

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095832.D
 Acq On : 26 Mar 2018 9:04
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Mar 27 05:38:59 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	8.42	152	1140	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4413	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2673	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6660	0.40	ng	0.00
27) Chrysene-d12	21.79	240	7807	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7409	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1498	0.40	ng	0.00
5) Phenol-d6	7.56	99	2040	0.39	ng	0.00
8) Nitrobenzene-d5	9.59	82	2074	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3040	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	552	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	4535	0.40	ng	-0.01
25) Fluoranthene-d10	19.68	212	39349	0.40	ng	0.00
29) Terphenyl-d14	20.24	244	6572	0.40	ng	0.00

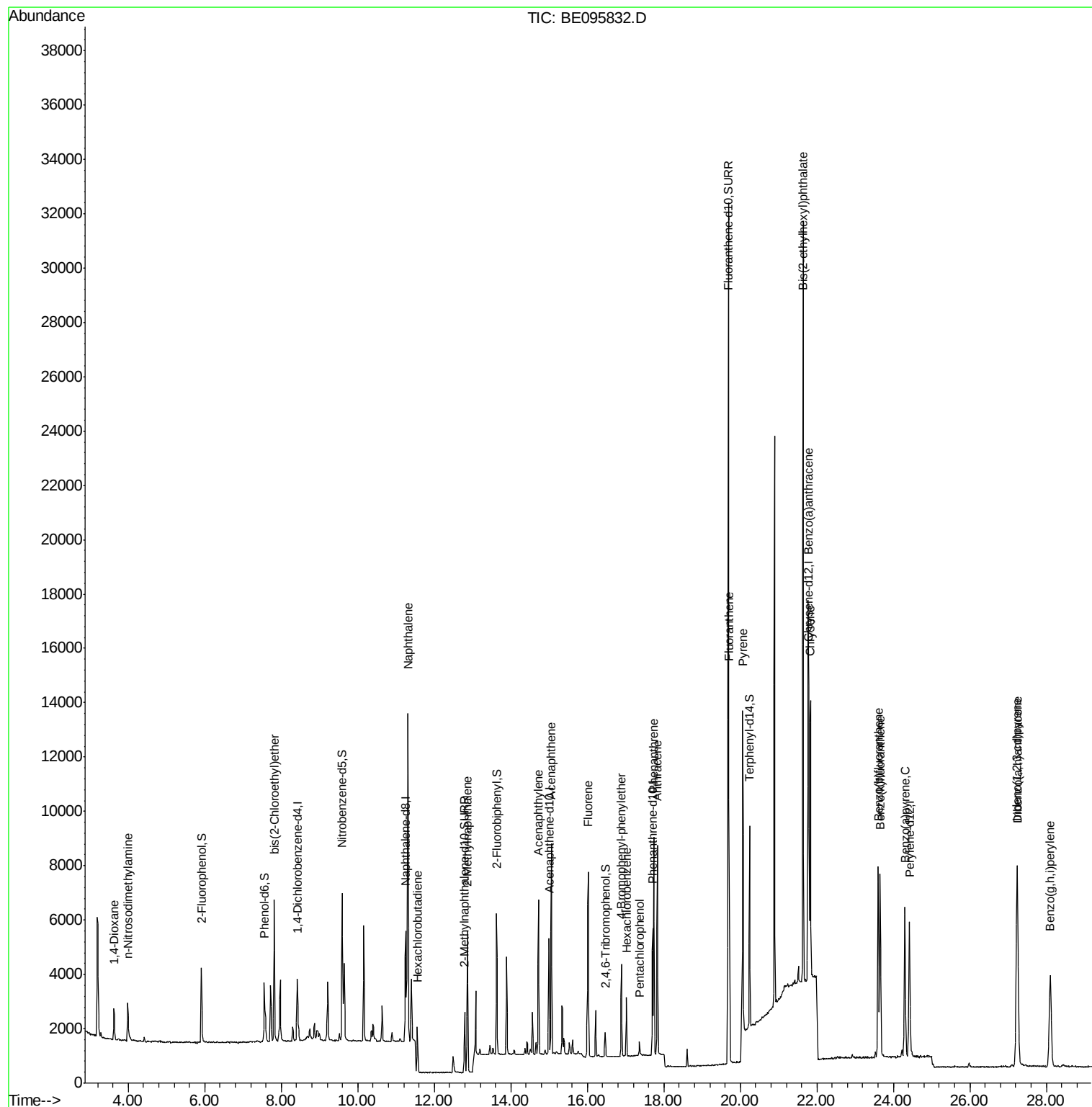
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.63	88	742	0.398	ng	# 90
3) n-Nitrosodimethylamine	3.99	42	994	0.363	ng	# 84
6) bis(2-Chloroethyl)ether	7.81	93	1777	0.399	ng	# 94
9) Naphthalene	11.31	128	20719	0.411	ng	# 100
10) Hexachlorobutadiene	11.56	225	1401	0.405	ng	# 96
12) 2-Methylnaphthalene	12.87	142	3527	0.410	ng	# 95
16) Acenaphthylene	14.73	152	6161	0.403	ng	# 99
17) Acenaphthene	15.06	154	3736	0.401	ng	# 95
18) Fluorene	16.03	166	4817	0.393	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1627	0.406	ng	# 86
21) Hexachlorobenzene	17.02	284	1578	0.395	ng	# 82
22) Pentachlorophenol	17.36	266	325	0.346	ng	# 76
23) Phenanthrene	17.74	178	8176	0.410	ng	# 99
24) Anthracene	17.84	178	7979	0.400	ng	# 95
26) Fluoranthene	19.71	202	11092	0.401	ng	# 97
28) Pyrene	20.06	202	14347	0.451	ng	# 97
30) Benzo(a)anthracene	21.78	228	10879	0.402	ng	# 97
31) Chrysene	21.84	228	10235	0.414	ng	# 99
32) Bis(2-ethylhexyl)phthalate	21.64	149	30754	0.371	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10645	0.400	ng	# 94
35) Benzo(b)fluoranthene	23.60	252	10214	0.417	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	9999	0.408	ng	# 93
37) Benzo(a)pyrene	24.30	252	9405	0.409	ng	# 92
38) Dibenzo(a,h)anthracene	27.25	278	8839	0.405	ng	# 97
39) Benzo(g,h,i)perylene	28.10	276	8928	0.407	ng	# 92

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

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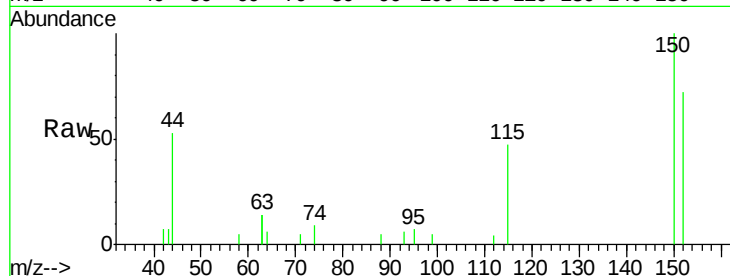


#1

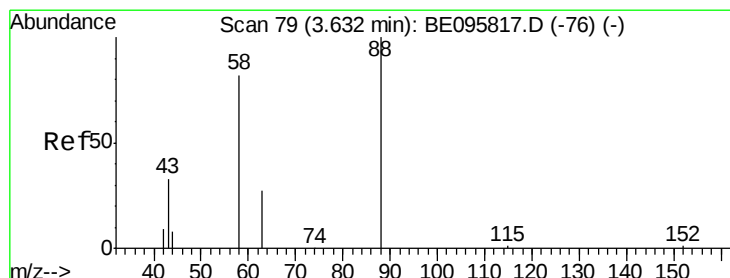
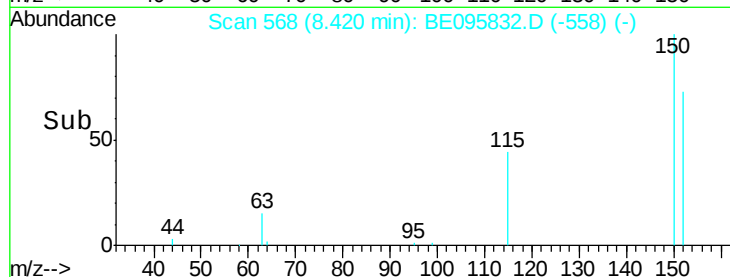
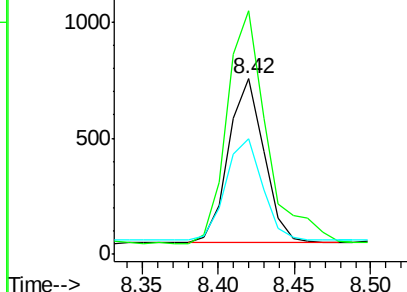
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 1140
Ion Ratio Lower Upper
152 100
150 138.9 117.2 175.8
115 65.6 57.0 85.6



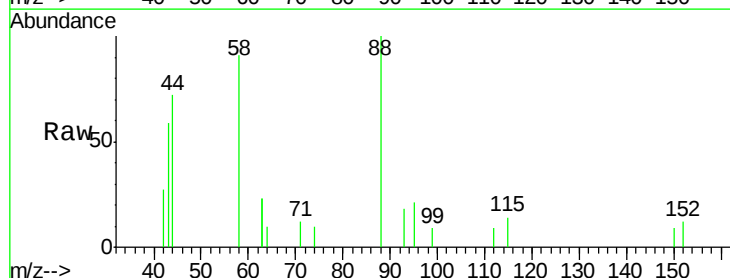
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



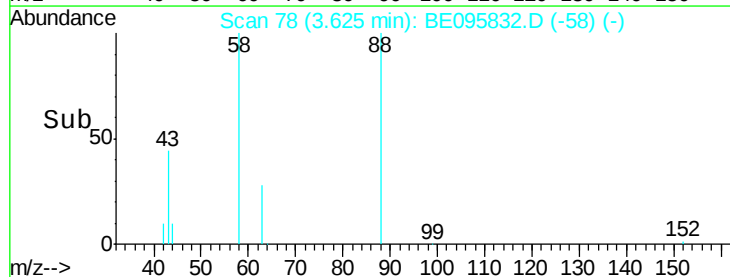
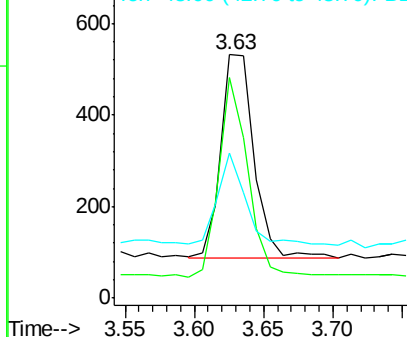
#2

1,4-Dioxane
Concen: 0.398 ng
RT: 3.63 min Scan# 78
Delta R.T. -0.01 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

Tgt Ion: 88 Resp: 742
Ion Ratio Lower Upper
88 100
58 83.0 63.2 94.8
43 38.4 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



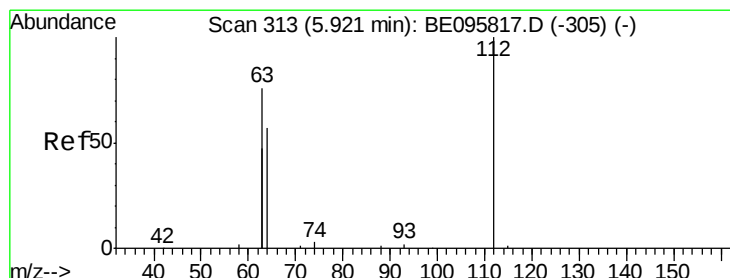
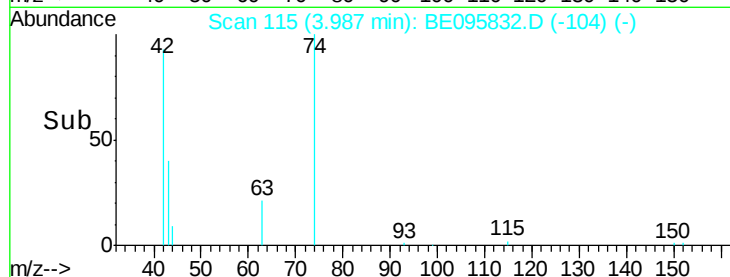
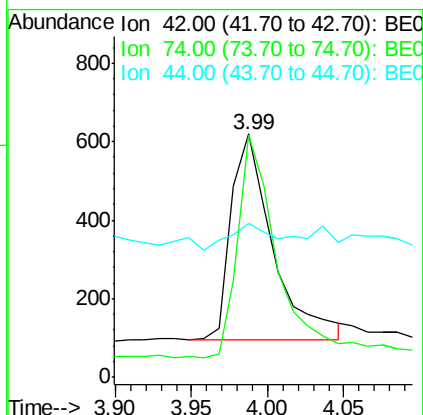
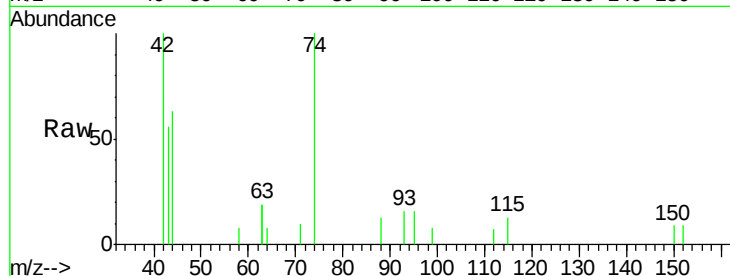


