

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095848.D
 Acq On : 26 Mar 2018 20:25
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:42:48 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	1107	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4268	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2573	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6538	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7779	0.40	ng	-0.01
34) Perylene-d12	24.41	264	7340	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1409	0.39	ng	0.00
5) Phenol-d6	7.56	99	1975	0.39	ng	0.00
8) Nitrobenzene-d5	9.59	82	2006	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2855	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	555	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	4384	0.40	ng	-0.01
25) Fluoranthene-d10	19.68	212	39193	0.40	ng	0.00
29) Terphenyl-d14	20.24	244	6599	0.40	ng	0.00

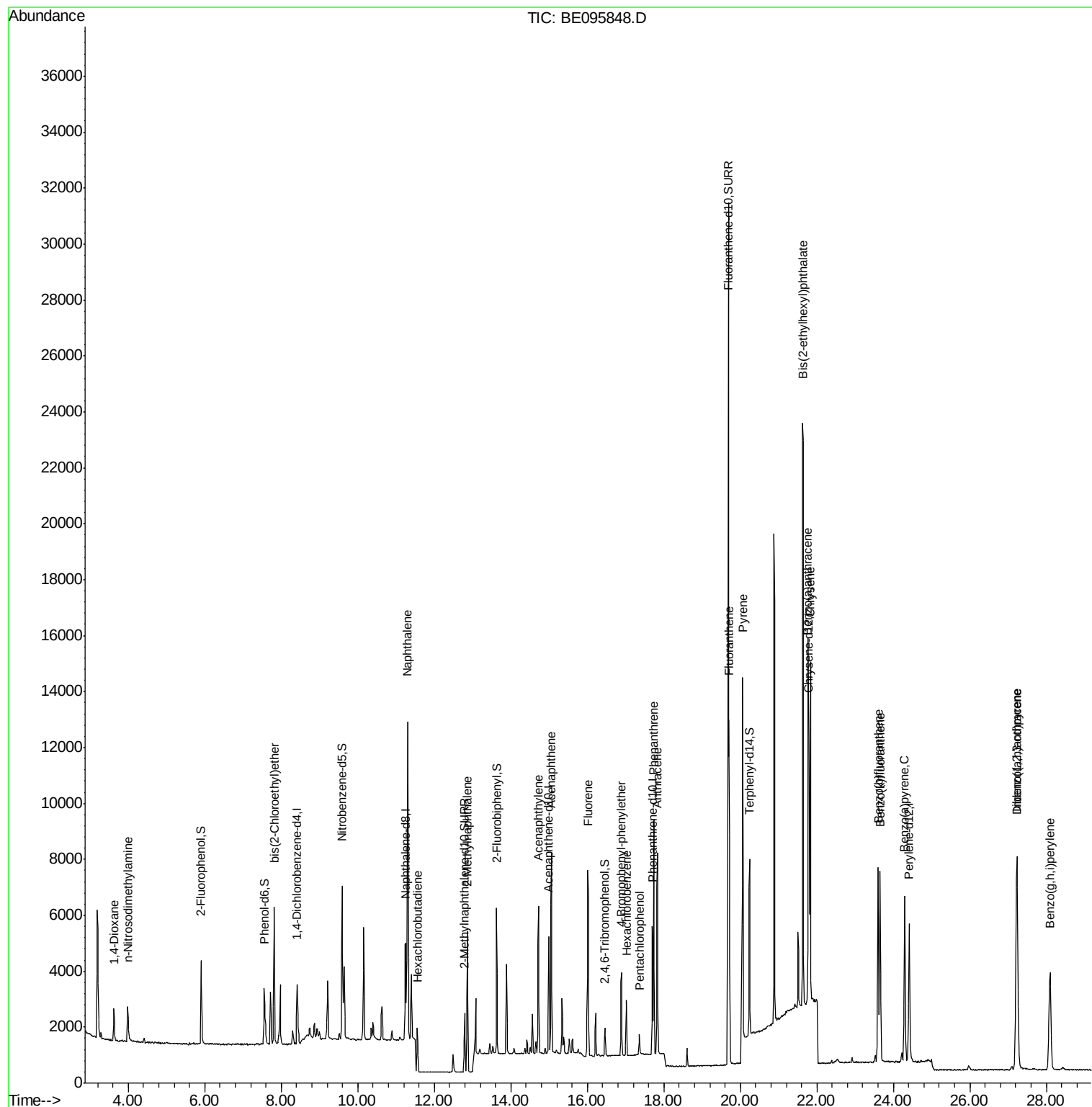
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	709	0.391	ng	# 87
3) n-Nitrosodimethylamine	3.98	42	971	0.365	ng	84
6) bis(2-Chloroethyl)ether	7.81	93	1697	0.392	ng	96
9) Naphthalene	11.30	128	19966	0.410	ng	99
10) Hexachlorobutadiene	11.56	225	1289	0.385	ng	98
12) 2-Methylnaphthalene	12.87	142	3433	0.412	ng	98
16) Acenaphthylene	14.73	152	5953	0.405	ng	99
17) Acenaphthene	15.06	154	3552	0.396	ng	93
18) Fluorene	16.02	166	4846	0.410	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1580	0.402	ng	# 84
21) Hexachlorobenzene	17.02	284	1573	0.401	ng	# 82
22) Pentachlorophenol	17.36	266	422	0.416	ng	# 78
23) Phenanthrene	17.74	178	8232	0.421	ng	100
24) Anthracene	17.84	178	7931	0.405	ng	96
26) Fluoranthene	19.71	202	11165	0.411	ng	97
28) Pyrene	20.06	202	12034	0.380	ng	# 92
30) Benzo(a)anthracene	21.77	228	11153	0.413	ng	99
31) Chrysene	21.83	228	10257	0.417	ng	98
32) Bis(2-ethylhexyl)phthalate	21.63	149	29981	0.363	ng	100
33) Indeno(1,2,3-cd)pyrene	27.22	276	10759	0.406	ng	# 94
35) Benzo(b)fluoranthene	23.60	252	10053	0.414	ng	# 91
36) Benzo(k)fluoranthene	23.65	252	10087	0.415	ng	# 94
37) Benzo(a)pyrene	24.30	252	9381	0.412	ng	95
38) Dibenzo(a,h)anthracene	27.24	278	8911	0.412	ng	97
39) Benzo(g,h,i)perylene	28.09	276	8964	0.413	ng	# 92

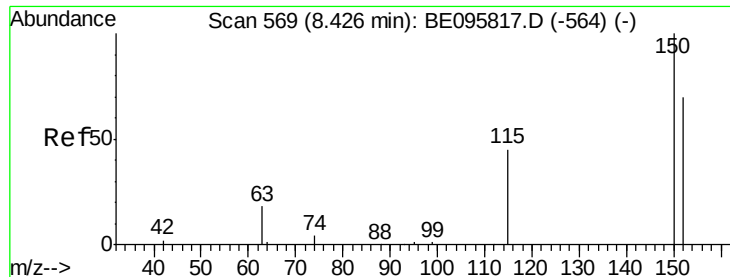
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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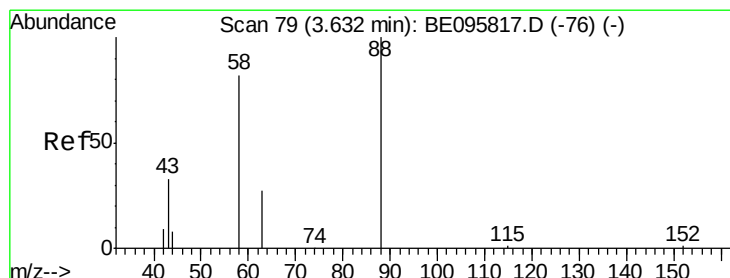
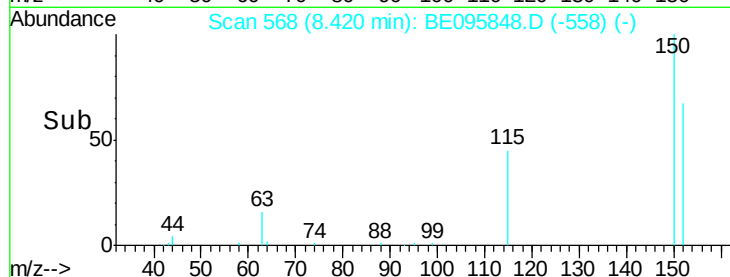
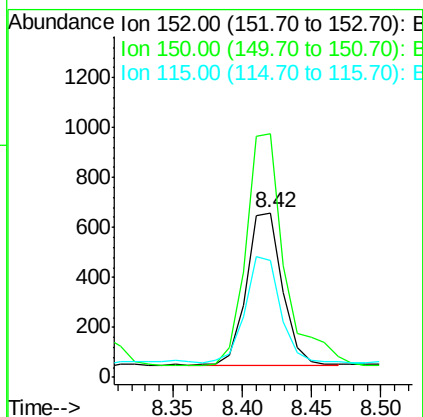
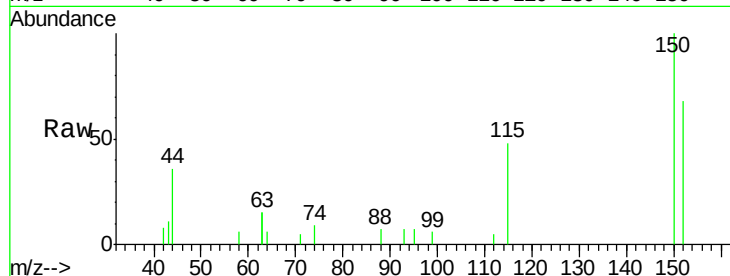


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Instrument :
BNA_E
ClientSampleId :

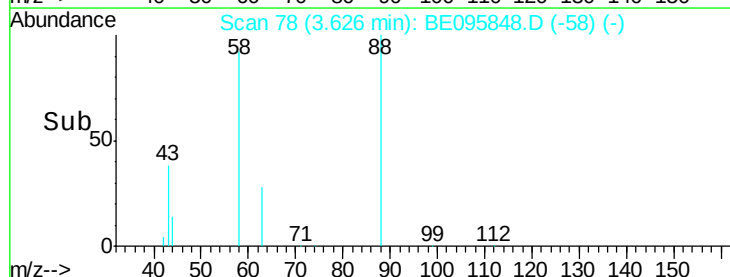
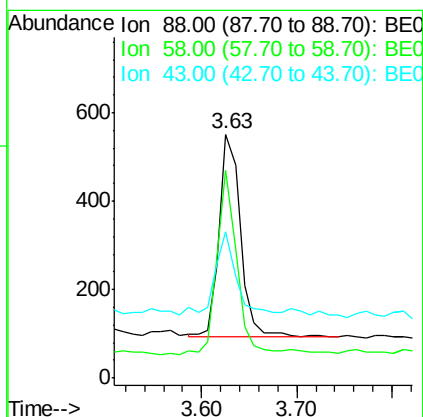
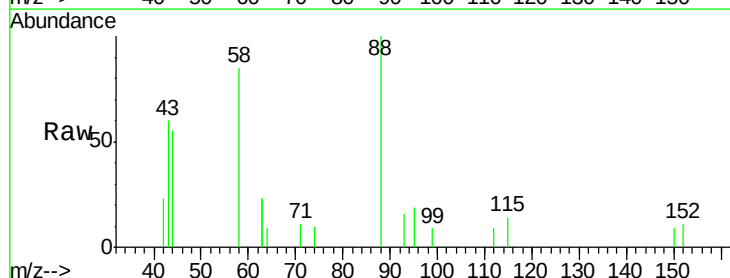
Tot Ion:152 Resp: 1107
Ion Ratio Lower Upper
152 100
150 148.0 117.2 175.8
115 71.2 57.0 85.6

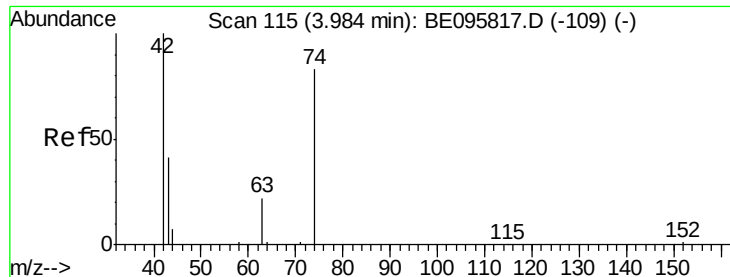


#2

1,4-Dioxane
Concen: 0.391 ng
RT: 3.63 min Scan# 78
Delta R.T. -0.01 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Tgt Ion: 88 Resp: 709
Ion Ratio Lower Upper
88 100
58 87.7 63.2 94.8
43 39.9 41.2 61.8#



