

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095828.D
 Acq On : 23 Mar 2018 18:13
 Operator : SJ/JU
 Sample : PB107346BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 23 23:23:28 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	1205	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4339	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2323	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5465	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6438	0.40	ng	-0.01
34) Perylene-d12	24.43	264	6606	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1434	0.36	ng	0.00
5) Phenol-d6	7.57	99	1876	0.34	ng	0.00
8) Nitrobenzene-d5	9.59	82	2119	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2264	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	385	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	4267	0.44	ng	-0.01
25) Fluoranthene-d10	19.68	212	25387	0.31	ng	0.00
29) Terphenyl-d14	20.24	244	6207	0.45	ng	0.00

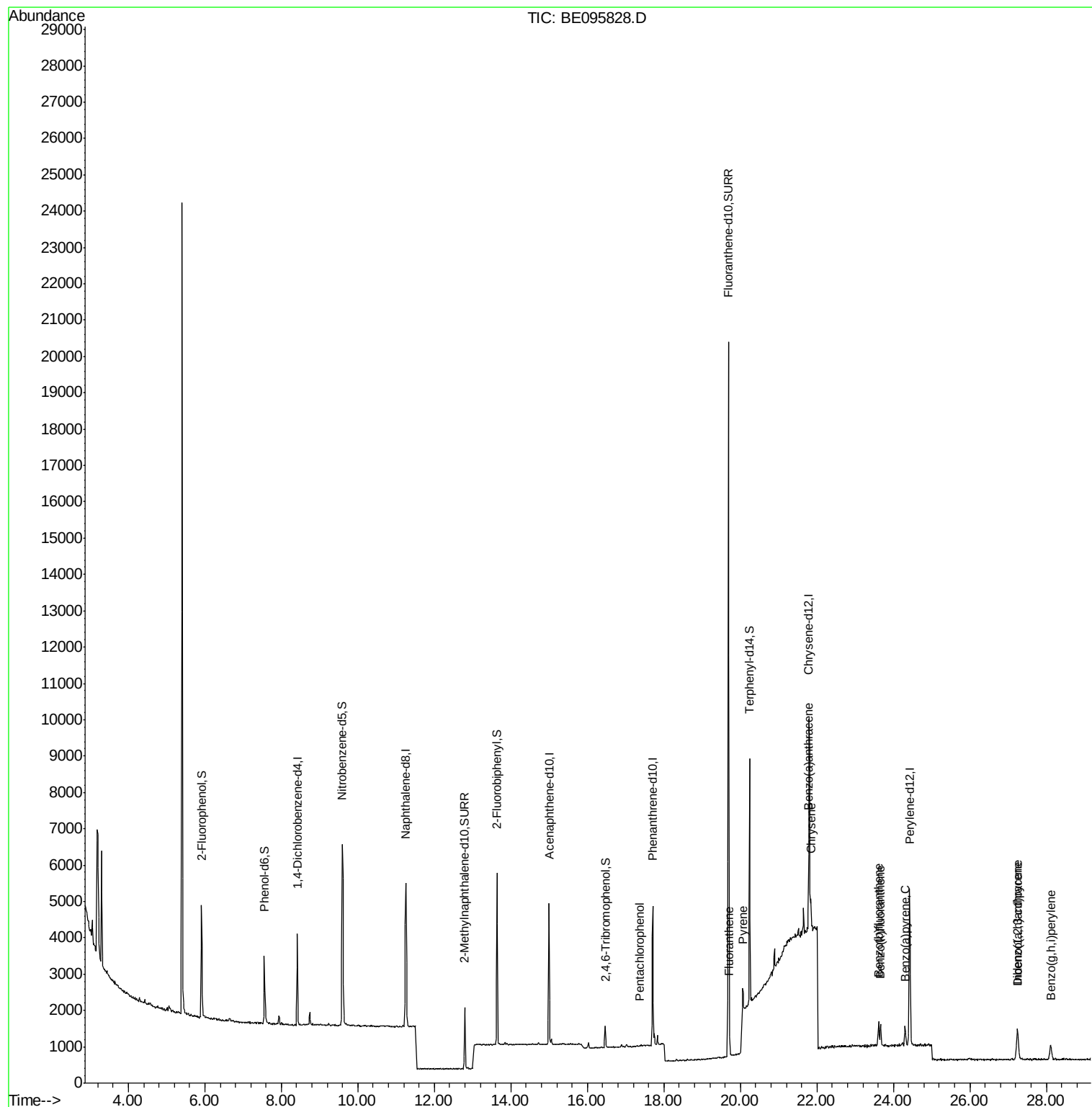
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.37	266	9	0.138	ng	93
26) Fluoranthene	19.72	202	590	0.026	ng	# 95
28) Pyrene	20.06	202	821	0.031	ng	# 90
30) Benzo(a)anthracene	21.78	228	912	0.041	ng	# 81
31) Chrysene	21.84	228	827	0.041	ng	# 74
33) Indeno(1,2,3-cd)pyrene	27.24	276	1205	0.055	ng	92
35) Benzo(b)fluoranthene	23.61	252	969	0.044	ng	# 47
36) Benzo(k)fluoranthene	23.66	252	960	0.044	ng	# 30
37) Benzo(a)pyrene	24.30	252	882	0.043	ng	# 24
38) Dibenzo(a,h)anthracene	27.25	278	948	0.049	ng	# 44
39) Benzo(a,h,i)perylene	28.10	276	1067	0.055	ng	# 55

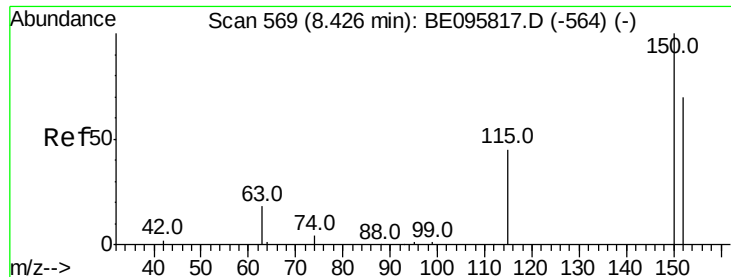
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE032318\
Data File : BE095828.D
Acq On : 23 Mar 2018 18:13
Operator : SJ/JU
Sample : PB107346BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Mar 23 23:23:28 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.42 min Scan# 568

