

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095857.D
 Acq On : 27 Mar 2018 2:20
 Operator : SJ/JU
 Sample : J1994-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:45:09 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	1222	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4663	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2775	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6429	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	8594	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7023	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	644	0.16	ng	0.00
5) Phenol-d6	7.56	99	596	0.11	ng	0.00
8) Nitrobenzene-d5	9.59	82	2377	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2806	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	588	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	6121	0.52	ng	-0.01
25) Fluoranthene-d10	19.68	212	33606	0.35	ng	-0.01
29) Terphenyl-d14	20.24	244	7801	0.43	ng	0.00

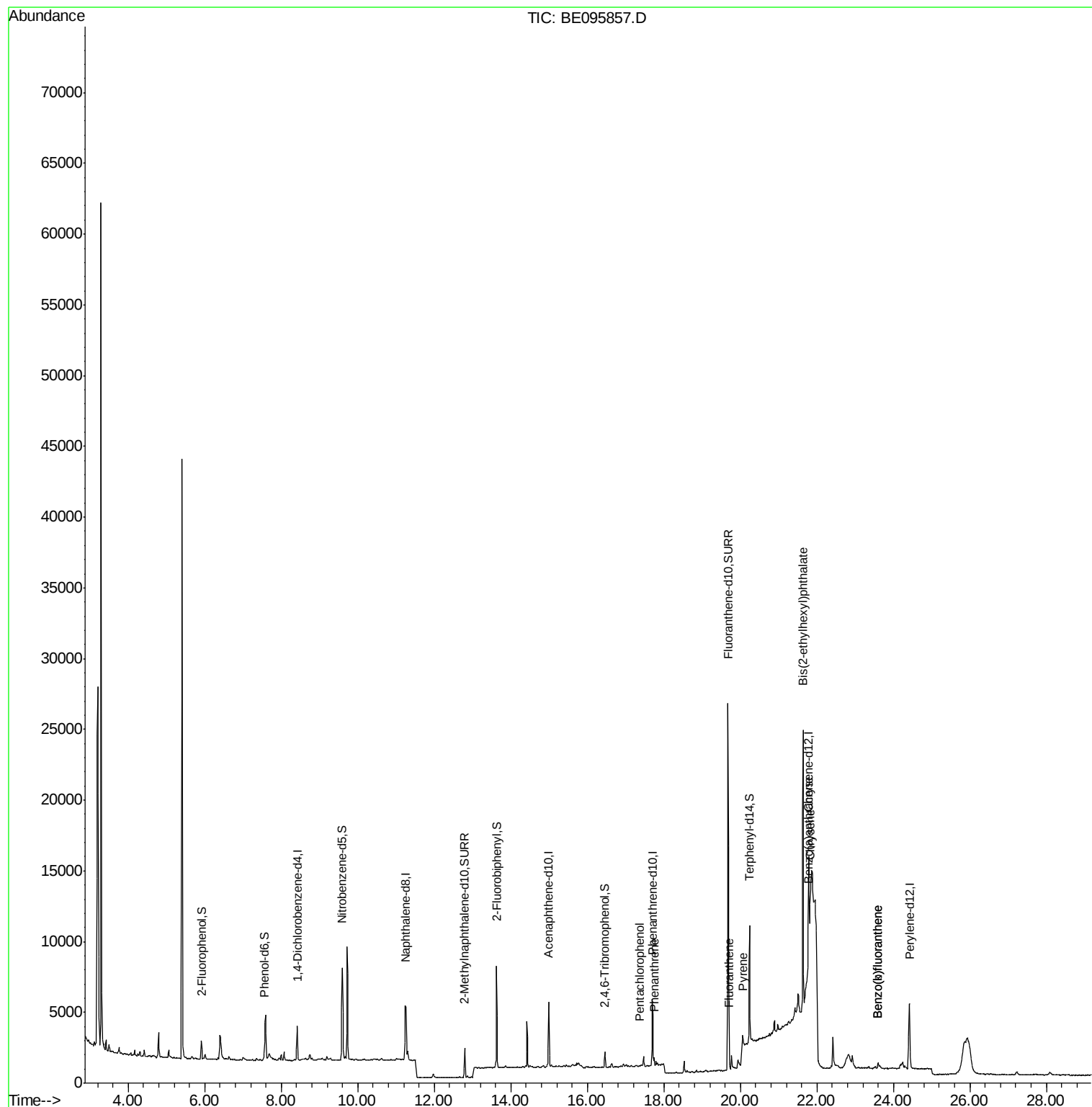
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.36	266	38	0.157	ng	94
23) Phenanthrene	17.74	178	637	0.033	ng	99
26) Fluoranthene	19.71	202	817	0.031	ng	94
28) Pyrene	20.06	202	862	0.025	ng	# 95
30) Benzo(a)anthracene	21.78	228	602	0.020	ng	# 12
31) Chrysene	21.83	228	813	0.030	ng	# 14
32) Bis(2-ethylhexyl)phthalate	21.64	149	24973	0.274	ng	100
35) Benzo(b)fluoranthene	23.60	252	630	0.027	ng	# 9
36) Benzo(k)fluoranthene	23.60	252	630	0.027	ng	# 1

(#) = 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: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampled :

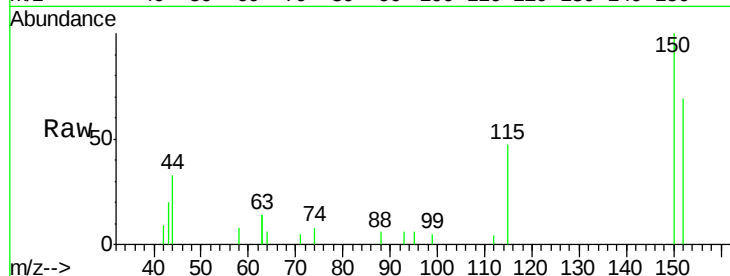
Tot Ion:152 Resp: 1222

Ion Ratio Lower Upper

152 100

150 145.5 117.2 175.8

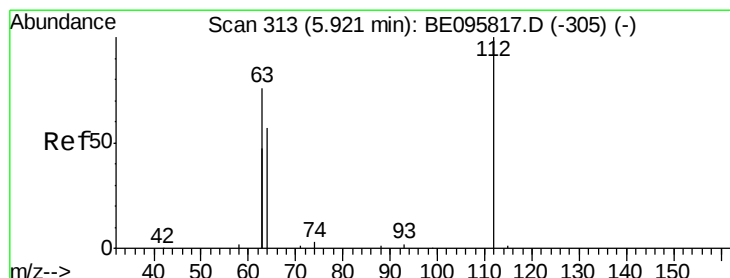
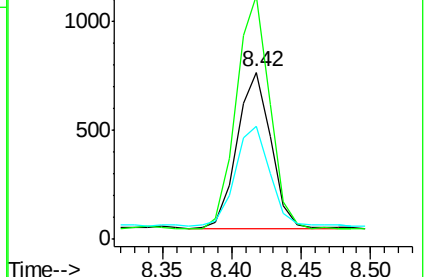
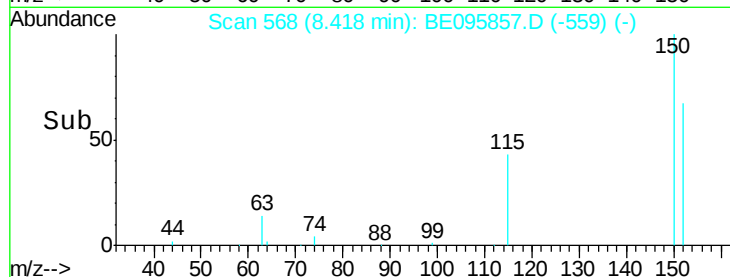
115 67.7 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.160 ng

