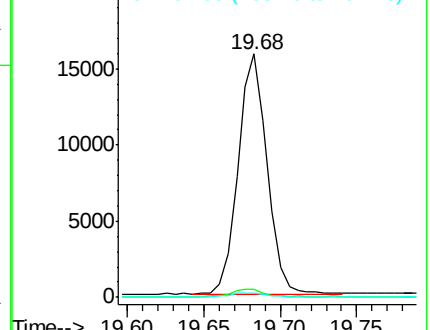
104 1.7 1.6 2.4



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: 0.287 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

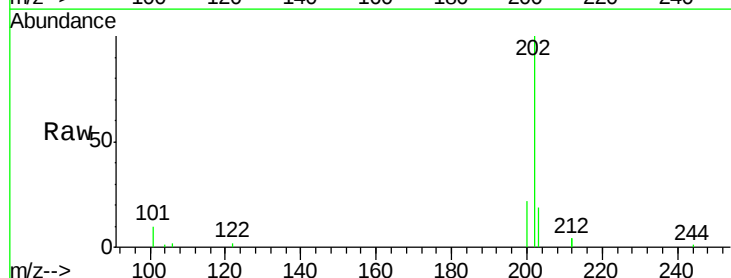
Tgt Ion:202 Resp: 6056

Ion Ratio Lower Upper

202 100

101 10.2 9.8 14.8

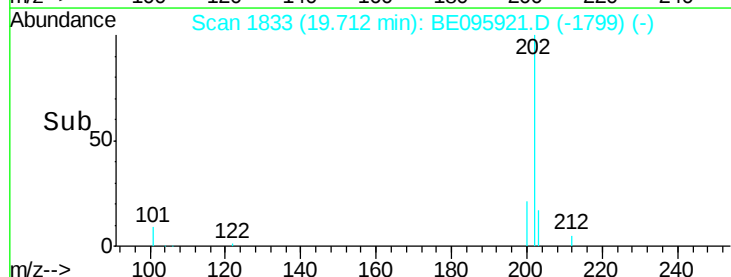
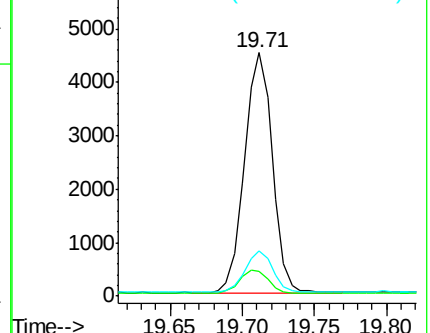
203 17.0 13.7 20.5

