

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095843.D
 Acq On : 26 Mar 2018 16:47
 Operator : SJ/JU
 Sample : J2006-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:41:38 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	1180	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4430	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2546	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6238	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7467	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7494	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	605	0.16	ng	0.00
5) Phenol-d6	7.56	99	503	0.09	ng	0.00
8) Nitrobenzene-d5	9.59	82	2514	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2846	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	617	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5700	0.53	ng	-0.01
25) Fluoranthene-d10	19.68	212	36359	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	9822	0.62	ng	0.00

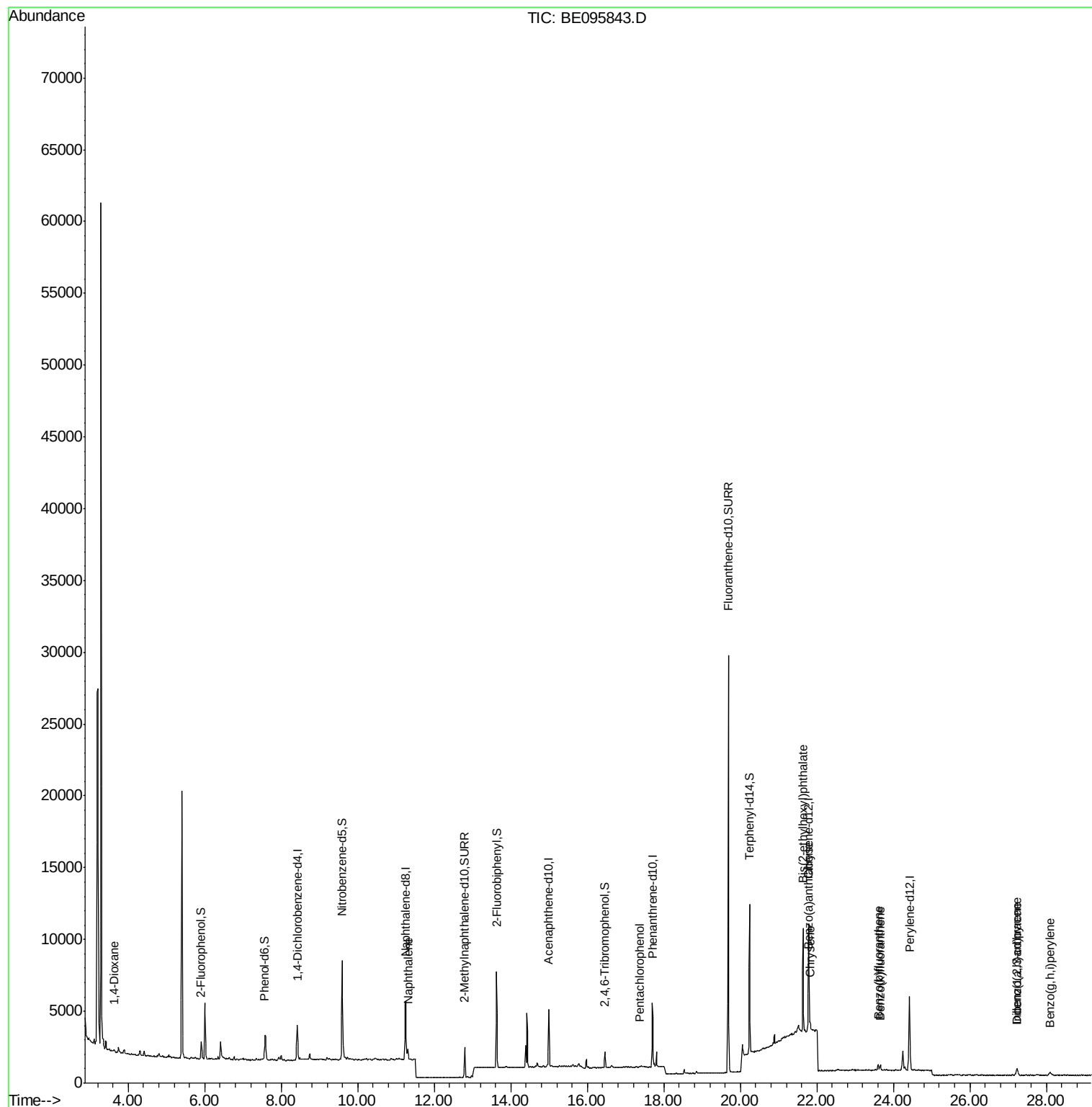
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.63	88	116	0.060	ng	# 1
9) Naphthalene	11.31	128	1243	0.025	ng	# 85
22) Pentachlorophenol	17.36	266	22	0.147	ng	# 98
30) Benzo(a)anthracene	21.78	228	542	0.021	ng	# 70
31) Chrysene	21.83	228	534	0.023	ng	# 57
32) Bis(2-ethylhexyl)phthalate	21.64	149	8780	0.111	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.23	276	669	0.026	ng	# 74
35) Benzo(b)fluoranthene	23.60	252	611	0.025	ng	# 31
36) Benzo(k)fluoranthene	23.66	252	577	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	27.24	278	542	0.025	ng	# 18
39) Benzo(a,h,i)perylene	28.10	276	514	0.023	ng	# 31

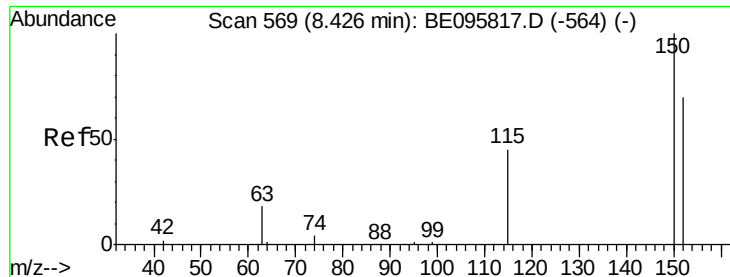
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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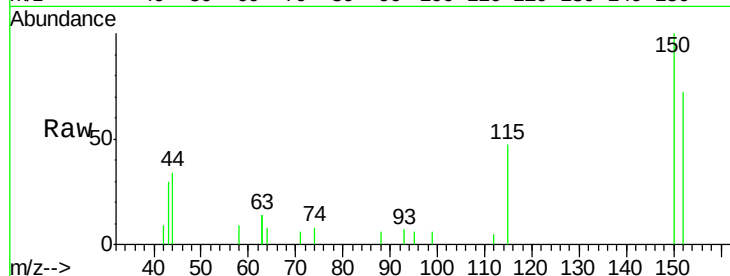


#1

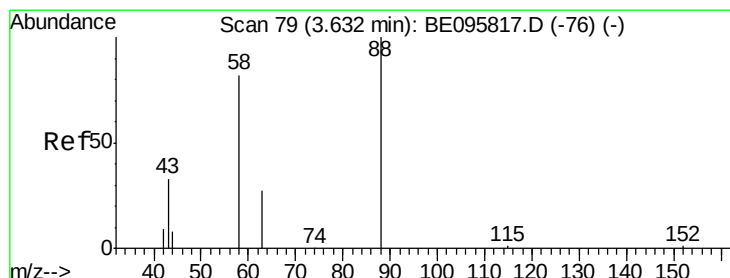
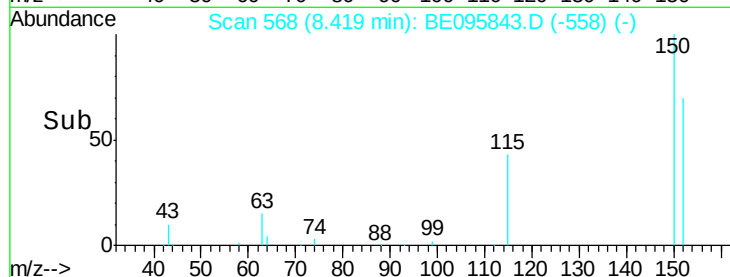
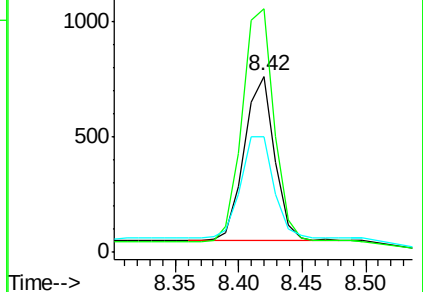
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1180
Ion Ratio Lower Upper
152 100
150 138.3 117.2 175.8
115 65.7 57.0 85.6



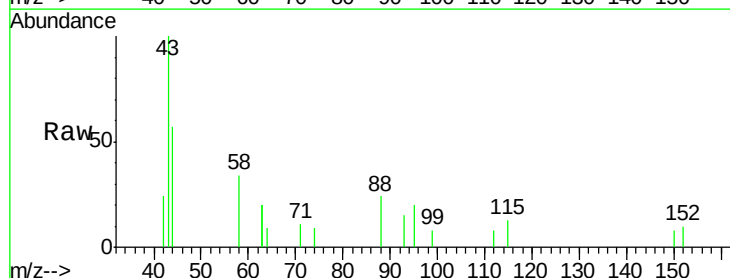
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