#3

n-Nitrosodimethylamine
 Concen: 0.363 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095832.D
 Acq: 26 Mar 2018 9:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

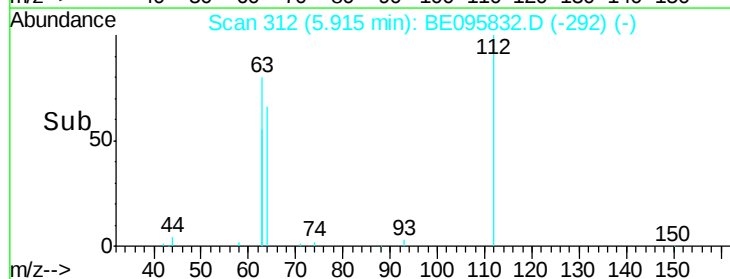
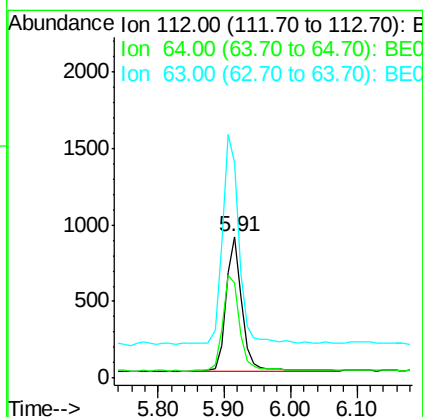
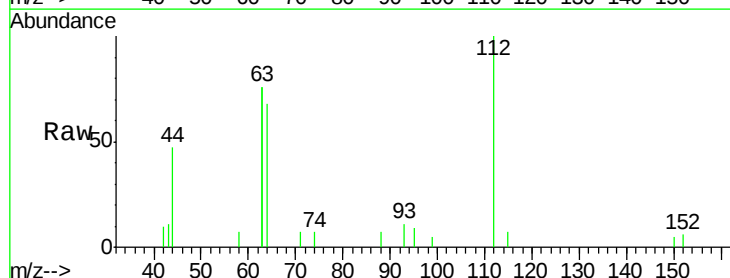
Tot Ion: 42 Resp: 994
 Ion Ratio Lower Upper
 42 100
 74 101.2 96.0 144.0
 44 12.3 12.0 18.0

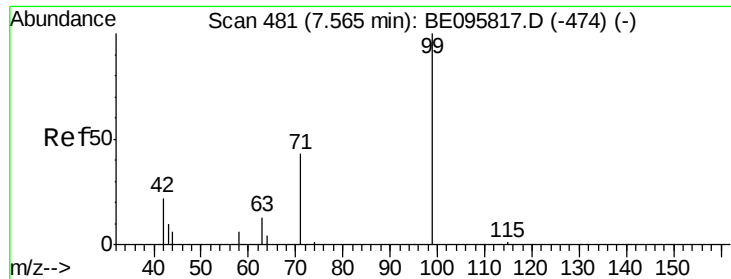


#4

2-Fluorophenol
 Concen: 0.399 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095832.D
 Acq: 26 Mar 2018 9:04

Tgt Ion: 112 Resp: 1498
 Ion Ratio Lower Upper
 112 100
 64 75.0 60.1 90.1
 63 157.9 116.8 175.2





#5

Phenol-d6

Concen: 0.395 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

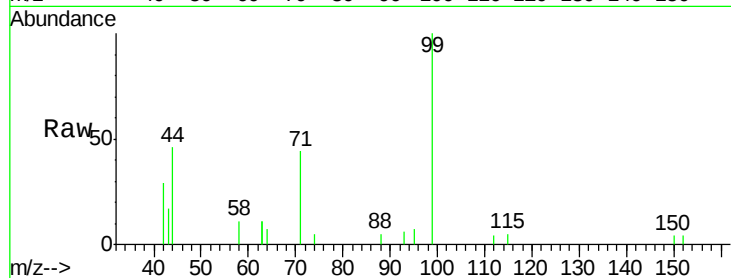
Tot Ion: 99 Resp: 2040

Ion Ratio Lower Upper

99 100

42 28.0 20.2 30.2

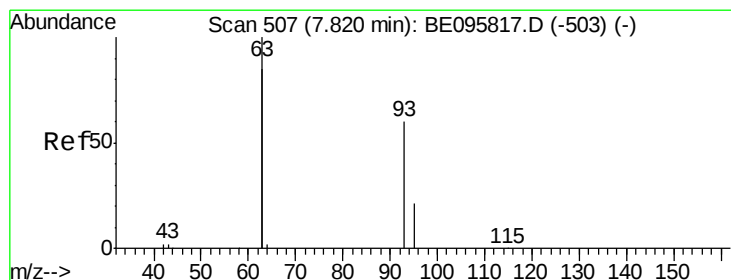
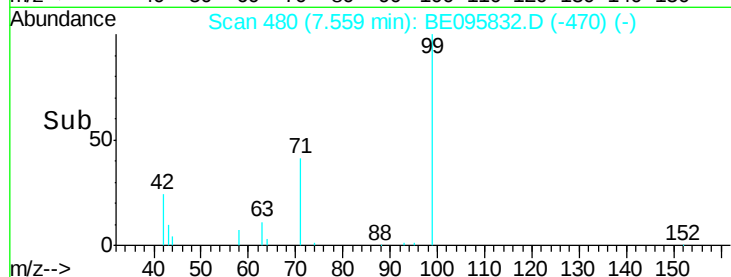
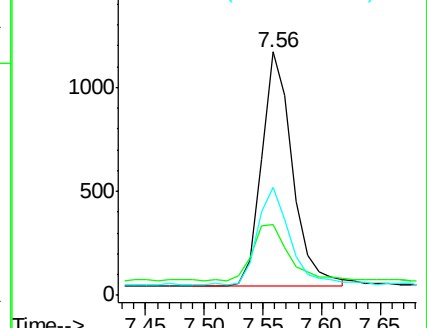
71 43.7 28.4 42.6#



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: 0.399 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

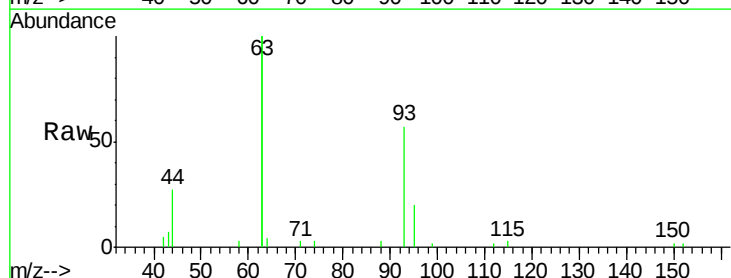
Tgt Ion: 93 Resp: 1777

Ion Ratio Lower Upper

93 100

63 329.8 275.3 412.9

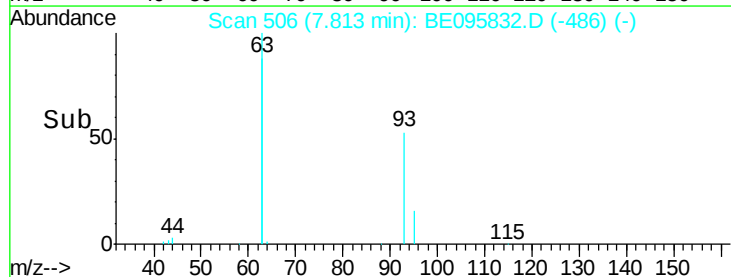
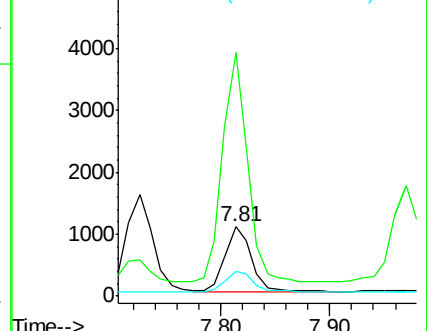
95 33.1 25.2 37.8

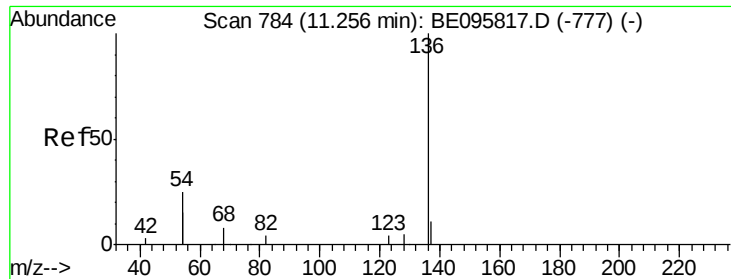


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 4413

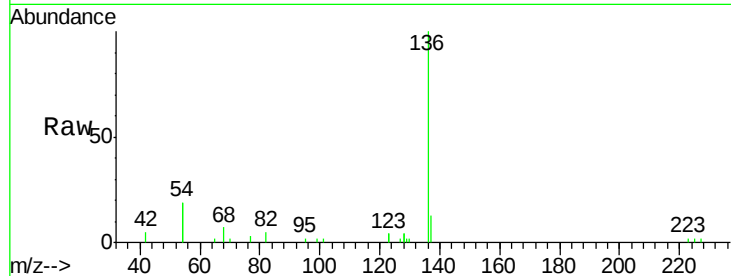
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 37.9 29.1 43.7

68 7.3 6.2 9.2

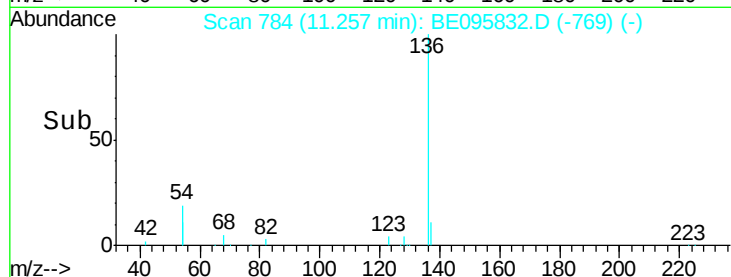


Abundance Ion 136.00 (135.70 to 136.70): E

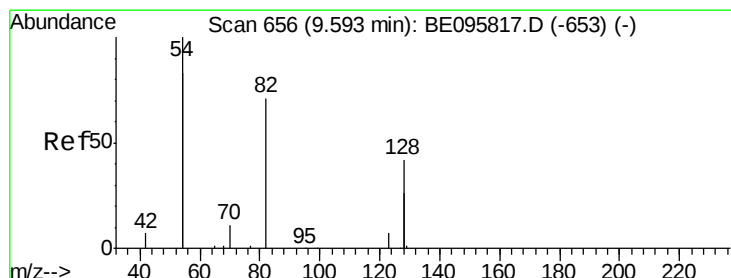
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 11.10 11.20 11.30 11.40