RT: 5.91 min Scan# 312

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

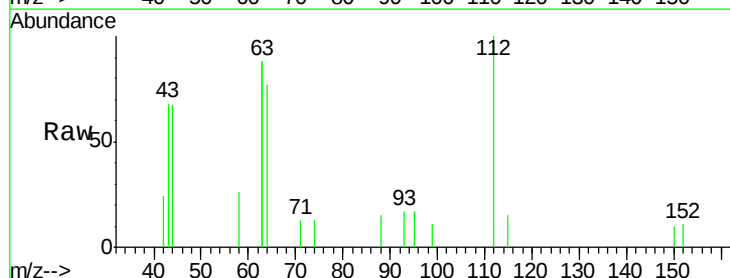
Tgt Ion:112 Resp: 644

Ion Ratio Lower Upper

112 100

64 76.4 60.1 90.1

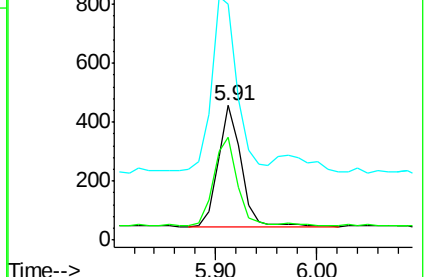
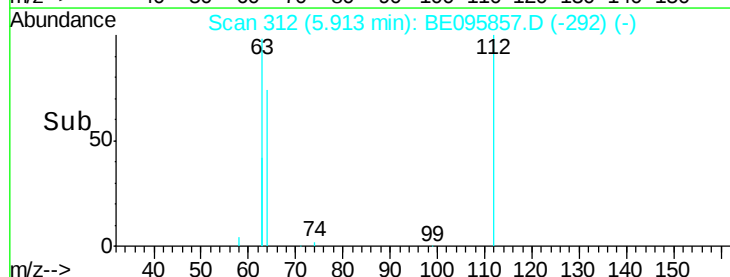
63 162.0 116.8 175.2

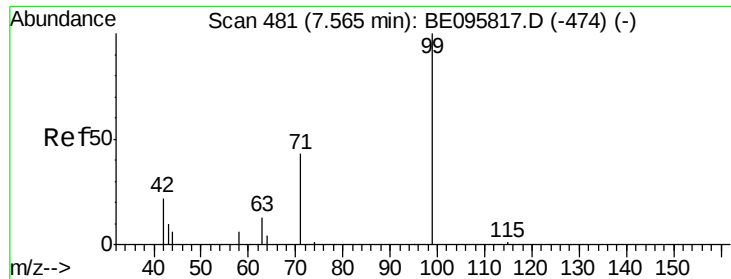


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.108 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampled :

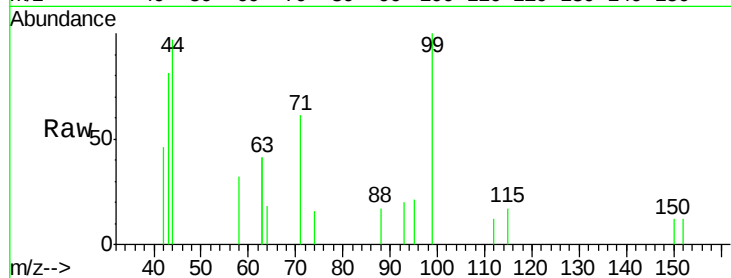
Tot Ion: 99 Resp: 596

Ion Ratio Lower Upper

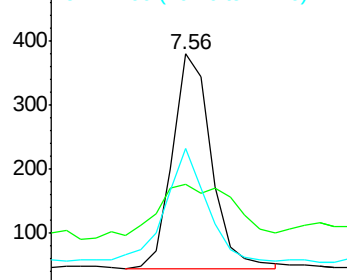
99 100

42 51.7 20.2 30.2#

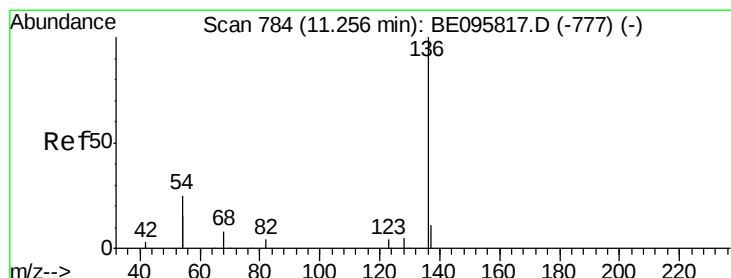
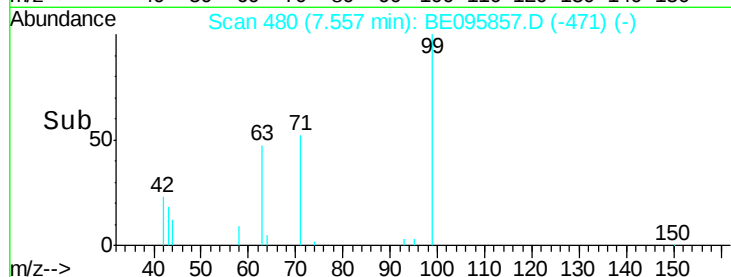
71 54.5 28.4 42.6#



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



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Tgt Ion: 136 Resp: 4663

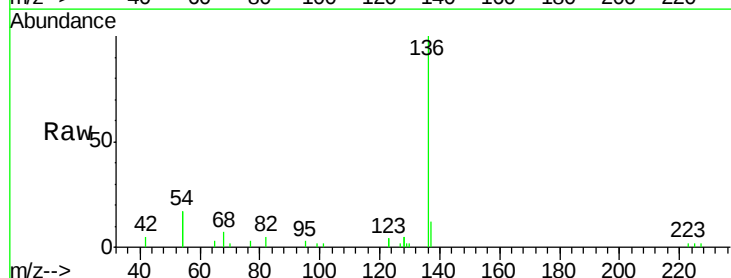
Ion Ratio Lower Upper

136 100

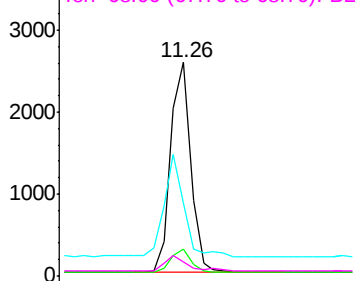
137 12.4 9.5 14.3

54 34.0 29.1 43.7

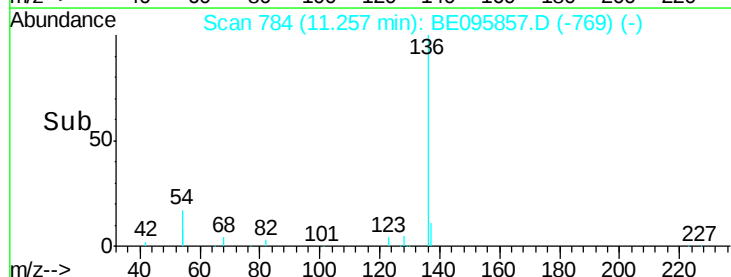
68 6.6 6.2 9.2

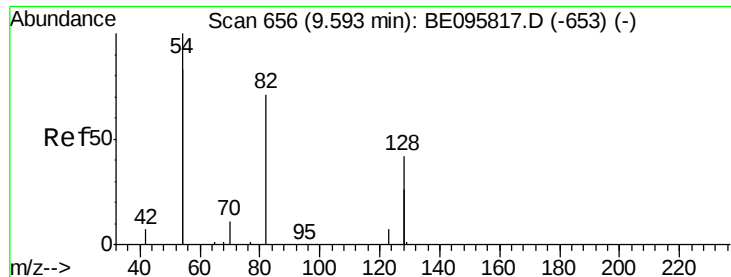


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.431 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