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

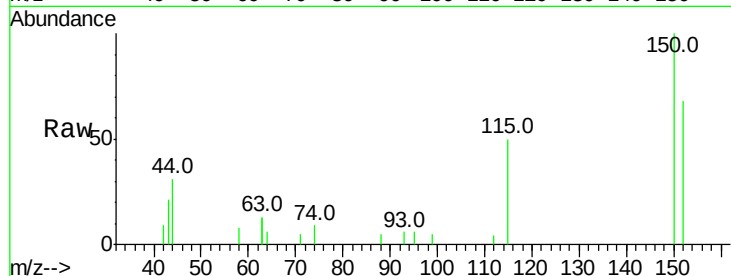
Tot Ion:152 Resp: 1205

Ion Ratio Lower Upper

152 100

150 147.5 117.2 175.8

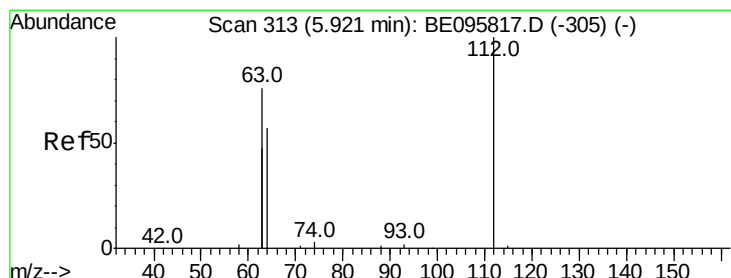
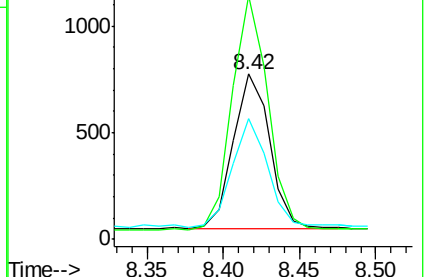
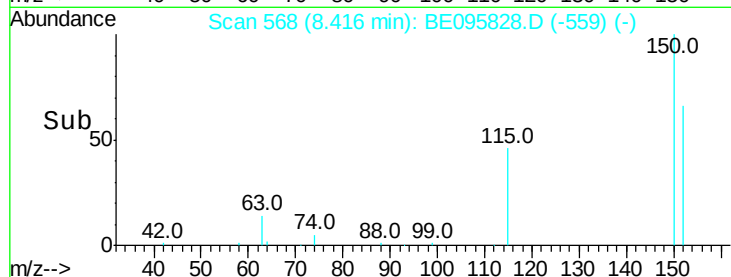
115 73.1 57.0 85.6



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: 0.361 ng

RT: 5.91 min Scan# 312

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

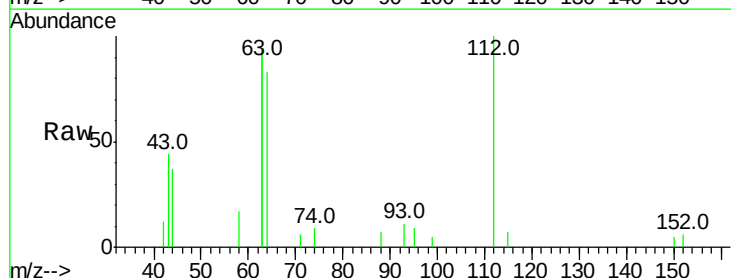
Tgt Ion:112 Resp: 1434

Ion Ratio Lower Upper

112 100

64 76.5 60.1 90.1

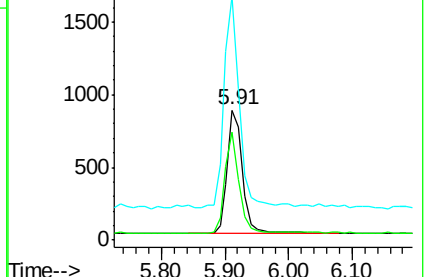
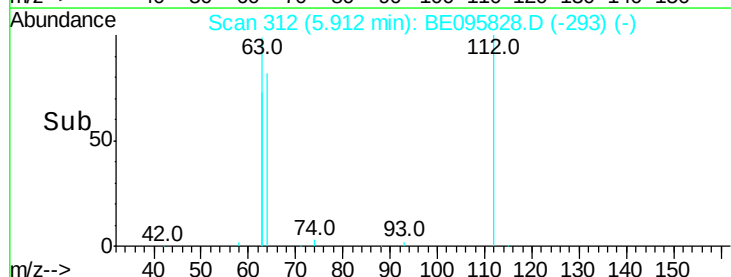
63 167.2 116.8 175.2

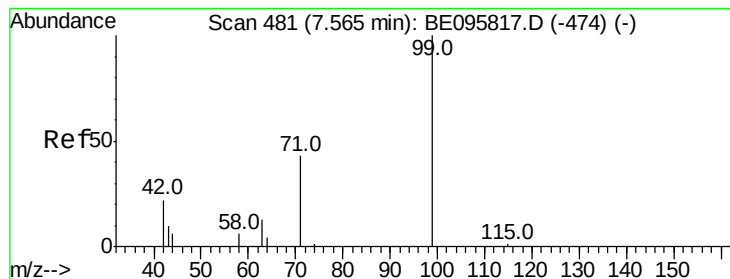


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.343 ng

RT: 7.57 min Scan# 481

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampled :

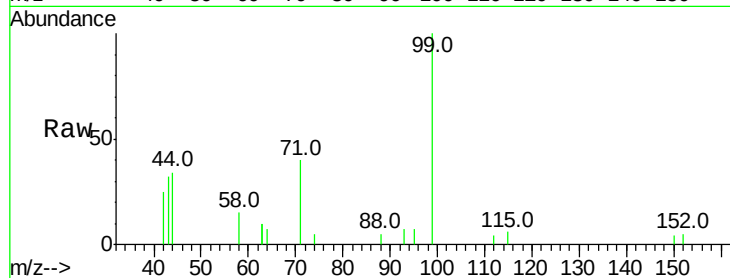
Tot Ion: 99 Resp: 1876

Ion Ratio Lower Upper

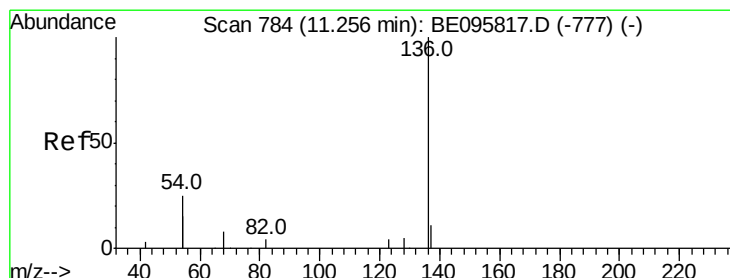
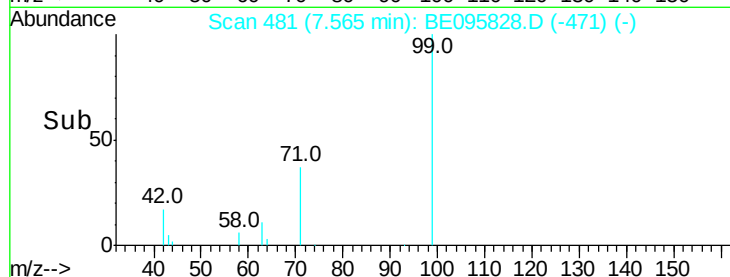
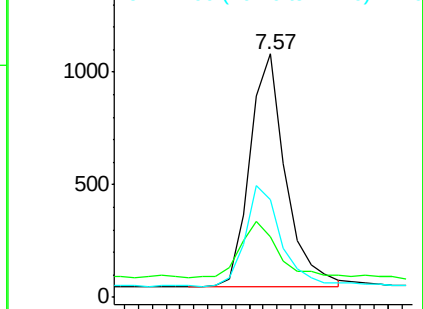
99 100