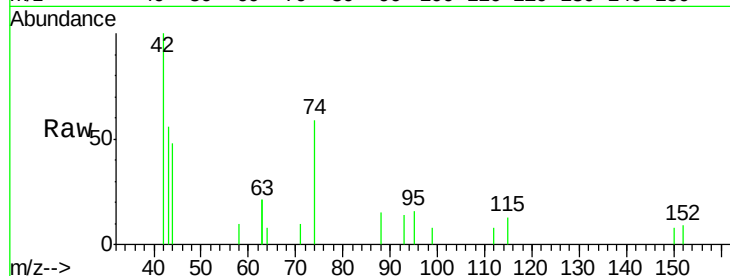


#3

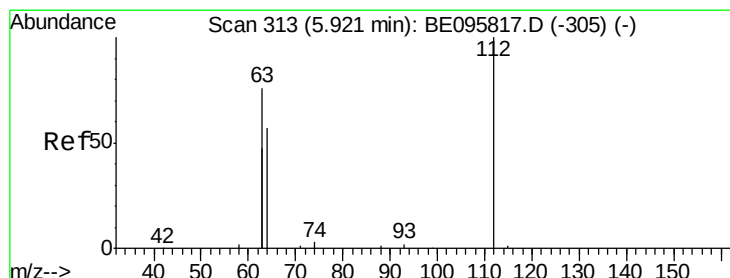
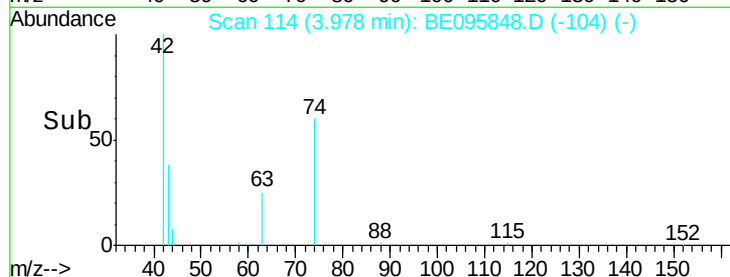
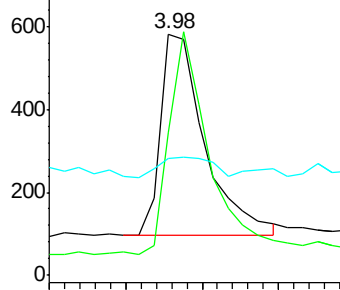
n-Nitrosodimethylamine
 Concen: 0.365 ng
 RT: 3.98 min Scan# 114
 Delta R.T. -0.01 min
 Lab File: BE095848.D
 Acq: 26 Mar 2018 20:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 971
 Ion Ratio Lower Upper
 42 100
 74 101.1 96.0 144.0
 44 13.4 12.0 18.0



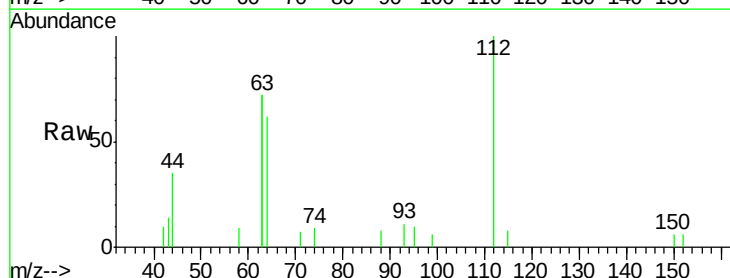
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



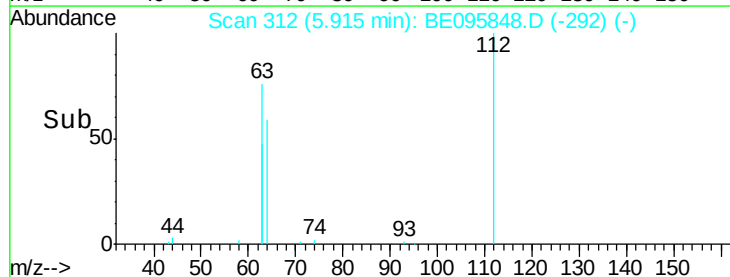
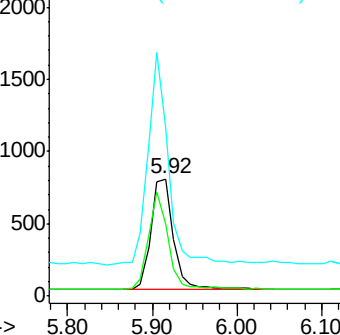
#4

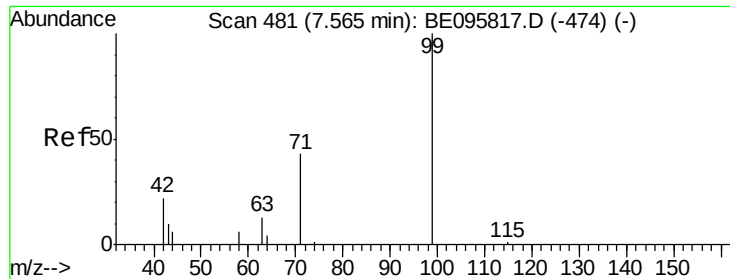
2-Fluorophenol
 Concen: 0.386 ng
 RT: 5.92 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095848.D
 Acq: 26 Mar 2018 20:25

Tgt Ion: 112 Resp: 1409
 Ion Ratio Lower Upper
 112 100
 64 76.4 60.1 90.1
 63 171.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.394 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

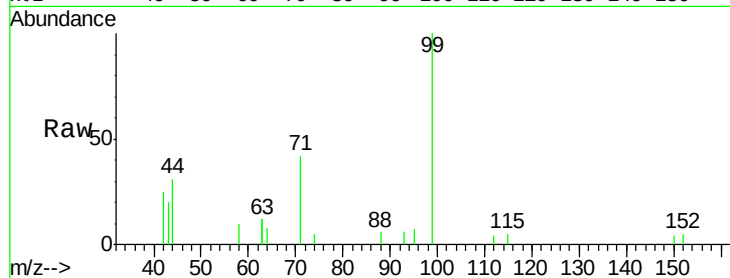
Tot Ion: 99 Resp: 1975

Ion Ratio Lower Upper

99 100

42 27.9 20.2 30.2

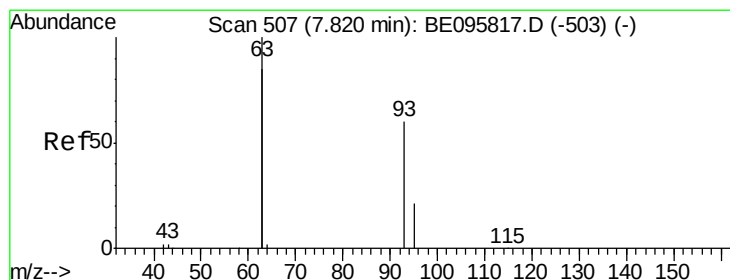
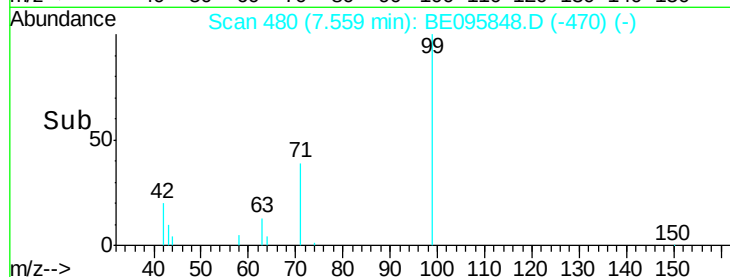
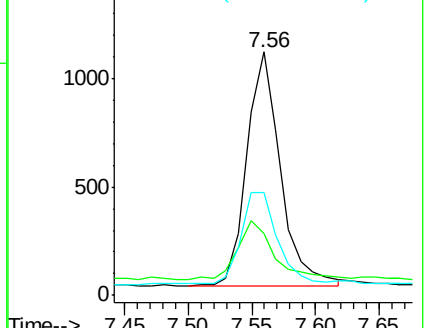
71 42.6 28.4 42.6



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: 0.392 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

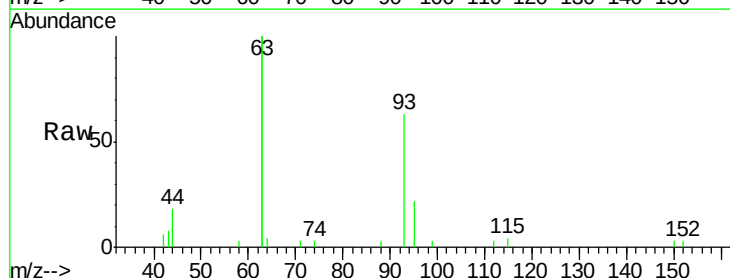
Tgt Ion: 93 Resp: 1697

Ion Ratio Lower Upper

93 100

63 335.3 275.3 412.9

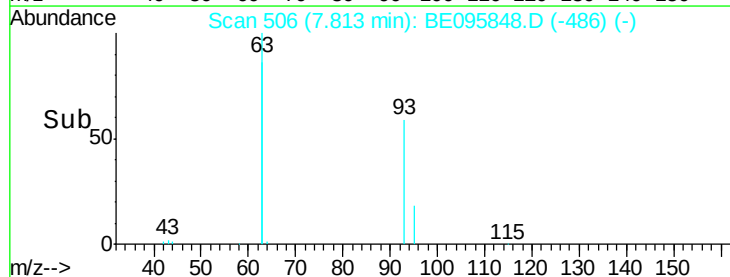
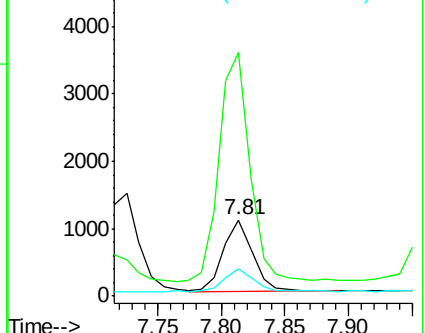
95 34.0 25.2 37.8

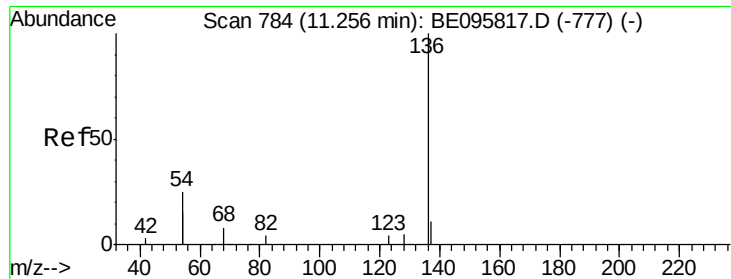


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4268

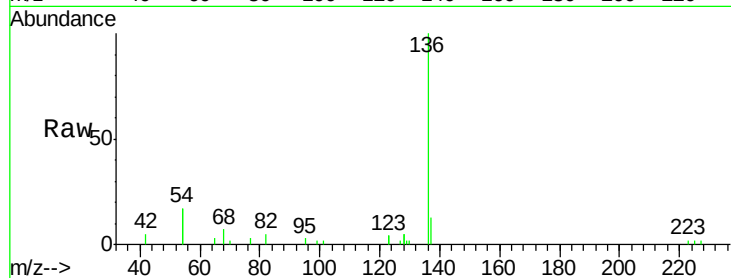
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 33.3 29.1 43.7

68 7.0 6.2 9.2

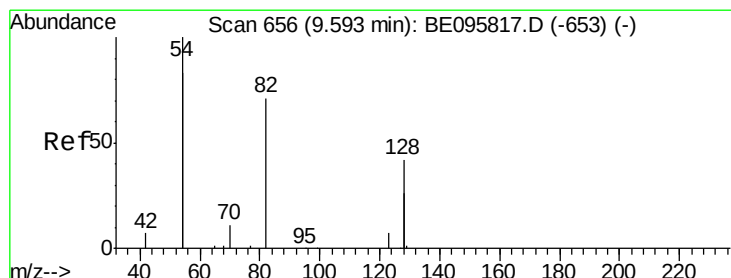
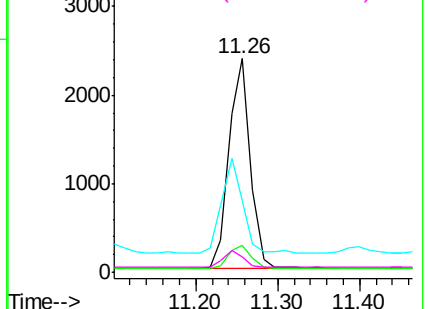
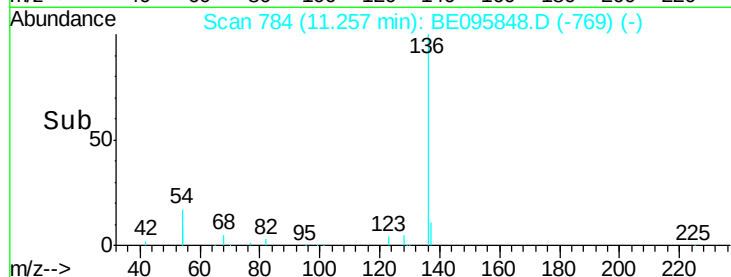


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.398 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

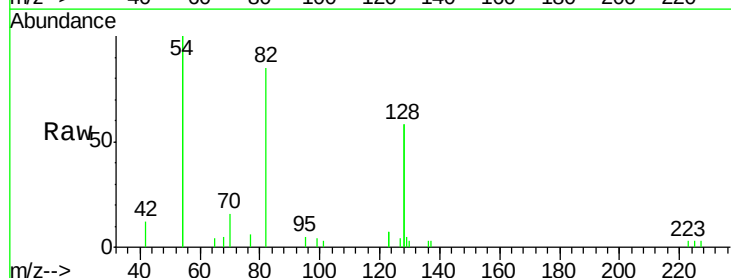
Tgt Ion: 82 Resp: 2006

Ion Ratio Lower Upper

82 100

128 136.5 150.0 225.0#

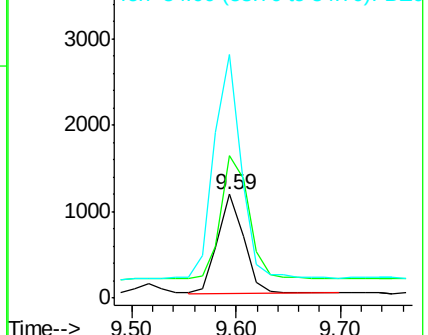
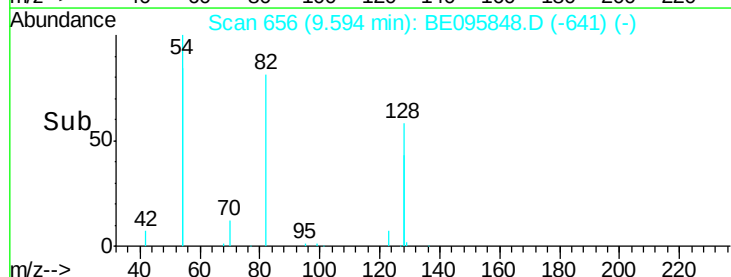
54 234.1 154.2 231.4#