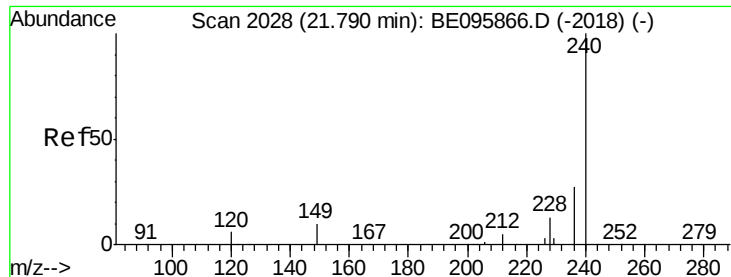


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

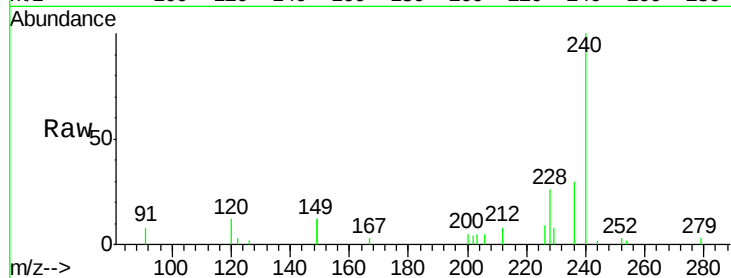
Tot Ion:240 Resp: 6304

Ion Ratio Lower Upper

240 100

120 12.5 5.5 8.3#

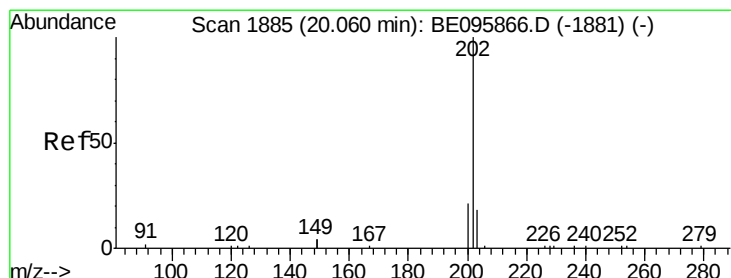
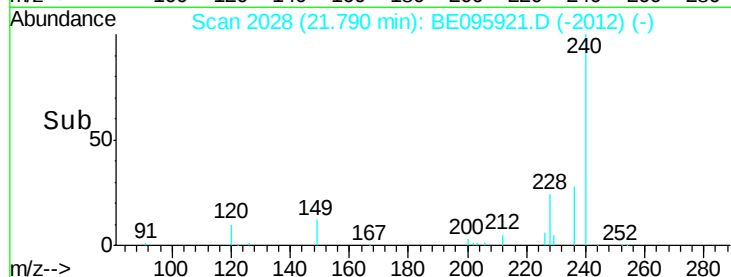
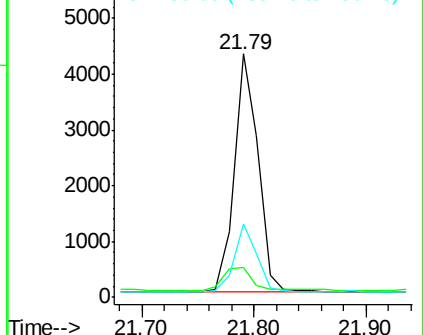
236 29.9 20.7 31.1



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: 0.288 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

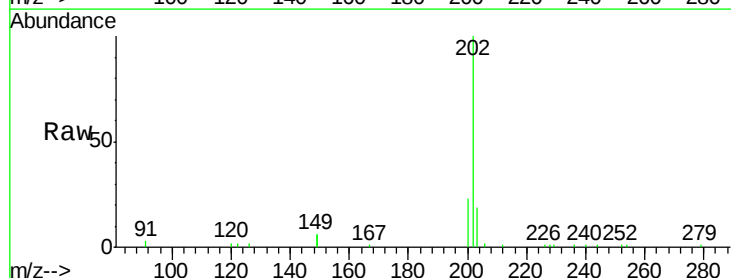
Tgt Ion:202 Resp: 7408

Ion Ratio Lower Upper

202 100

200 22.4 16.6 25.0

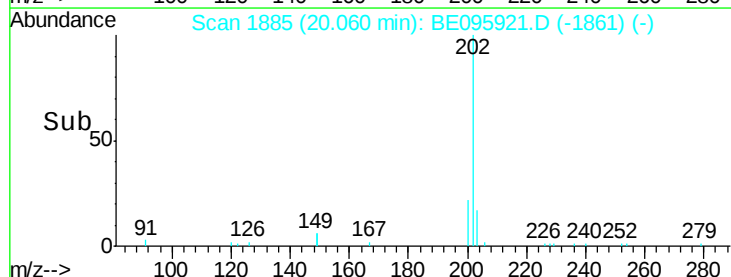
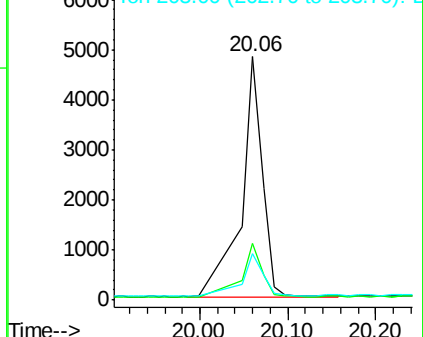
203 18.3 13.8 20.8

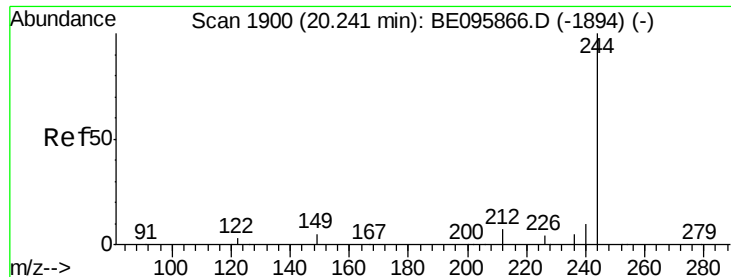


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.363 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampled :