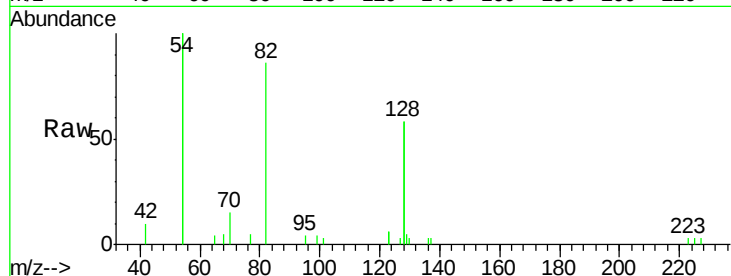
Tot Ion: 82 Resp: 2377

Ion Ratio Lower Upper

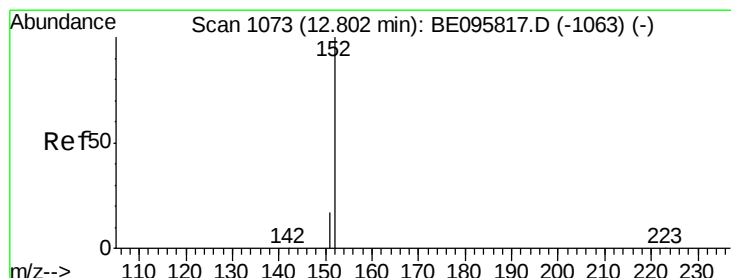
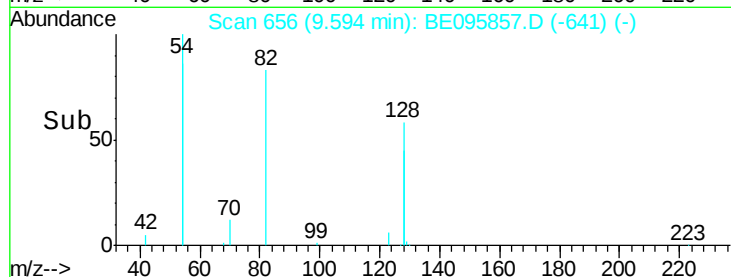
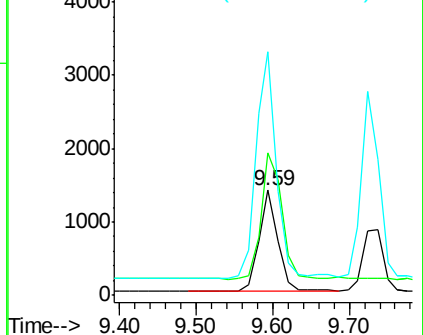
82 100

128 135.4 150.0 225.0#

54 231.7 154.2 231.4#



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



#11

2-Methylnaphthalene-d10

Concen: 0.361 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095857.D

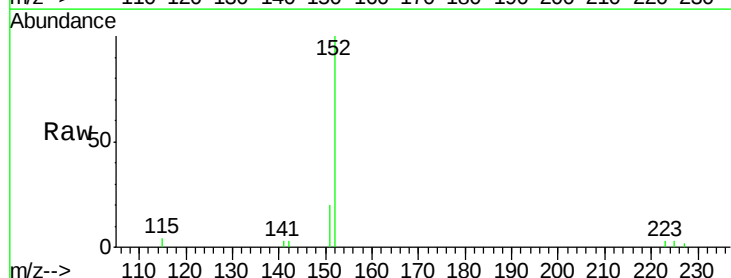
Acq: 27 Mar 2018 2:20

Tgt Ion: 152 Resp: 2806

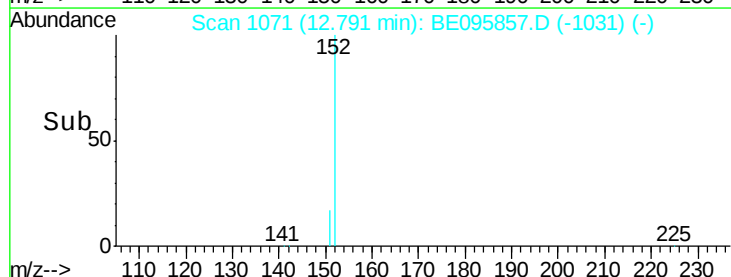
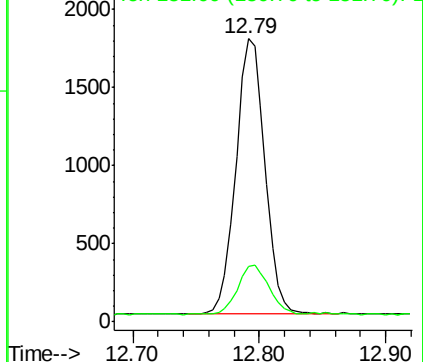
Ion Ratio Lower Upper

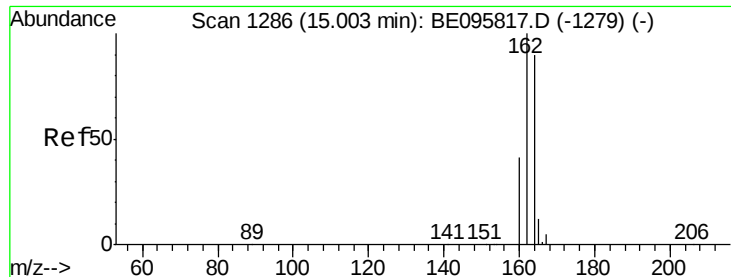
152 100

151 19.5 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: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

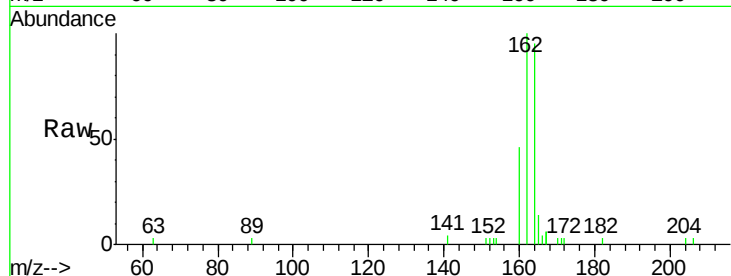
Tot Ion:164 Resp: 2775

Ion Ratio Lower Upper

164 100

162 104.9 83.1 124.7

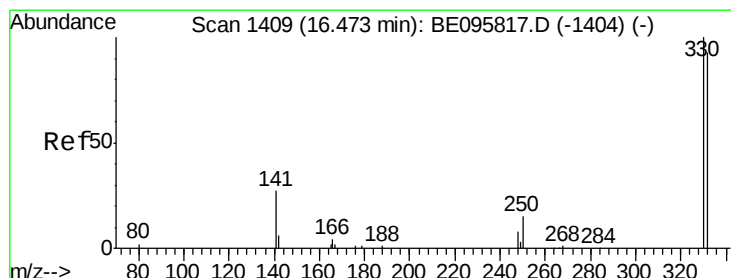
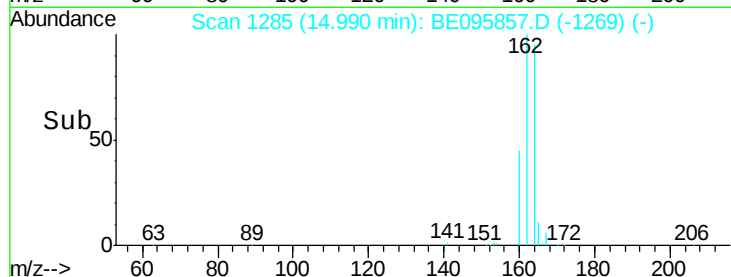
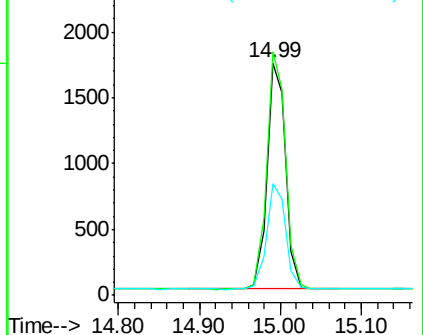
160 48.3 37.1 55.7



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: 0.367 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

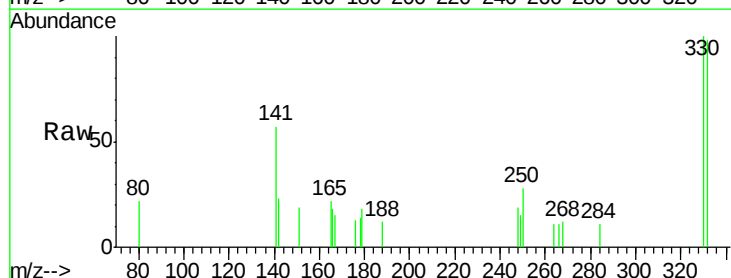
Tgt Ion:330 Resp: 588

Ion Ratio Lower Upper

330 100

332 98.0 152.7 229.1#

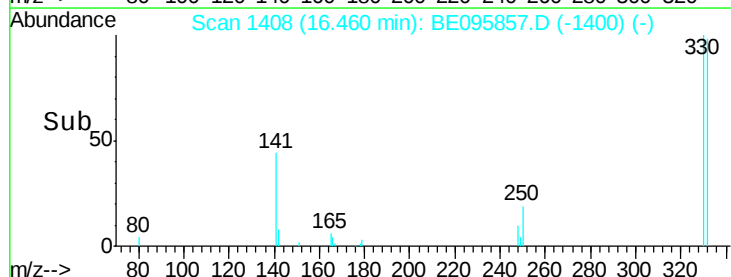
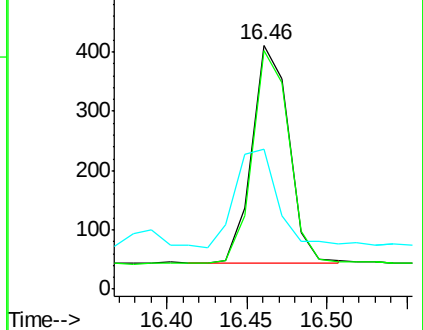
141 51.9 33.7 50.5#