42 24.4 20.2 30.2

71 43.3 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: BE095828.D

Acq: 23 Mar 2018 18:13

Tgt Ion:136 Resp: 4339

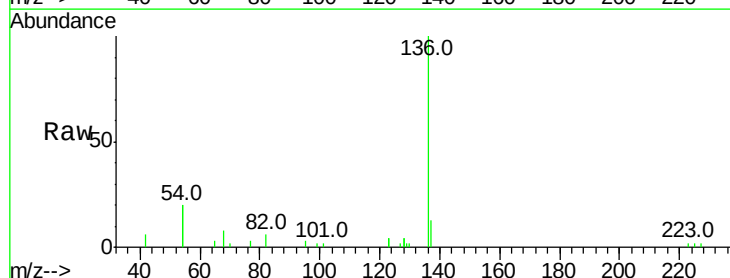
Ion Ratio Lower Upper

136 100

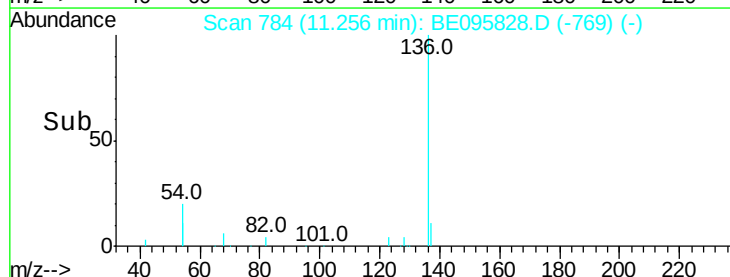
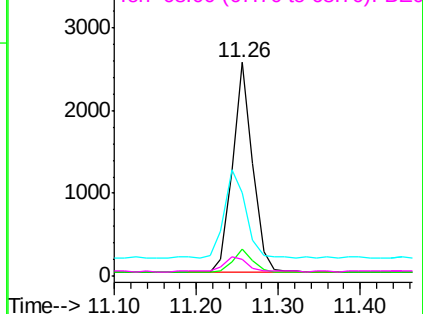
137 12.7 9.5 14.3

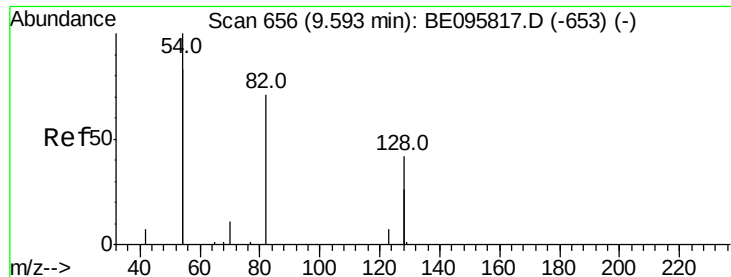
54 39.1 29.1 43.7

68 7.7 6.2 9.2



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





#8

Nitrobenzene-d5

Concen: 0.413 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

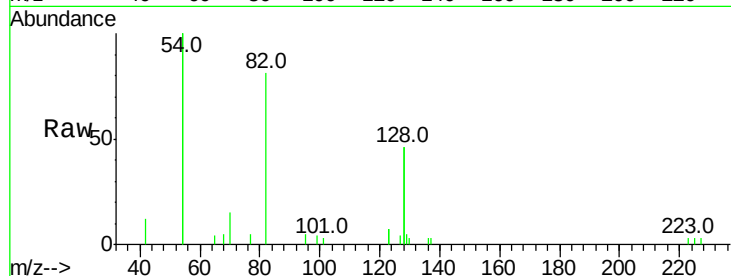
Tot Ion: 82 Resp: 2119

Ion Ratio Lower Upper

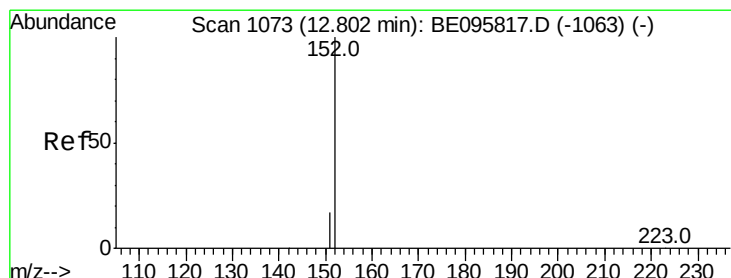
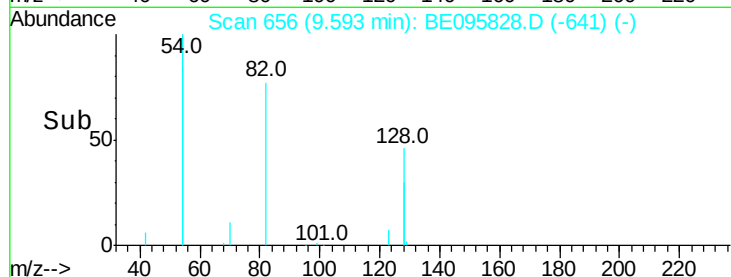
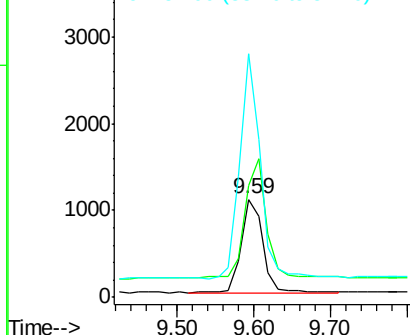
82 100

128 113.6 150.0 225.0#

54 248.2 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.313 ng

RT: 12.80 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE095828.D

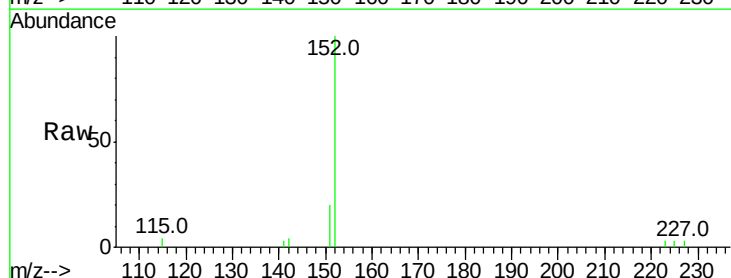
Acq: 23 Mar 2018 18:13

Tgt Ion: 152 Resp: 2264

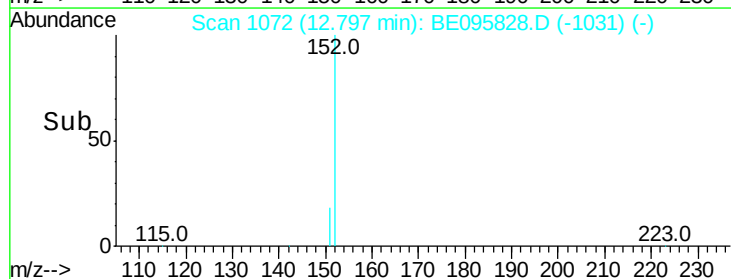
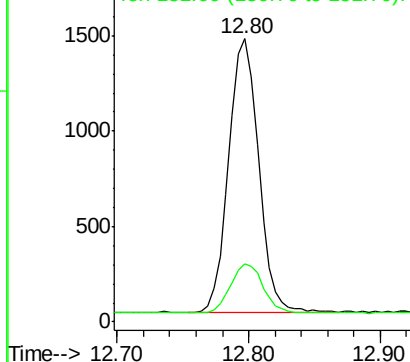
Ion Ratio Lower Upper

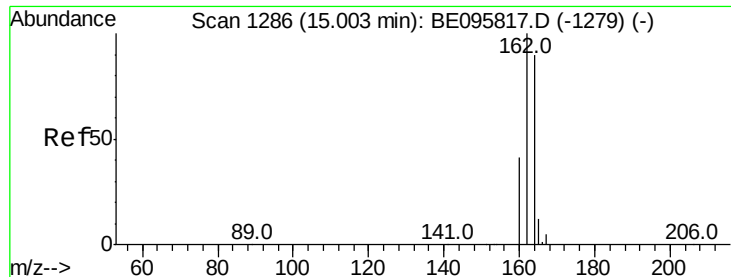
152 100

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: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