#8

Nitrobenzene-d5

Concen: 0.398 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

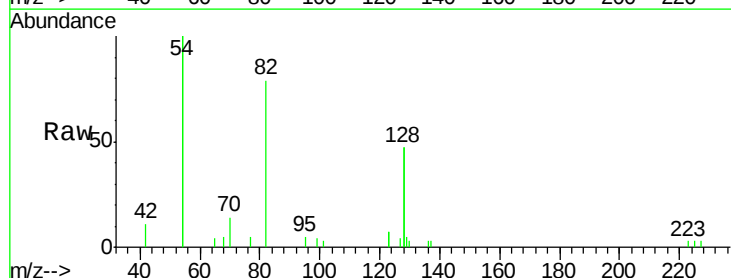
Tgt Ion: 82 Resp: 2074

Ion Ratio Lower Upper

82 100

128 119.7 150.0 225.0#

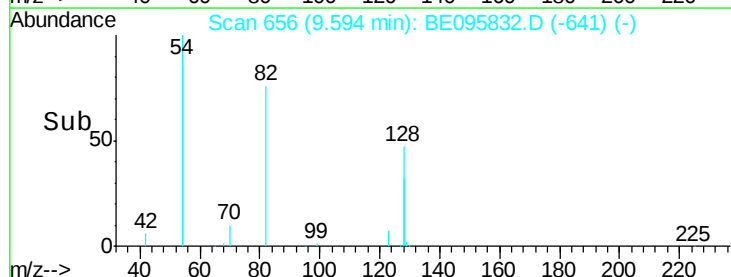
54 252.2 154.2 231.4#



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



Time--> 9.50 9.60 9.70



#9

Naphthalene

Concen: 0.411 ng

RT: 11.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

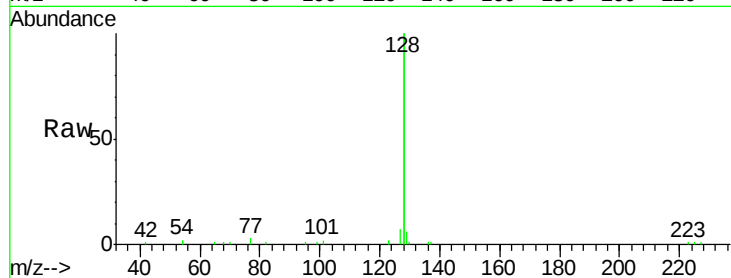
Tot Ion:128 Resp: 20719

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

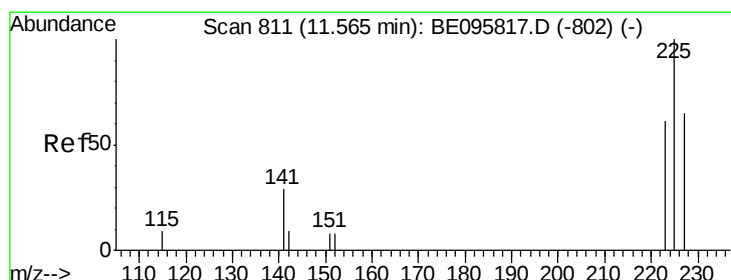
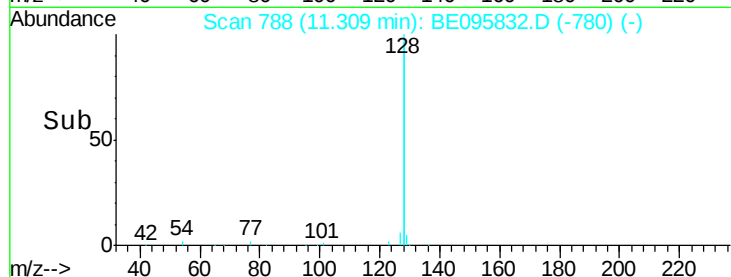
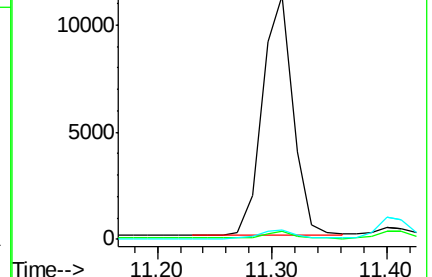
127 3.6 2.8 4.2



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: 0.405 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

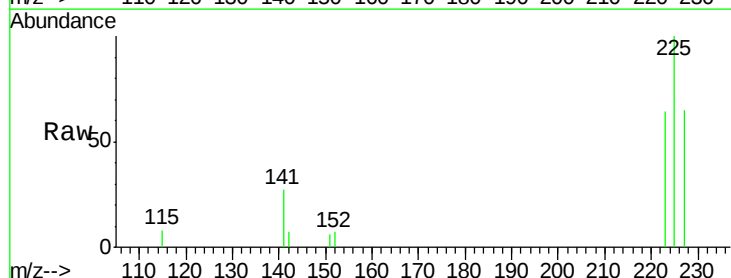
Tgt Ion:225 Resp: 1401

Ion Ratio Lower Upper

225 100

223 63.1 53.0 79.6

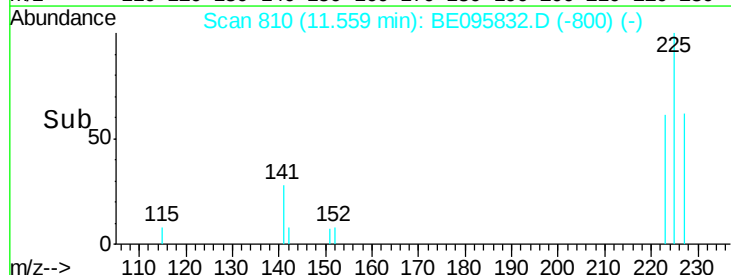
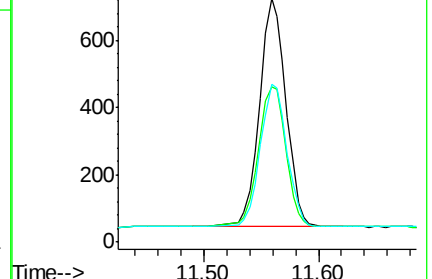
227 61.8 51.4 77.2

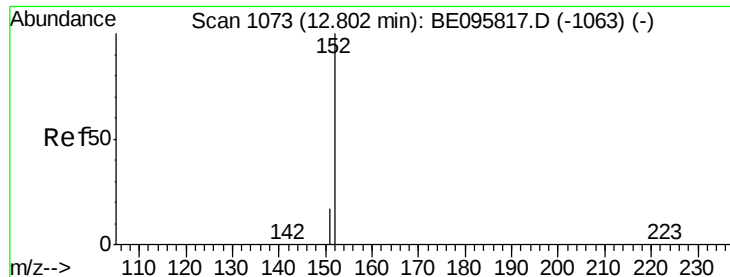


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.413 ng

RT: 12.80 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

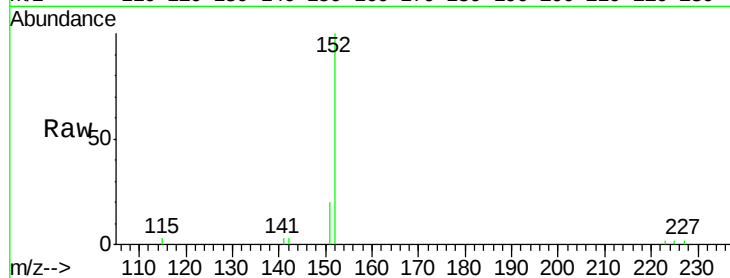
SSTDCCC0.4

Tot Ion:152 Resp: 3040

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

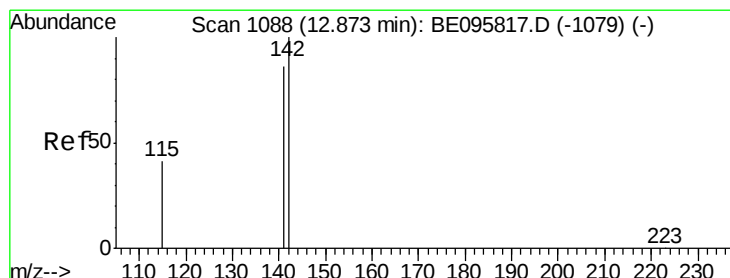
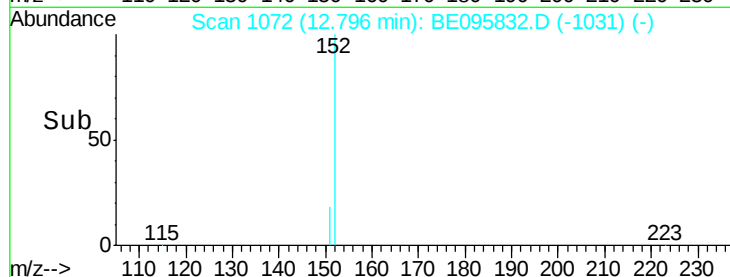
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 12.87 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

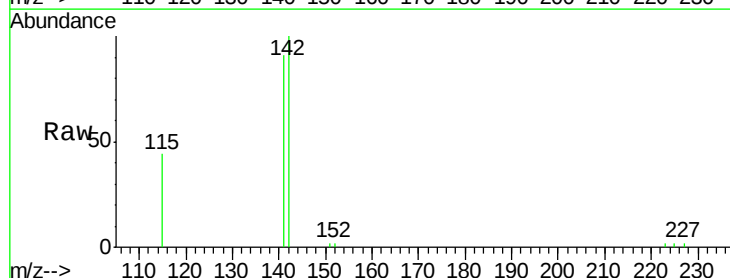
Tgt Ion:142 Resp: 3527

Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

115 43.9 31.7 47.5



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

3000

2500

2000

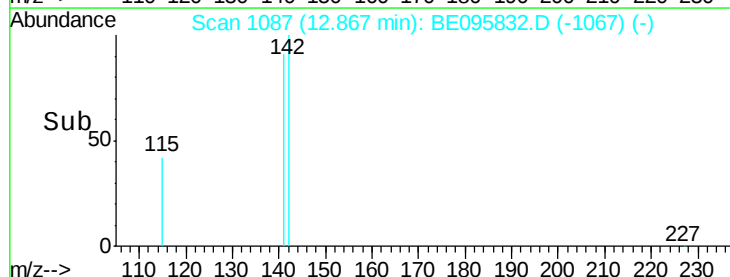
1500

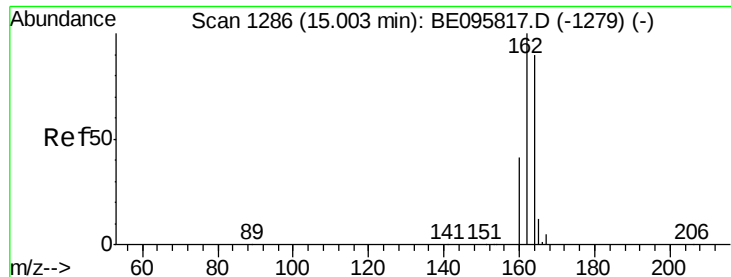
1000

500

0

Time--> 12.80 12.85 12.90 12.95





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

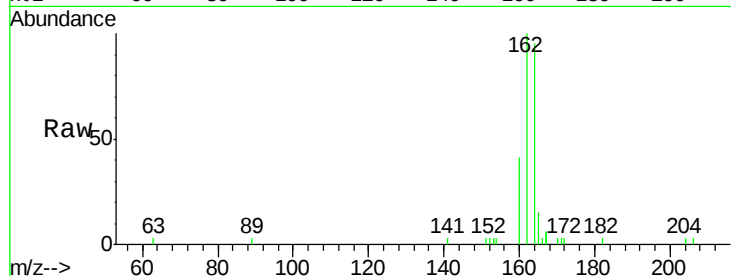
Tot Ion:164 Resp: 2673

Ion Ratio Lower Upper

164 100

162 104.8 83.1 124.7

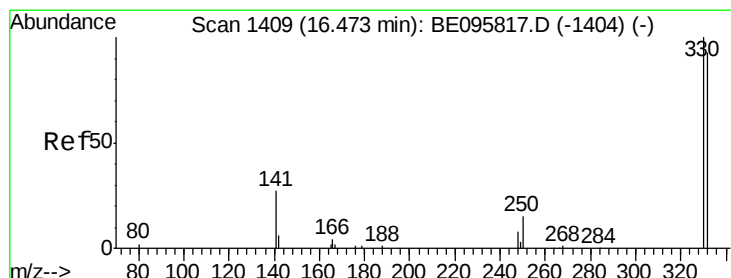
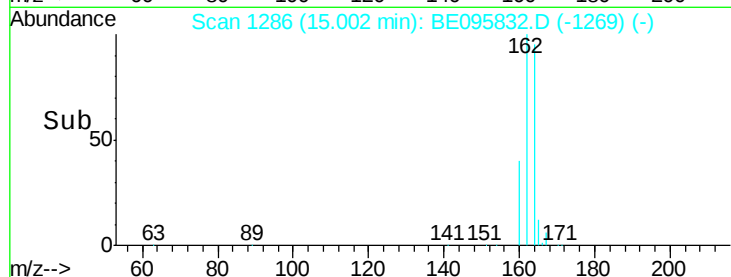
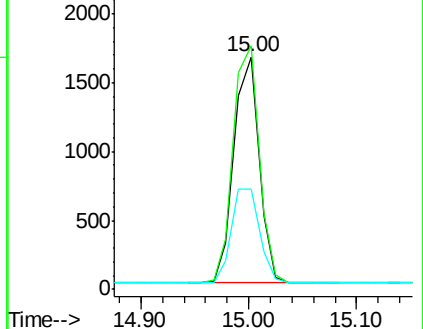
160 43.3 37.1 55.7



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: 0.358 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