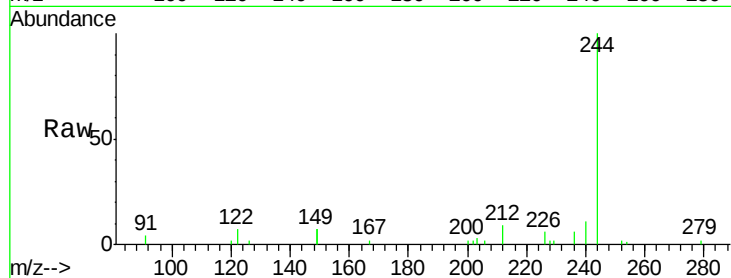
Tot Ion:244 Resp: 4863

Ion Ratio Lower Upper

244 100

212 8.7 25.4 38.0#

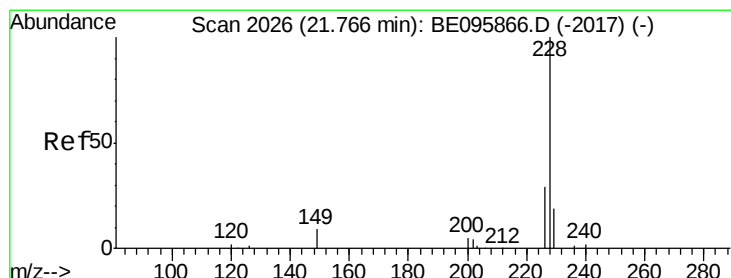
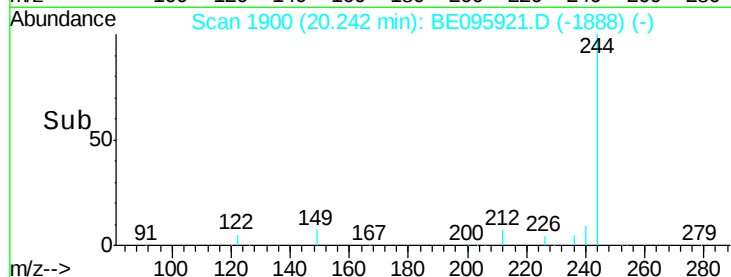
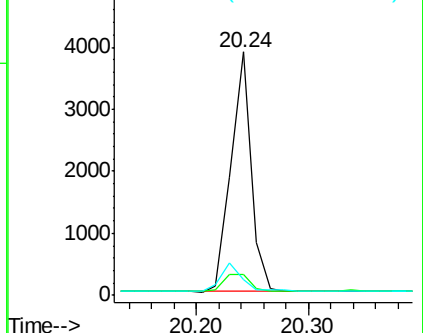
122 6.6 8.1 12.1#



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: 0.298 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

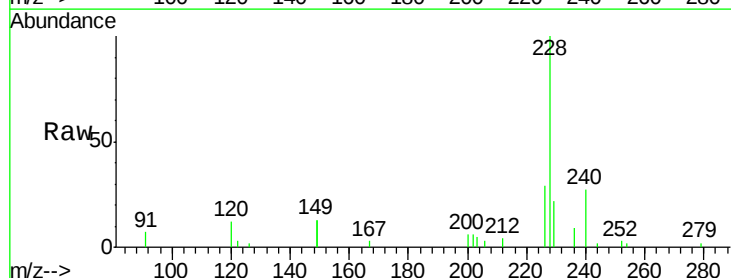
Tgt Ion:228 Resp: 6512

Ion Ratio Lower Upper

228 100

226 28.5 24.0 36.0

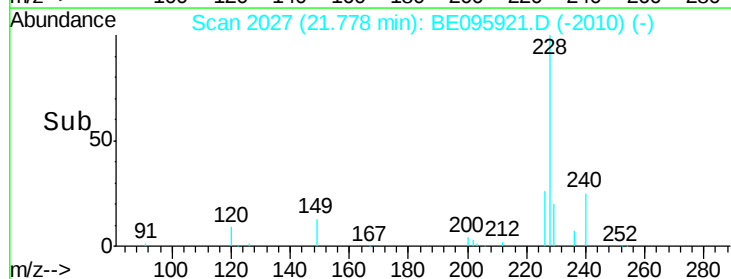
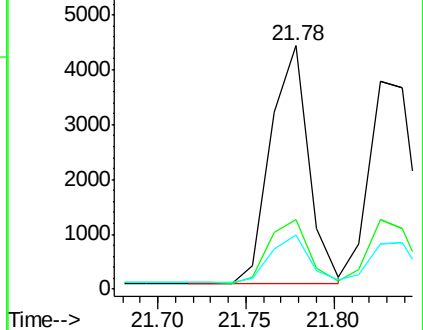
229 22.5 16.0 24.0

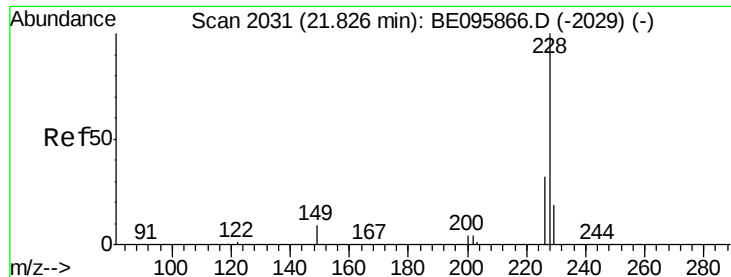


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.315 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampled :