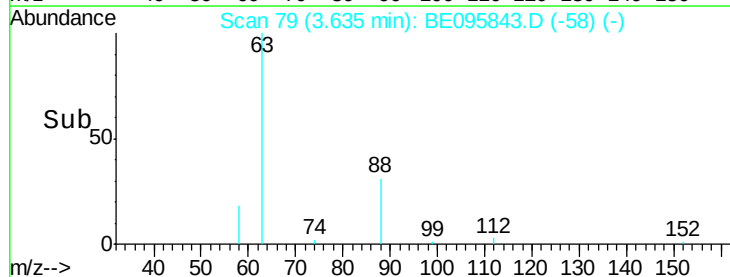
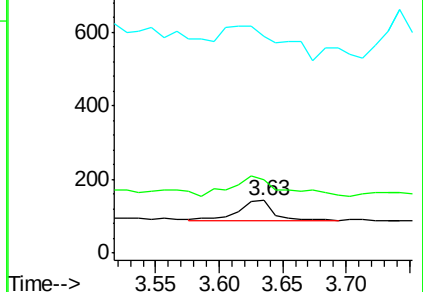
#2

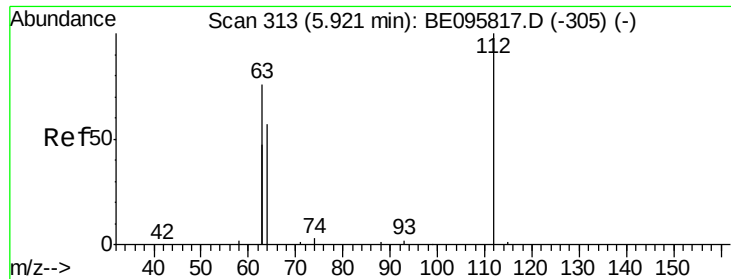
1,4-Dioxane
Concen: 0.060 ng
RT: 3.63 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
58 127.6 63.2 94.8#
43 250.9 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





#4

2-Fluorophenol

Concen: 0.156 ng

RT: 5.91 min Scan# 312

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

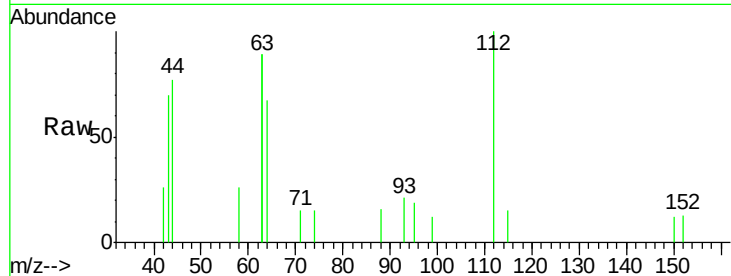
Tot Ion: 112 Resp: 605

Ion Ratio Lower Upper

112 100

64 74.7 60.1 90.1

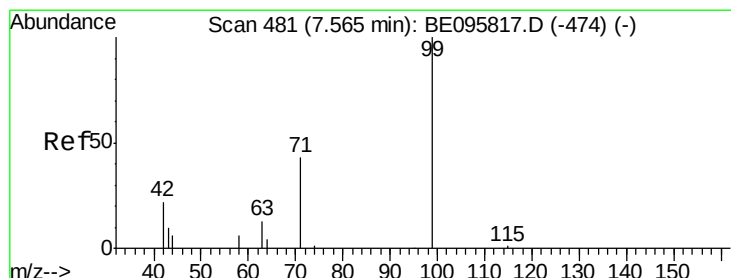
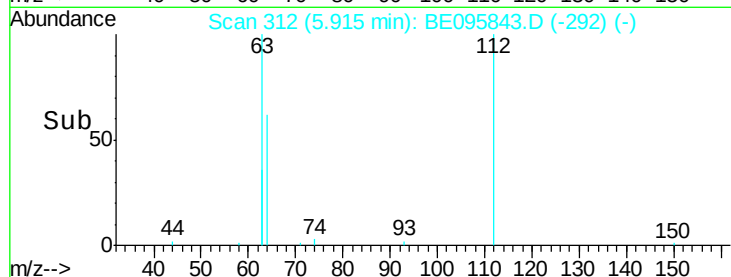
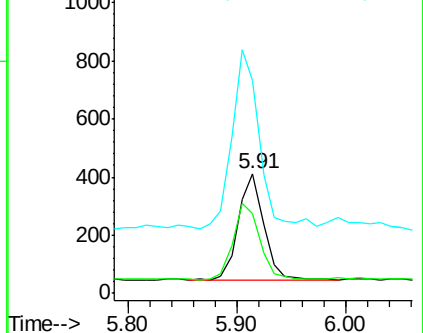
63 179.3 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.094 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

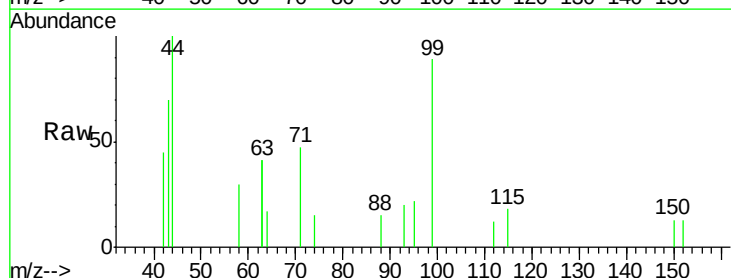
Tgt Ion: 99 Resp: 503

Ion Ratio Lower Upper

99 100

42 39.4 20.2 30.2#

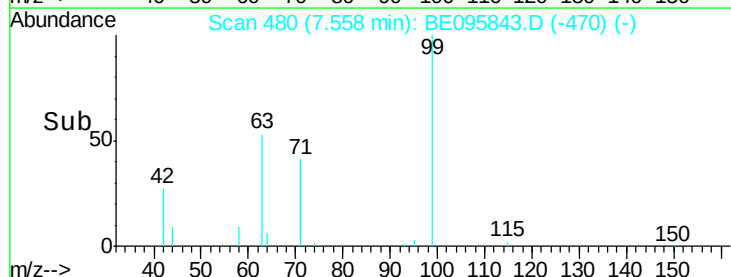
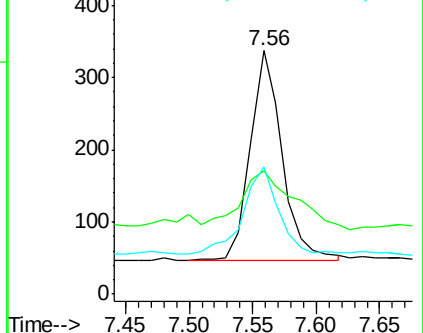
71 46.1 28.4 42.6#

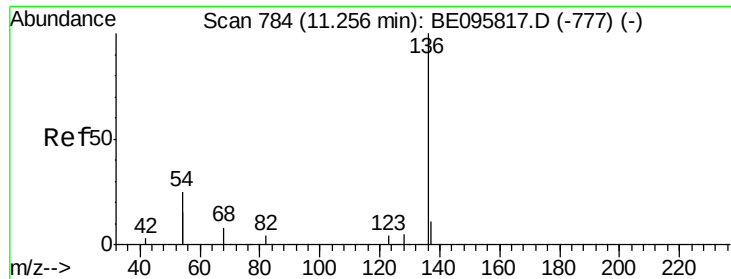


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4430

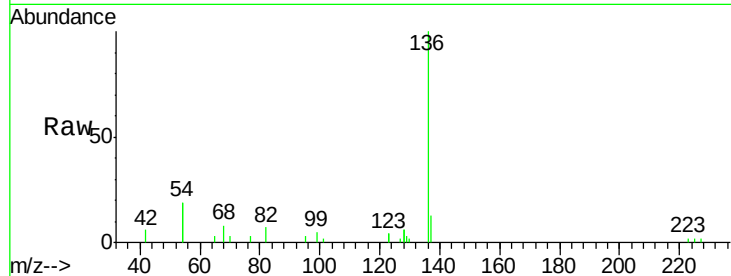
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 38.9 29.1 43.7