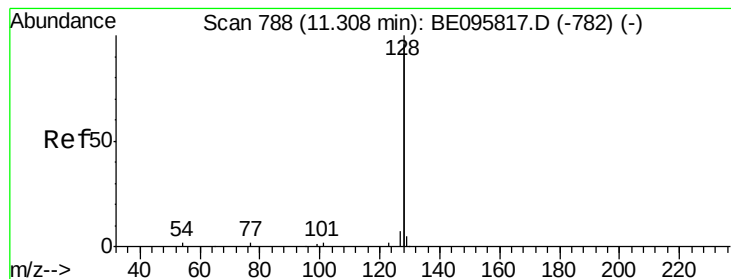


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.410 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

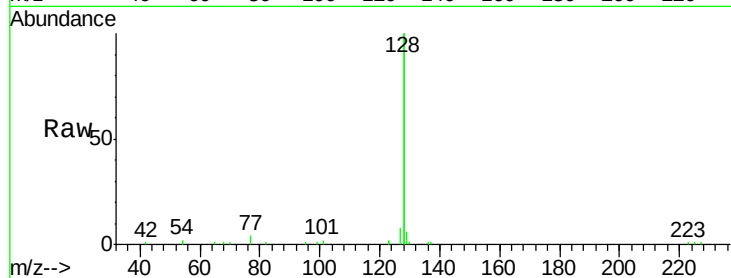
Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampled :



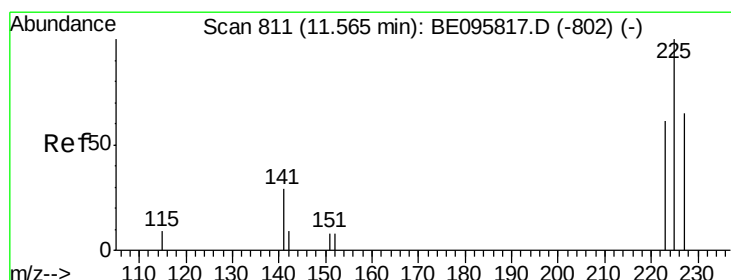
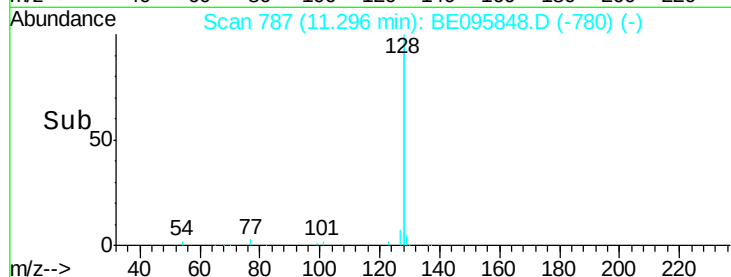
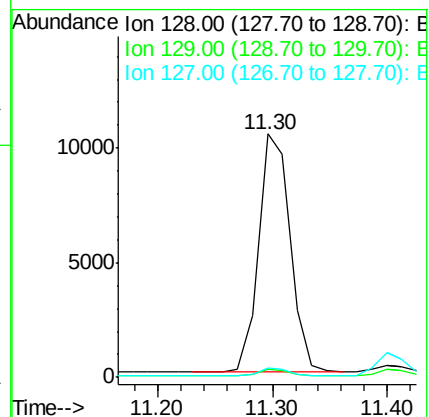
Tot Ion:128 Resp: 19966

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

127 4.0 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.385 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

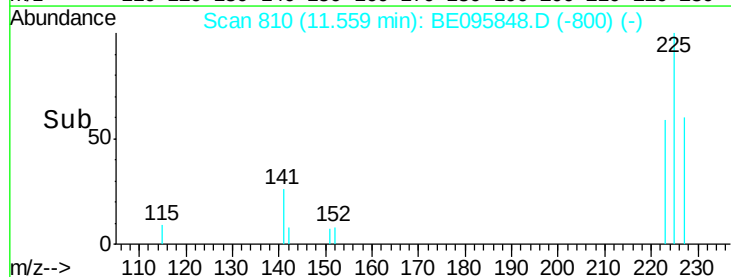
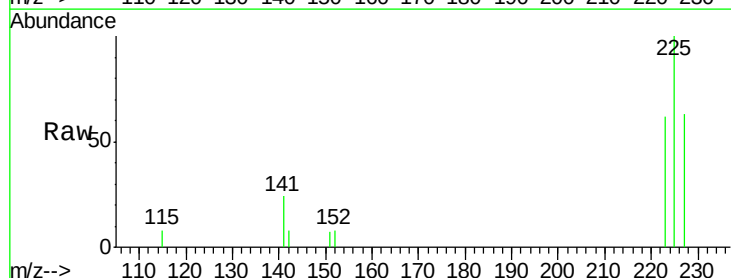
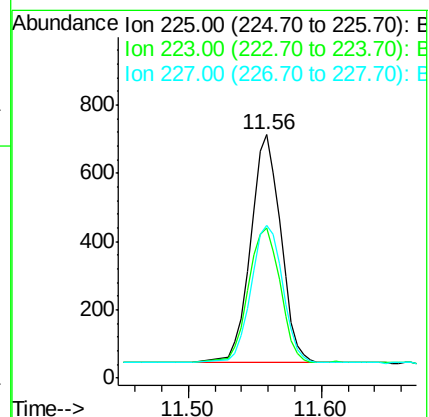
Tgt Ion:225 Resp: 1289

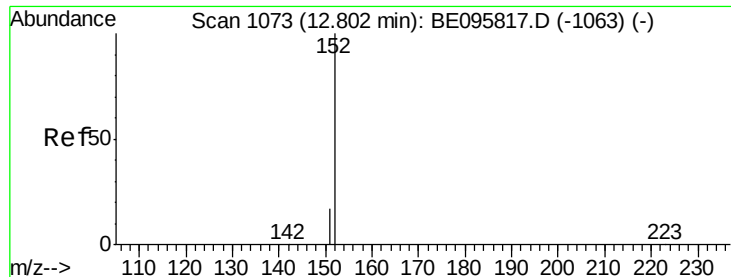
Ion Ratio Lower Upper

225 100

223 68.7 53.0 79.6

227 64.9 51.4 77.2





#11

2-Methylnaphthalene-d10

Concen: 0.401 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

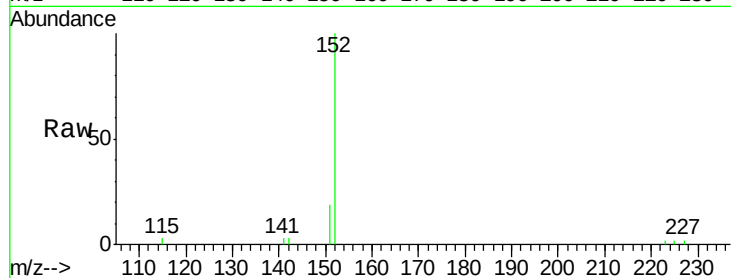
ClientSampleId :

Tot Ion:152 Resp: 2855

Ion Ratio Lower Upper

152 100

151 20.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.79

2000

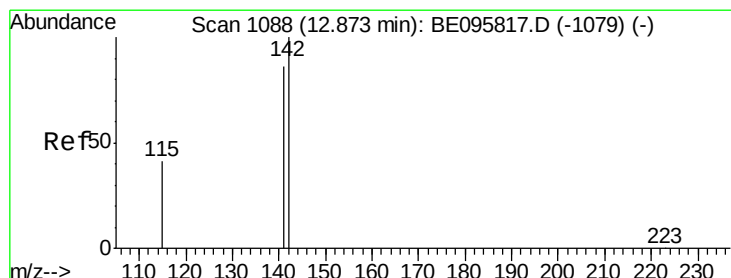
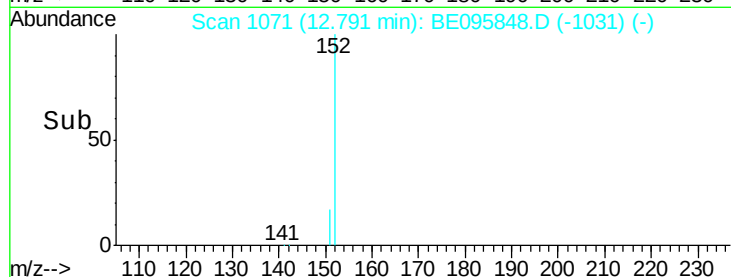
1500

1000

500

0

Time--> 12.70 12.75 12.80 12.85



#12

2-Methylnaphthalene

Concen: 0.412 ng

RT: 12.87 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

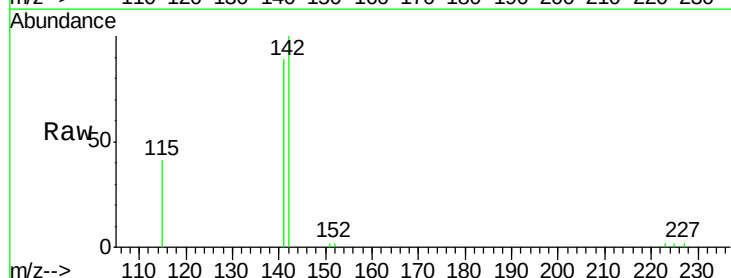
Tgt Ion:142 Resp: 3433

Ion Ratio Lower Upper

142 100

141 89.2 70.4 105.6

115 40.8 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

12.87

3000

2500

2000

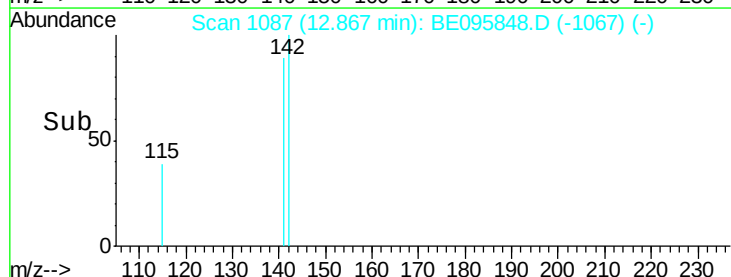
1500

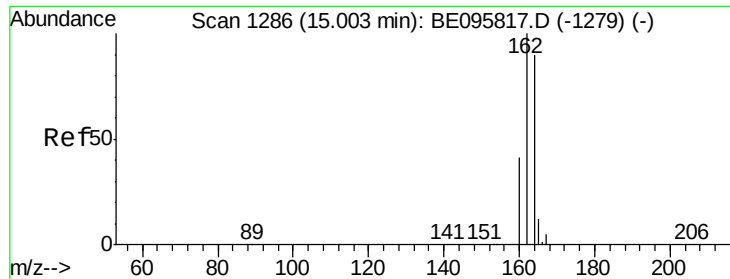
1000

500

0

Time--> 12.80 12.90 13.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

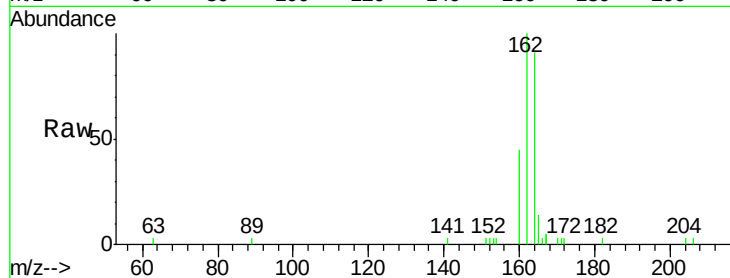
Tot Ion:164 Resp: 2573

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

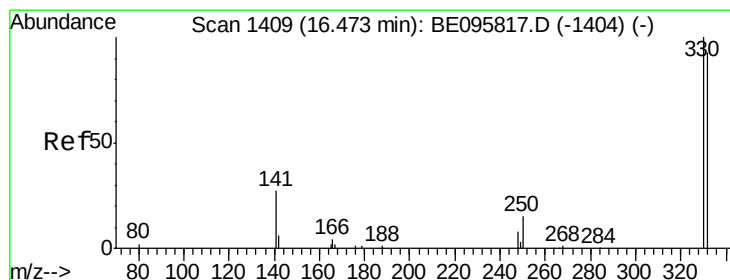
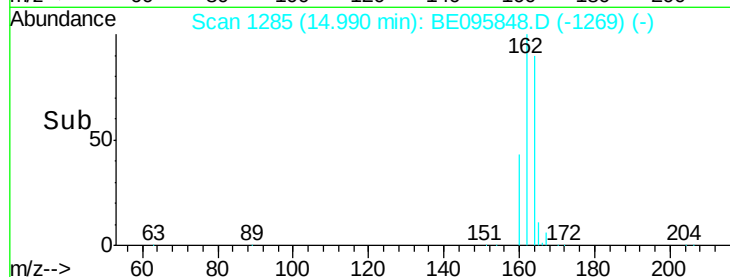
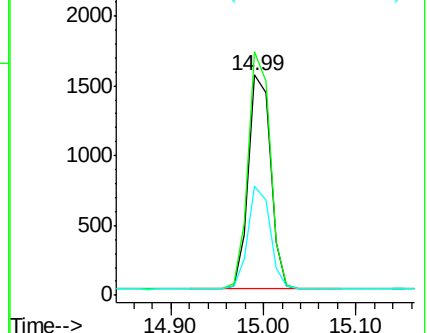
160 49.4 37.1 55.7