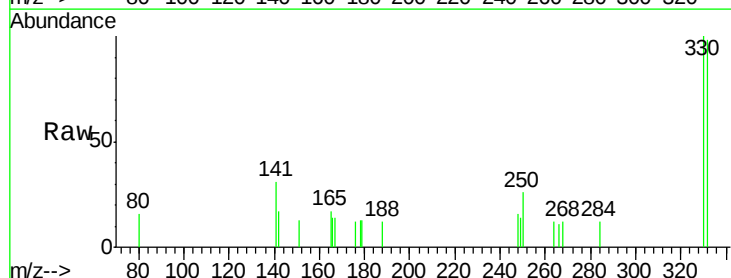
Tgt Ion:330 Resp: 552

Ion Ratio Lower Upper

330 100

332 98.2 152.7 229.1#

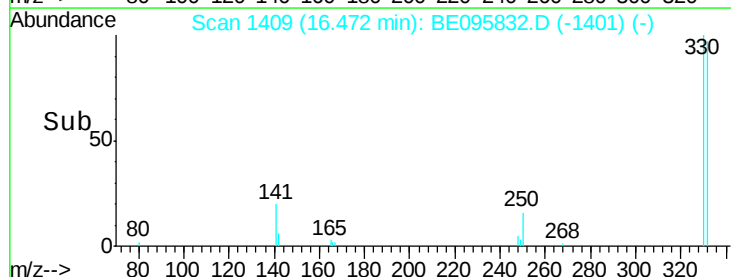
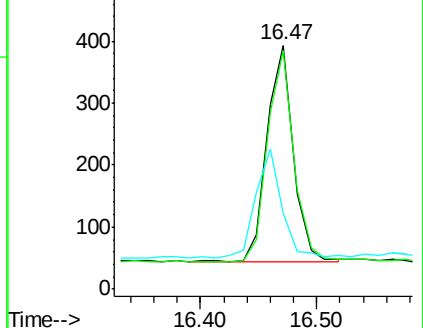
141 50.4 33.7 50.5

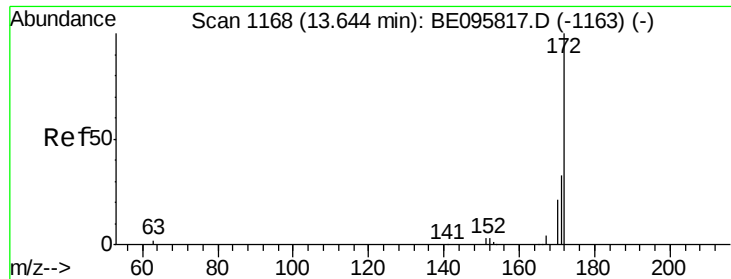


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

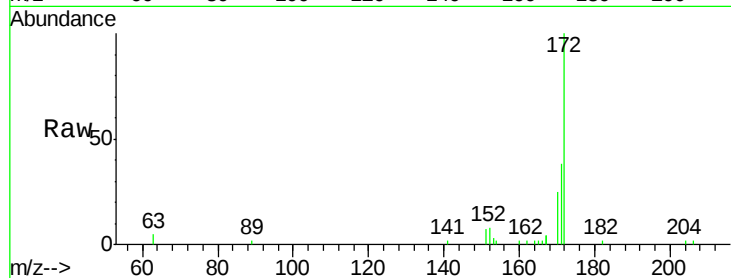




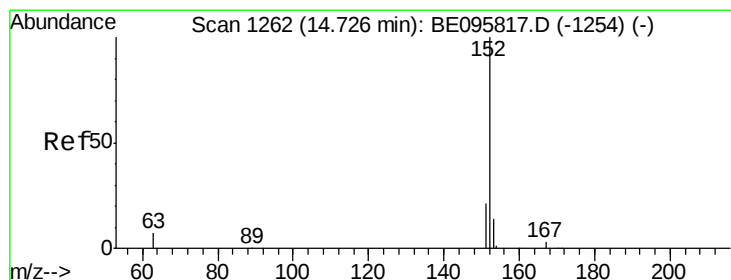
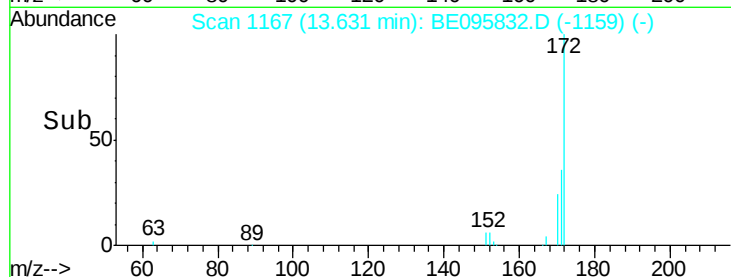
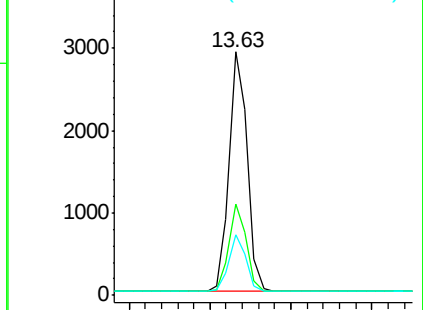
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 4535
Ion Ratio Lower Upper
172 100
171 37.6 29.9 44.9
170 24.9 21.8 32.8

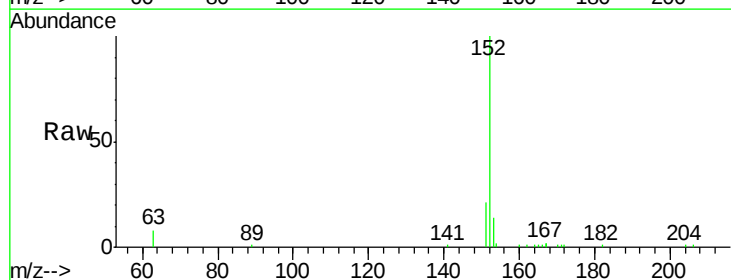


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

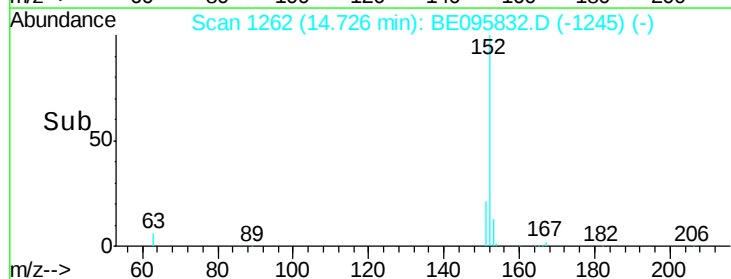
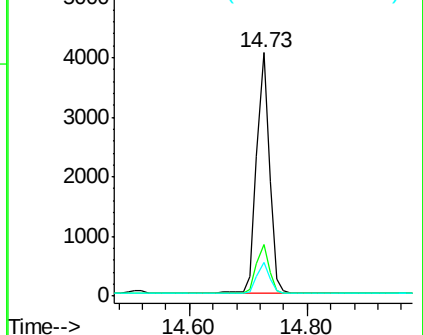


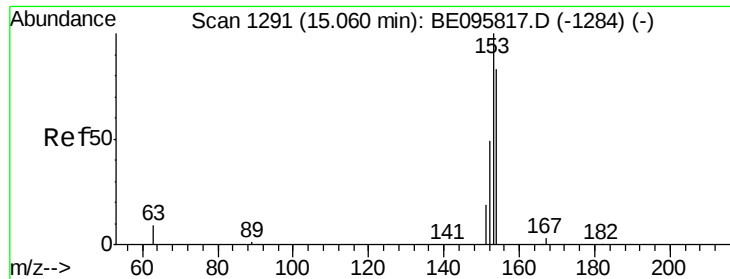
#16
Acenaphthylene
Concen: 0.403 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

Tgt Ion:152 Resp: 6161
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 12.8 10.5 15.7



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: 0.401 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

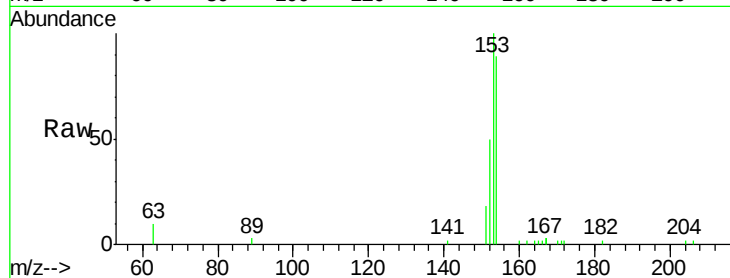
Tot Ion:154 Resp: 3736

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

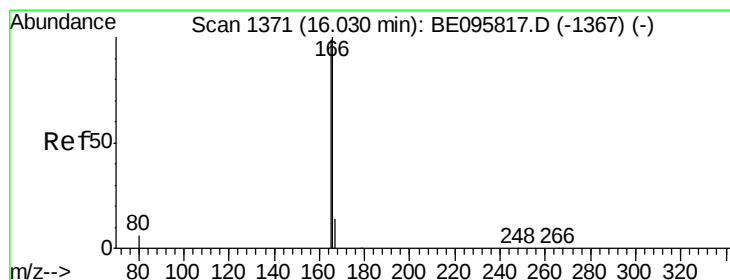
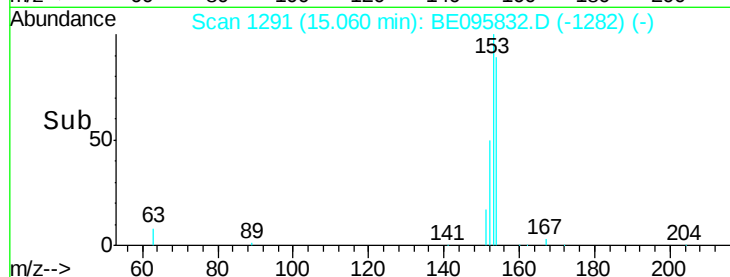
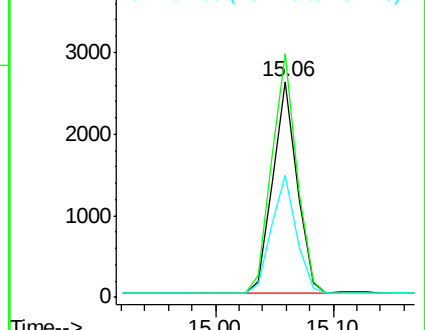
152 56.9 42.0 63.0



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: 0.393 ng

RT: 16.03 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

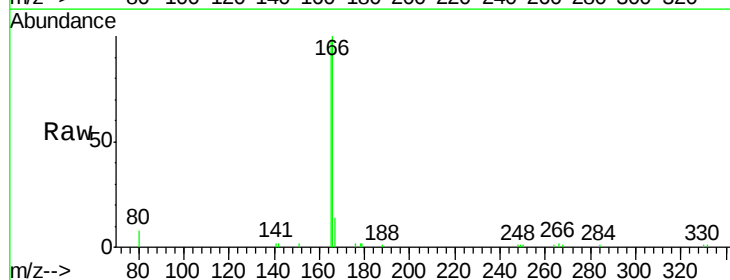
Tgt Ion:166 Resp: 4817

Ion Ratio Lower Upper

166 100

165 101.4 77.8 116.6

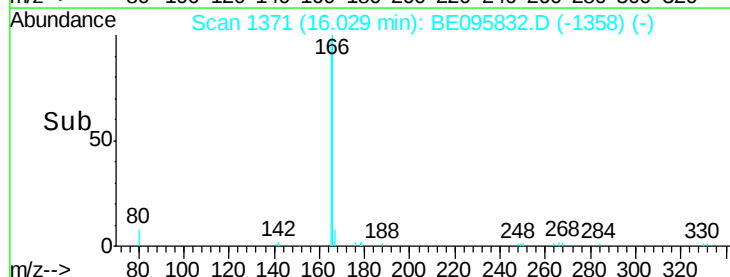
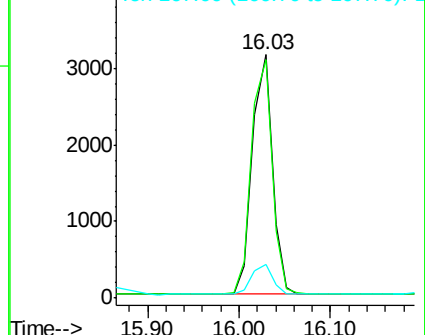
167 13.5 42.4 63.6#