68 8.1 6.2 9.2

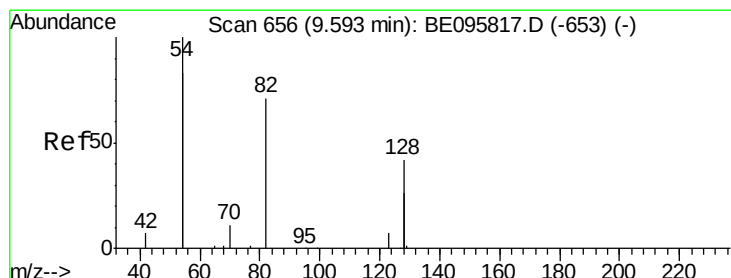
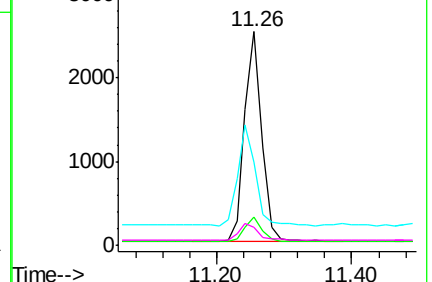
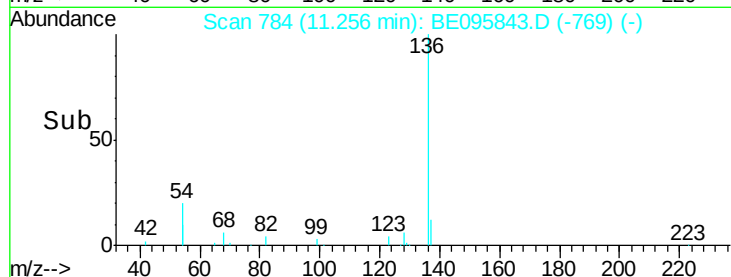


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.480 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

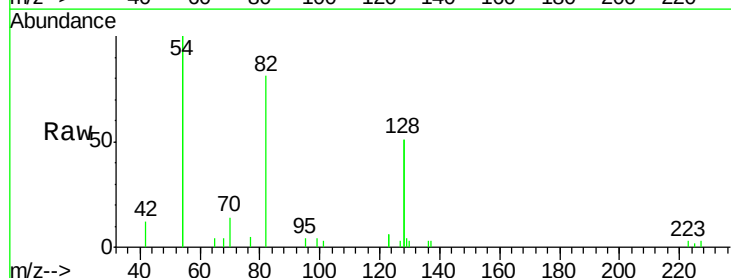
Tgt Ion: 82 Resp: 2514

Ion Ratio Lower Upper

82 100

128 125.6 150.0 225.0#

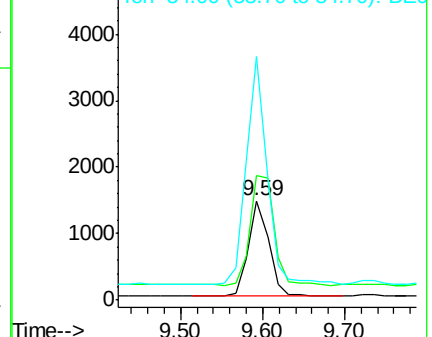
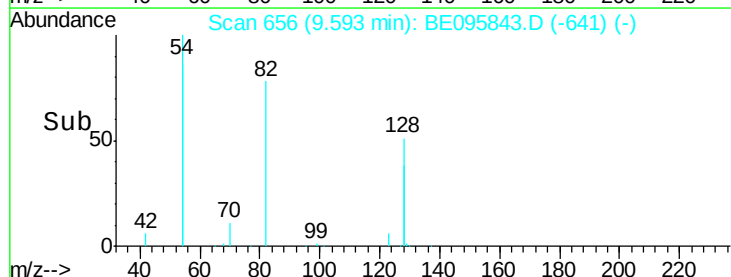
54 245.8 154.2 231.4#

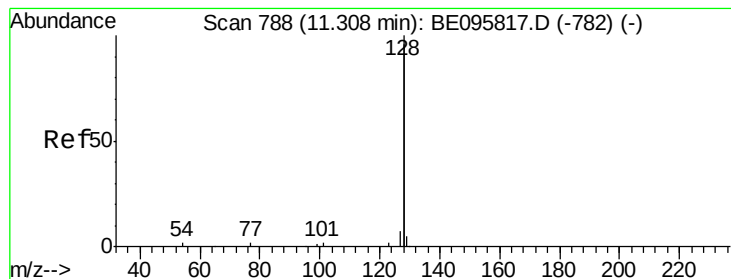


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.025 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

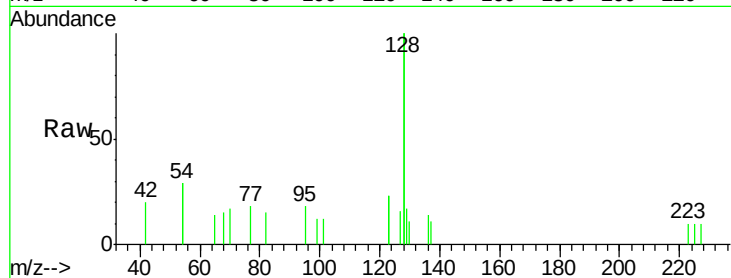
Tot Ion:128 Resp: 1243

Ion Ratio Lower Upper

128 100

129 8.7 2.6 3.8#

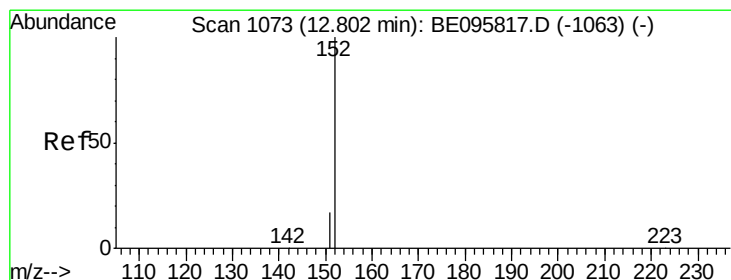
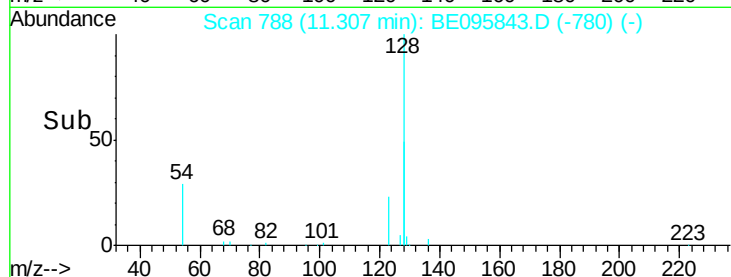
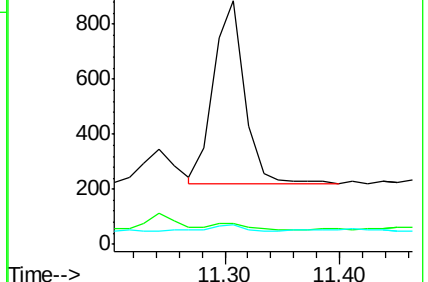
127 8.0 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.385 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095843.D

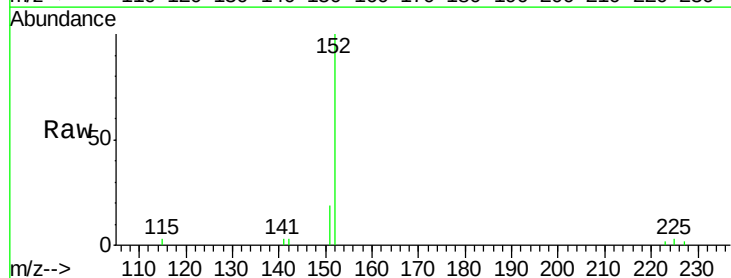
Acq: 26 Mar 2018 16:47

Tgt Ion:152 Resp: 2846

Ion Ratio Lower Upper

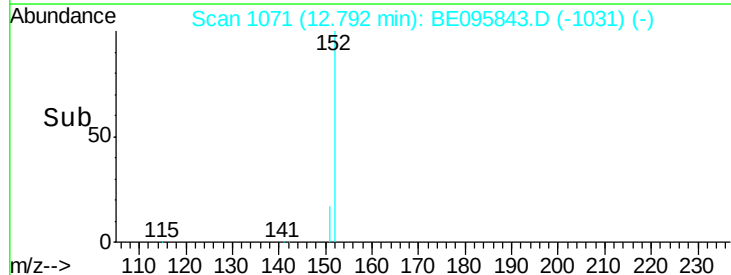
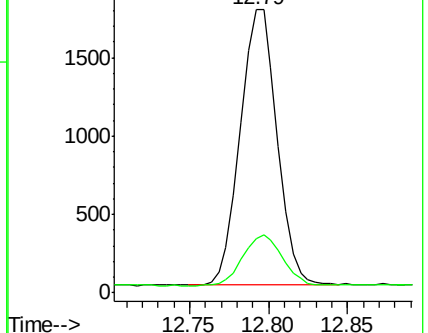
152 100

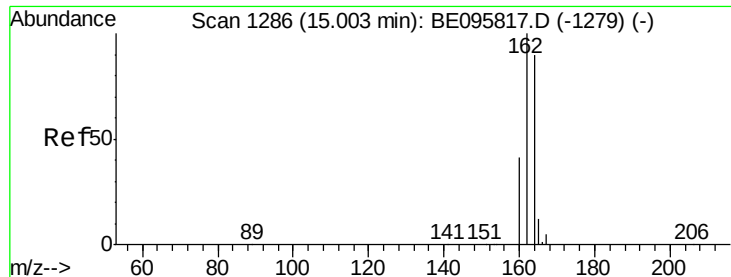
151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