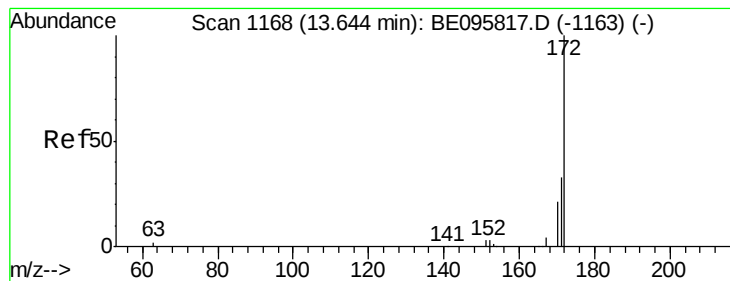


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

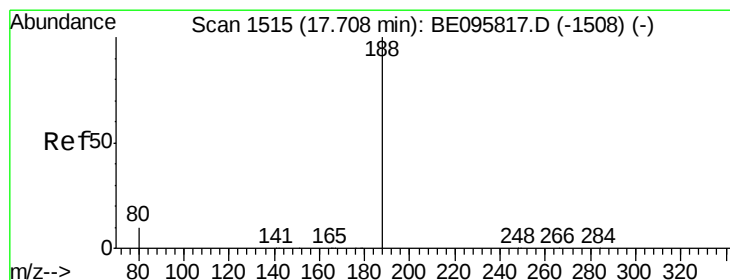
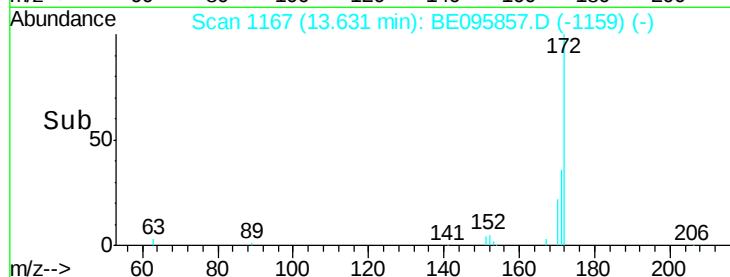
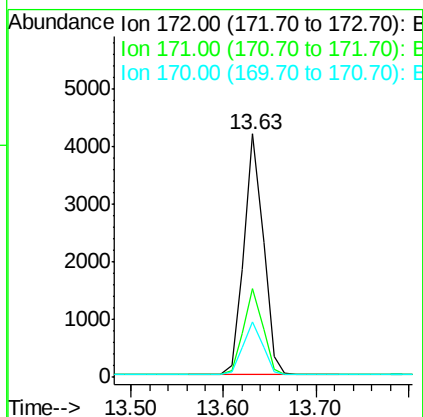
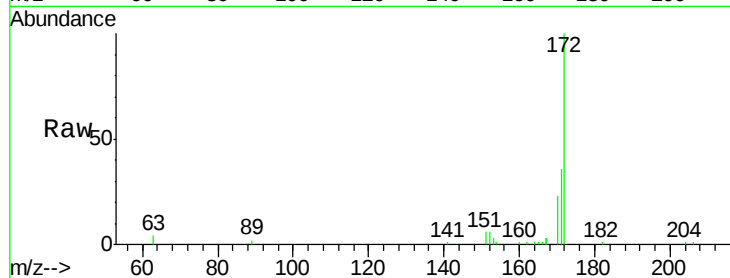




#15
2-Fluorobiphenyl
Concen: 0.523 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095857.D
Acq: 27 Mar 2018 2:20

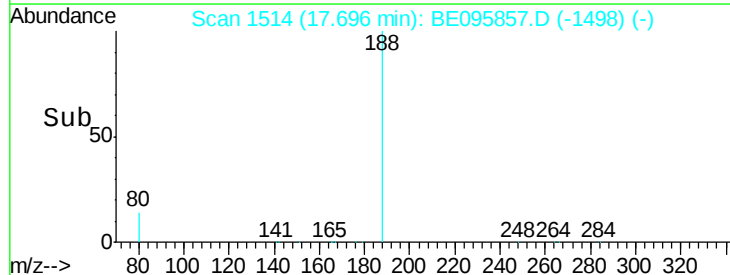
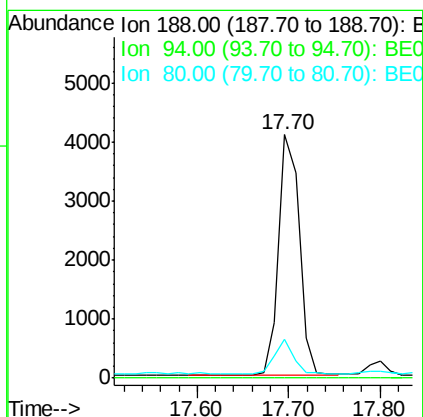
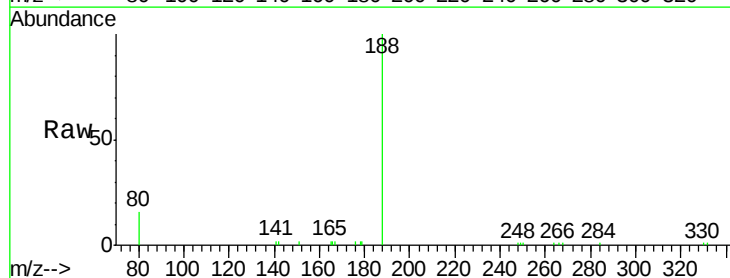
Instrument :
BNA_E
ClientSampleId :

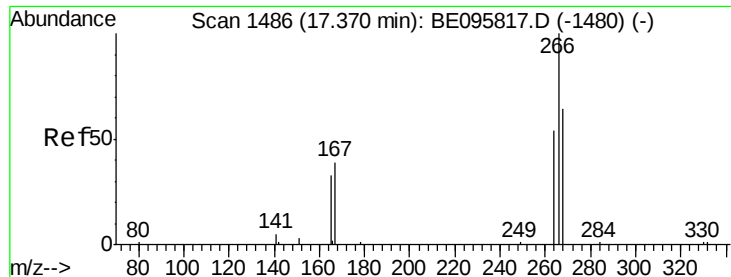
Tot Ion:172 Resp: 6121
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 22.5 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095857.D
Acq: 27 Mar 2018 2:20

Tgt Ion:188 Resp: 6429
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 16.0 3.6 5.4#