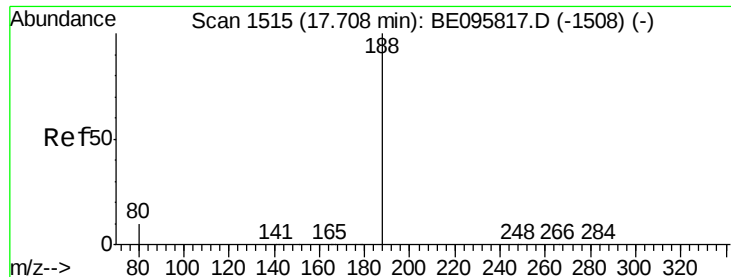


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

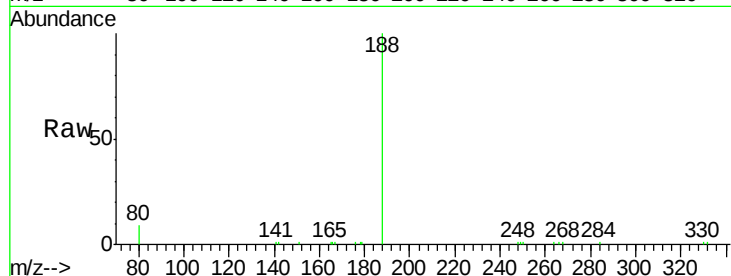
Tot Ion:188 Resp: 6660

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

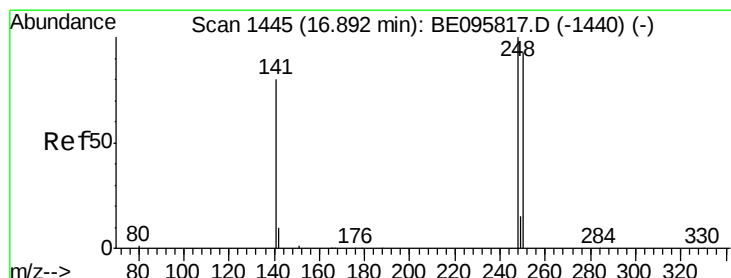
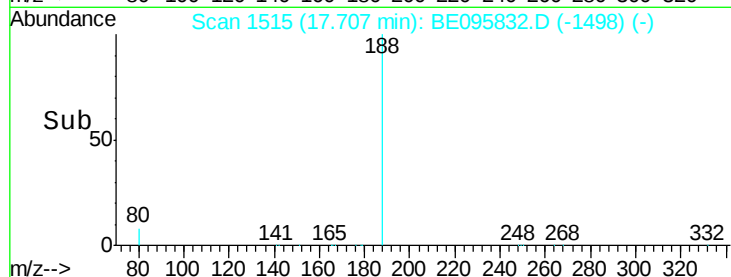
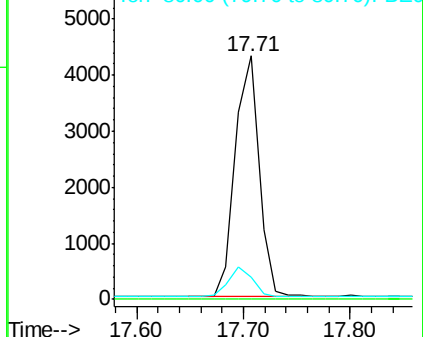
80 9.1 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

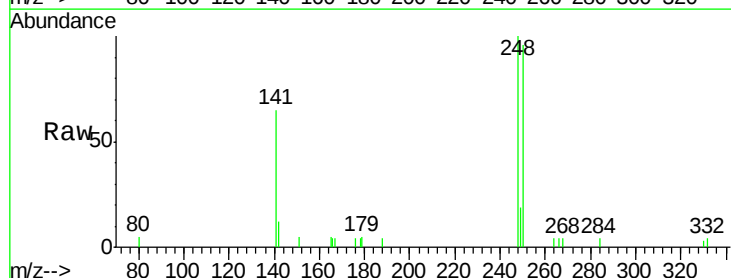
Tgt Ion:248 Resp: 1627

Ion Ratio Lower Upper

248 100

250 95.5 62.7 94.1#

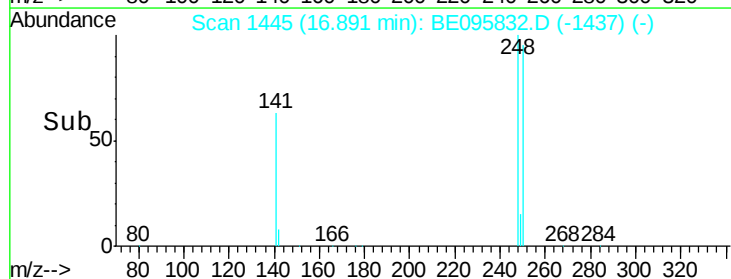
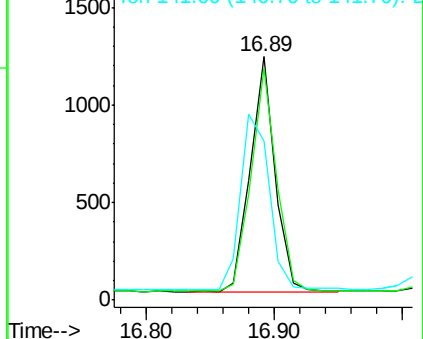
141 65.4 48.2 72.2

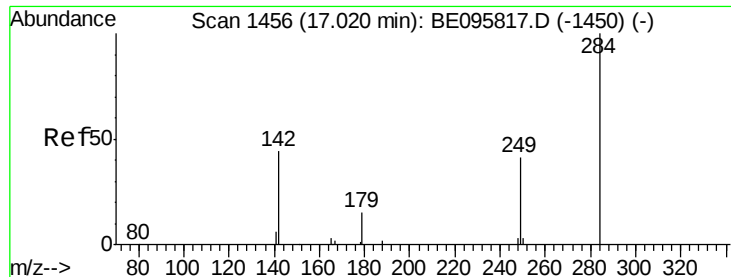


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

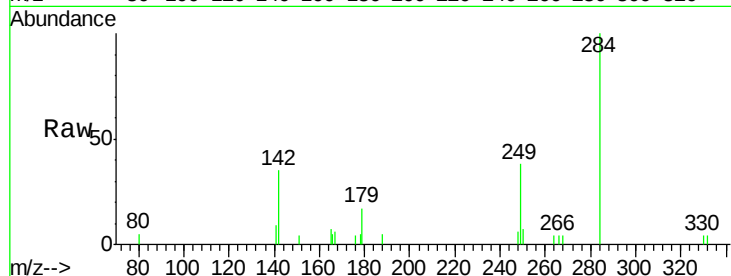
Tot Ion:284 Resp: 1578

Ion Ratio Lower Upper

284 100

142 42.4 22.1 33.1#

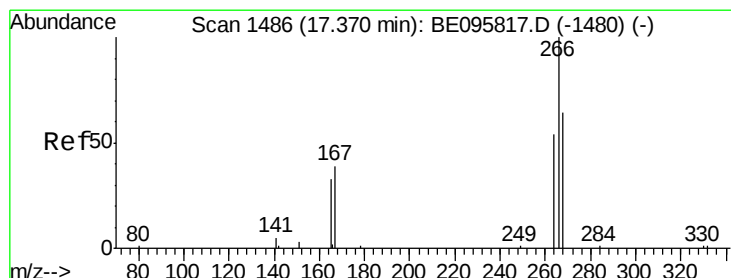
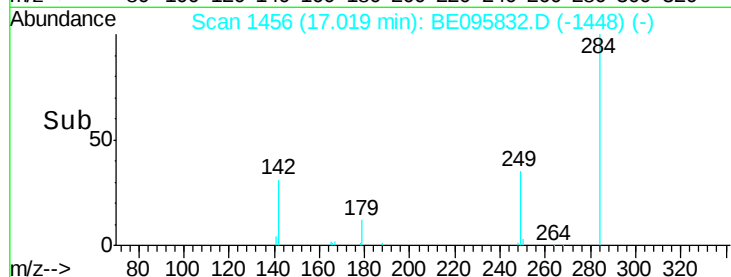
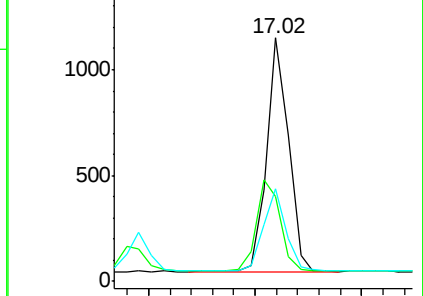
249 36.2 34.8 52.2



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



#22

Pentachlorophenol

Concen: 0.346 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

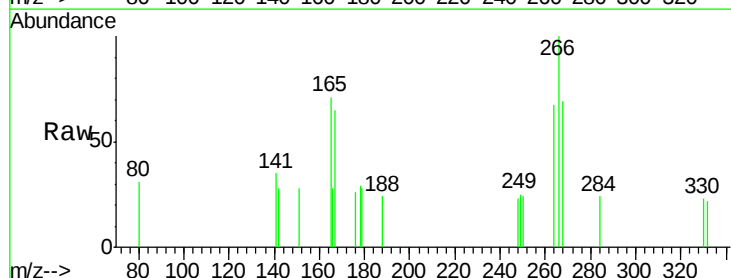
Tgt Ion:266 Resp: 325

Ion Ratio Lower Upper

266 100

264 67.2 72.5 108.7#

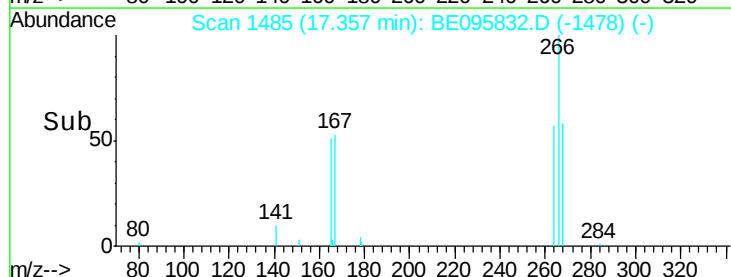
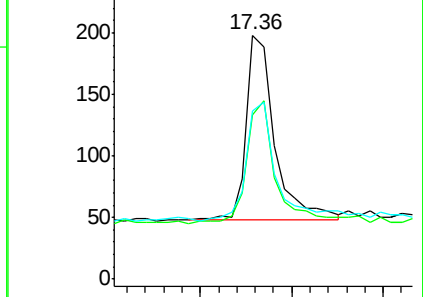
268 69.2 73.8 110.6#

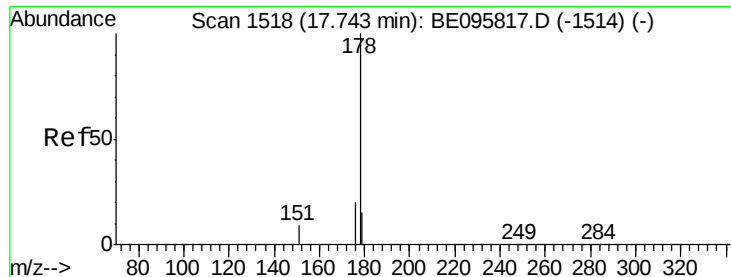


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

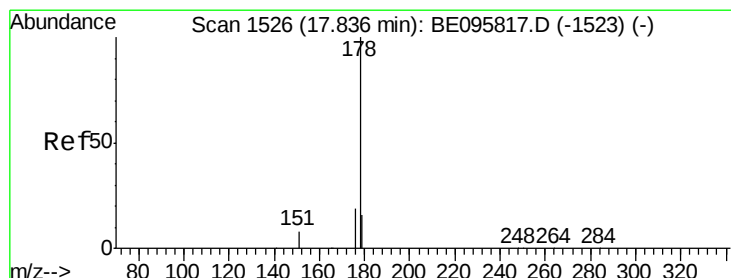
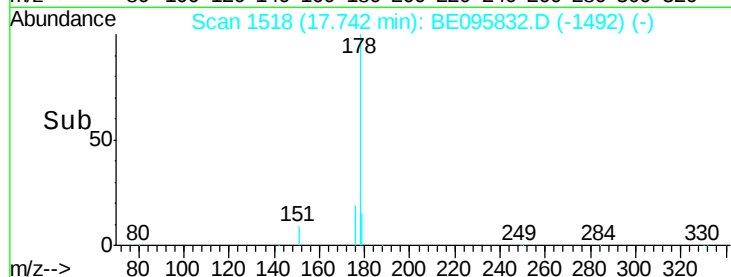
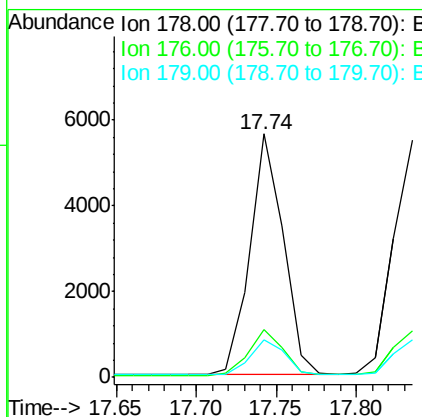
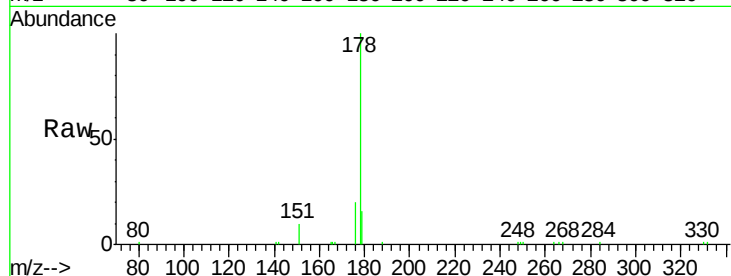