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: 0.374 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

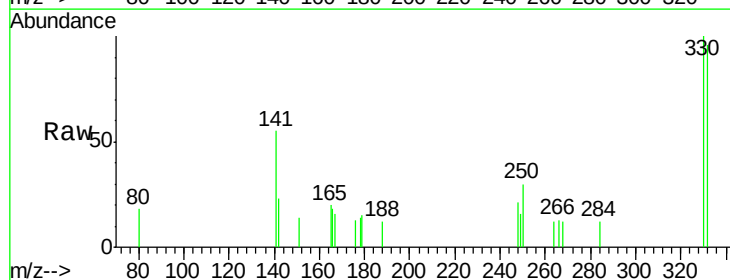
Tgt Ion:330 Resp: 555

Ion Ratio Lower Upper

330 100

332 101.6 152.7 229.1#

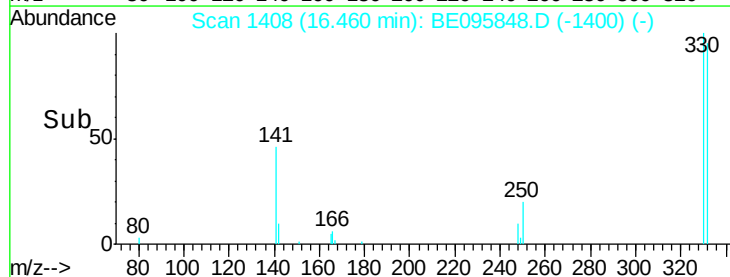
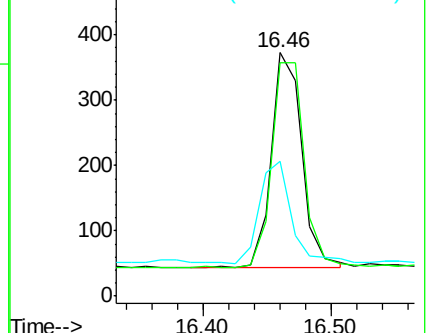
141 48.5 33.7 50.5

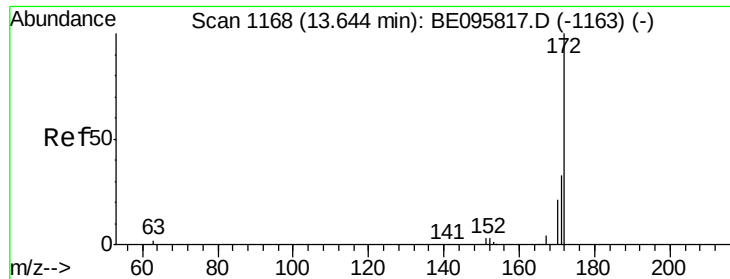


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

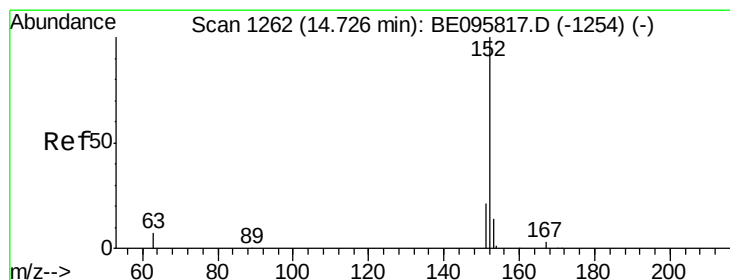
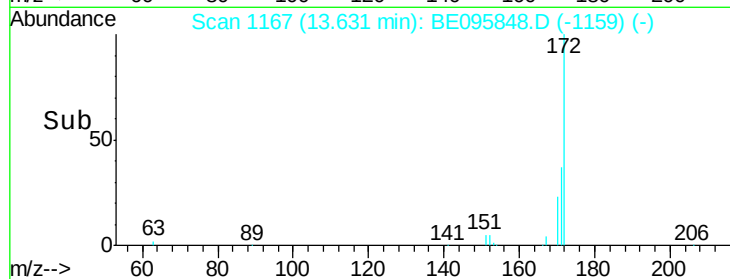
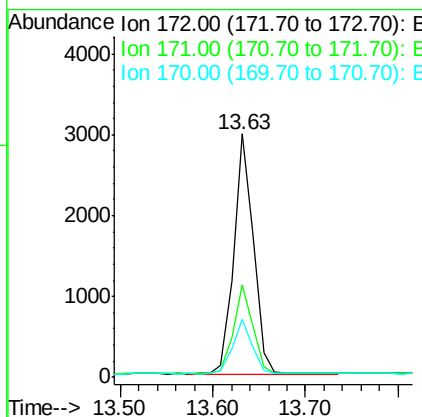
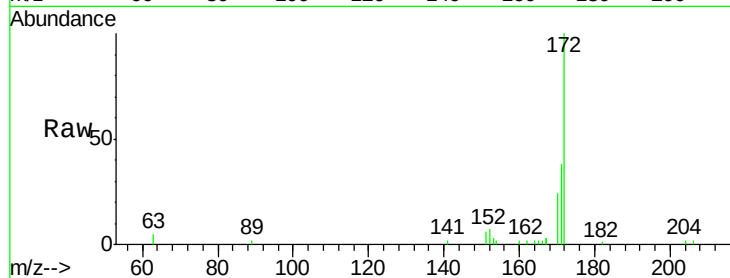




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

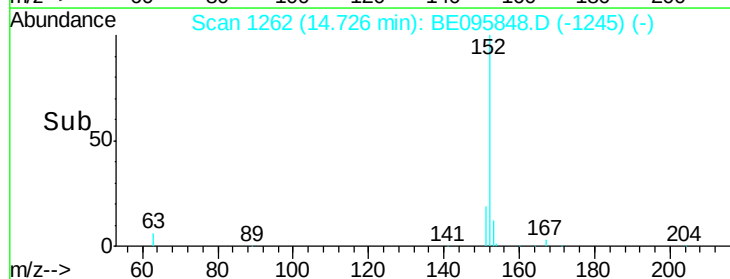
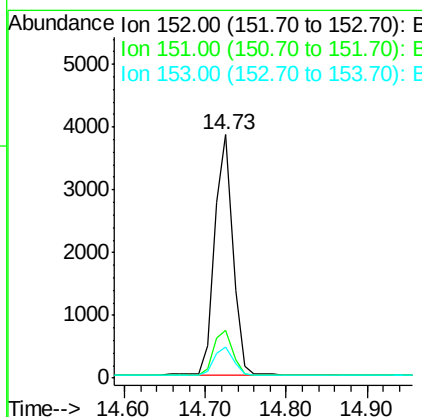
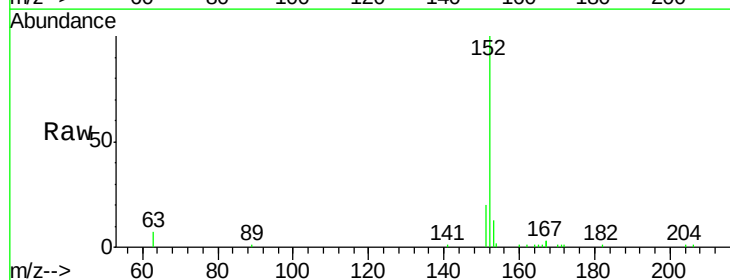
Instrument :
BNA_E
ClientSampleId :

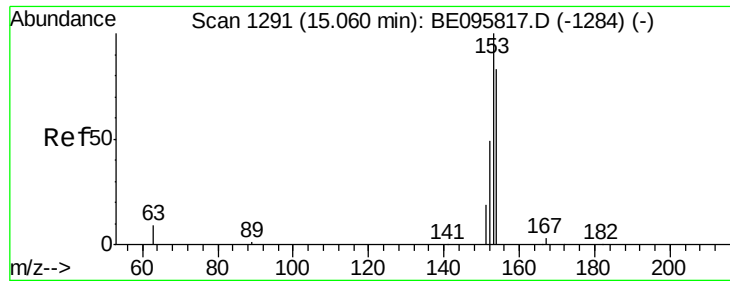
Tot Ion:172 Resp: 4384
Ion Ratio Lower Upper
172 100
171 38.1 29.9 44.9
170 24.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.405 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Tgt Ion:152 Resp: 5953
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.5 10.5 15.7

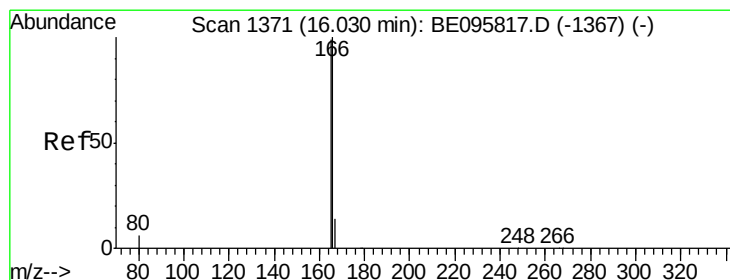
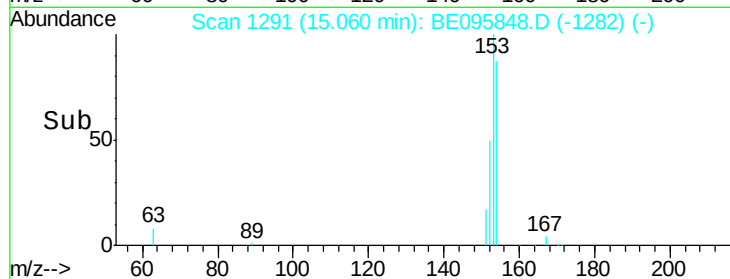
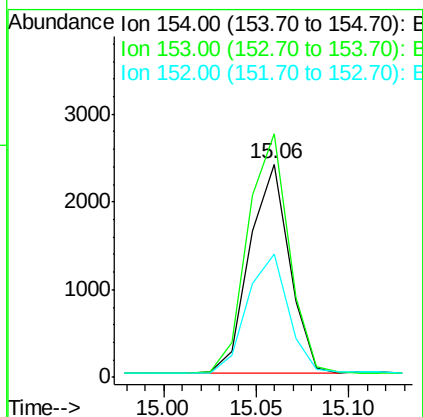
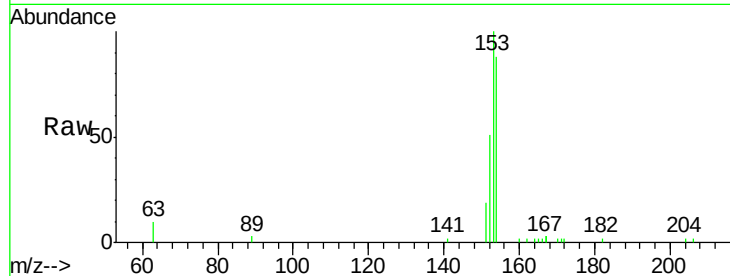




#17
Acenaphthene
Concen: 0.396 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

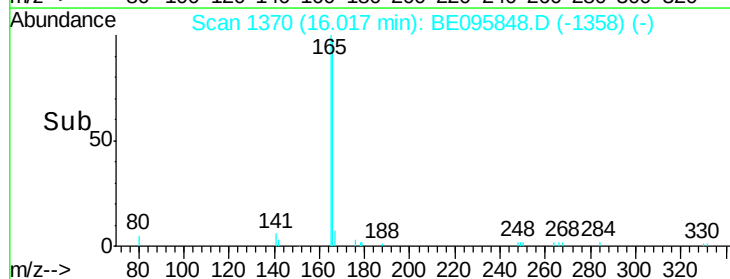
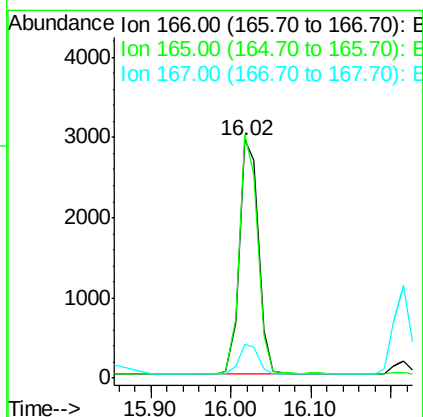
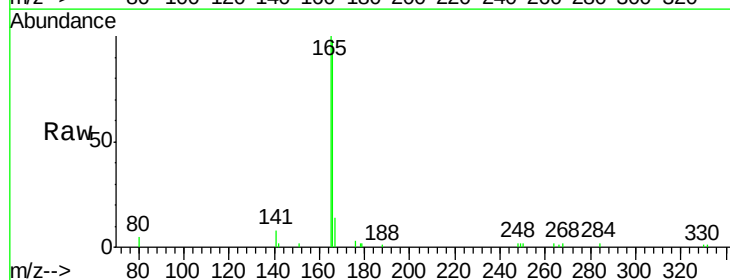
Instrument :
BNA_E
ClientSampleId :

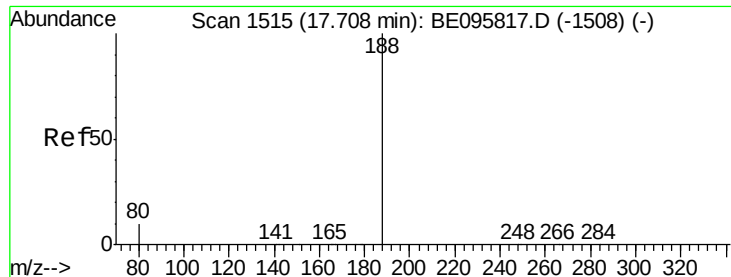
Tot Ion:154 Resp: 3552
Ion Ratio Lower Upper
154 100
153 118.0 89.2 133.8
152 58.9 42.0 63.0