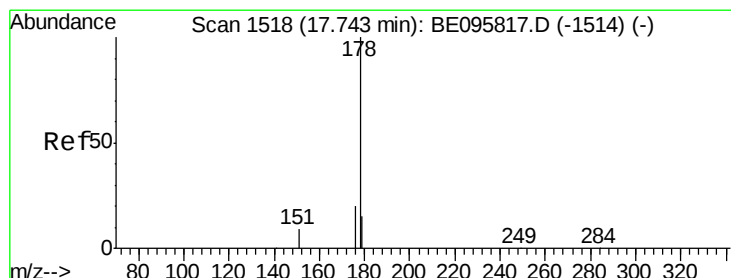
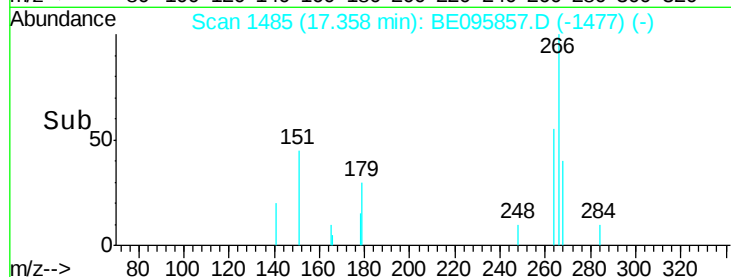
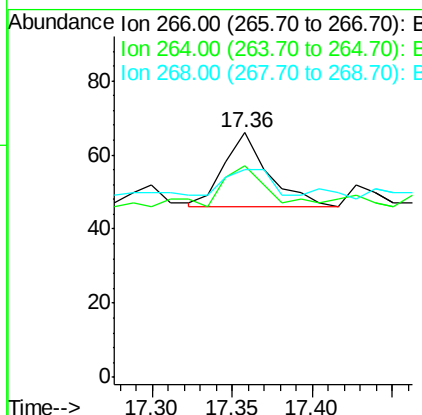
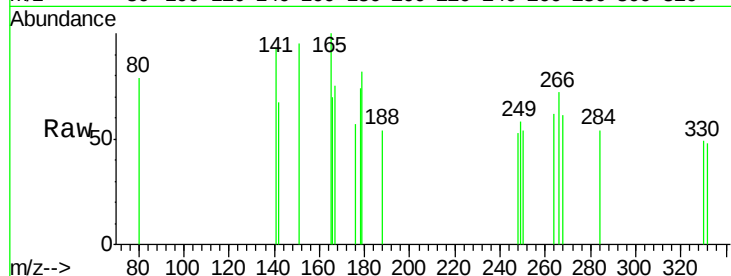




#22
 Pentachlorophenol
 Concen: 0.157 ng
 RT: 17.36 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: BE095857.D
 Acq: 27 Mar 2018 2:20

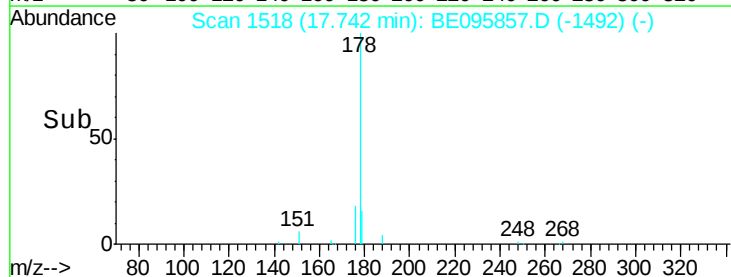
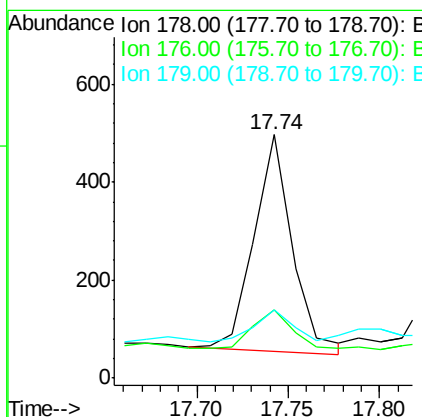
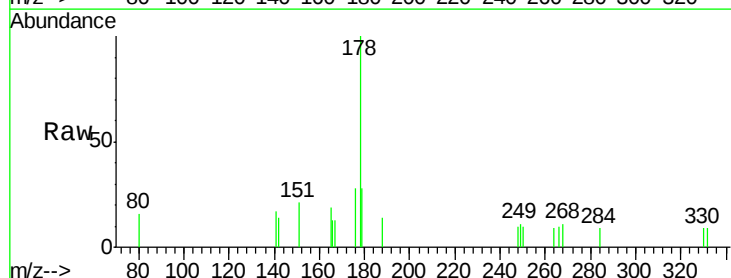
Instrument :
 BNA_E
 ClientSampled :

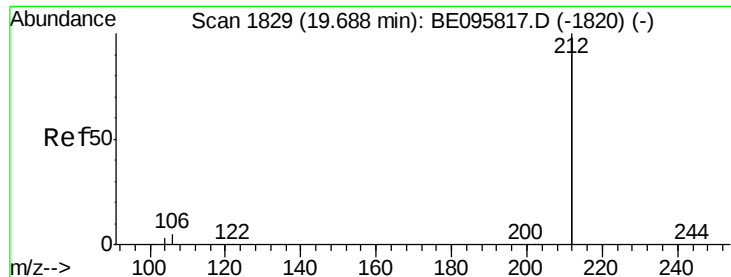
Tot Ion:266 Resp: 38
 Ion Ratio Lower Upper
 266 100
 264 86.4 72.5 108.7
 268 84.8 73.8 110.6



#23
 Phenanthrene
 Concen: 0.033 ng
 RT: 17.74 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BE095857.D
 Acq: 27 Mar 2018 2:20

Tgt Ion:178 Resp: 637
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 14.4 11.8 17.6





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

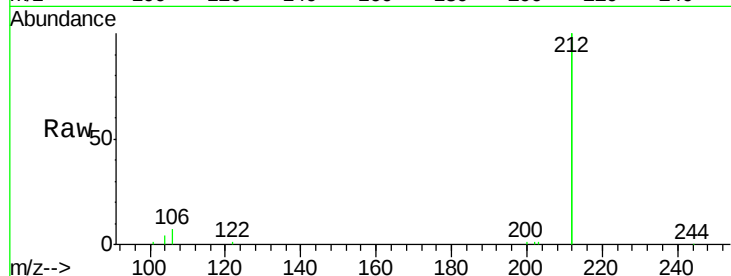
Tot Ion:212 Resp: 33606

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

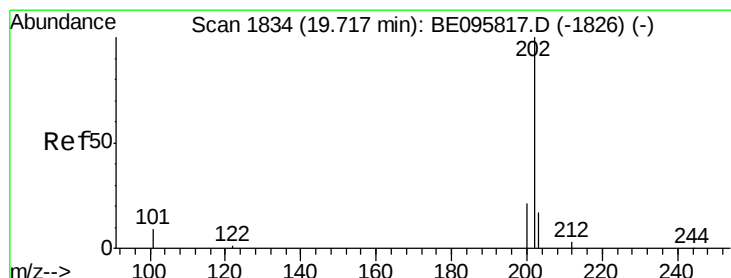
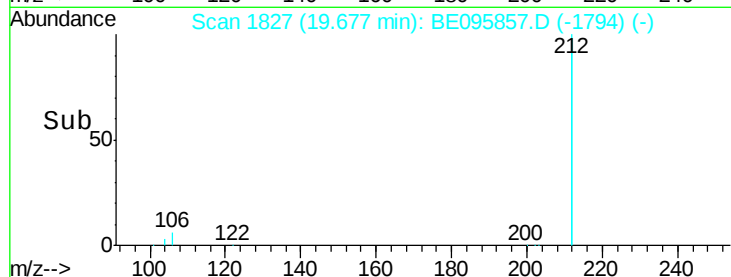
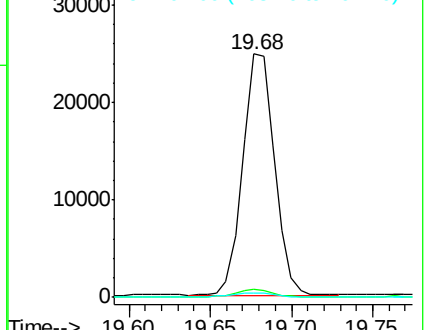
104 1.8 1.6 2.4



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: 0.031 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

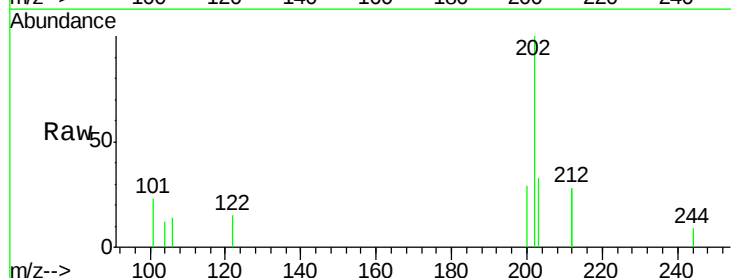
Tgt Ion:202 Resp: 817

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

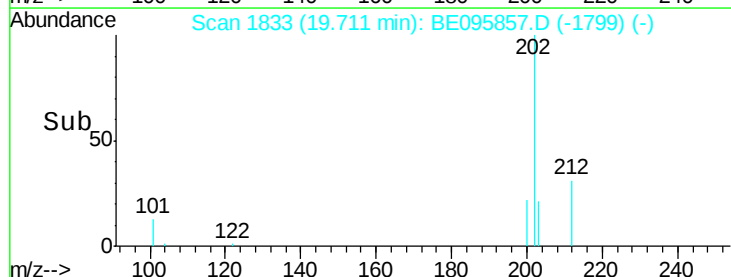
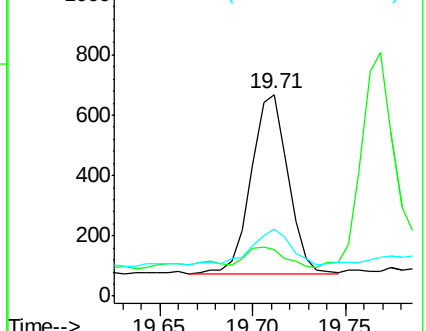
203 20.4 13.7 20.5