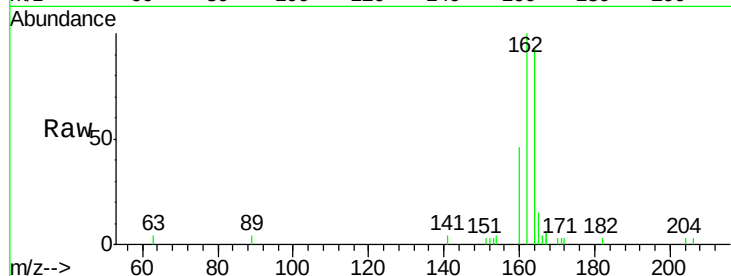
Tot Ion:164 Resp: 2546

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

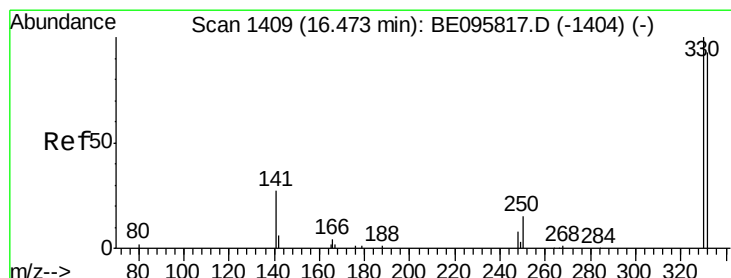
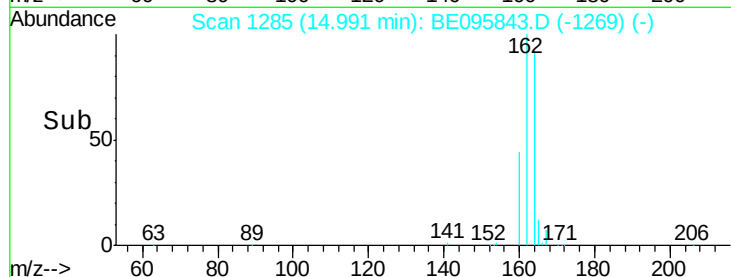
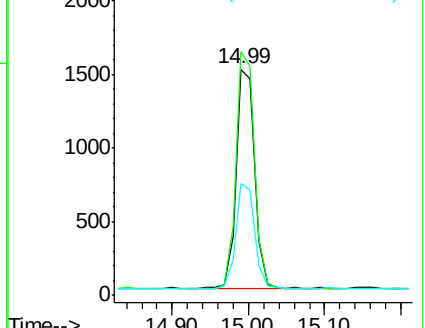
160 49.3 37.1 55.7



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: 0.420 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

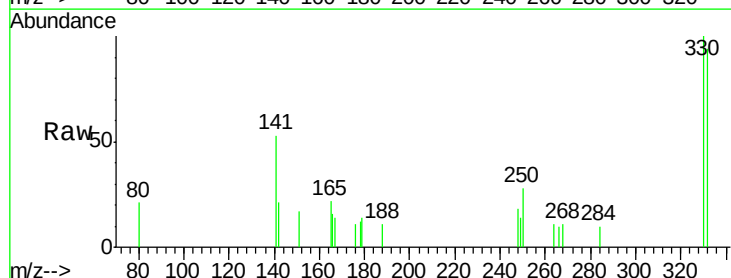
Tgt Ion:330 Resp: 617

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

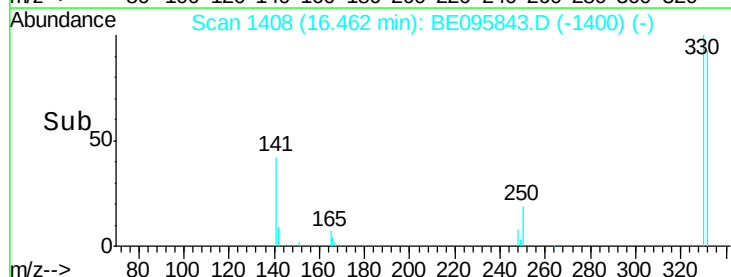
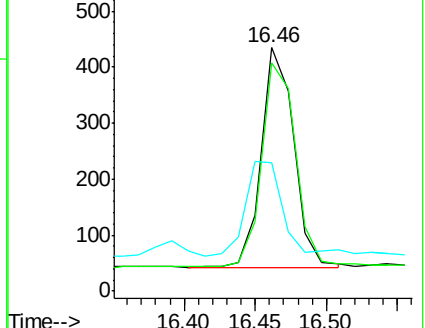
141 48.5 33.7 50.5

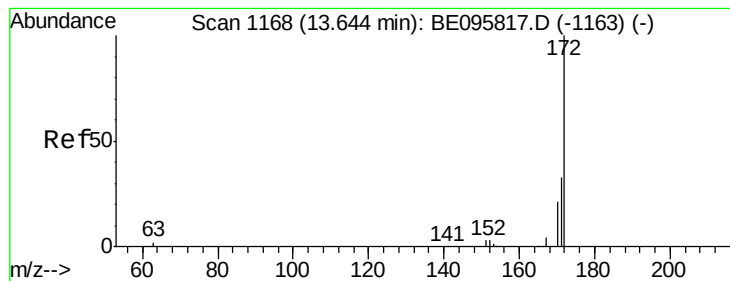


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

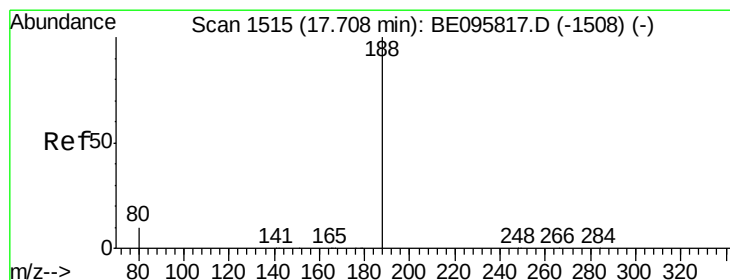
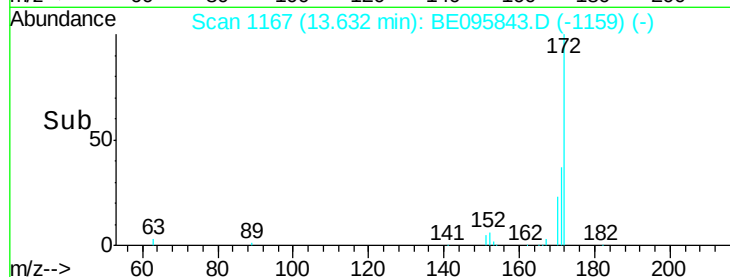
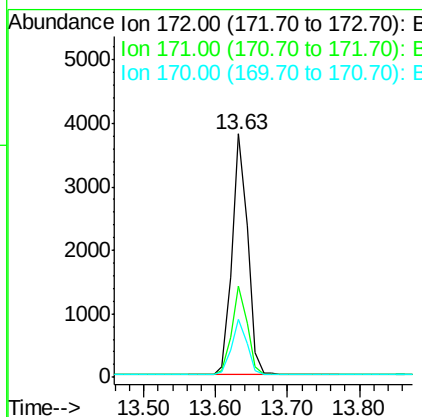
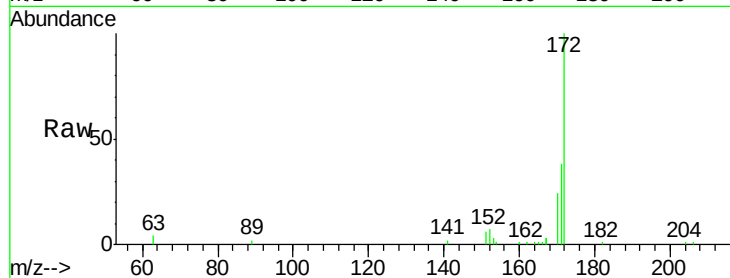




#15
2-Fluorobiphenyl
Concen: 0.531 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