#18
Fluorene
Concen: 0.410 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Tgt Ion:166 Resp: 4846
Ion Ratio Lower Upper
166 100
165 98.8 77.8 116.6
167 13.1 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: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampled :

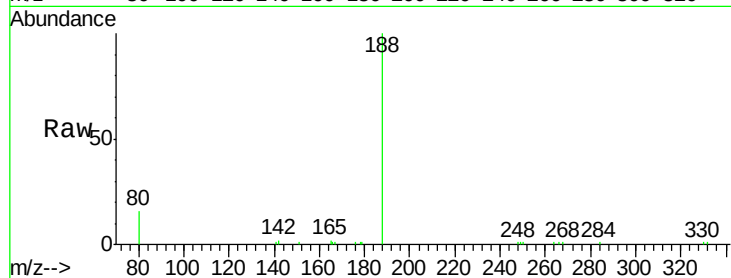
Tot Ion:188 Resp: 6538

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

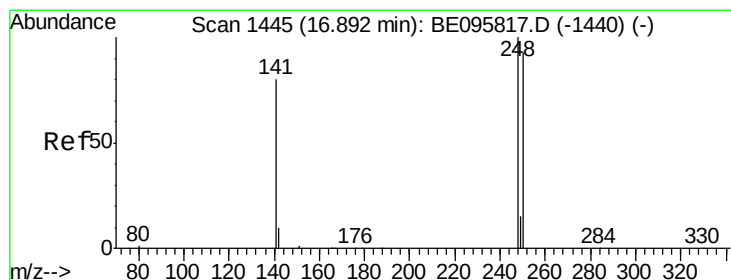
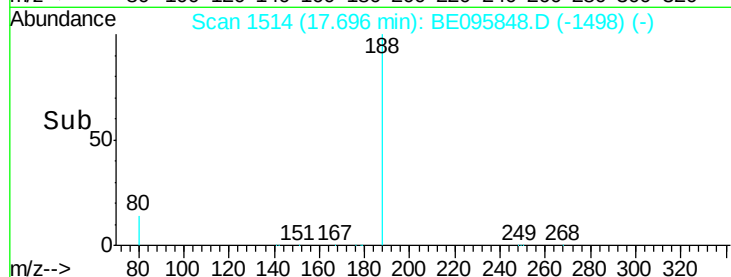
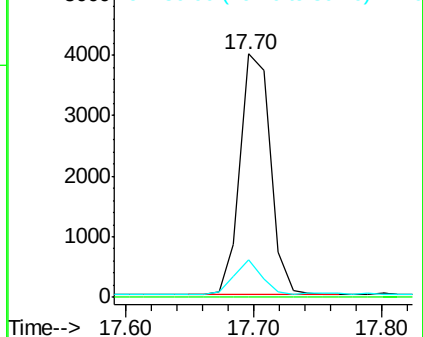
80 15.5 3.6 5.4#



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: 0.402 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

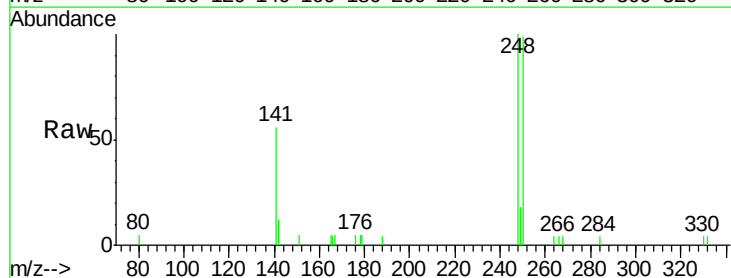
Tgt Ion:248 Resp: 1580

Ion Ratio Lower Upper

248 100

250 99.3 62.7 94.1#

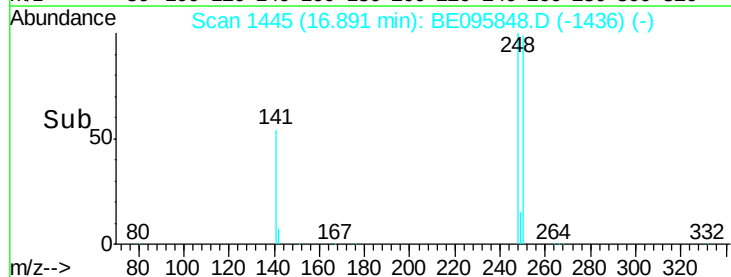
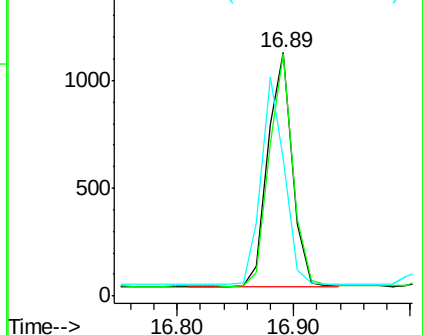
141 56.5 48.2 72.2

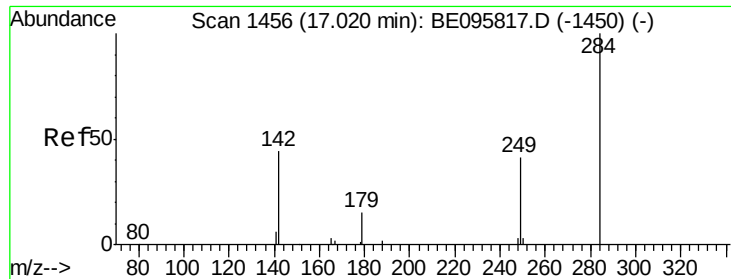


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

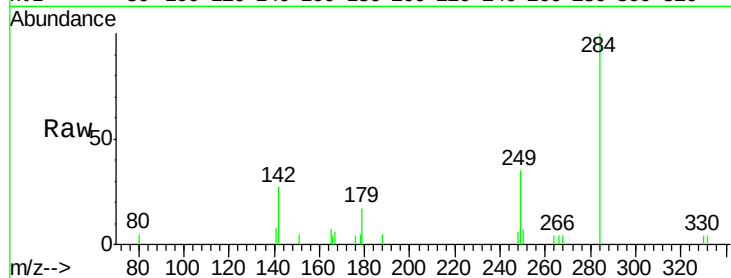




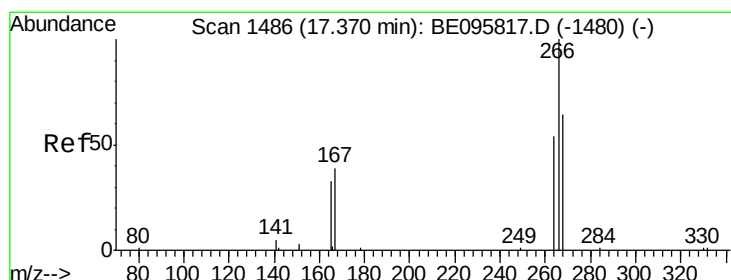
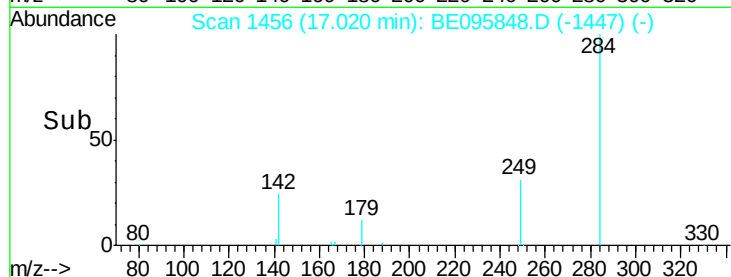
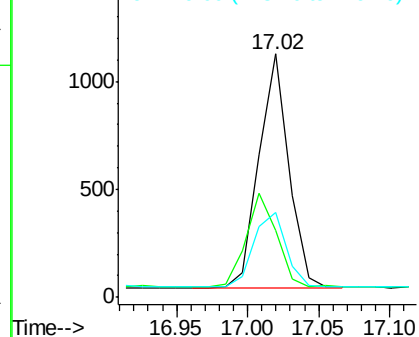
#21
Hexachlorobenzene
Concen: 0.401 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1573
Ion Ratio Lower Upper
284 100
142 40.5 22.1 33.1#
249 34.6 34.8 52.2#

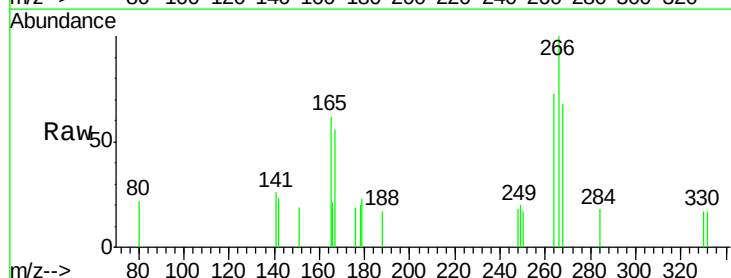


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

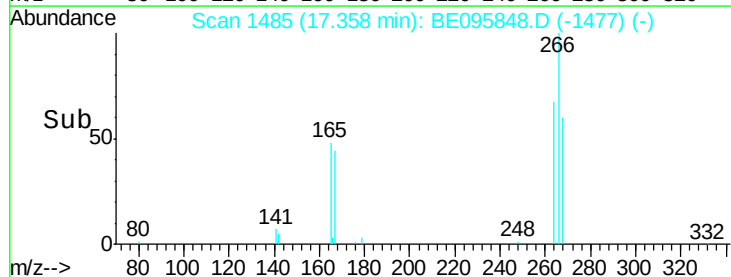
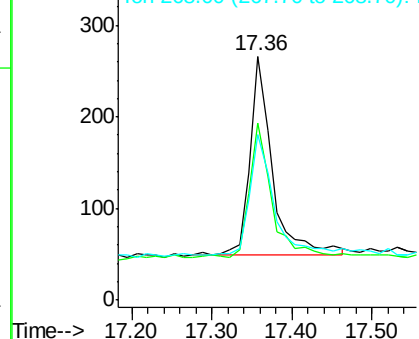


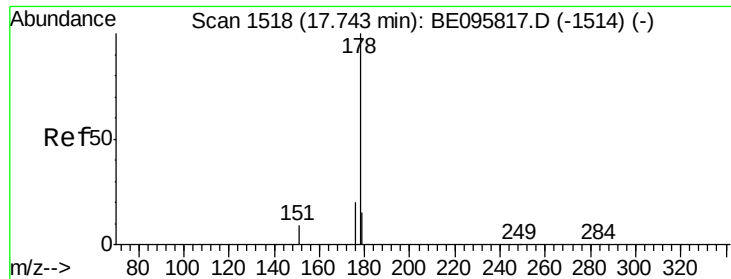
#22
Pentachlorophenol
Concen: 0.416 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095848.D
Acq: 26 Mar 2018 20:25

Tgt Ion:266 Resp: 422
Ion Ratio Lower Upper
266 100
264 72.6 72.5 108.7
268 68.0 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: 0.421 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

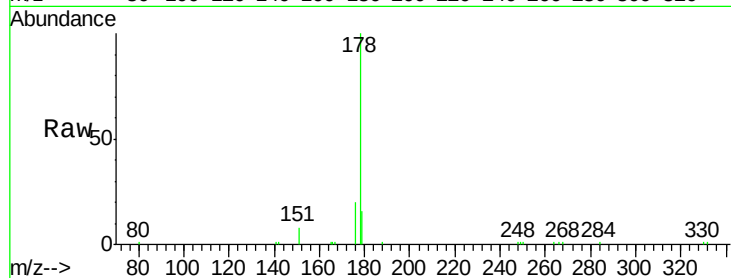
Tot Ion:178 Resp: 8232

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

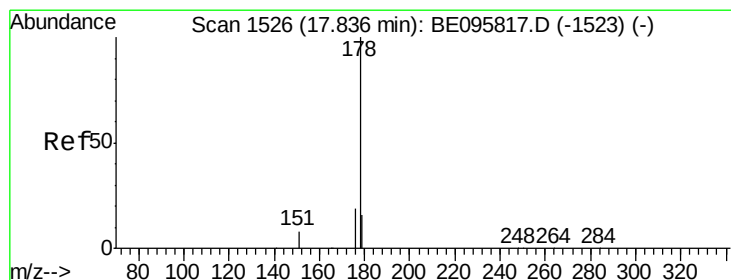
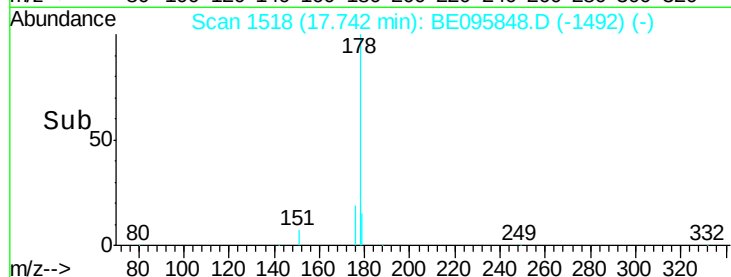
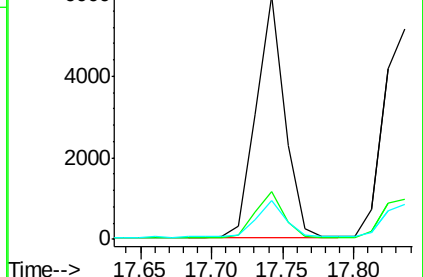
179 14.7 11.8 17.6