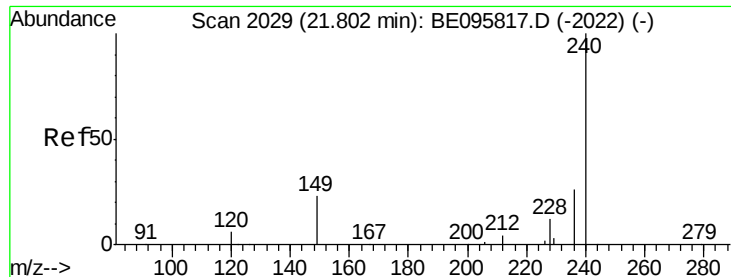


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

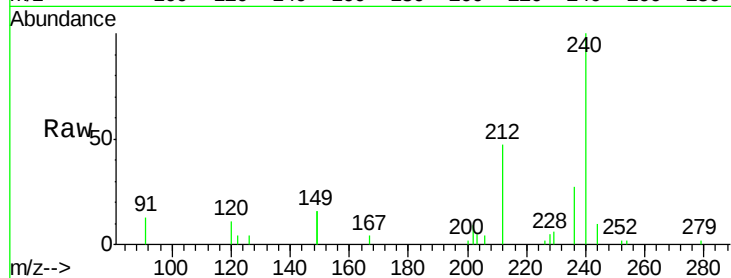
Tot Ion:240 Resp: 8594

Ion Ratio Lower Upper

240 100

120 11.2 5.5 8.3#

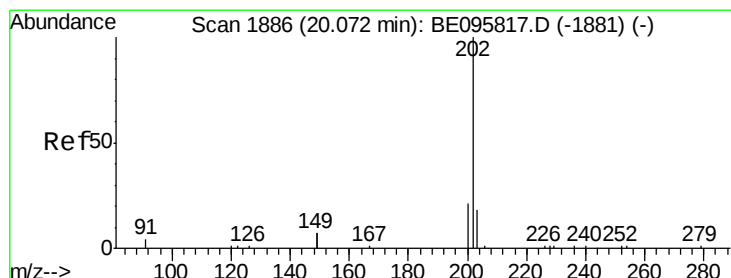
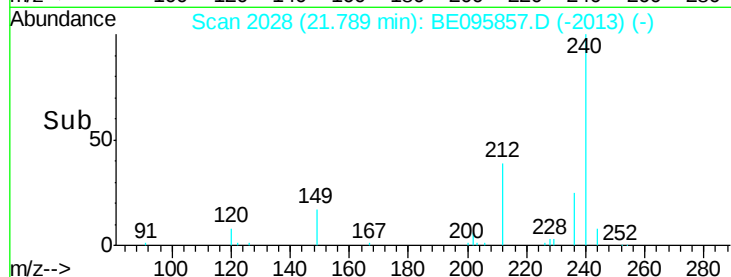
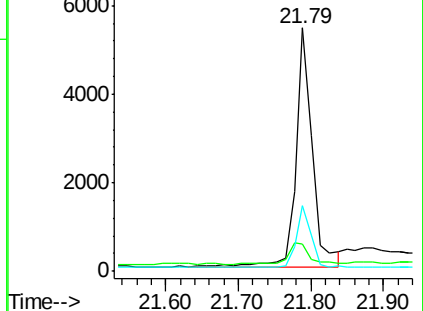
236 26.8 20.7 31.1



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: 0.025 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

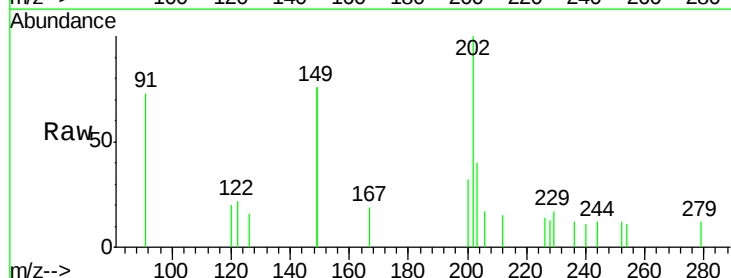
Tgt Ion:202 Resp: 862

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

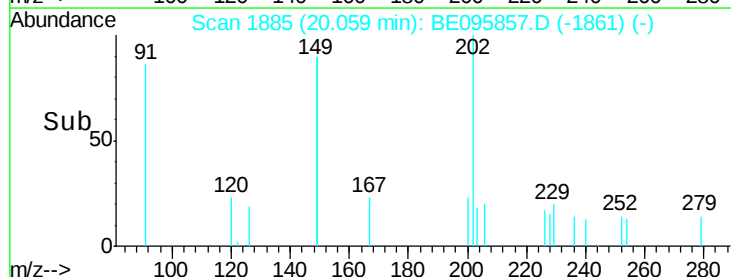
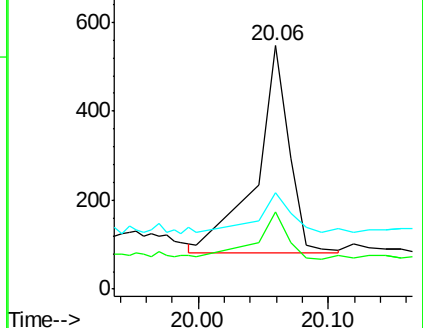
203 21.5 13.8 20.8#

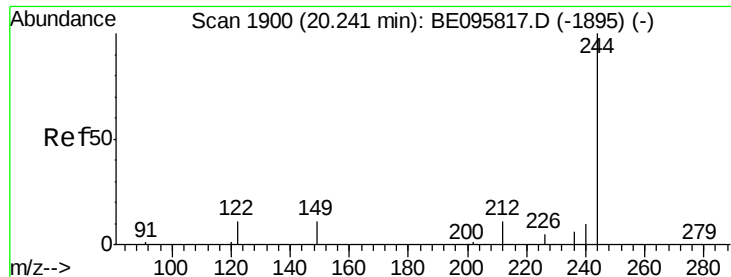


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.427 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

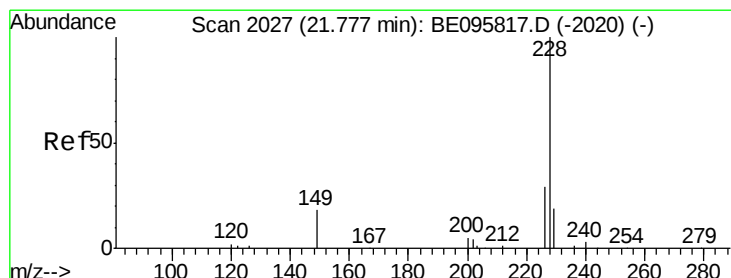
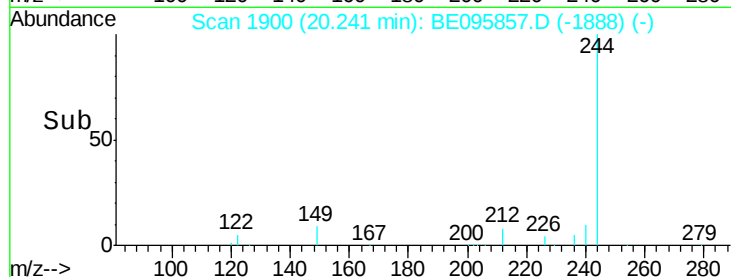
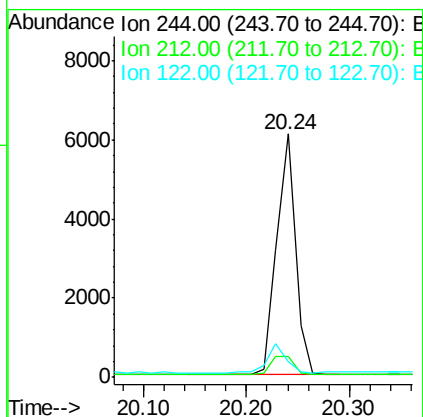
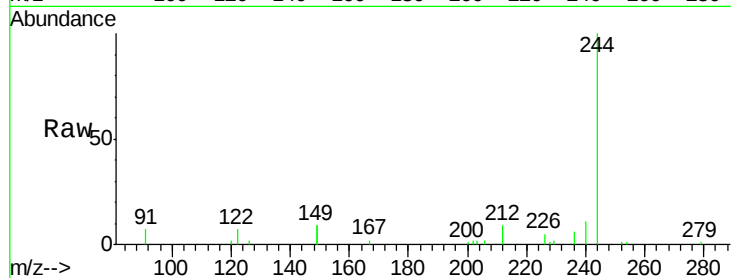
Tot Ion:244 Resp: 7801