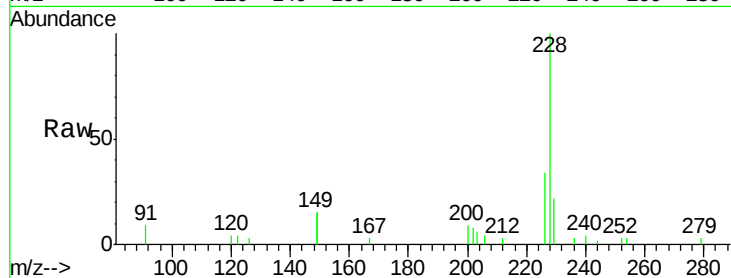
Tot Ion:228 Resp: 6281

Ion Ratio Lower Upper

228 100

226 33.7 24.0 36.0

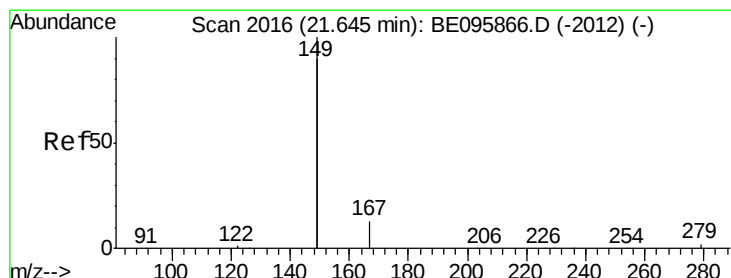
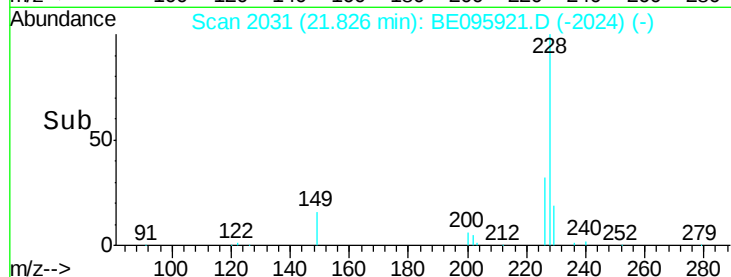
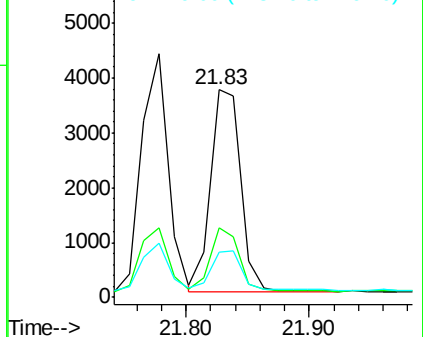
229 21.8 16.0 24.0



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: 0.248 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

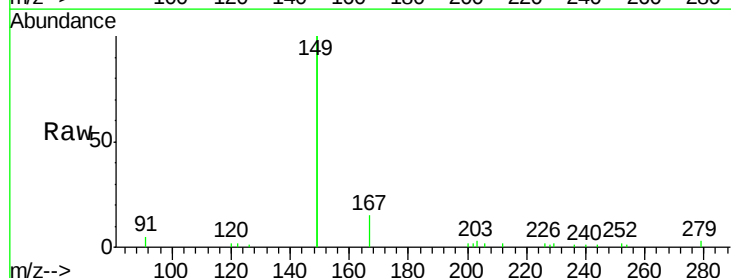
Tgt Ion:149 Resp: 16613

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

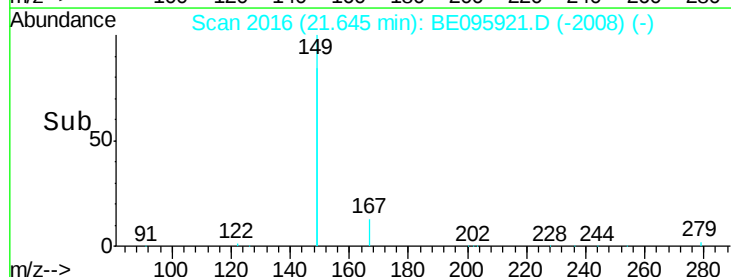
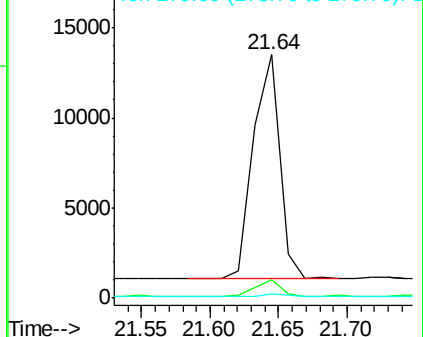
279 1.0 0.7 1.1