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: 0.405 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

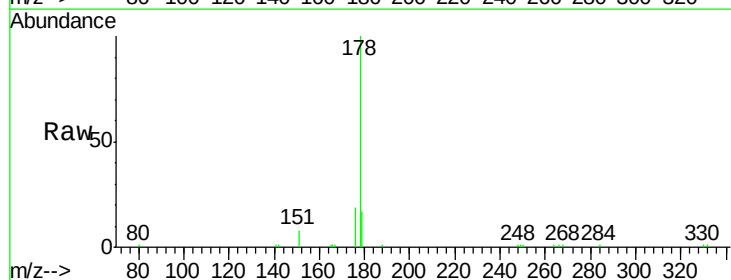
Tgt Ion:178 Resp: 7931

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

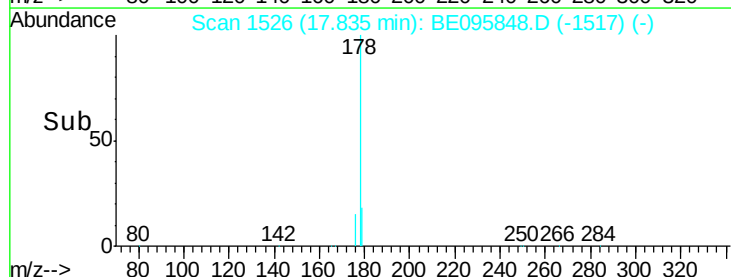
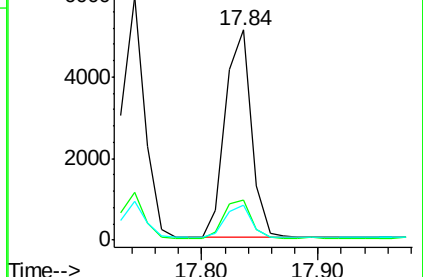
179 15.7 13.0 19.6

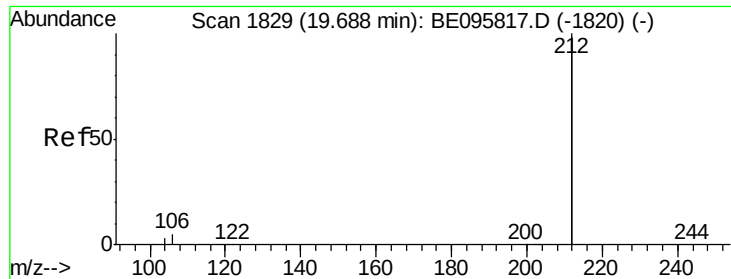


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

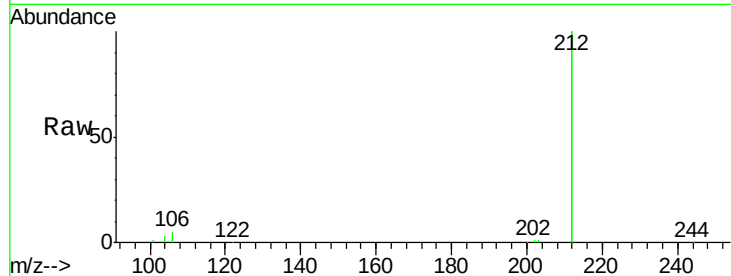
Tot Ion:212 Resp: 39193

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

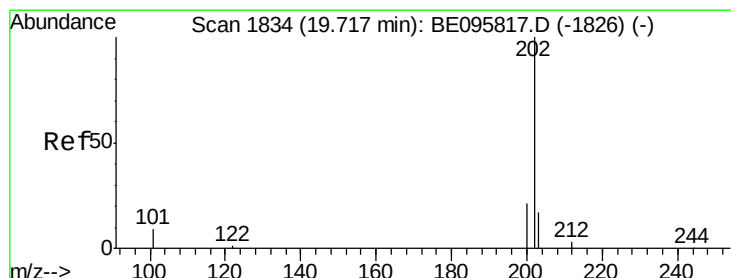
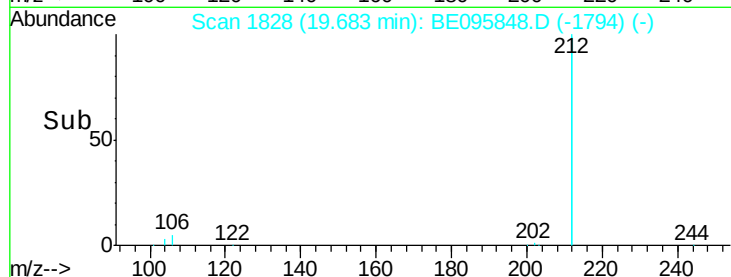
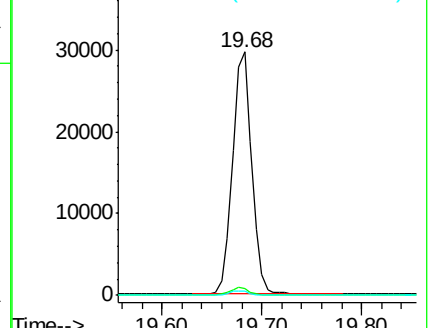
104 1.7 1.6 2.4



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: 0.411 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

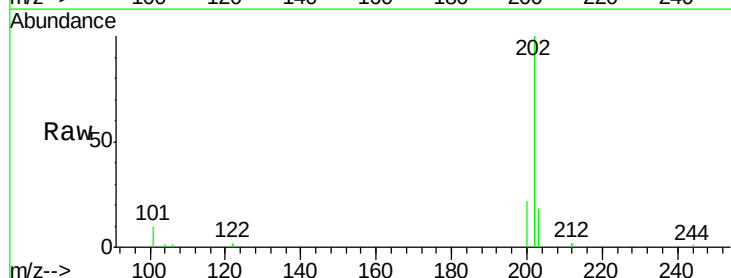
Tgt Ion:202 Resp: 11165

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

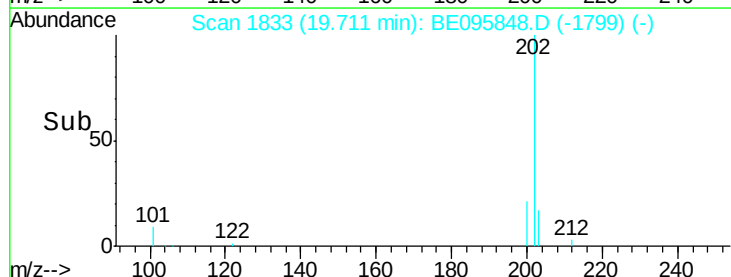
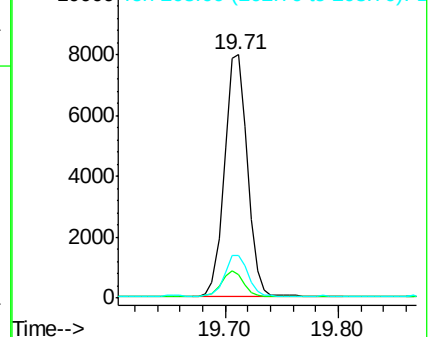
203 17.4 13.7 20.5

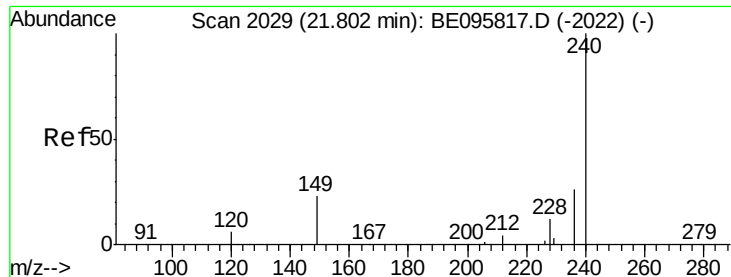


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

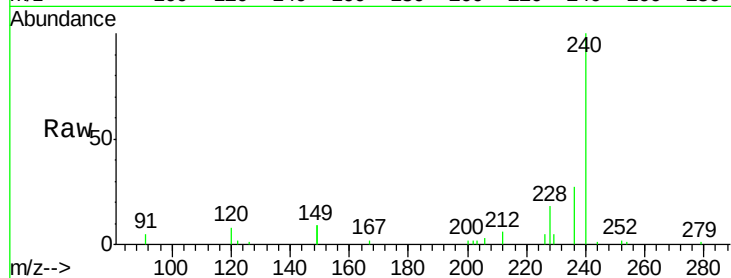
Tot Ion:240 Resp: 7779

Ion Ratio Lower Upper

240 100

120 8.2 5.5 8.3

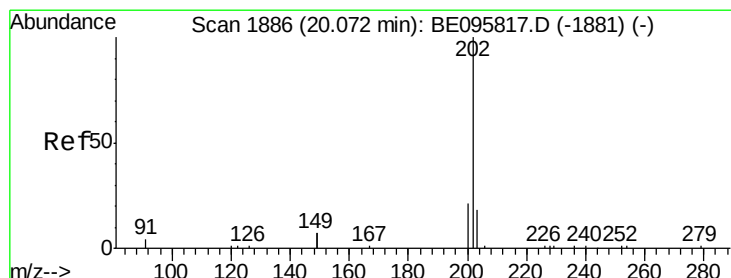
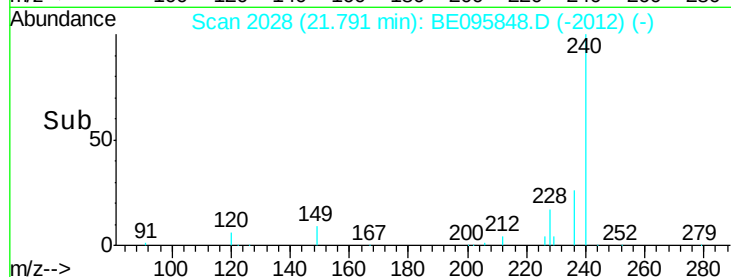
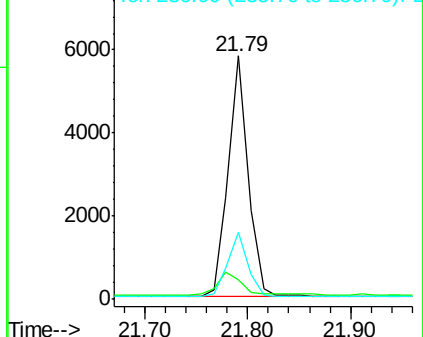
236 27.3 20.7 31.1



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: 0.380 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

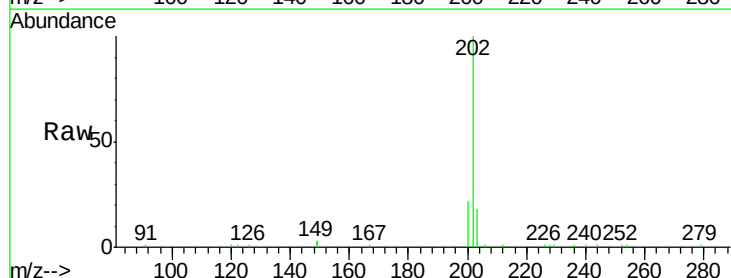
Tgt Ion:202 Resp: 12034

Ion Ratio Lower Upper

202 100

200 26.4 16.6 25.0#

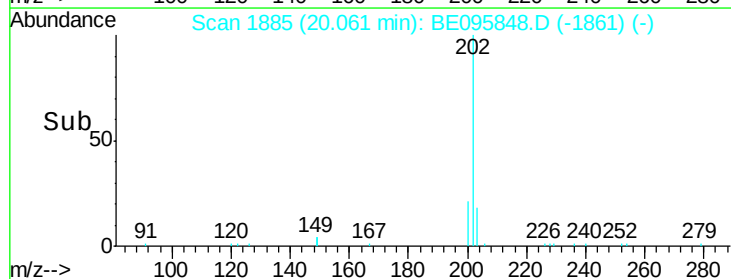
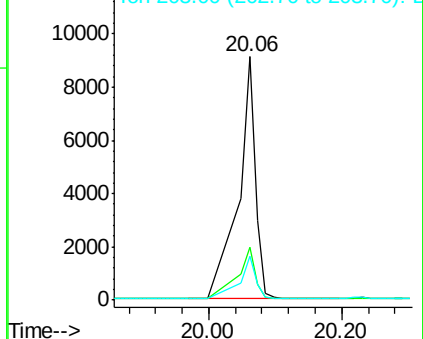
203 18.5 13.8 20.8

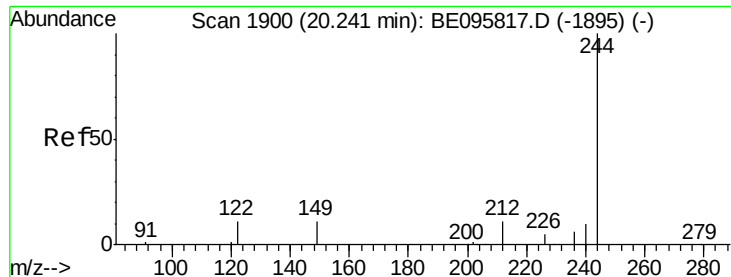


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.399 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