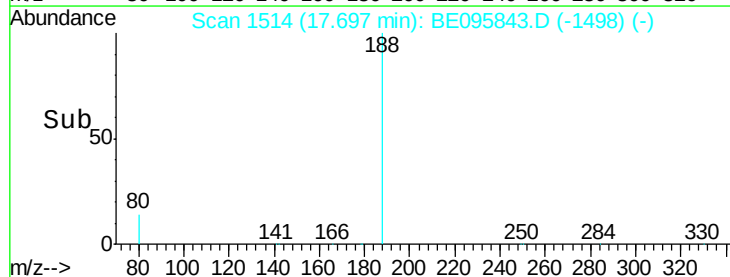
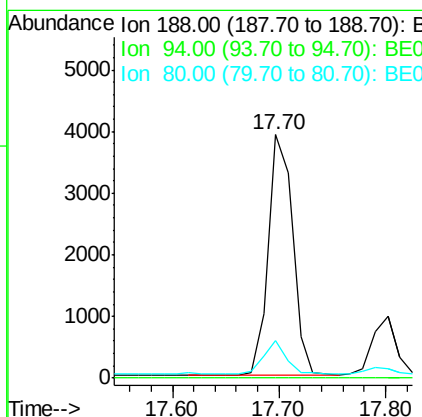
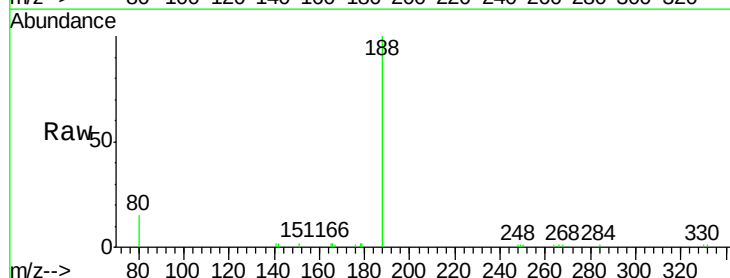
Instrument :
BNA_E
ClientSampleId :

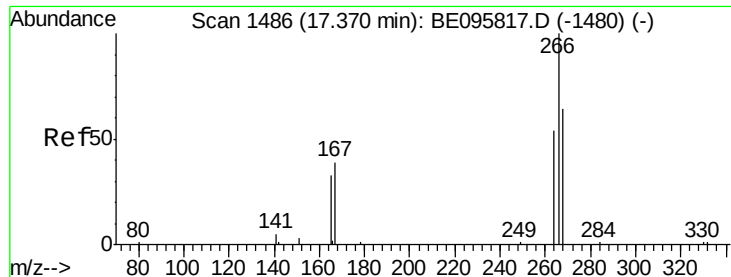
Tot Ion:172 Resp: 5700
Ion Ratio Lower Upper
172 100
171 37.7 29.9 44.9
170 23.9 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

Tgt Ion:188 Resp: 6238
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.3 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.147 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

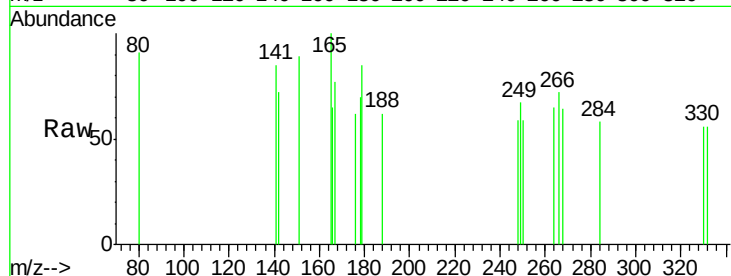
Tot Ion:266 Resp: 22

Ion Ratio Lower Upper

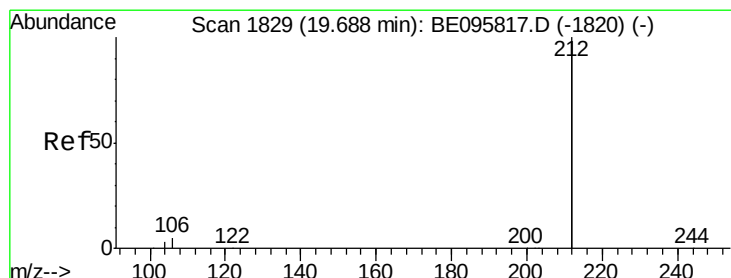
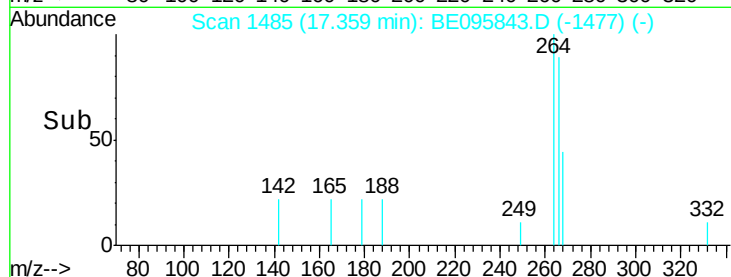
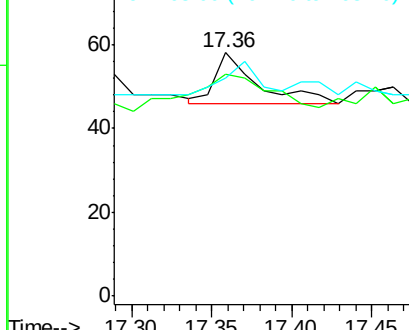
266 100

264 91.4 72.5 108.7

268 89.7 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



#25

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

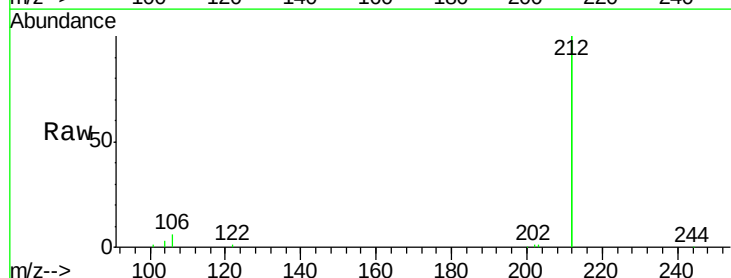
Tgt Ion:212 Resp: 36359

Ion Ratio Lower Upper

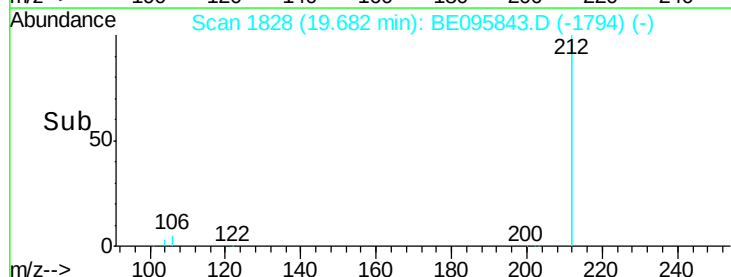
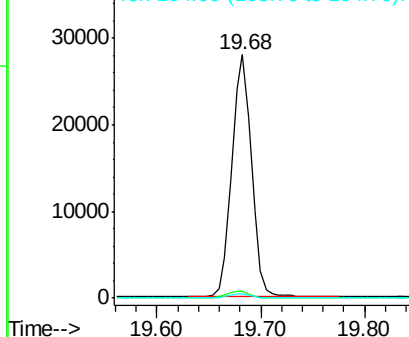
212 100

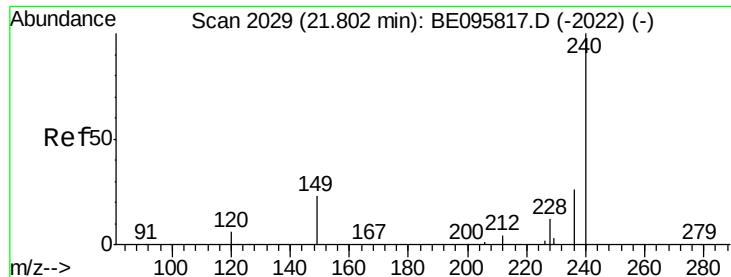
106 2.9 2.8 4.2

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

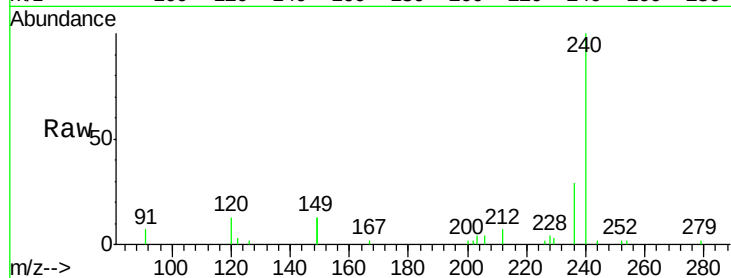
Tot Ion:240 Resp: 7467

Ion Ratio Lower Upper

240 100

120 12.9 5.5 8.3#

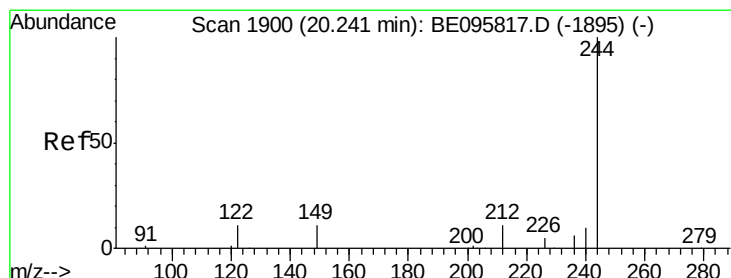
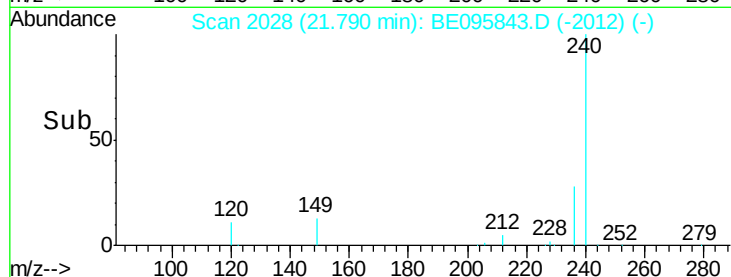
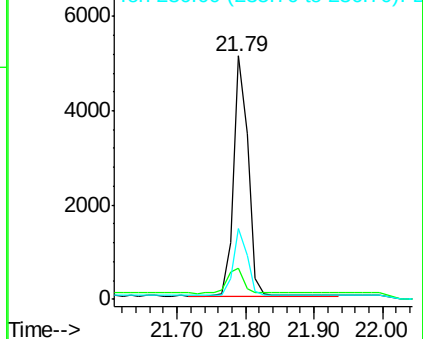
236 29.1 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.619 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