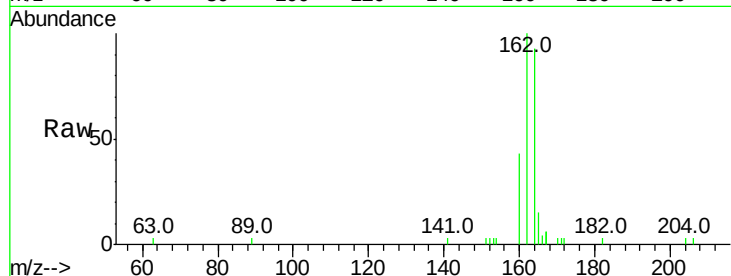
Tot Ion:164 Resp: 2323

Ion Ratio Lower Upper

164 100

162 107.3 83.1 124.7

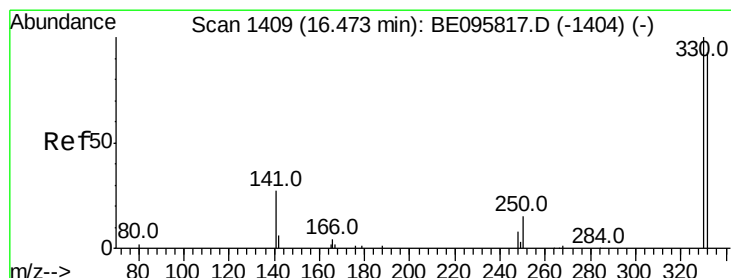
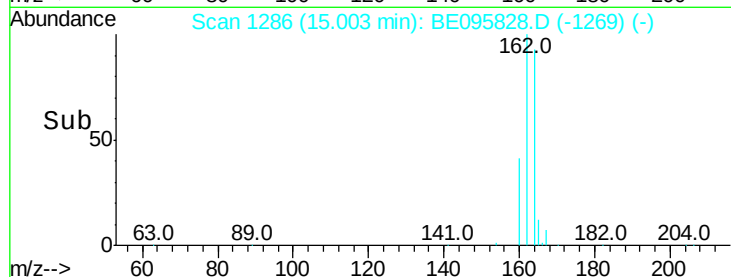
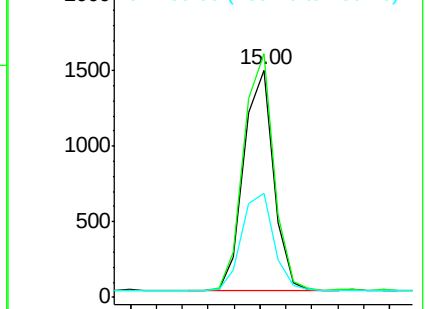
160 46.1 37.1 55.7



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: 0.287 ng

RT: 16.47 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

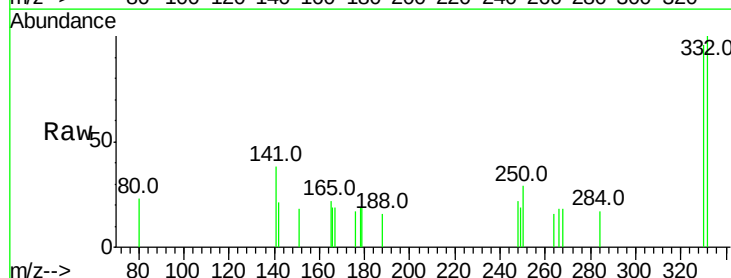
Tgt Ion:330 Resp: 385

Ion Ratio Lower Upper

330 100

332 96.6 152.7 229.1#

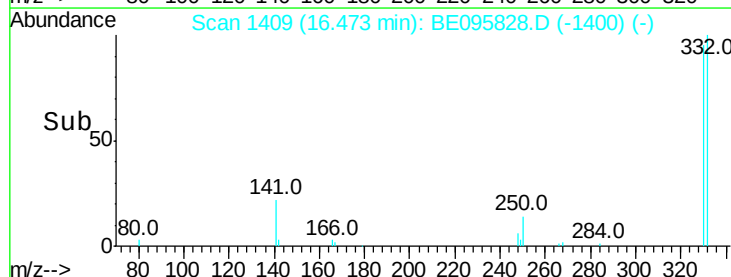
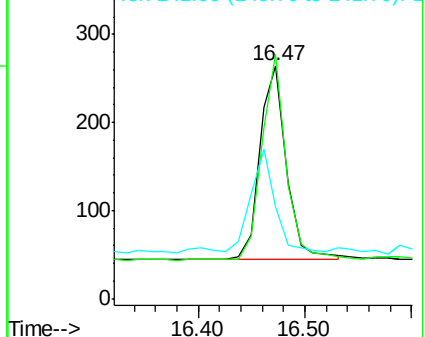
141 47.0 33.7 50.5

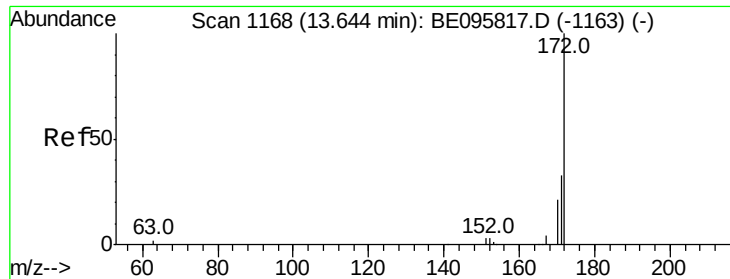


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

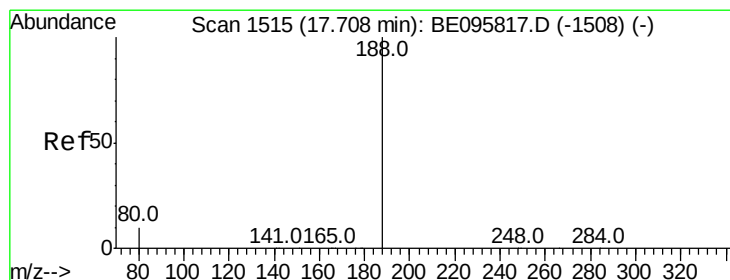
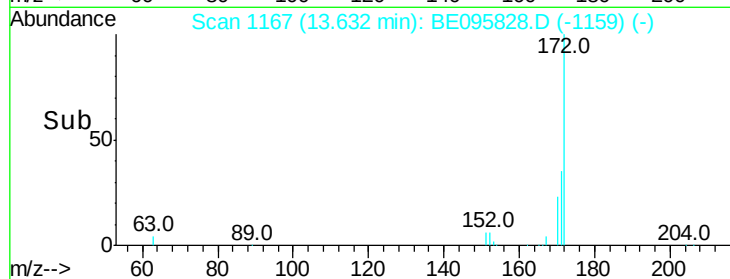
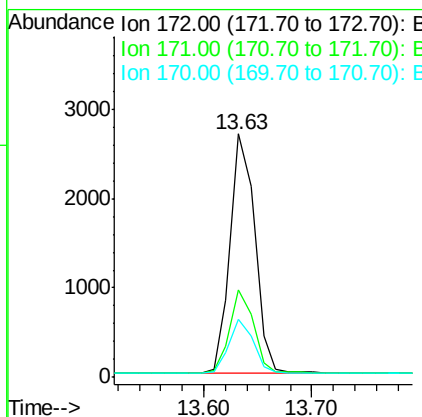
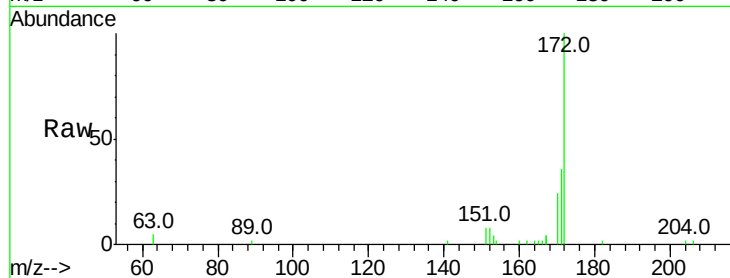