#23
Phenanthrene
Concen: 0.410 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

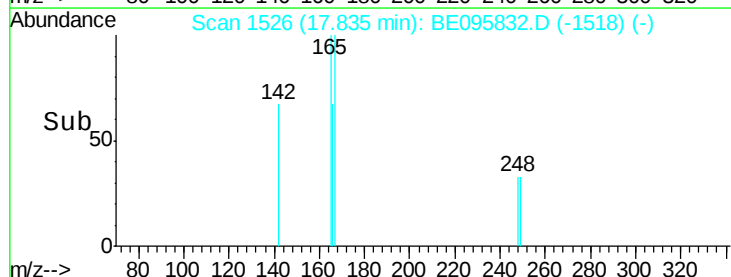
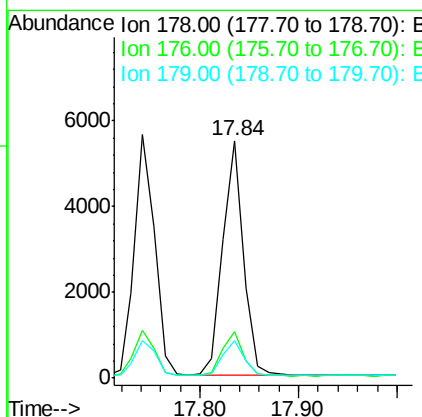
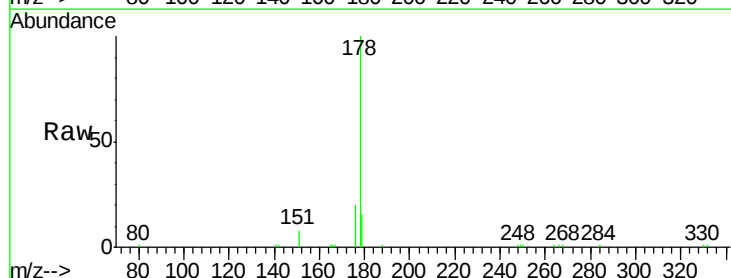
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

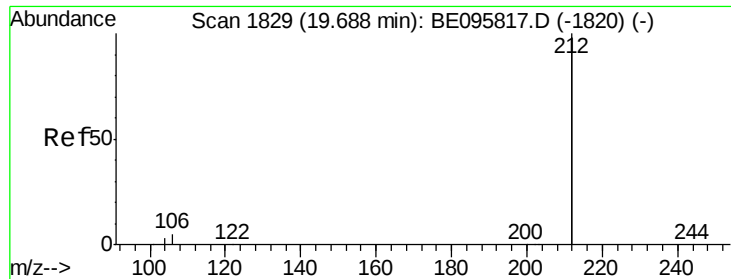
Tot Ion:178 Resp: 8176
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.2 11.8 17.6



#24
Anthracene
Concen: 0.400 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095832.D
Acq: 26 Mar 2018 9:04

Tgt Ion:178 Resp: 7979
Ion Ratio Lower Upper
178 100
176 19.1 12.8 19.2
179 15.3 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

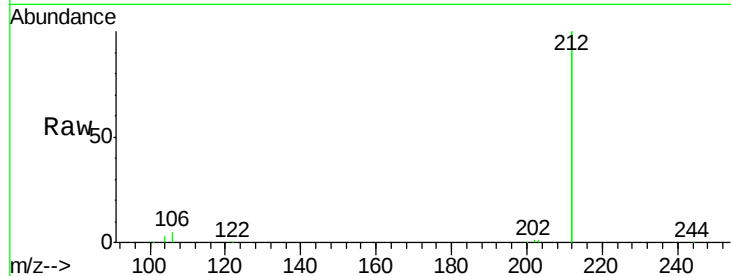
Tot Ion:212 Resp: 39349

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2#

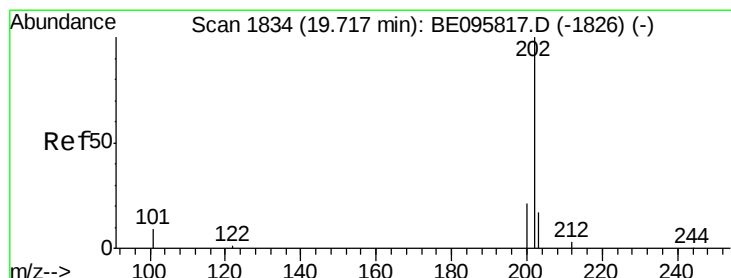
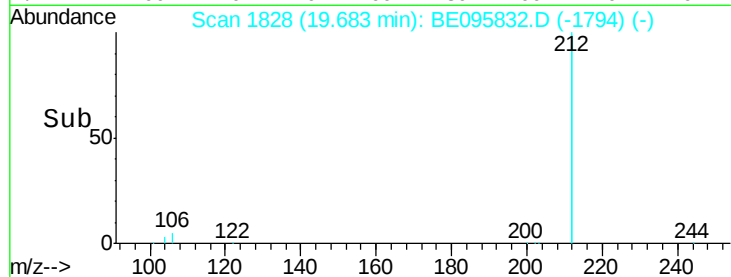
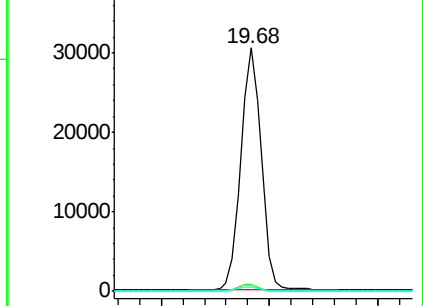
104 1.6 1.6 2.4



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: 0.401 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

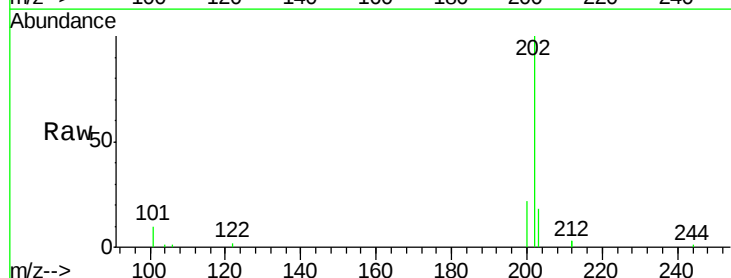
Tgt Ion:202 Resp: 11092

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

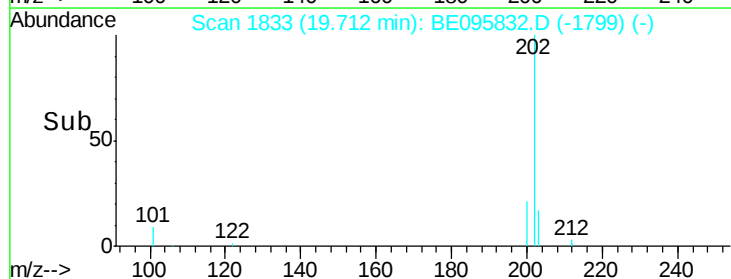
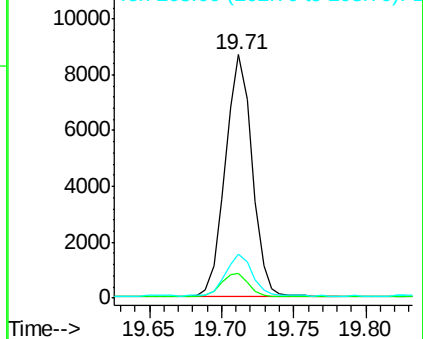
203 17.4 13.7 20.5



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: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

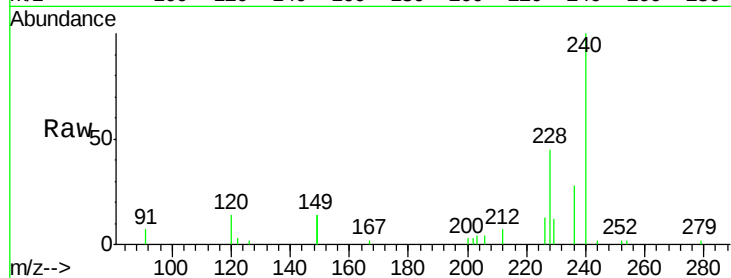
Tot Ion:240 Resp: 7807

Ion Ratio Lower Upper

240 100

120 13.8 5.5 8.3#

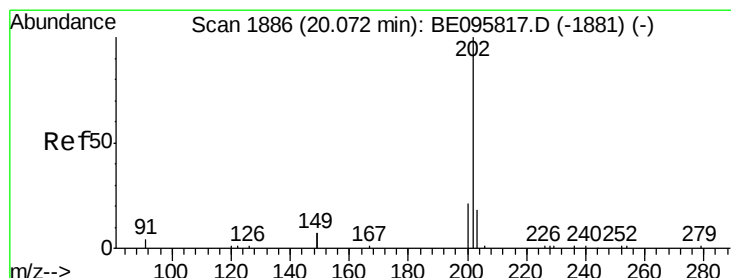
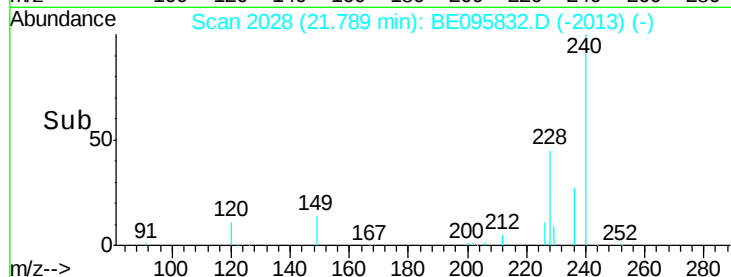
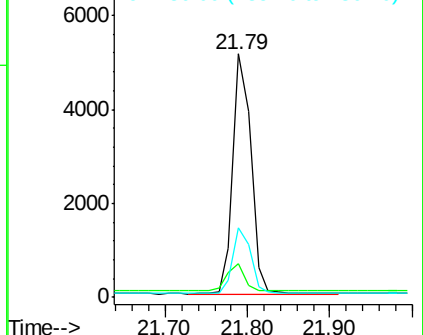
236 28.5 20.7 31.1



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: 0.451 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

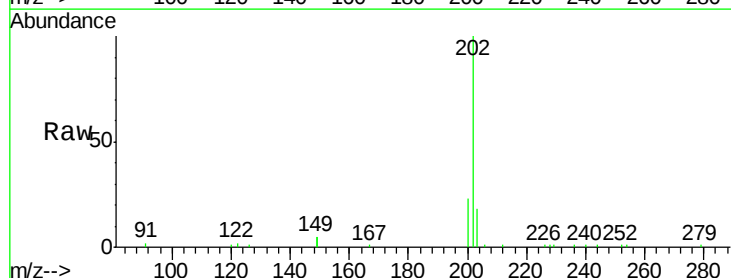
Tgt Ion:202 Resp: 14347

Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

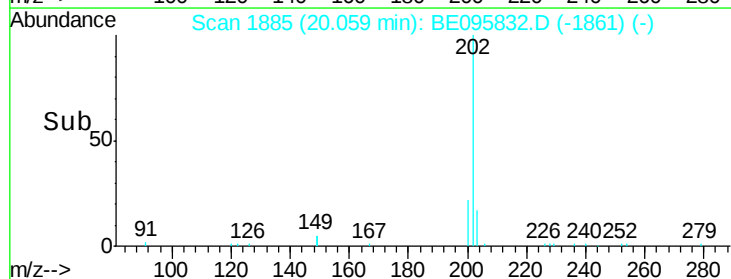
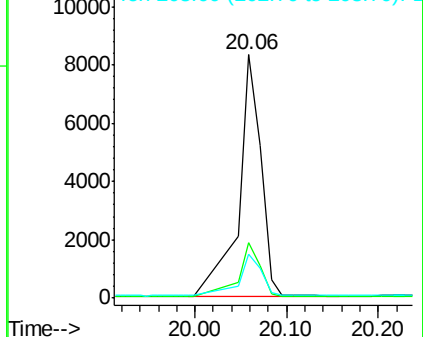
203 18.8 13.8 20.8



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: 0.396 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