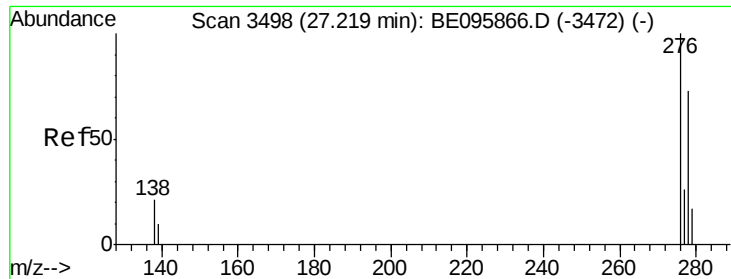


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

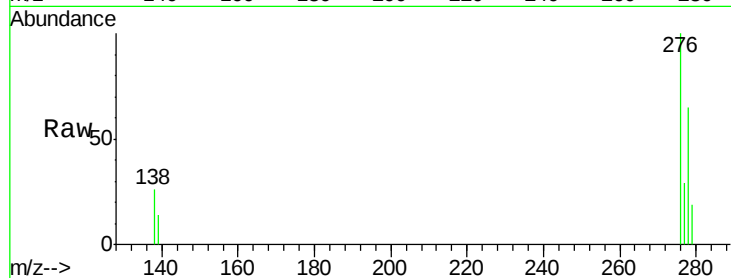




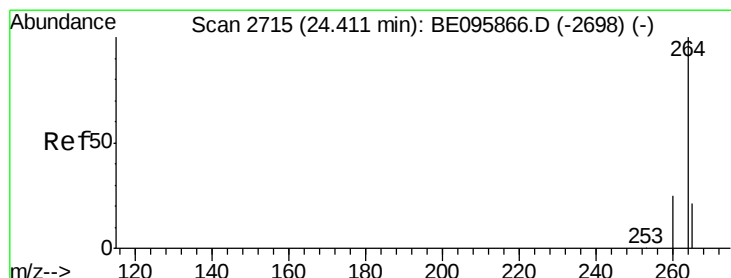
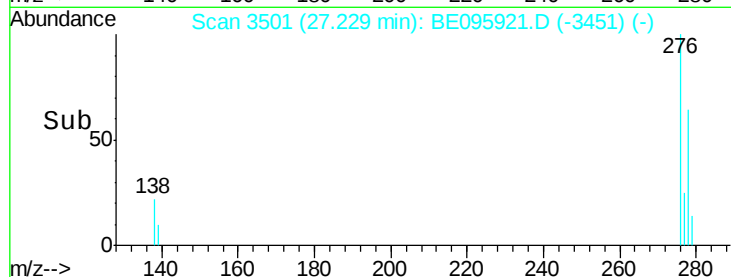
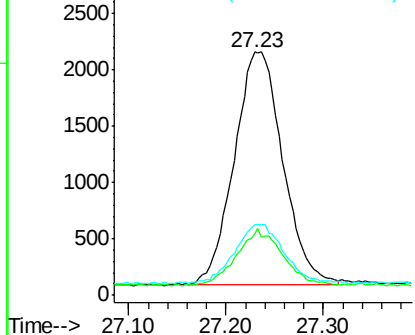
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.332 ng
RT: 27.23 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 7143
Ion Ratio Lower Upper
276 100
138 23.3 22.5 33.7
277 25.1 19.9 29.9

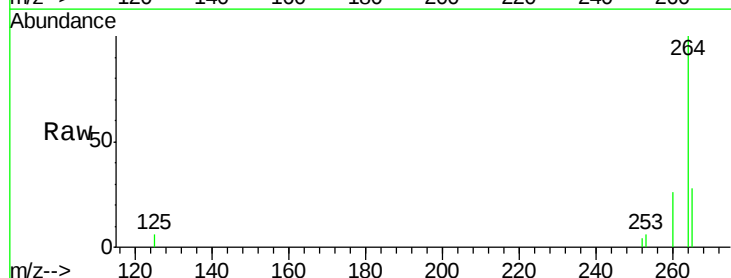


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

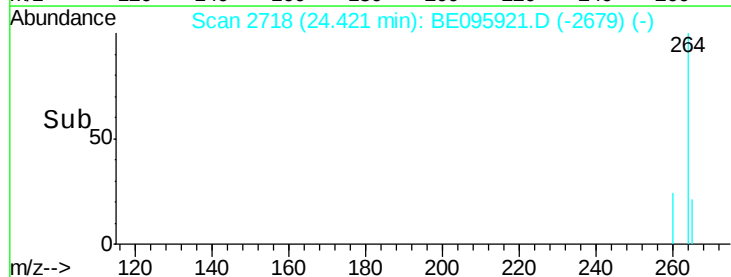
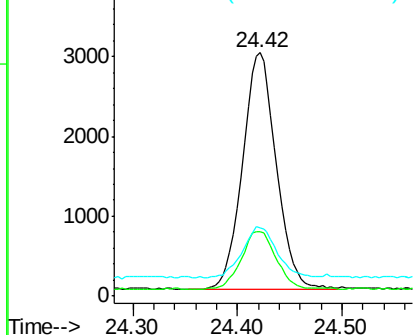