#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

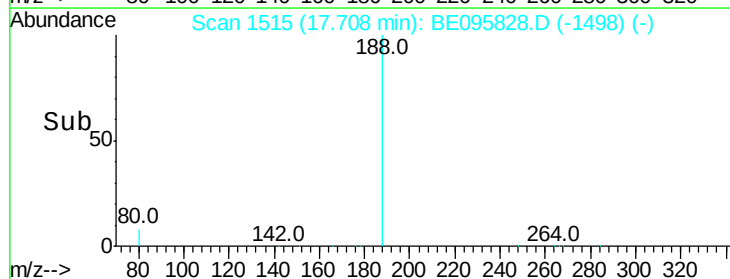
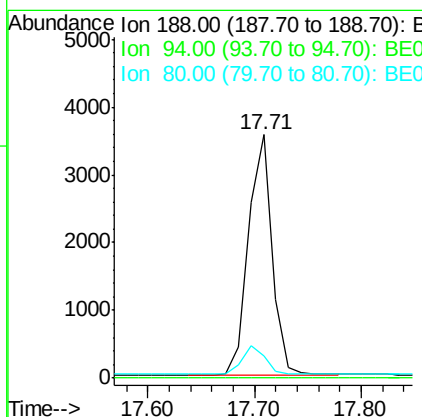
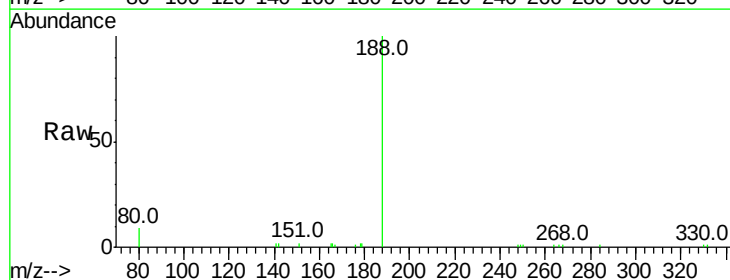
Instrument :
BNA_E
ClientSampleId :

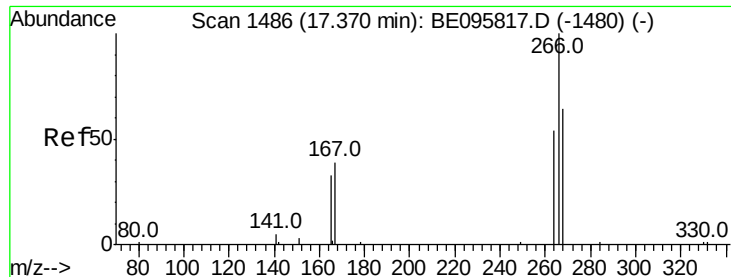
Tot Ion:172 Resp: 4267
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 23.9 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Tgt Ion:188 Resp: 5465
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 9.3 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.138 ng

RT: 17.37 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

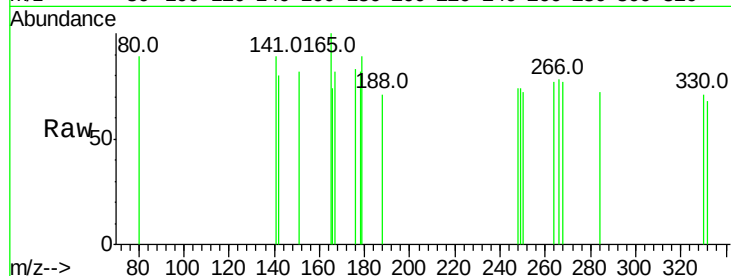
Tot Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 98.0 72.5 108.7

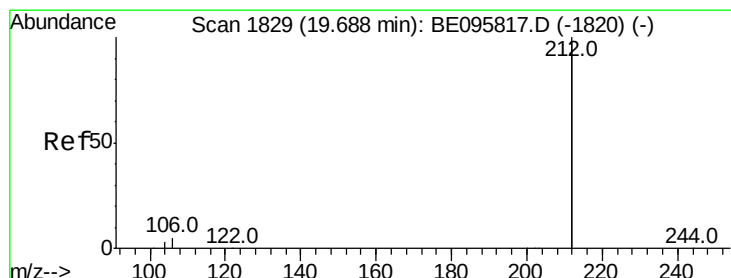
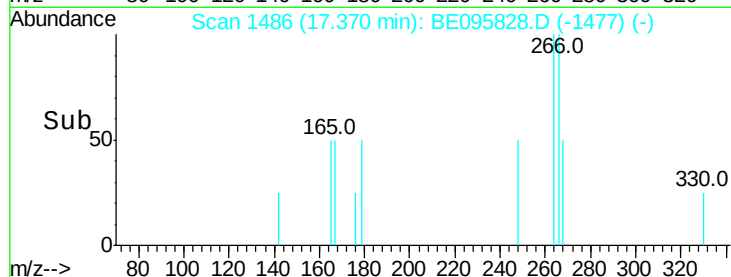
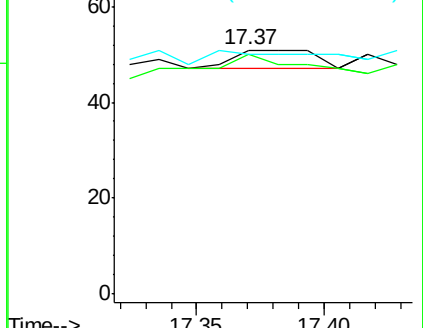
268 98.0 73.8 110.6



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



#25

Fluoranthene-d10

Concen: 0.313 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

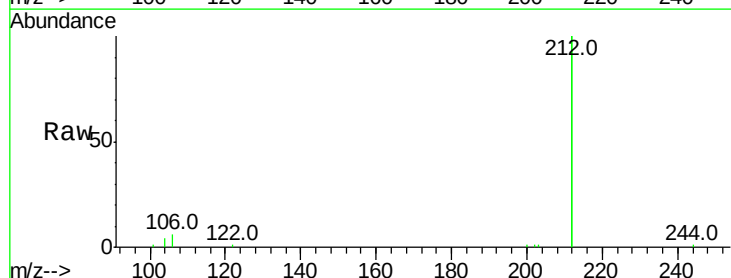
Tgt Ion:212 Resp: 25387

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

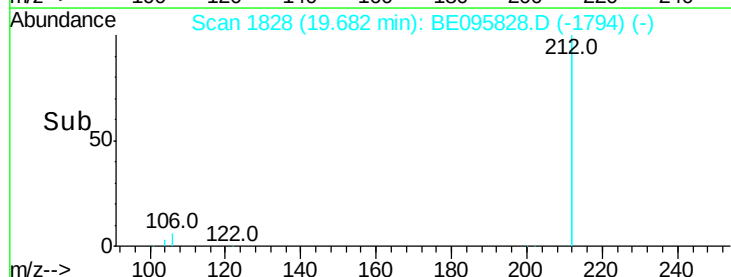
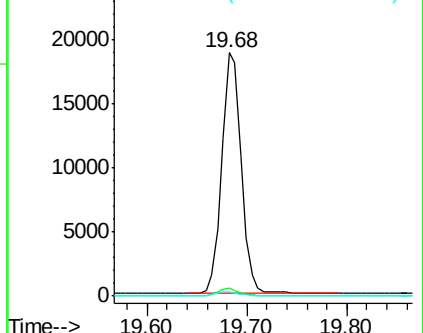
104 1.6 1.6 2.4#