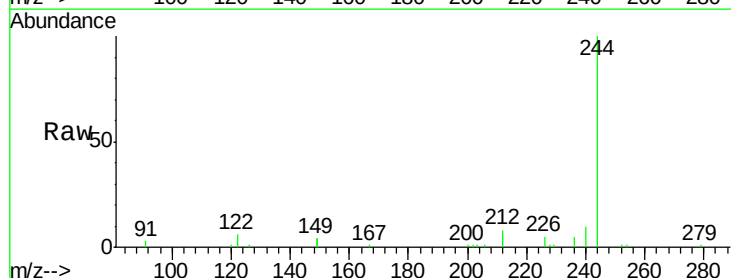
Tgt Ion:244 Resp: 9822

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

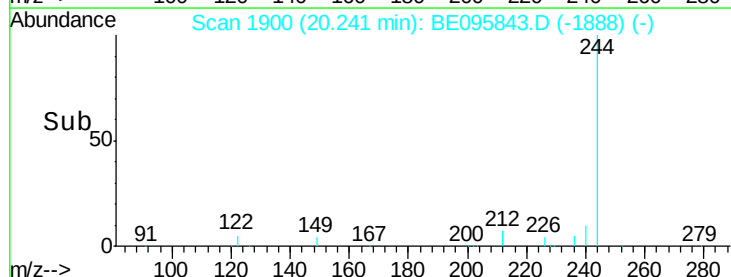
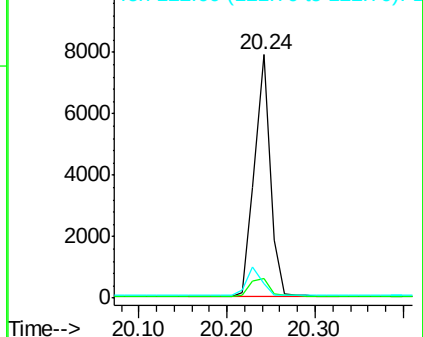
122 6.2 8.1 12.1#

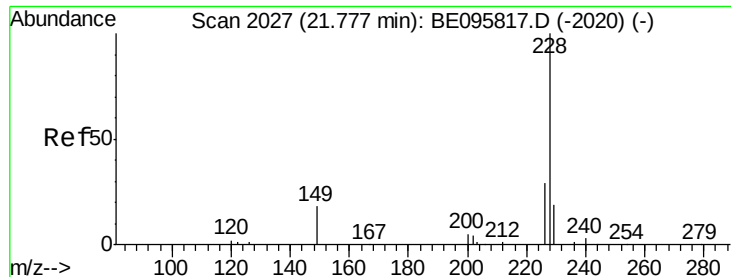


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampled :

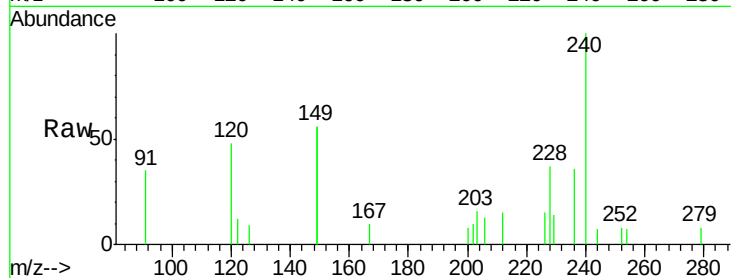
Tot Ion:228 Resp: 542

Ion Ratio Lower Upper

228 100

226 42.0 24.0 36.0#

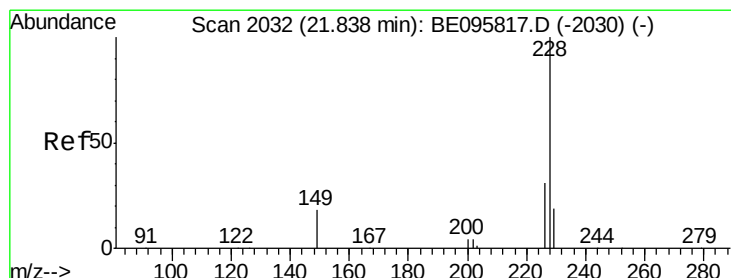
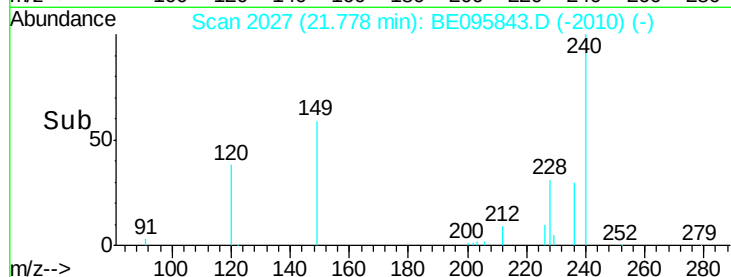
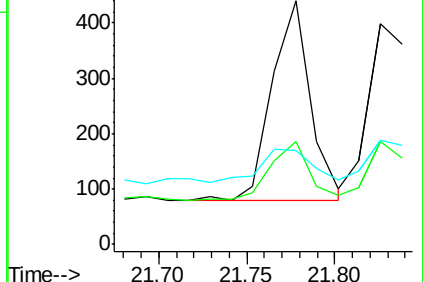
229 38.6 16.0 24.0#



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: 0.023 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

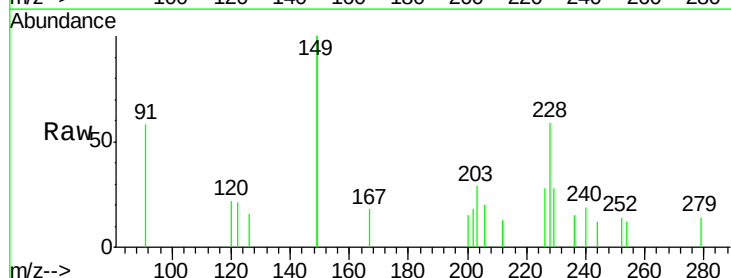
Tgt Ion:228 Resp: 534

Ion Ratio Lower Upper

228 100

226 47.0 24.0 36.0#

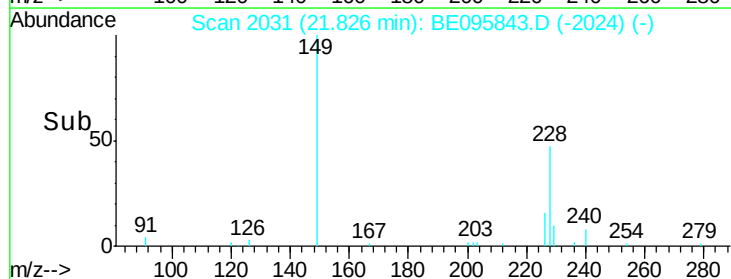
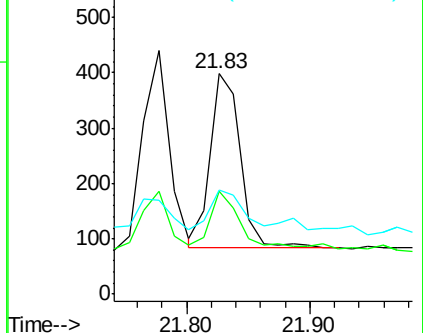
229 47.2 16.0 24.0#

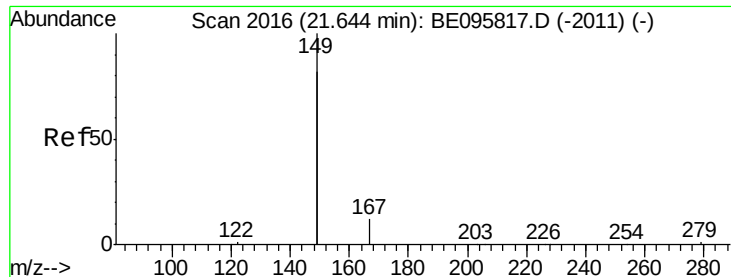


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.111 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :