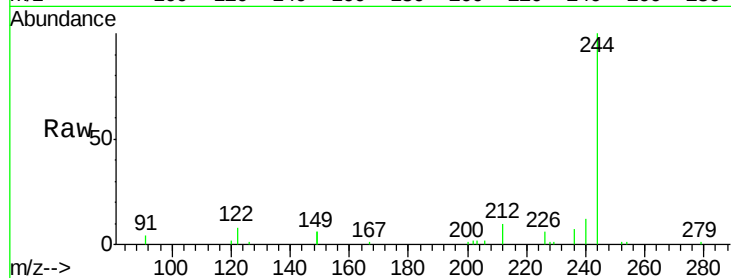
Tot Ion:244 Resp: 6572

Ion Ratio Lower Upper

244 100

212 9.7 25.4 38.0#

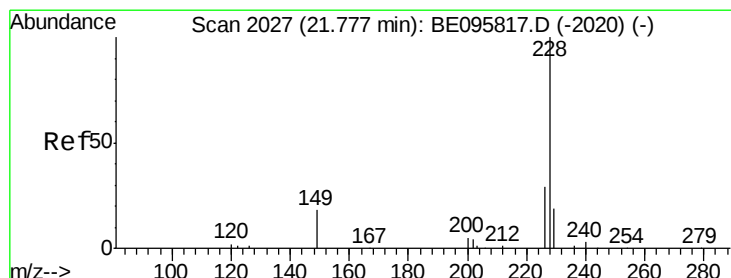
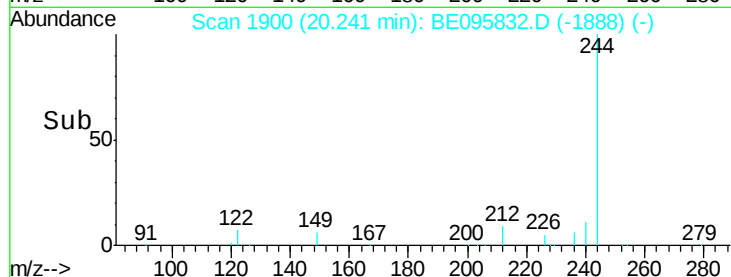
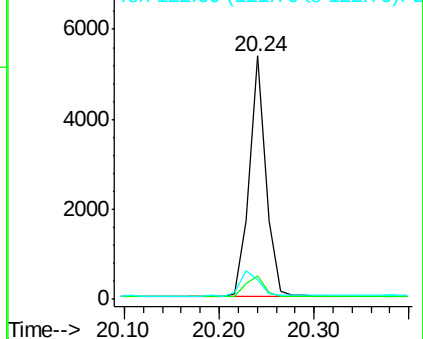
122 8.0 8.1 12.1#



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: 0.402 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

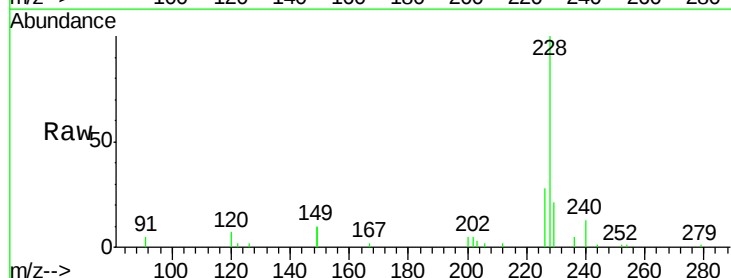
Tgt Ion:228 Resp: 10879

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

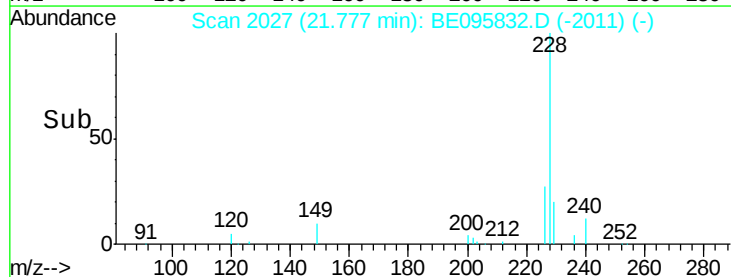
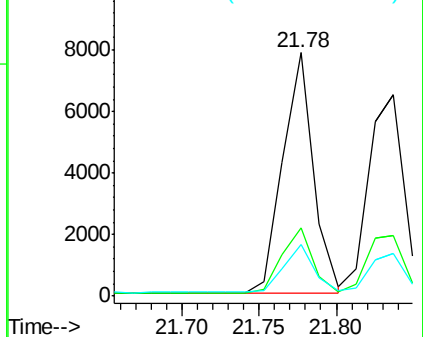
229 21.2 16.0 24.0

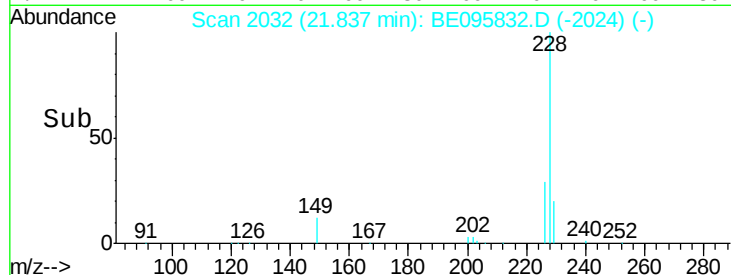
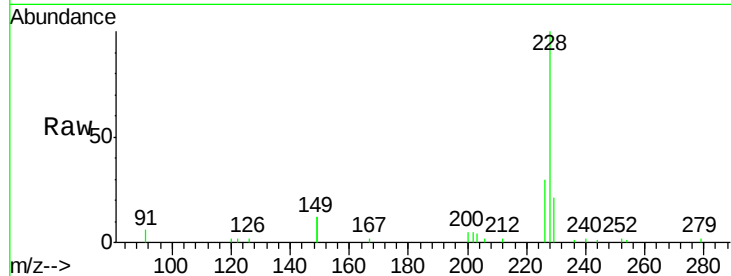


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.414 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

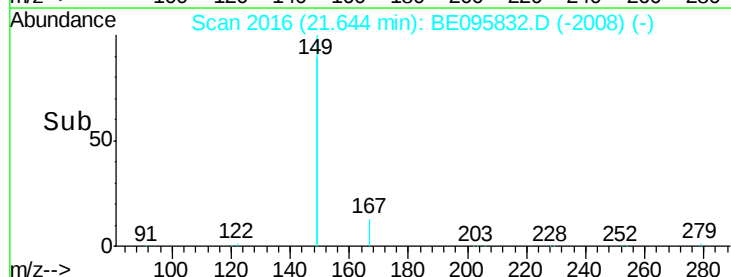
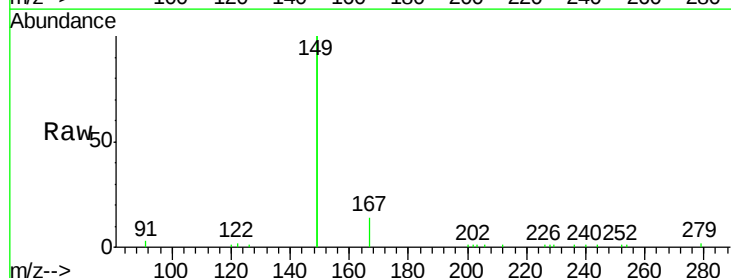
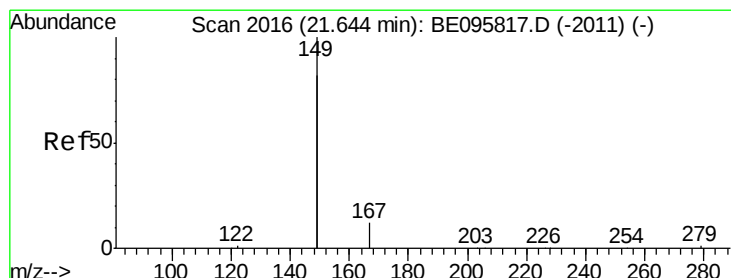
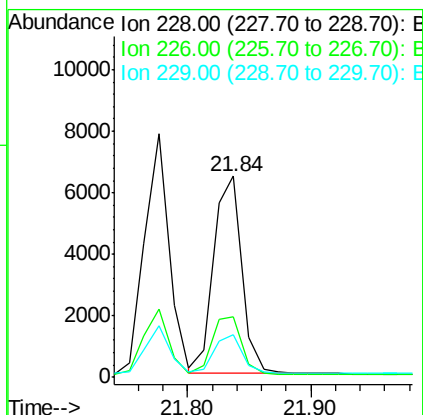
Tot Ion:228 Resp: 10235

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 21.3 16.0 24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.64 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

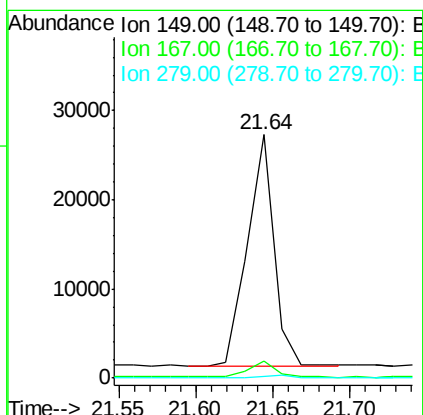
Tgt Ion:149 Resp: 30754

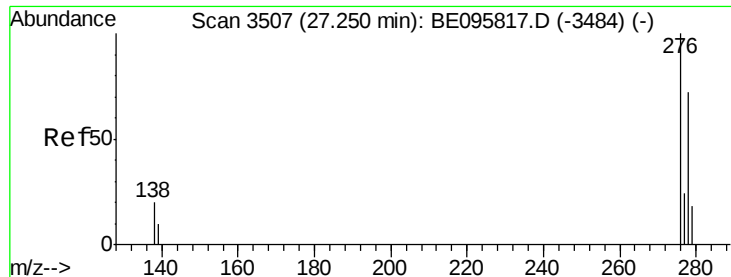
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.400 ng

RT: 27.23 min Scan# 3501

Delta R.T. -0.02 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

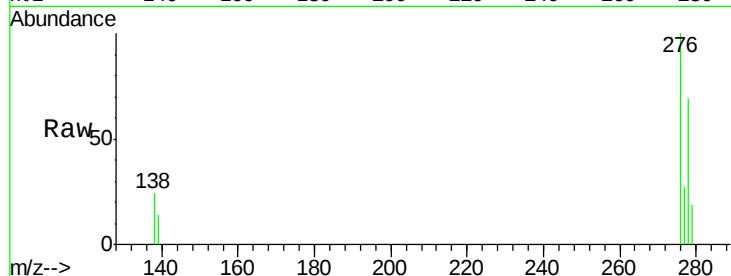
Tot Ion:276 Resp: 10645

Ion Ratio Lower Upper

276 100

138 22.2 22.5 33.7#

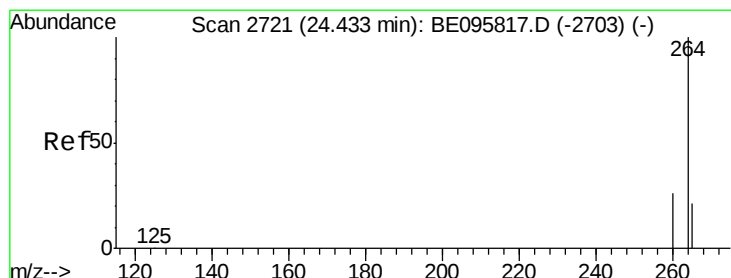
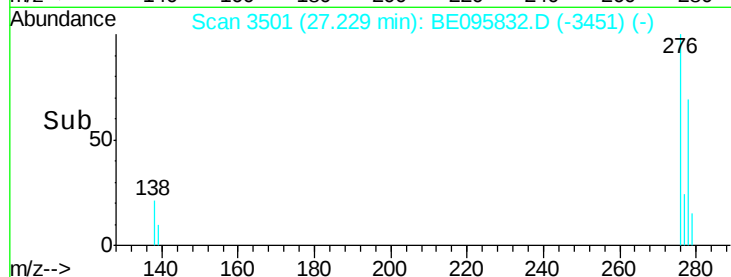
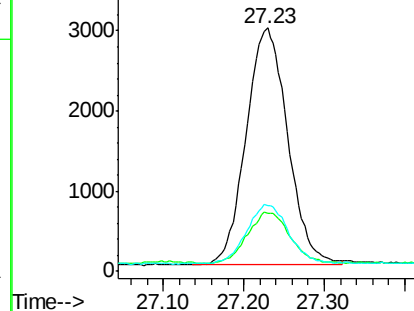
277 24.8 19.9 29.9