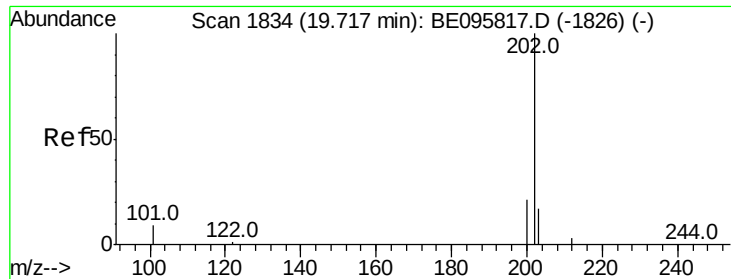


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

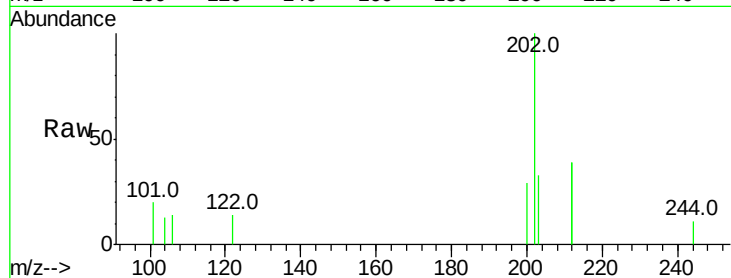




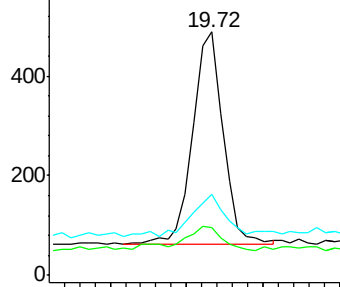
#26
 Fluoranthene
 Concen: 0.026 ng
 RT: 19.72 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: BE095828.D
 Acq: 23 Mar 2018 18:13

Instrument :
 BNA_E
 ClientSampleId :

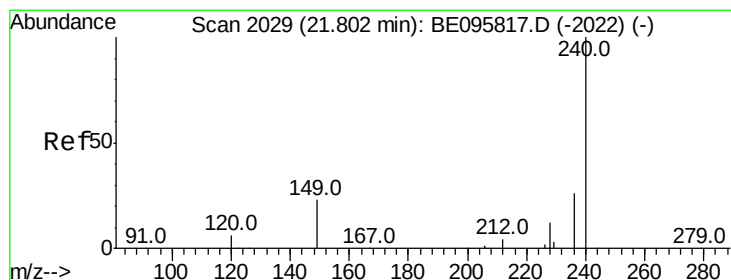
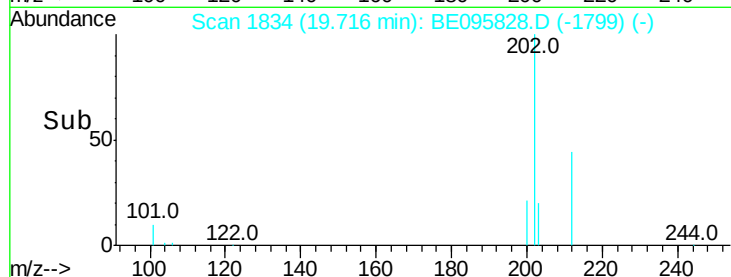
Tot Ion:202 Resp: 590
 Ion Ratio Lower Upper
 202 100
 101 12.9 9.8 14.8
 203 20.7 13.7 20.5#



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

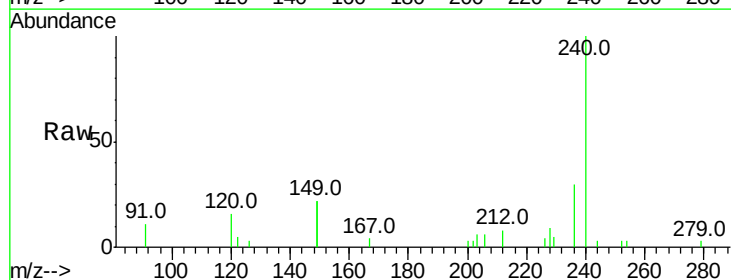


Time-->

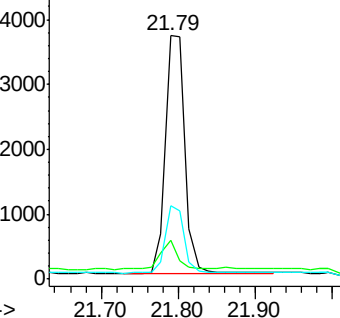


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.79 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BE095828.D
 Acq: 23 Mar 2018 18:13

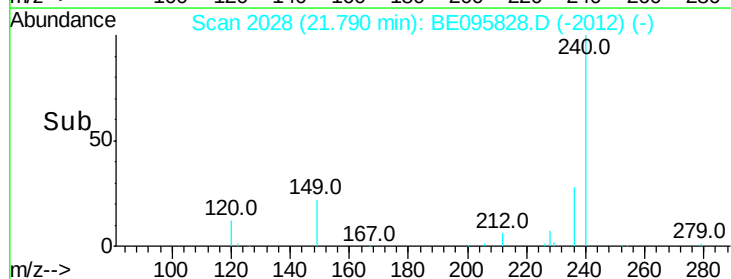
Tgt Ion:240 Resp: 6438
 Ion Ratio Lower Upper
 240 100
 120 16.1 5.5 8.3#
 236 30.2 20.7 31.1