Ion Ratio Lower Upper

244 100

212 8.6 25.4 38.0#

122 6.7 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.020 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

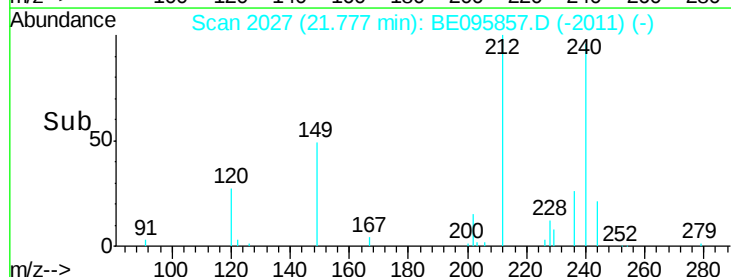
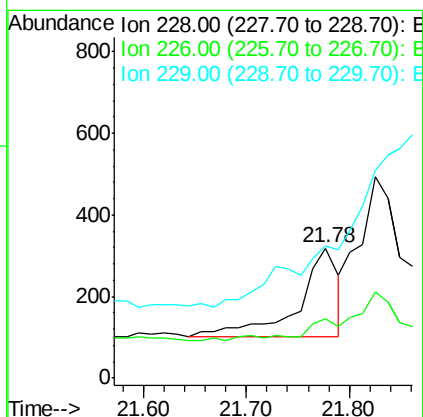
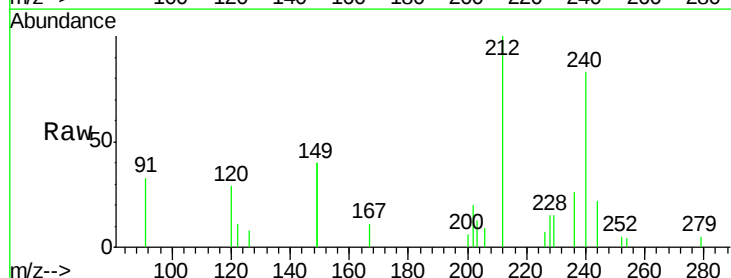
Tgt Ion:228 Resp: 602

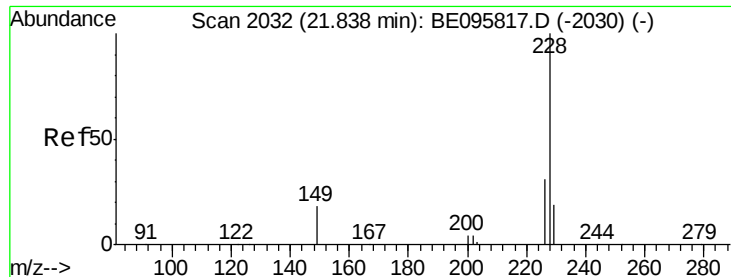
Ion Ratio Lower Upper

228 100

226 45.3 24.0 36.0#

229 101.9 16.0 24.0#





#31

Chrysene

Concen: 0.030 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampled :

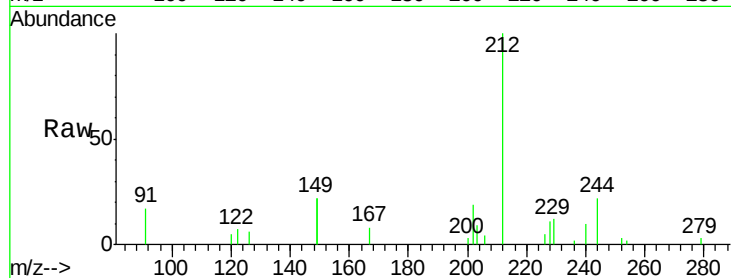
Tot Ion:228 Resp: 813

Ion Ratio Lower Upper

228 100

226 42.8 24.0 36.0#

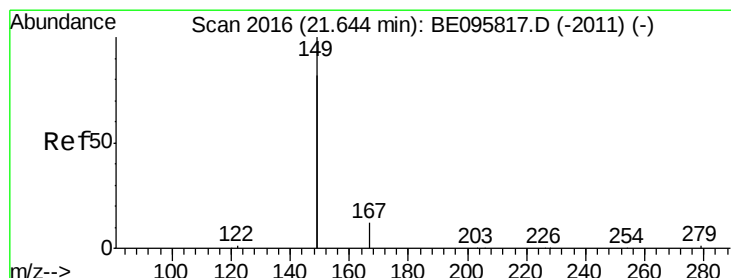
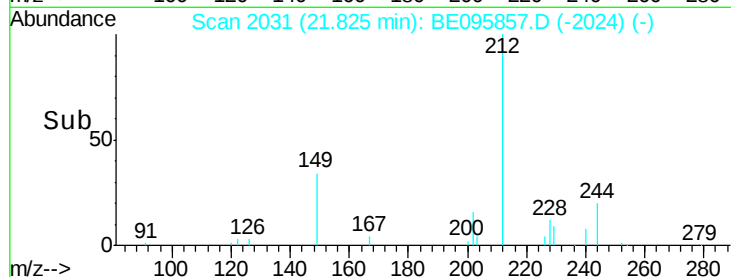
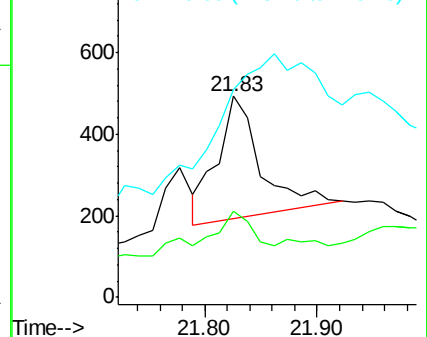
229 103.0 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.274 ng

RT: 21.64 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

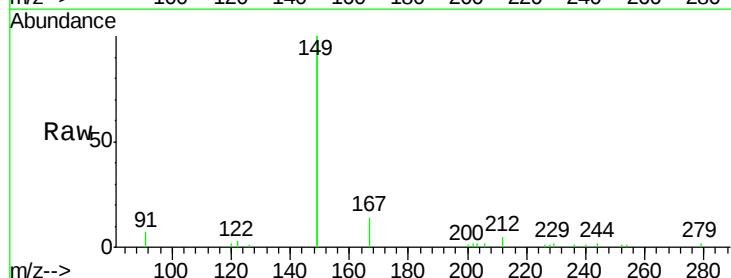
Tgt Ion:149 Resp: 24973

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

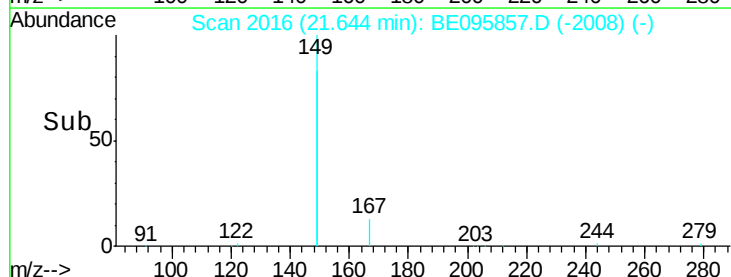
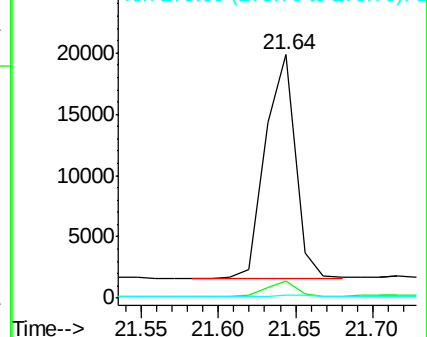
279 0.8 0.7 1.1