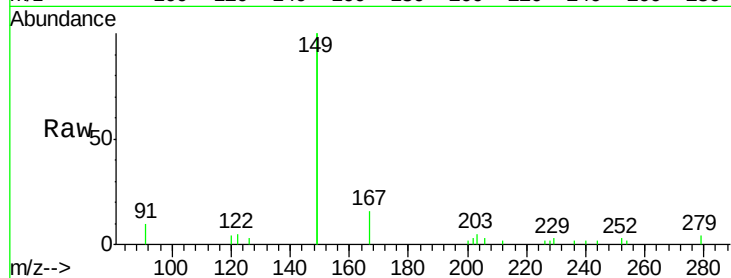
Tot Ion:149 Resp: 8780

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

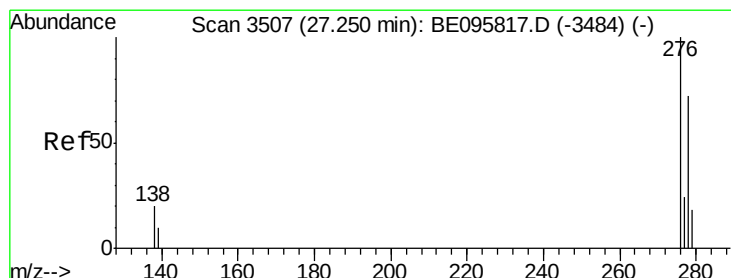
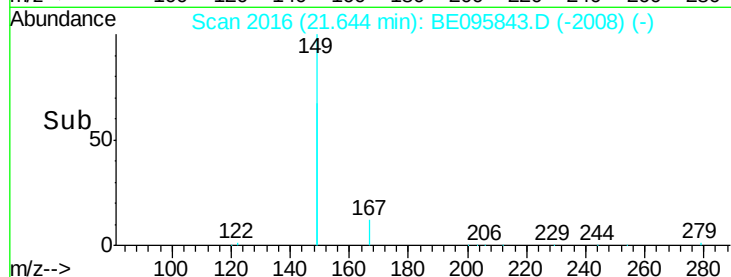
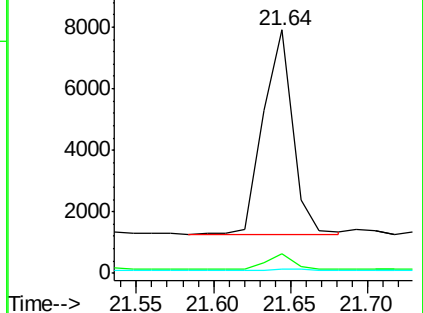
279 0.8 0.7 1.1



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: 0.026 ng

RT: 27.23 min Scan# 3500

Delta R.T. -0.03 min

Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

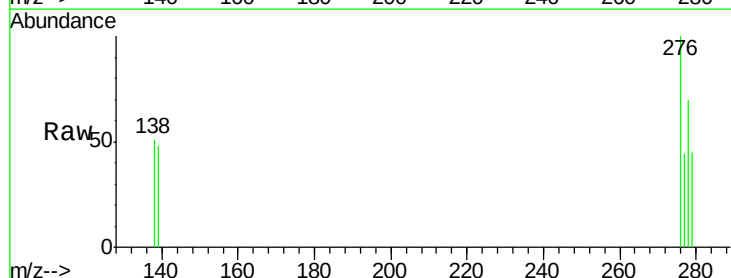
Tgt Ion:276 Resp: 669

Ion Ratio Lower Upper

276 100

138 12.9 22.5 33.7#

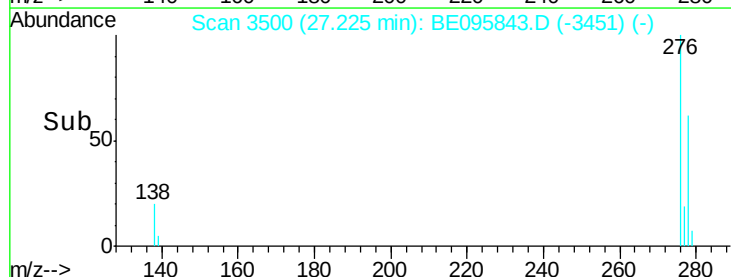
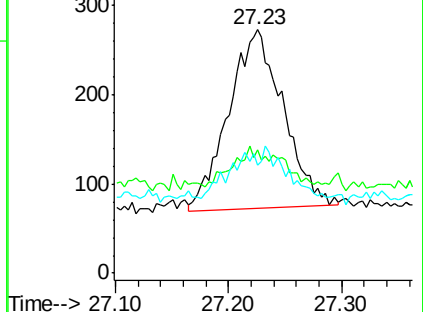
277 13.5 19.9 29.9#

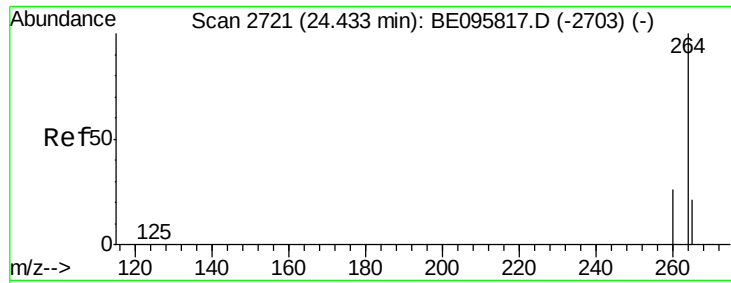


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

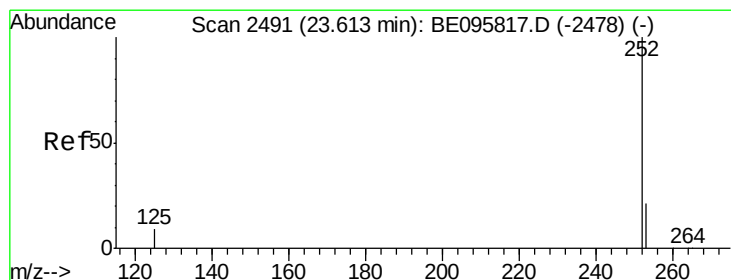
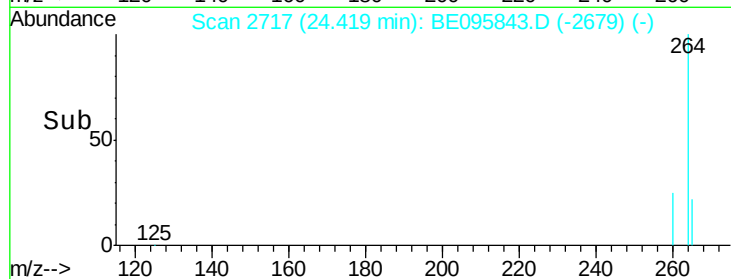
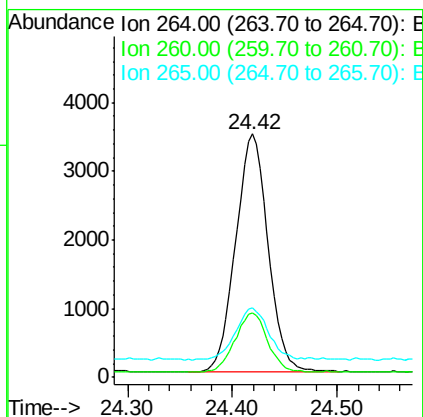
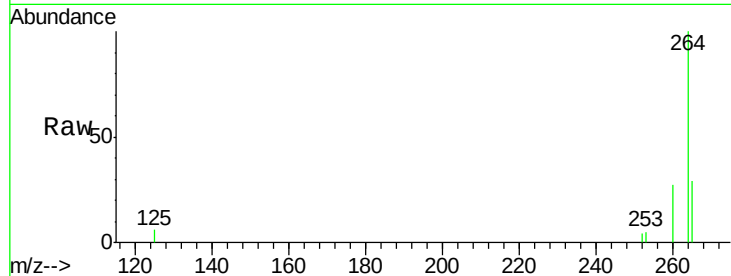




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BE095843.D
 Acq: 26 Mar 2018 16:47