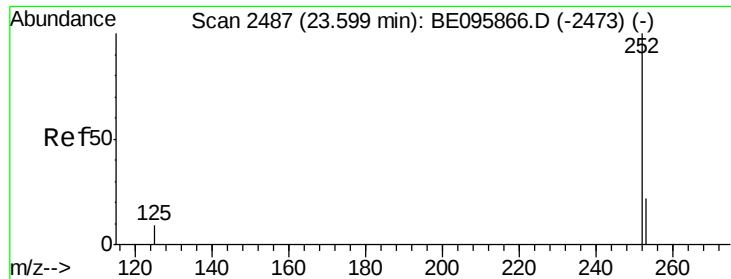
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BE095921.D
Acq: 2 Apr 2018 11:23

Tgt Ion:264 Resp: 6640
Ion Ratio Lower Upper
264 100
260 26.3 20.5 30.7
265 28.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.294 ng

RT: 23.61 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

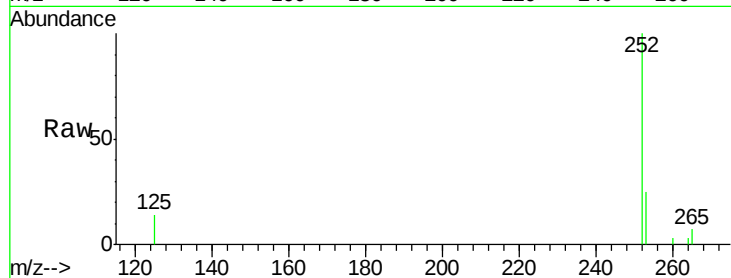
Tot Ion:252 Resp: 6450

Ion Ratio Lower Upper

252 100

253 24.8 20.0 30.0

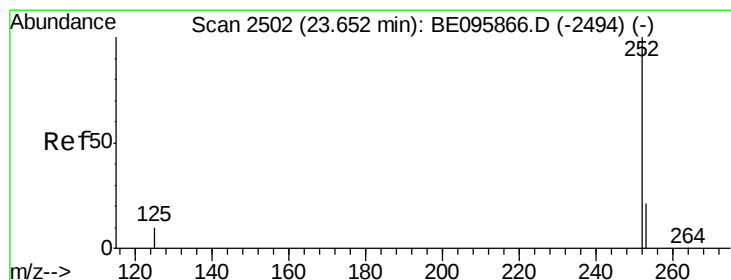
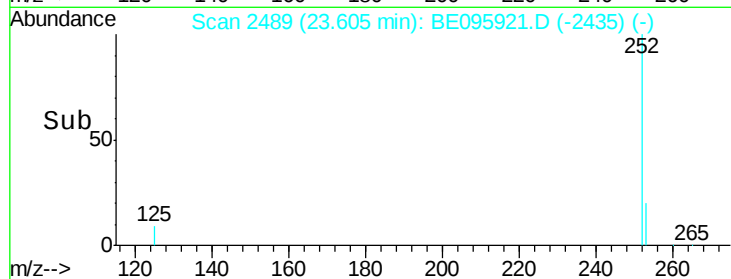
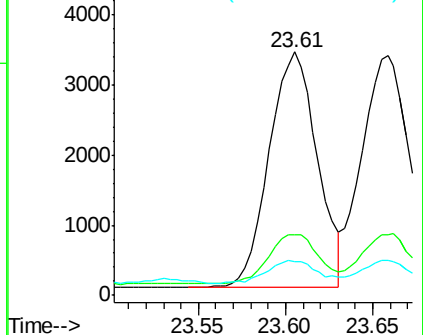
125 13.9 16.0 24.0#