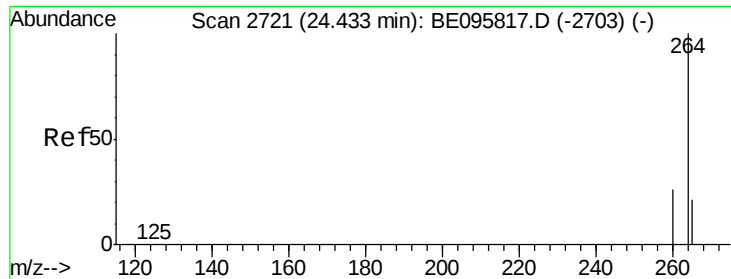


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

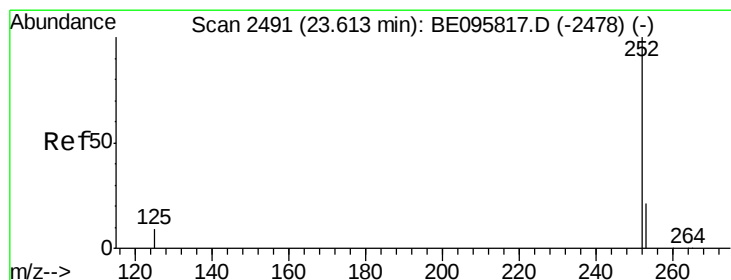
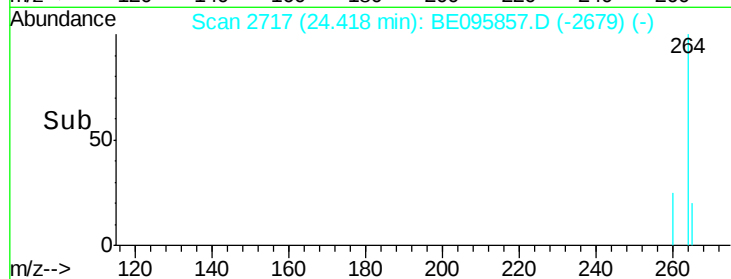
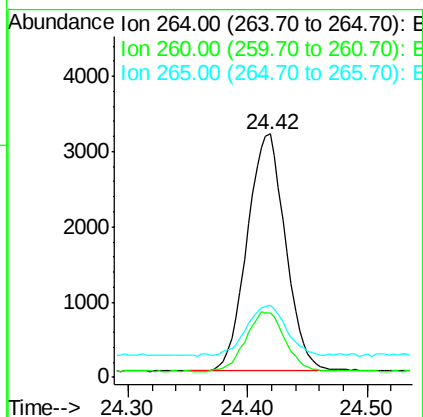
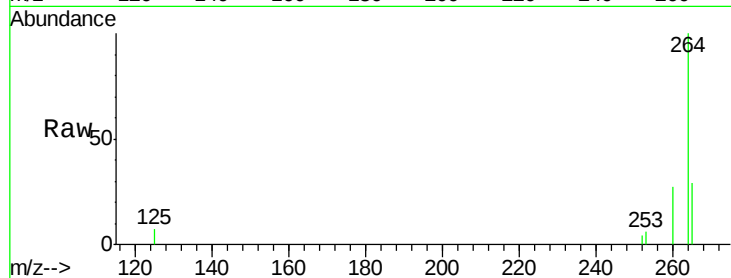




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BE095857.D
Acq: 27 Mar 2018 2:20

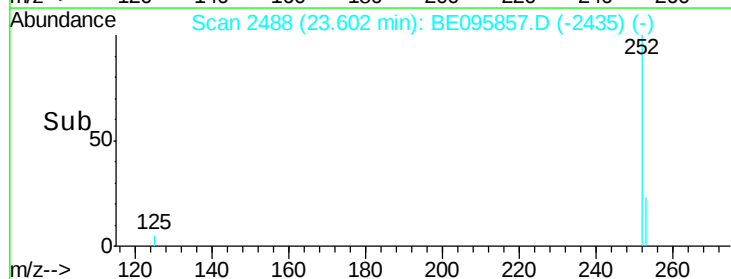
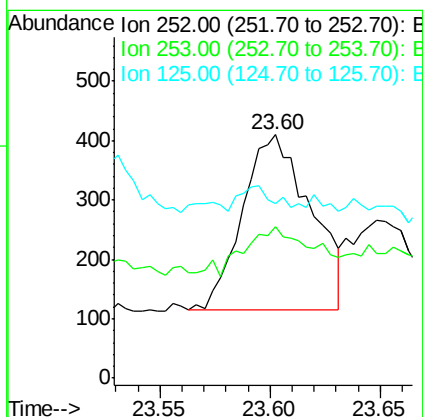
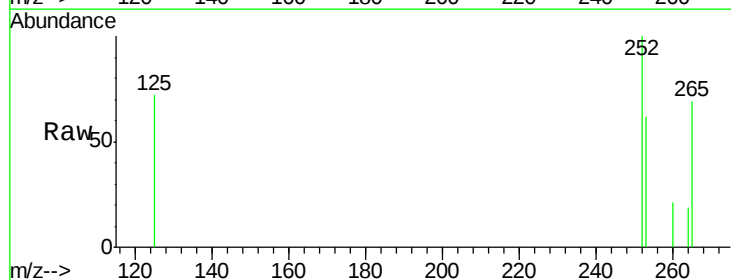
Instrument :
BNA_E
ClientSampleId :

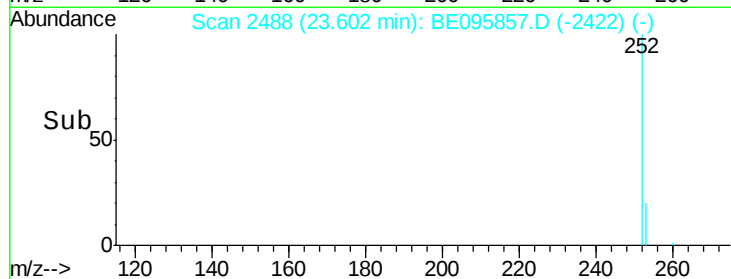
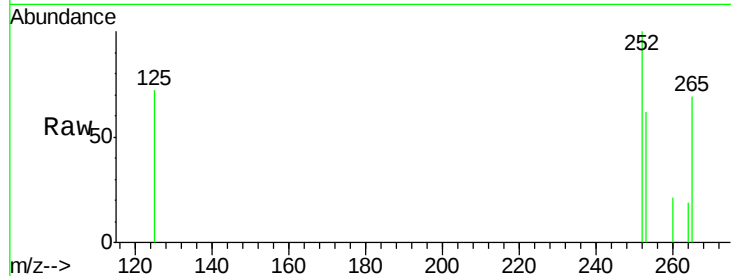
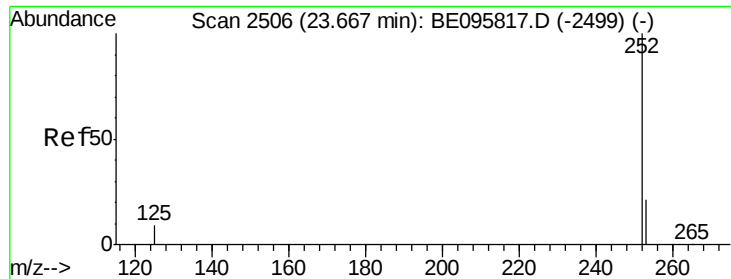
Tot Ion:264 Resp: 7023
Ion Ratio Lower Upper
264 100
260 26.7 20.5 30.7
265 29.4 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 23.60 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BE095857.D
Acq: 27 Mar 2018 2:20

Tgt Ion:252 Resp: 630
Ion Ratio Lower Upper
252 100
253 62.4 20.0 30.0#
125 71.7 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.06 min

Lab File: BE095857.D

Acq: 27 Mar 2018 2:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 630

Ion Ratio Lower Upper

252 100

253 62.4 16.0 24.0#

125 71.7 8.0 12.0#