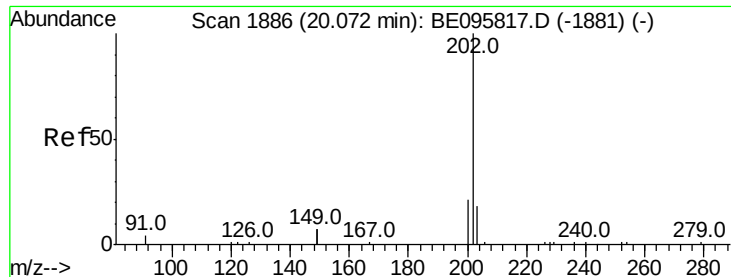


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#28

Pvrene

Concen: 0.031 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

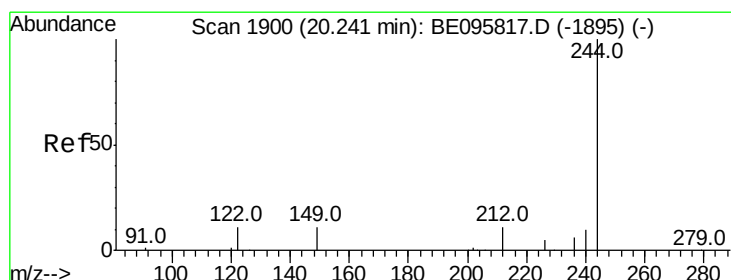
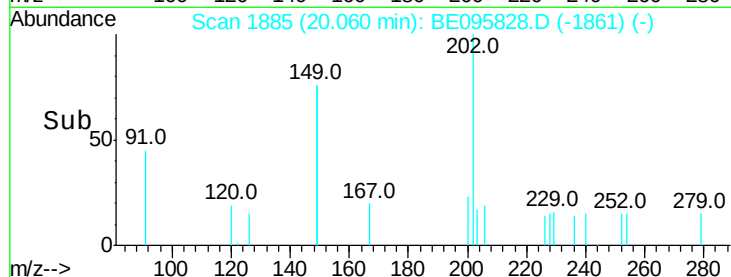
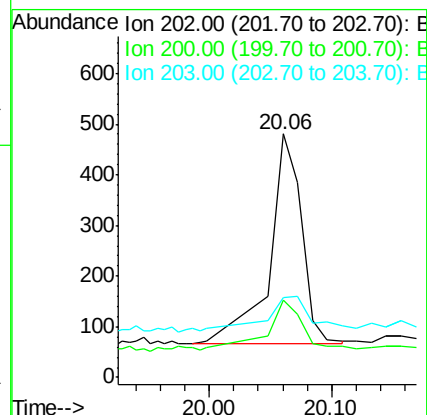
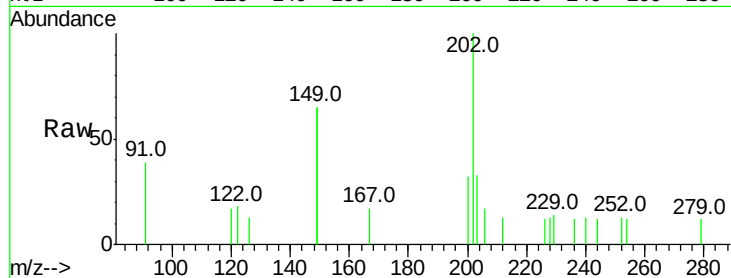
Tot Ion:202 Resp: 821

Ion Ratio Lower Upper

202 100

200 27.8 16.6 25.0#

203 19.0 13.8 20.8



#29

Terphenyl-d14

Concen: 0.454 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

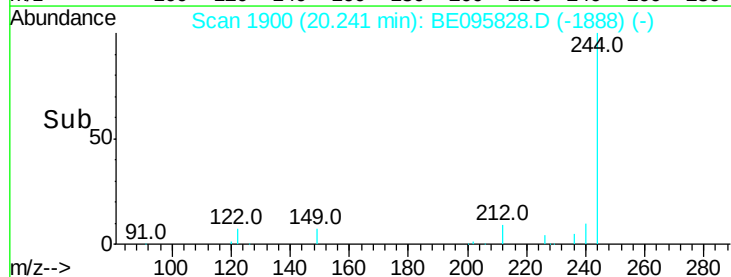
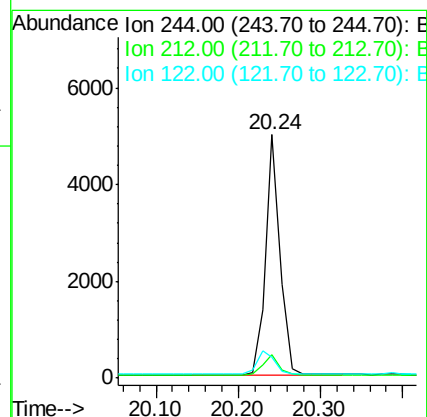
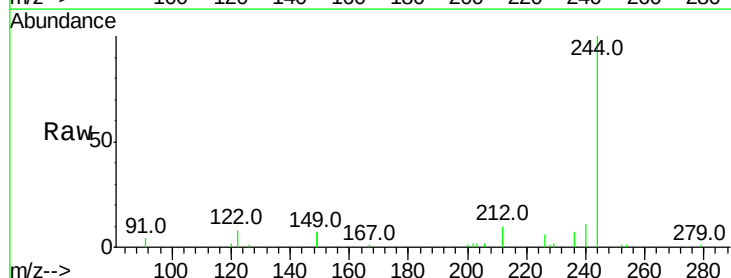
Tgt Ion:244 Resp: 6207

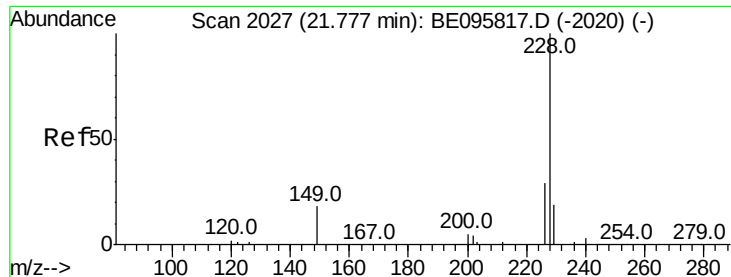
Ion Ratio Lower Upper

244 100

212 9.7 25.4 38.0#

122 8.5 8.1 12.1





#30

Benzo(a)anthracene

Concen: 0.041 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampled :

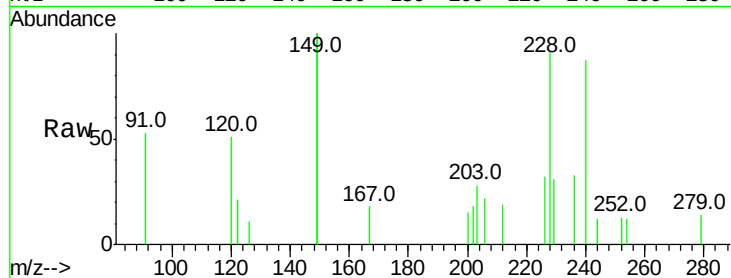
Tot Ion:228 Resp: 912

Ion Ratio Lower Upper

228 100

226 35.8 24.0 36.0

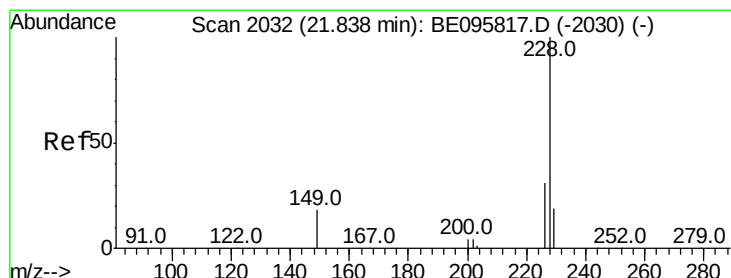
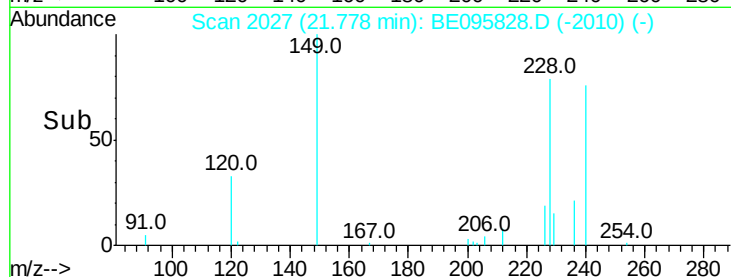
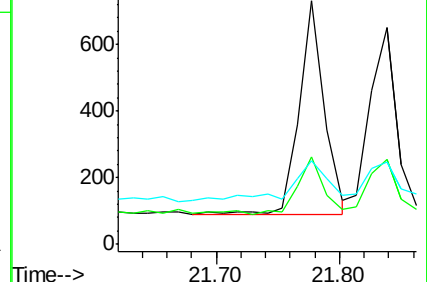
229 34.2 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.041 ng