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: 0.292 ng

RT: 23.66 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

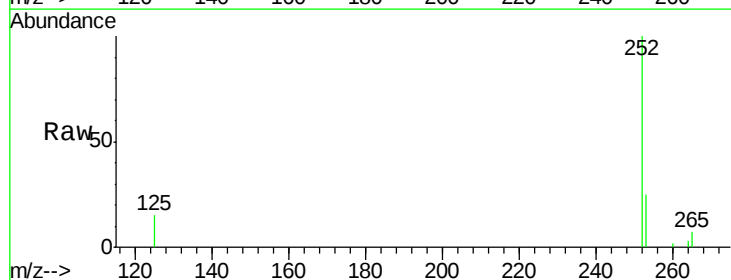
Tgt Ion:252 Resp: 6418

Ion Ratio Lower Upper

252 100

253 25.5 16.0 24.0#

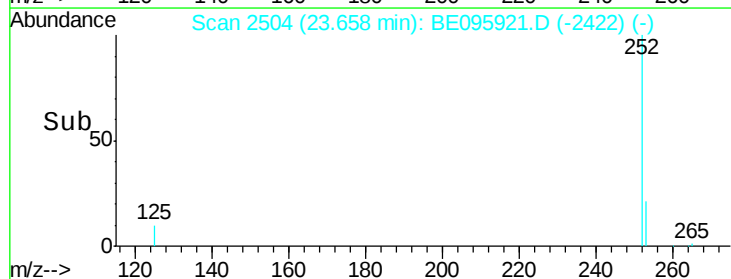
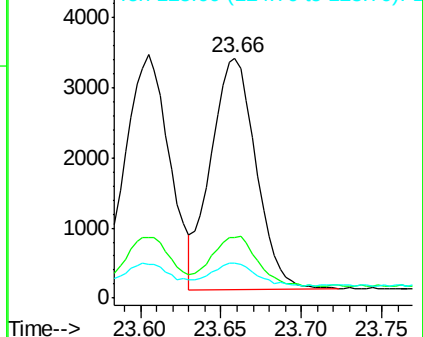
125 14.5 8.0 12.0#

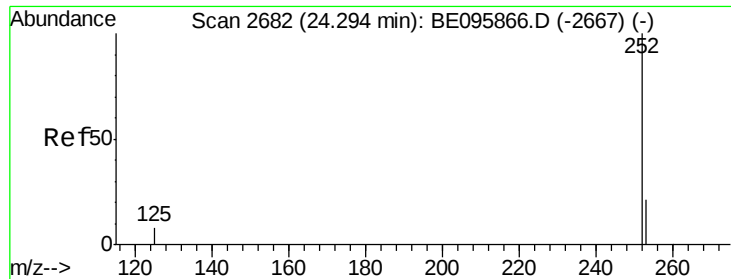


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.305 ng

RT: 24.30 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :

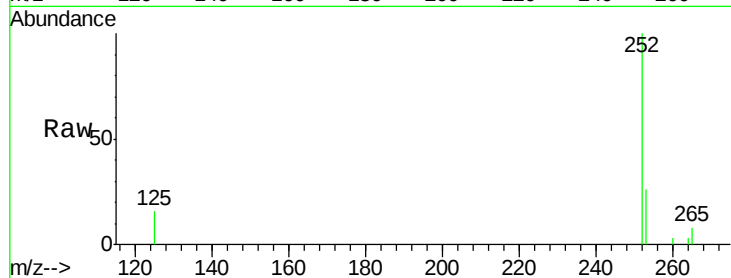
Tot Ion:252 Resp: 6284

Ion Ratio Lower Upper

252 100

253 26.1 16.0 24.0#

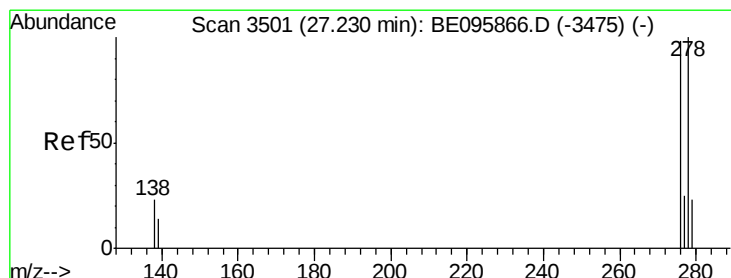
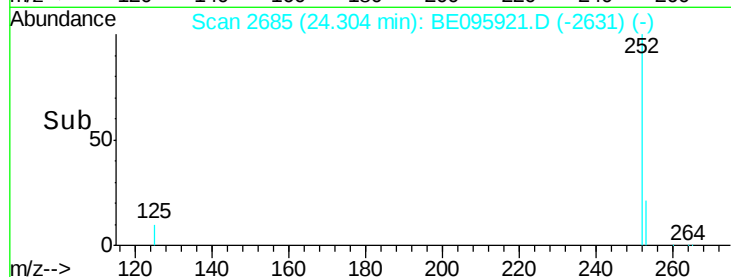
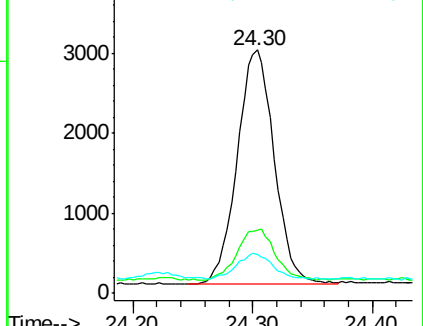
125 15.9 12.0 18.0