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# 2717

Delta R.T. -0.02 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

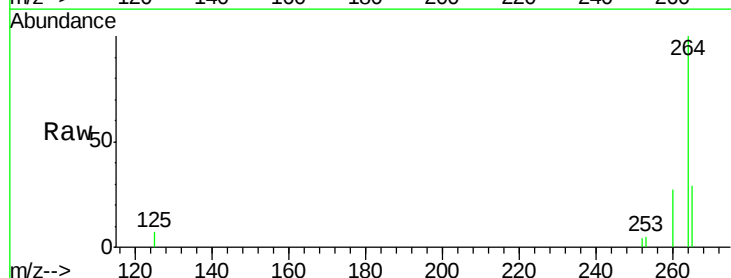
Tgt Ion:264 Resp: 7409

Ion Ratio Lower Upper

264 100

260 27.3 20.5 30.7

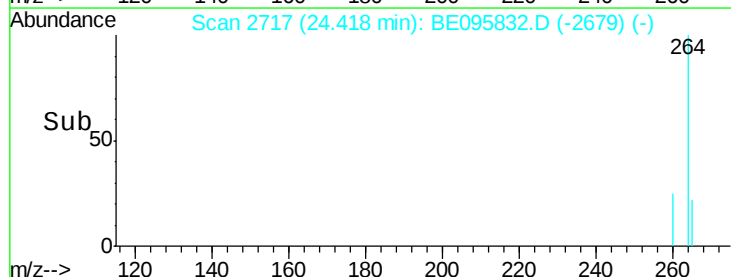
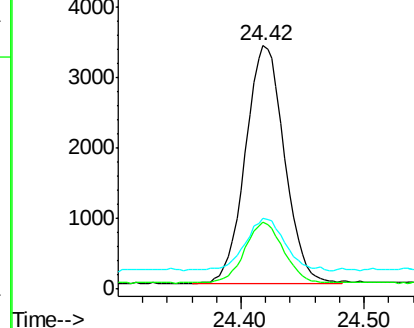
265 29.0 22.8 34.2



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: 0.417 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

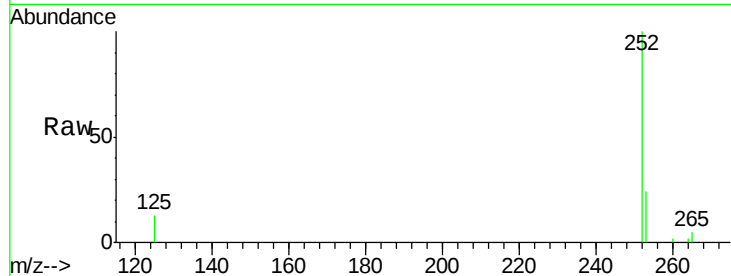
Tot Ion:252 Resp: 10214

Ion Ratio Lower Upper

252 100

253 23.6 20.0 30.0

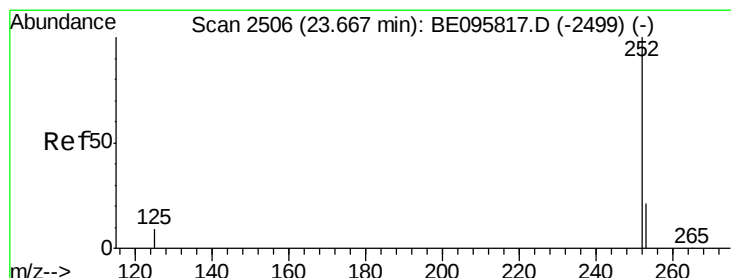
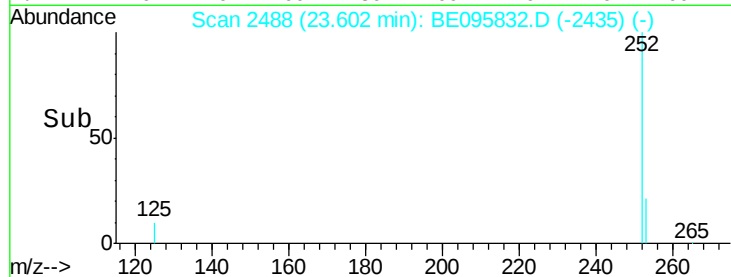
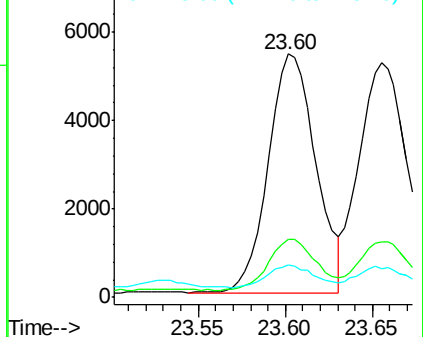
125 13.2 16.0 24.0#



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: 0.408 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

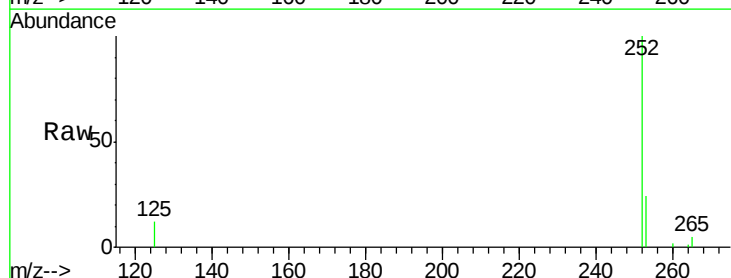
Tgt Ion:252 Resp: 9999

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

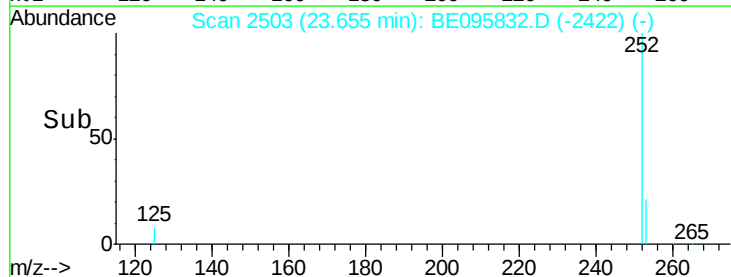
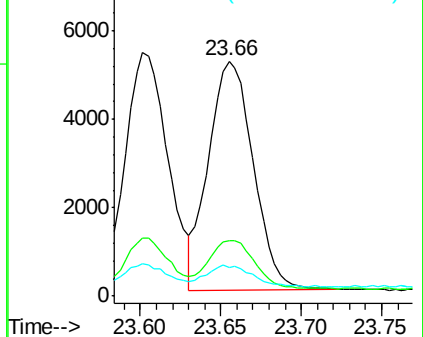
125 12.4 8.0 12.0#



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: 0.409 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

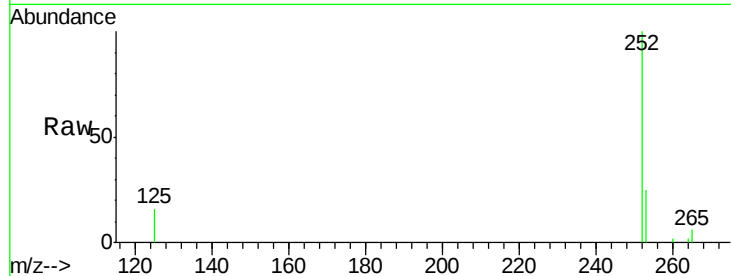
Tot Ion:252 Resp: 9405

Ion Ratio Lower Upper

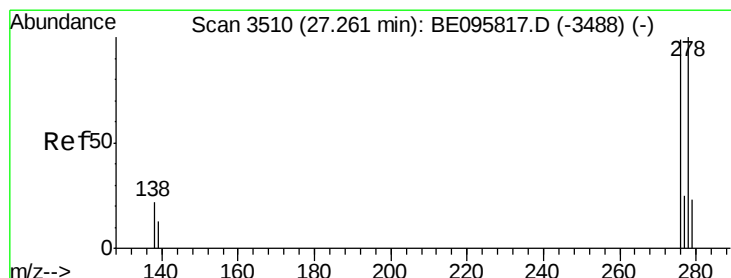
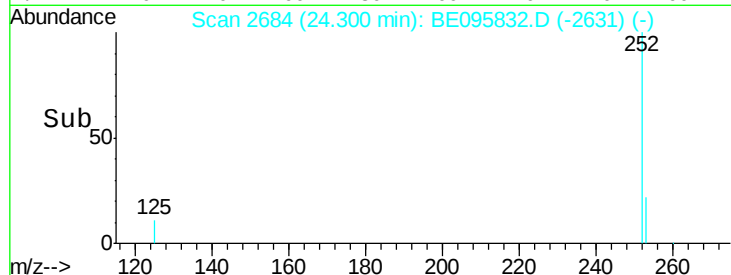
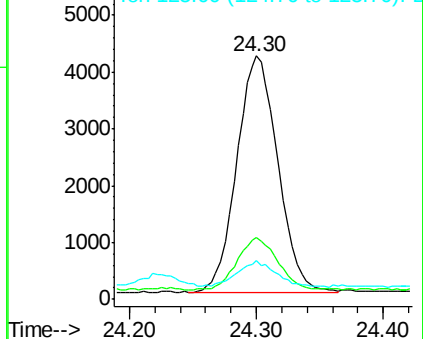
252 100

253 25.2 16.0 24.0#

125 16.1 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: 0.405 ng

RT: 27.25 min Scan# 3506

Delta R.T. -0.01 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

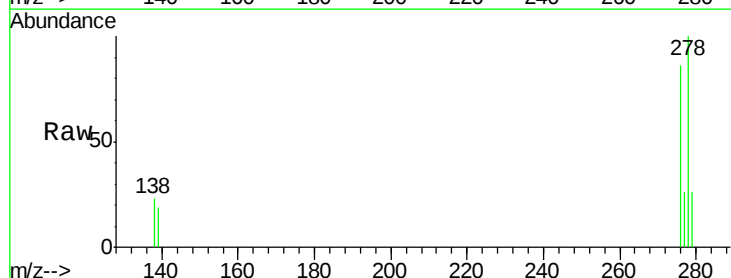
Tgt Ion:278 Resp: 8839

Ion Ratio Lower Upper

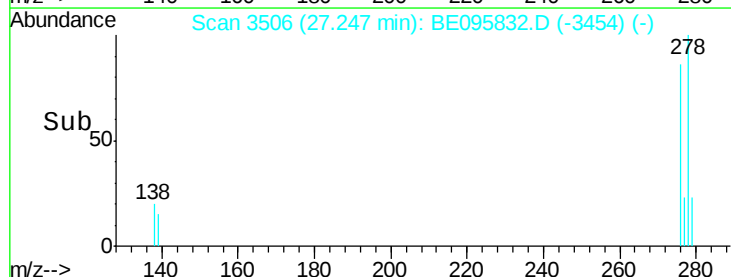
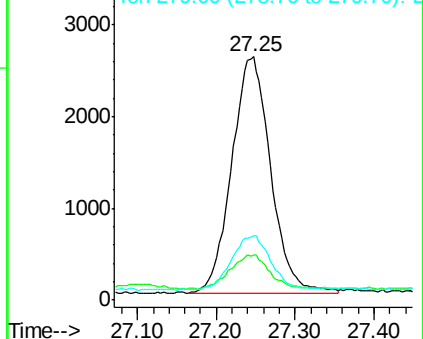
278 100

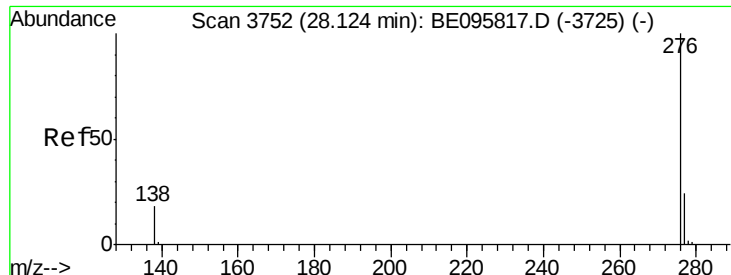
139 18.8 16.0 24.0

279 26.4 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: 0.407 ng

RT: 28.10 min Scan# 3745

Delta R.T. -0.02 min

Lab File: BE095832.D

Acq: 26 Mar 2018 9:04

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

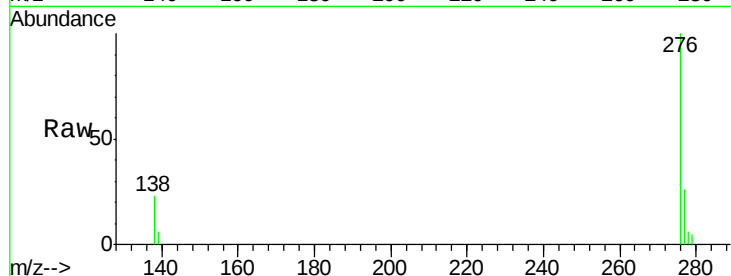
Tot Ion: 276 Resp: 8928

Ion Ratio Lower Upper

276 100

277 26.4 16.0 24.0#

138 23.3 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