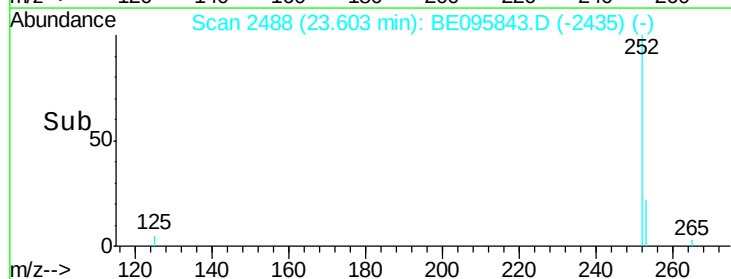
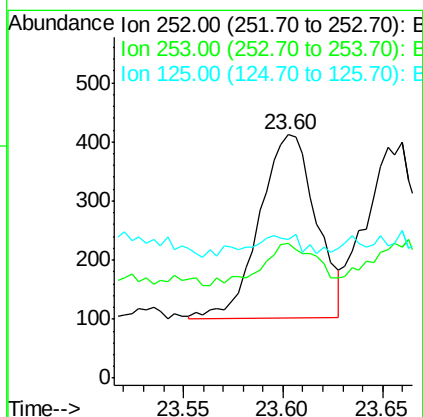
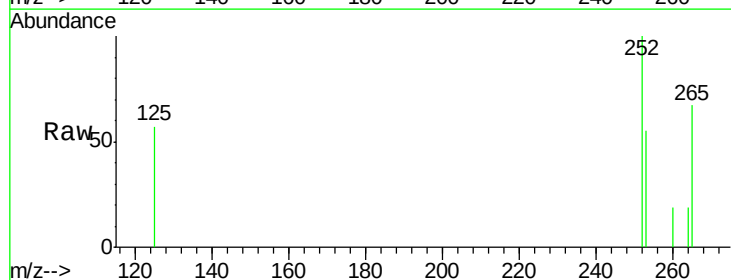
Instrument :
 BNA_E
 ClientSampleId :

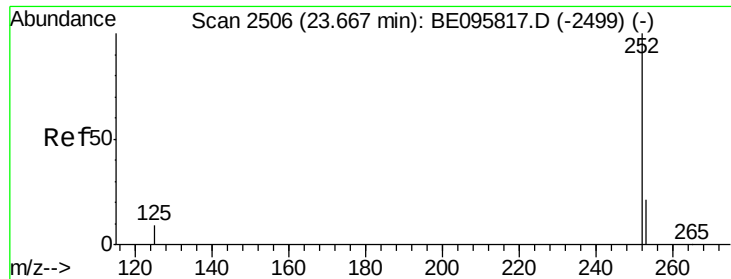
Tot Ion:264 Resp: 7494
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.5 30.7
 265 28.7 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.025 ng
 RT: 23.60 min Scan# 2488
 Delta R.T. -0.01 min
 Lab File: BE095843.D
 Acq: 26 Mar 2018 16:47

Tgt Ion:252 Resp: 611
 Ion Ratio Lower Upper
 252 100
 253 55.3 20.0 30.0#
 125 57.0 16.0 24.0#

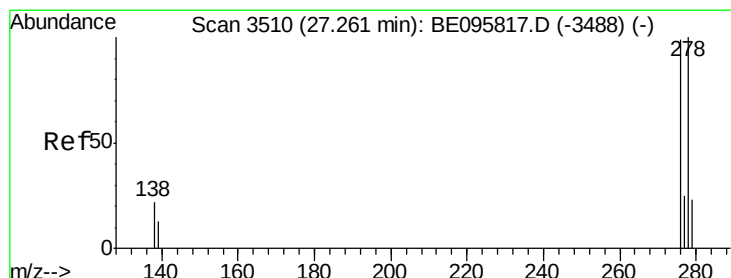
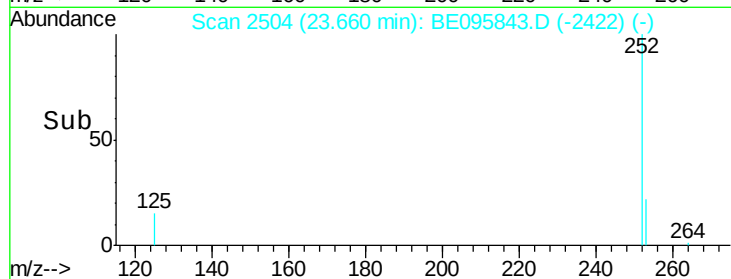
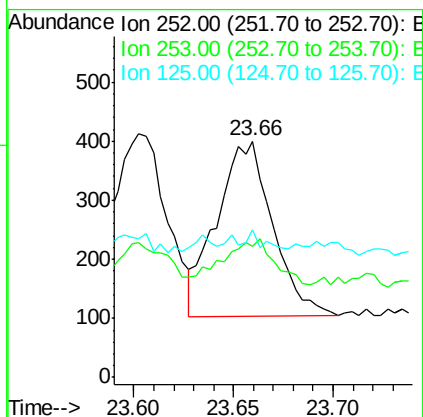
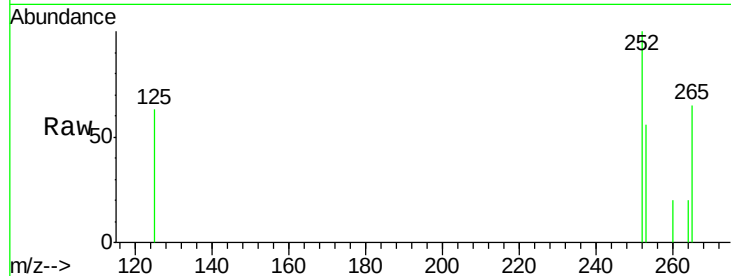




#36
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 23.66 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

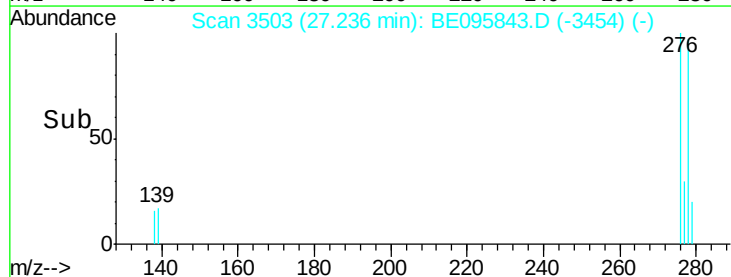
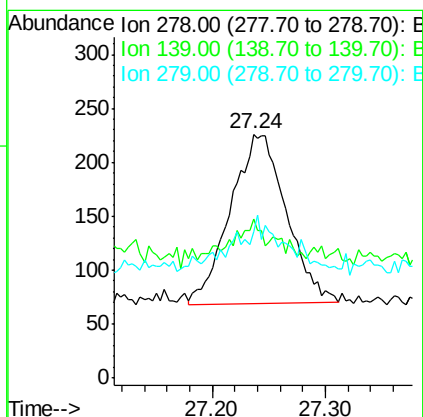
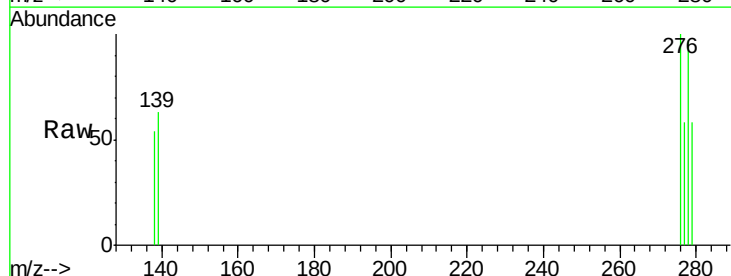
Instrument :
BNA_E
ClientSampleId :

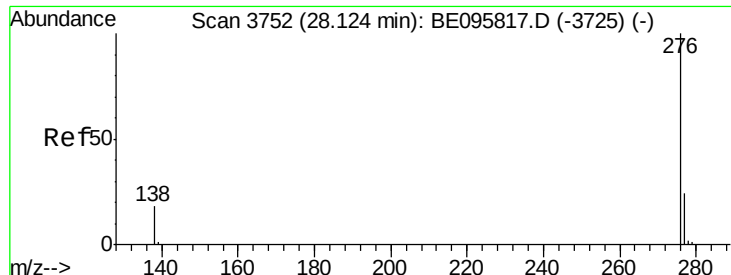
Tot Ion:252 Resp: 577
Ion Ratio Lower Upper
252 100
253 55.7 16.0 24.0#
125 62.7 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 27.24 min Scan# 3503
Delta R.T. -0.03 min
Lab File: BE095843.D
Acq: 26 Mar 2018 16:47

Tgt Ion:278 Resp: 542
Ion Ratio Lower Upper
278 100
139 65.0 16.0 24.0#
279 59.7 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.023 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.03 min

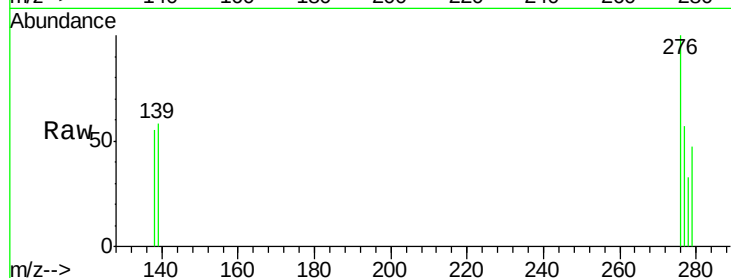
Lab File: BE095843.D

Acq: 26 Mar 2018 16:47

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 514

Ion Ratio Lower Upper

276 100

277 57.2 16.0 24.0#

138 54.9 20.0 30.0#