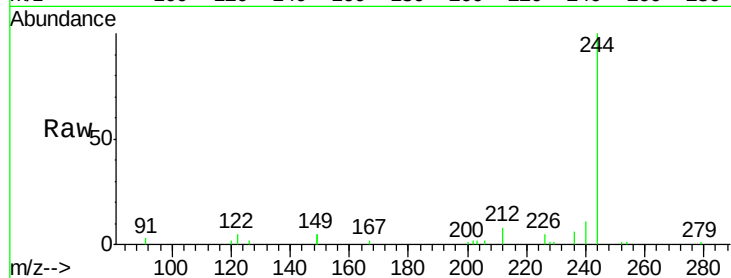
Tot Ion:244 Resp: 6599

Ion Ratio Lower Upper

244 100

212 7.7 25.4 38.0#

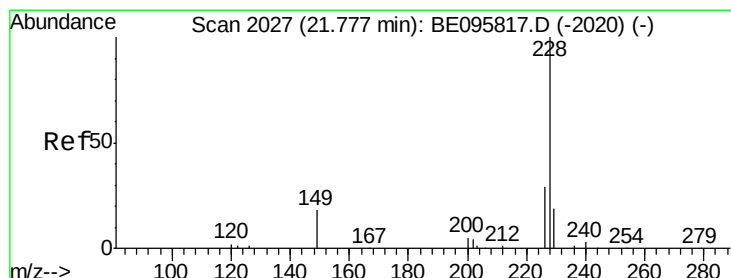
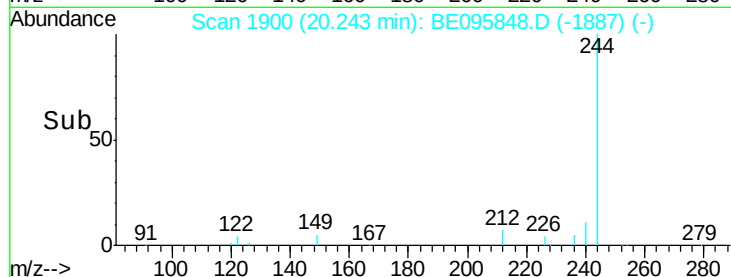
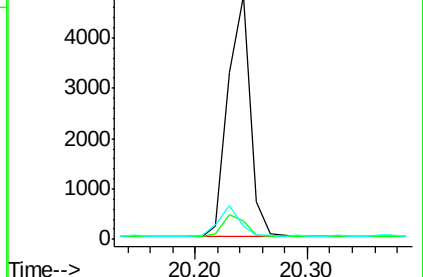
122 5.3 8.1 12.1#



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: 0.413 ng

RT: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

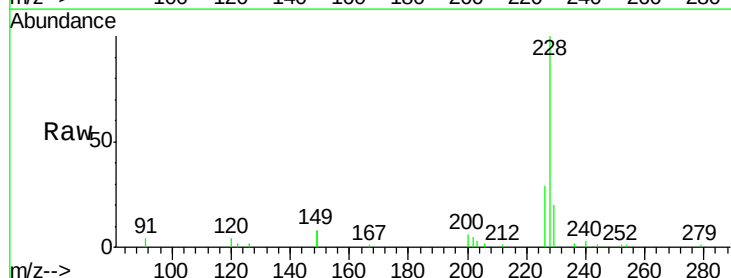
Tgt Ion:228 Resp: 11153

Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

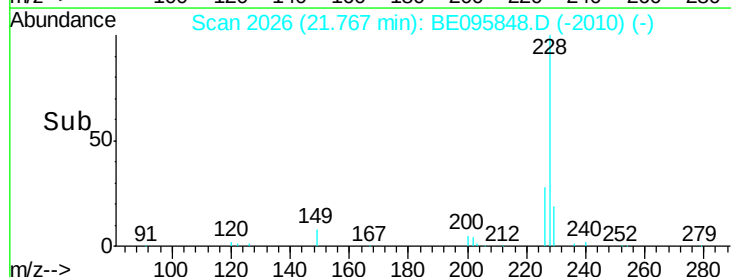
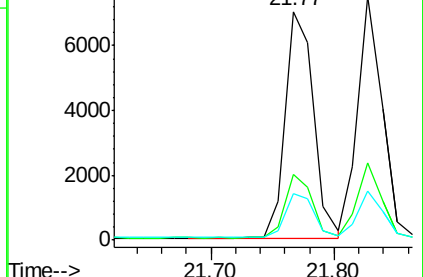
229 20.3 16.0 24.0

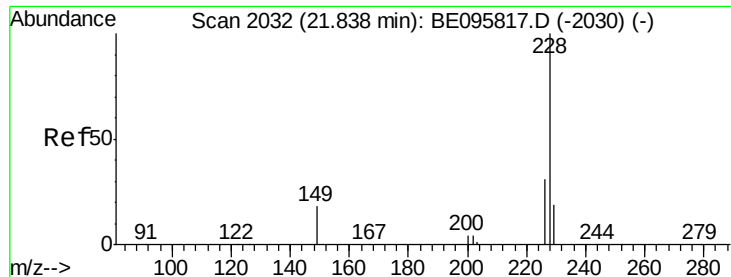


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.417 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

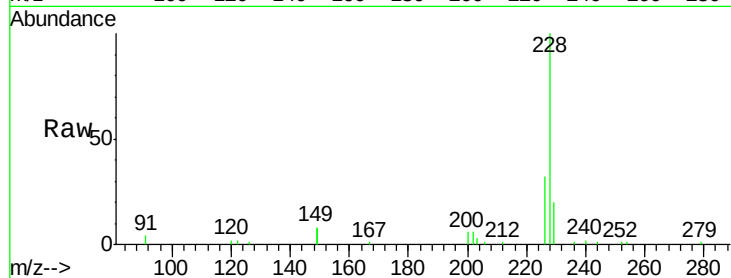
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 10257

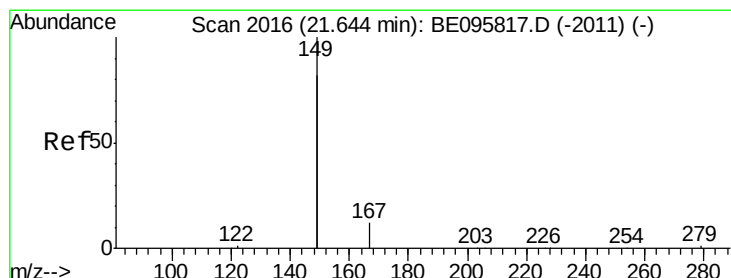
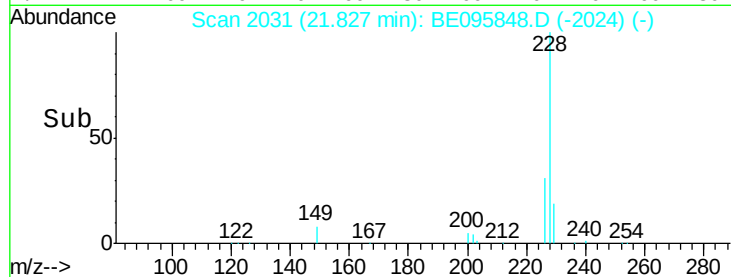
Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	20.2	16.0	24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.363 ng

RT: 21.63 min Scan# 2015

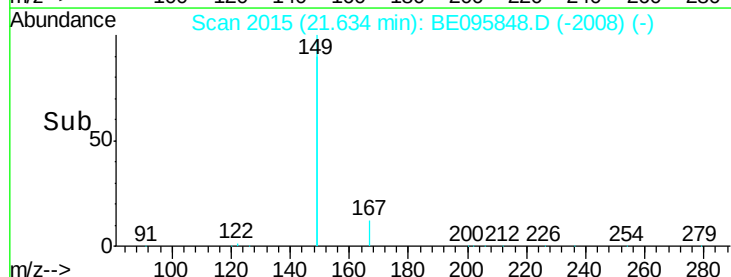
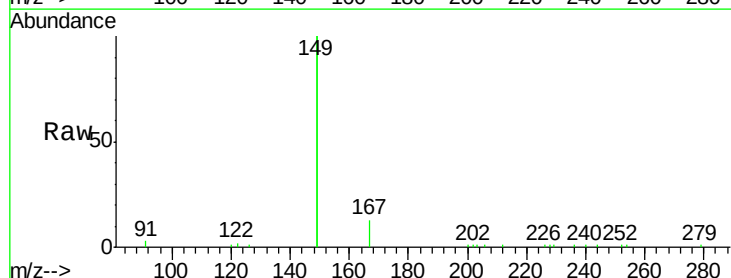
Delta R.T. -0.01 min

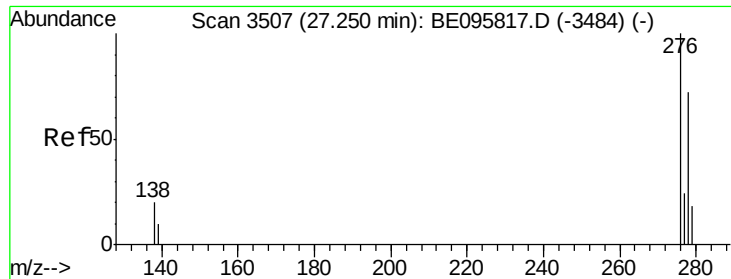
Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Tgt Ion:149 Resp: 29981

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: 0.406 ng

RT: 27.22 min Scan# 3498

Delta R.T. -0.03 min

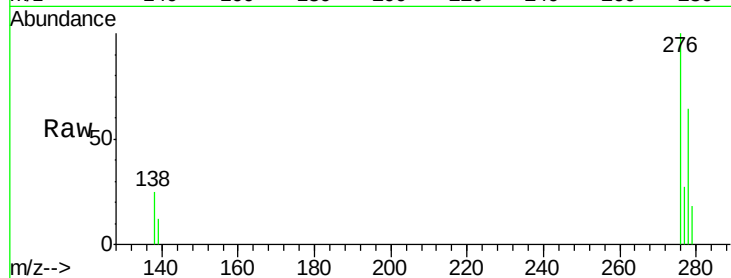
Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

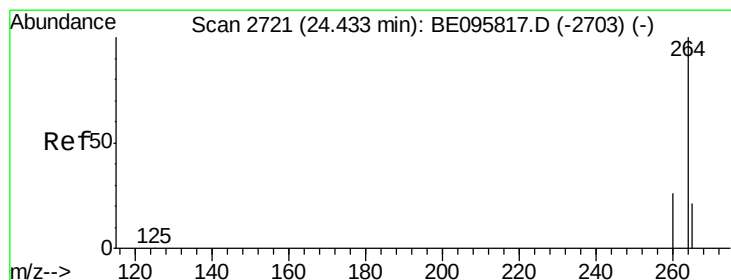
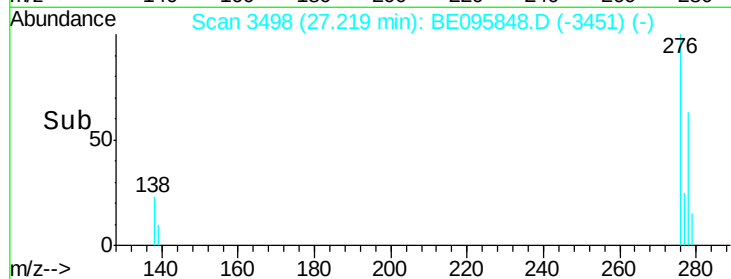
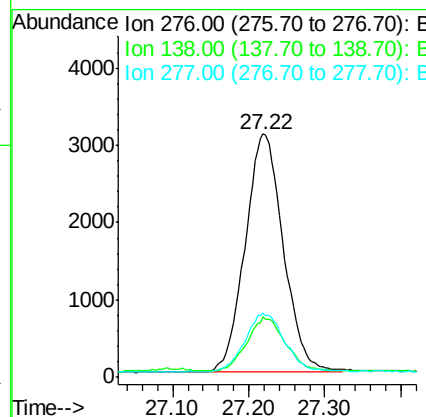
Instrument :

BNA_E

ClientSampleId :



Tot Ion:276	Resp:	10759
Ion	Ratio	Lower Upper
276	100	
138	22.1	22.5 33.7#
277	25.2	19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

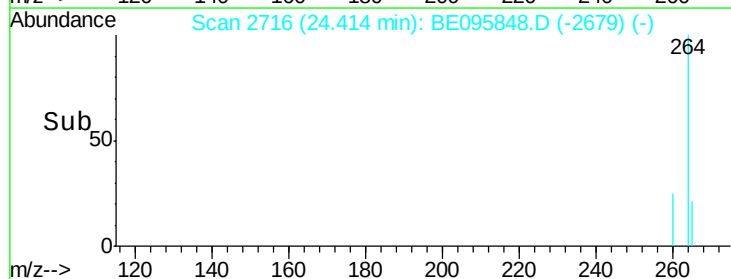
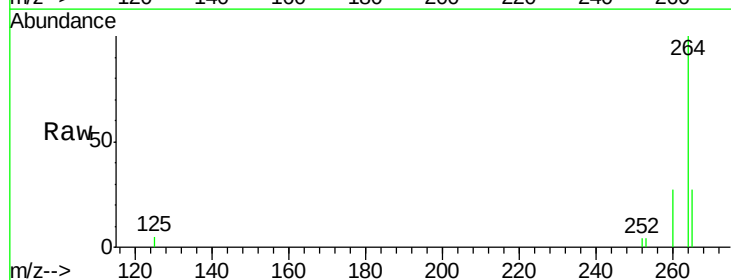
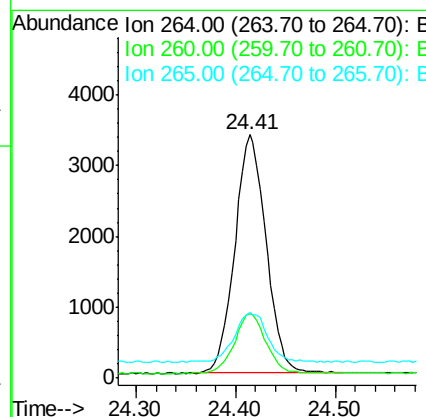
RT: 24.41 min Scan# 2716