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: 0.300 ng

RT: 27.24 min Scan# 3505

Delta R.T. -0.02 min

Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

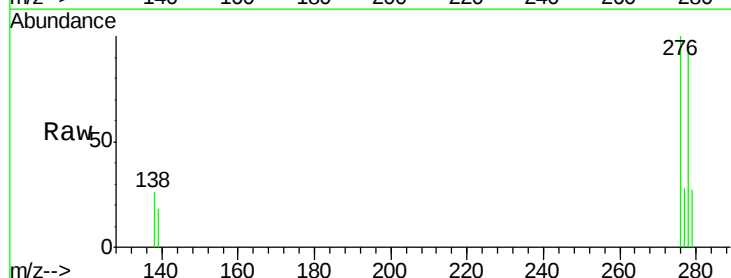
Tgt Ion:278 Resp: 5862

Ion Ratio Lower Upper

278 100

139 19.3 16.0 24.0

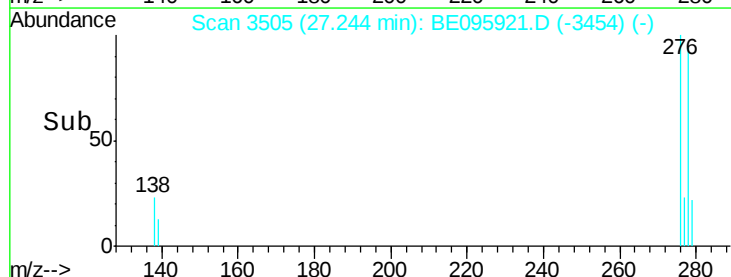
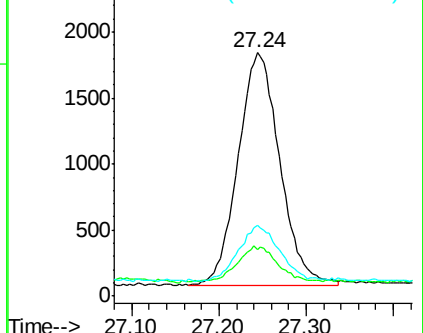
279 29.2 20.0 30.0

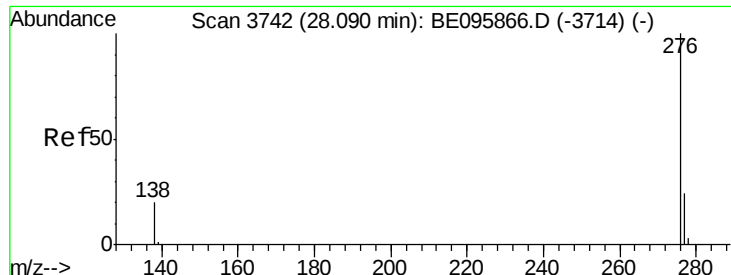


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.312 ng

RT: 28.11 min Scan# 3747

Delta R.T. -0.02 min

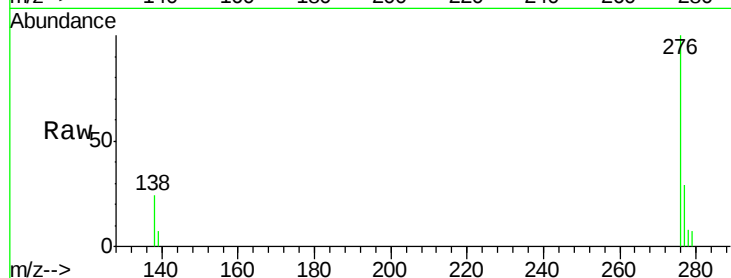
Lab File: BE095921.D

Acq: 2 Apr 2018 11:23

Instrument :

BNA_E

ClientSampleId :



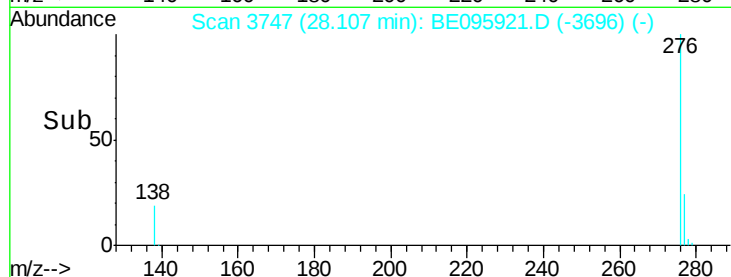
Tot Ion: 276 Resp: 6132

Ion Ratio Lower Upper

276 100

277 28.9 16.0 24.0#

138 23.7 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