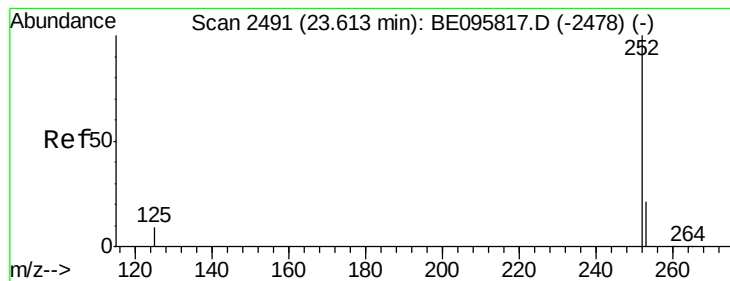
Delta R.T. -0.02 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Tgt Ion:264	Resp:	7340
Ion	Ratio	Lower Upper
264	100	
260	26.6	20.5 30.7
265	27.0	22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.414 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

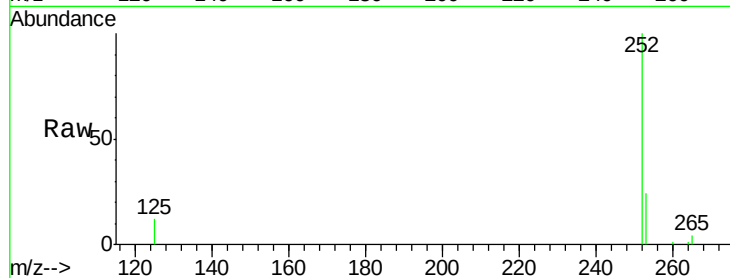
Tot Ion:252 Resp: 10053

Ion Ratio Lower Upper

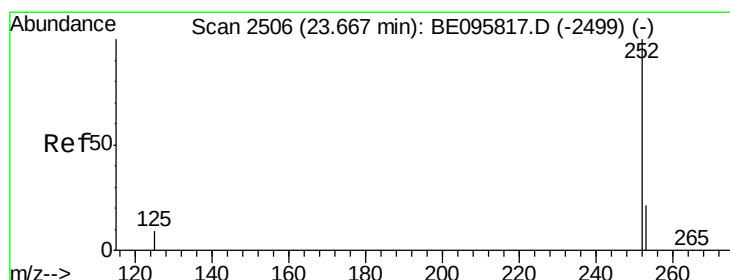
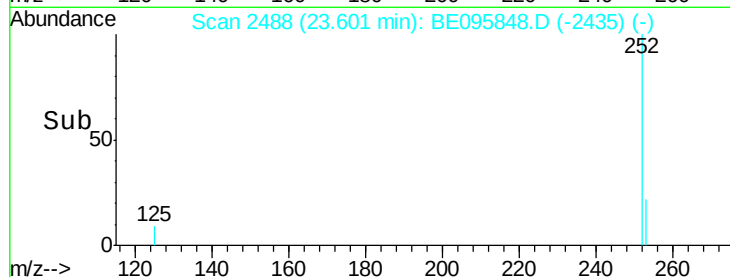
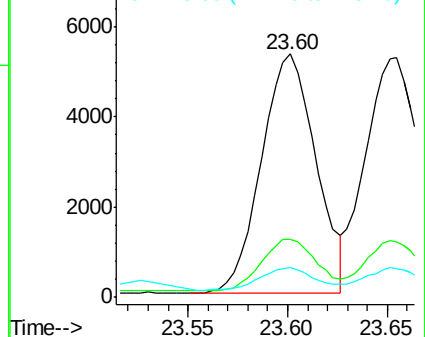
252 100

253 24.0 20.0 30.0

125 12.2 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: 0.415 ng

RT: 23.65 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

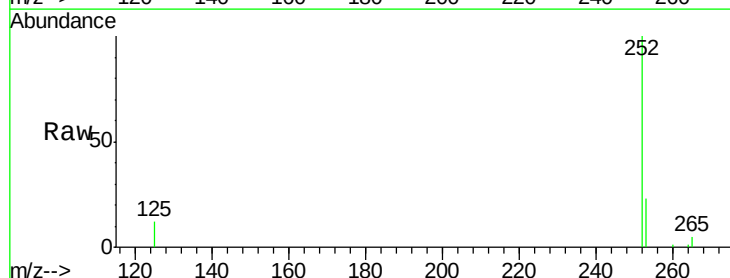
Tgt Ion:252 Resp: 10087

Ion Ratio Lower Upper

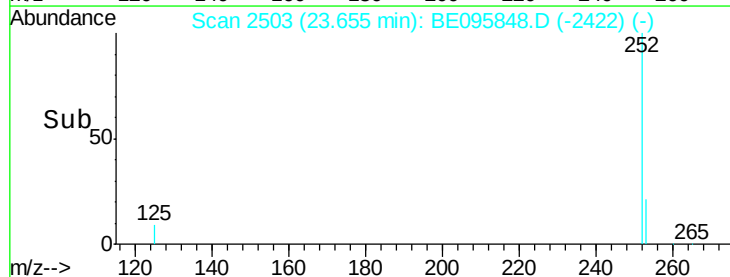
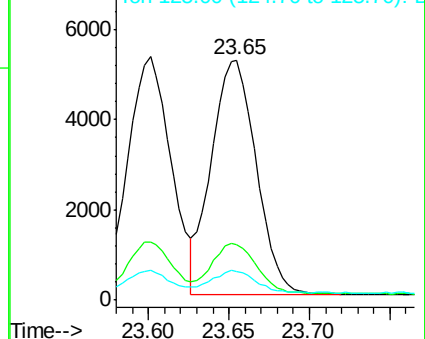
252 100

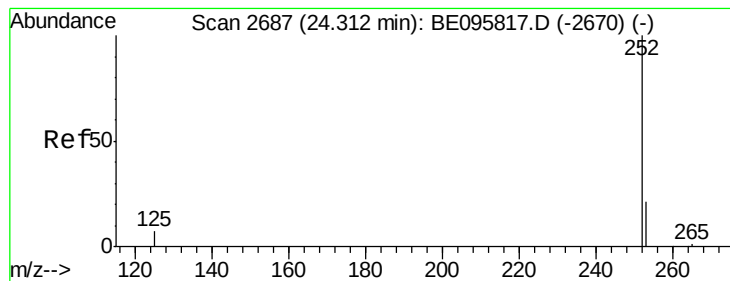
253 23.0 16.0 24.0

125 12.2 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: 0.412 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.02 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :

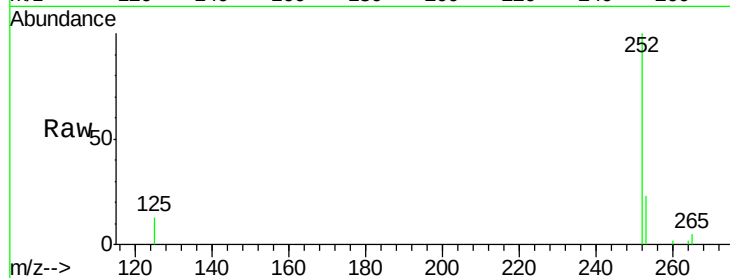
Tot Ion:252 Resp: 9381

Ion Ratio Lower Upper

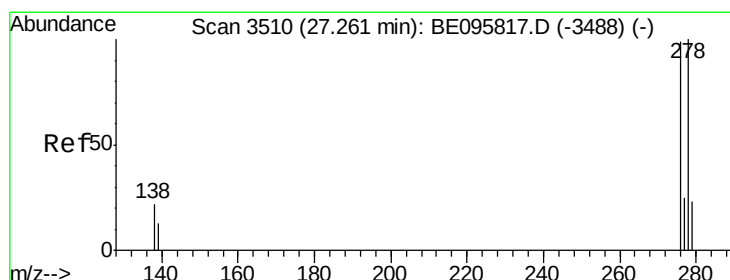
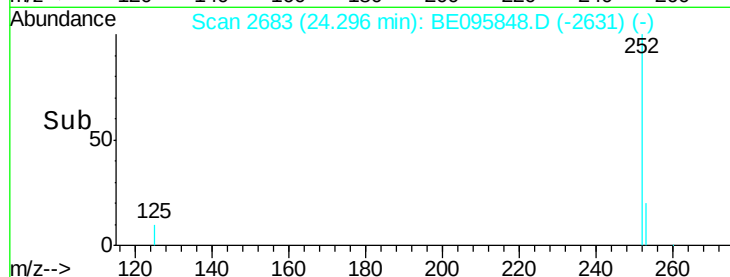
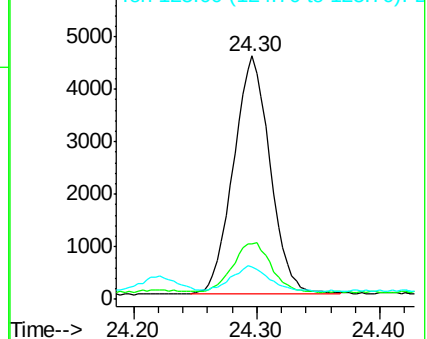
252 100

253 22.9 16.0 24.0

125 13.4 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: 0.412 ng

RT: 27.24 min Scan# 3503

Delta R.T. -0.02 min

Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

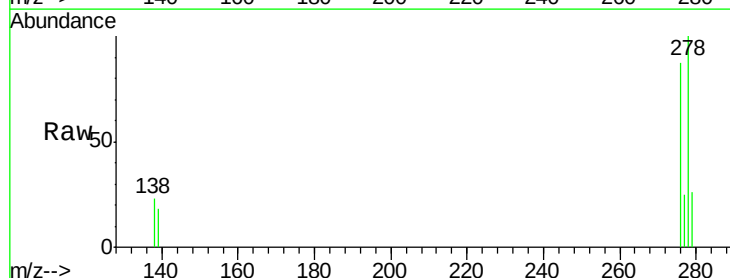
Tgt Ion:278 Resp: 8911

Ion Ratio Lower Upper

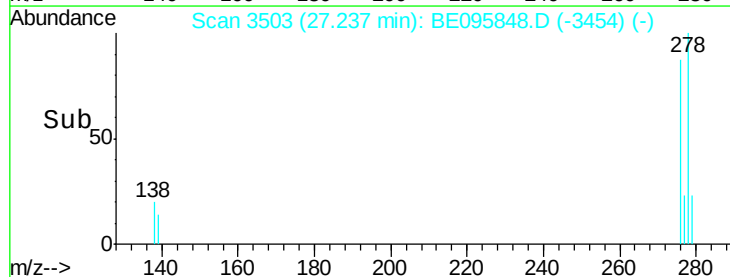
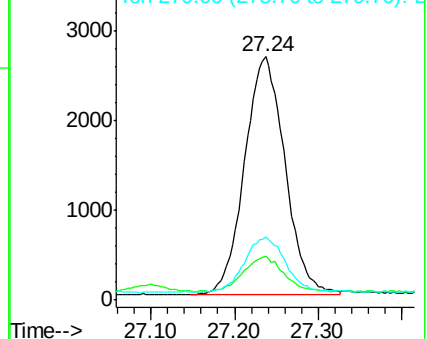
278 100

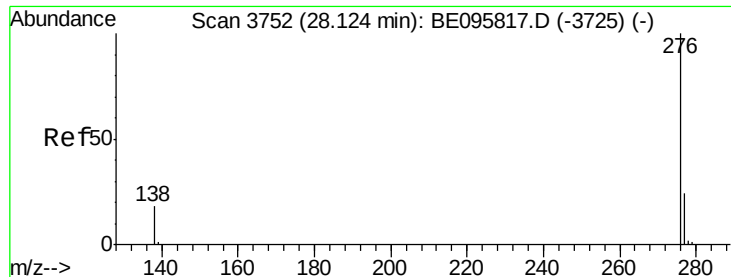
139 18.2 16.0 24.0

279 25.8 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: 0.413 ng

RT: 28.09 min Scan# 3743

Delta R.T. -0.03 min

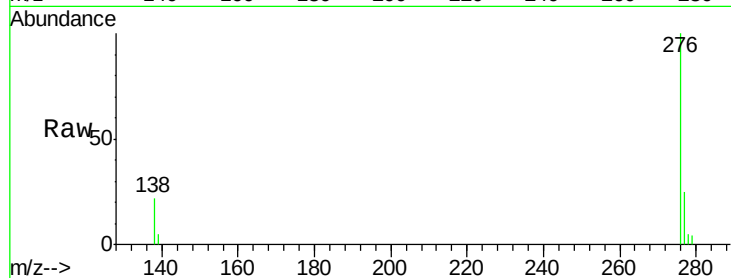
Lab File: BE095848.D

Acq: 26 Mar 2018 20:25

Instrument :

BNA_E

ClientSampleId :



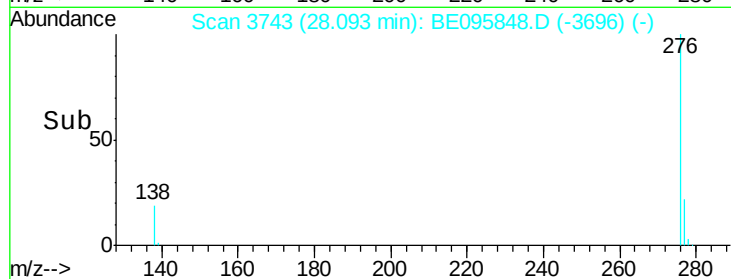
Tot Ion: 276 Resp: 8964

Ion Ratio Lower Upper

276 100

277 24.9 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