RT: 21.84 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

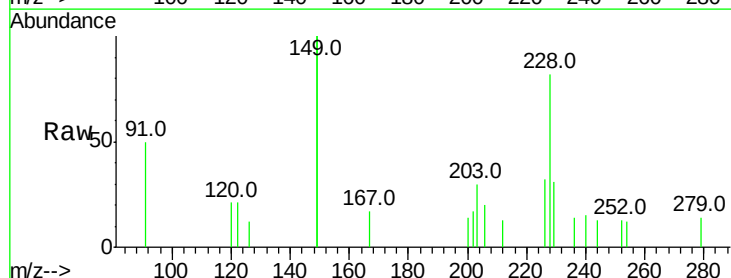
Tgt Ion:228 Resp: 827

Ion Ratio Lower Upper

228 100

226 38.9 24.0 36.0#

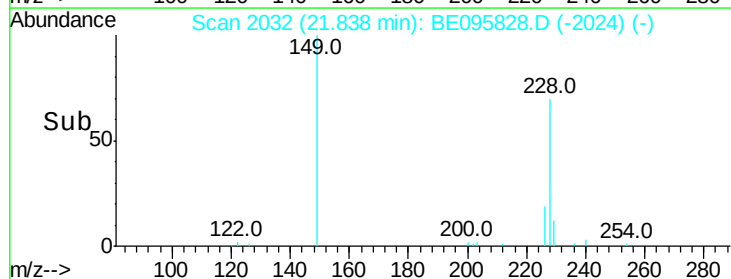
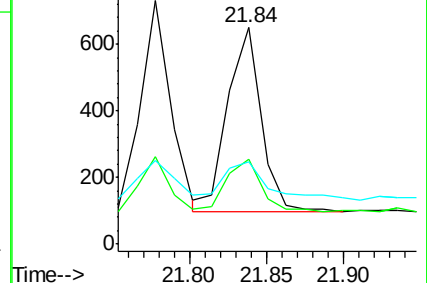
229 38.0 16.0 24.0#

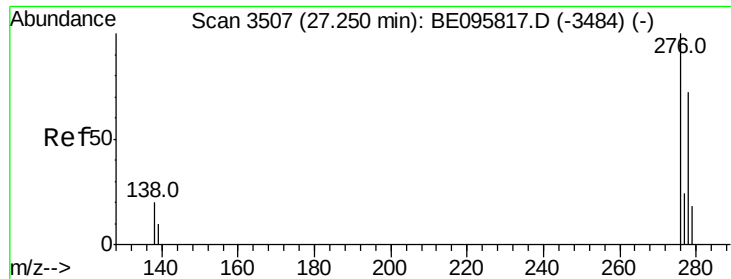


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.01 min

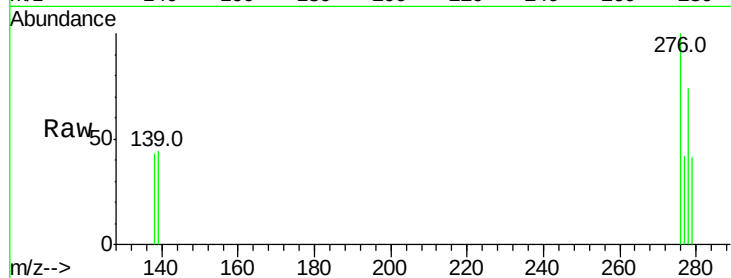
Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :



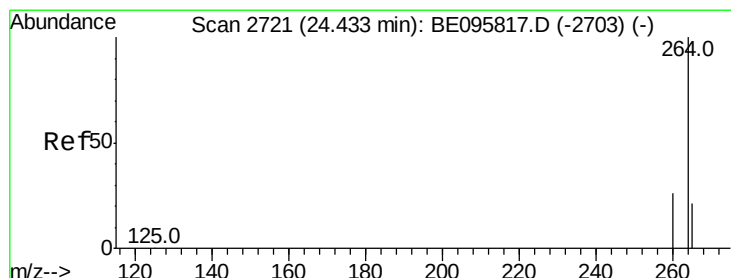
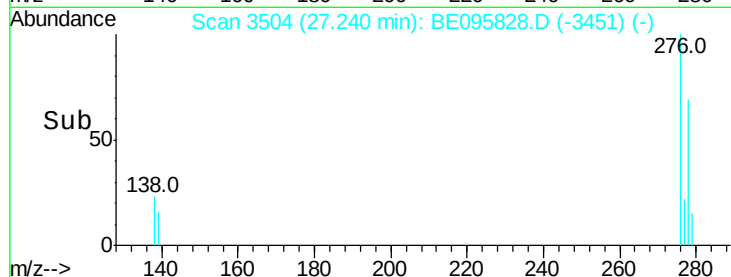
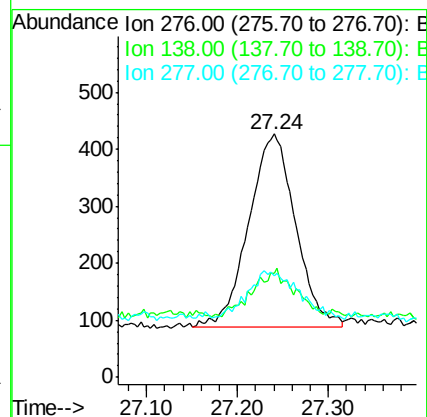
Tot Ion:276 Resp: 1205

Ion Ratio Lower Upper

276 100

138 22.6 22.5 33.7

277 27.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.43 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

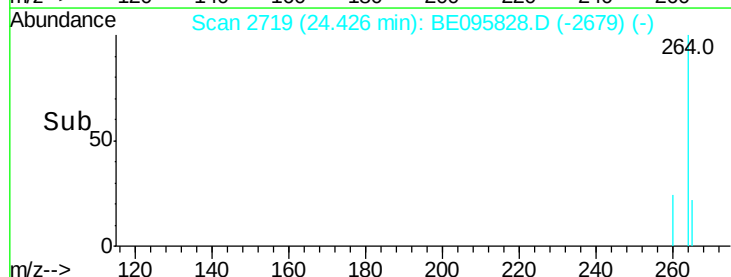
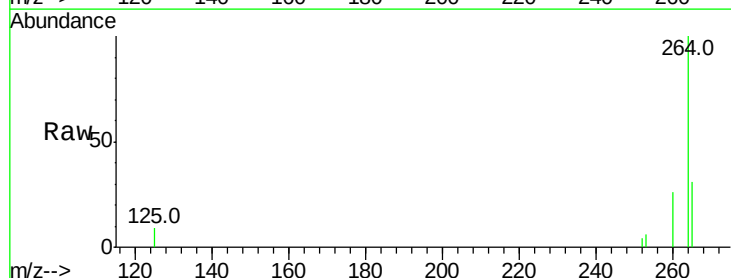
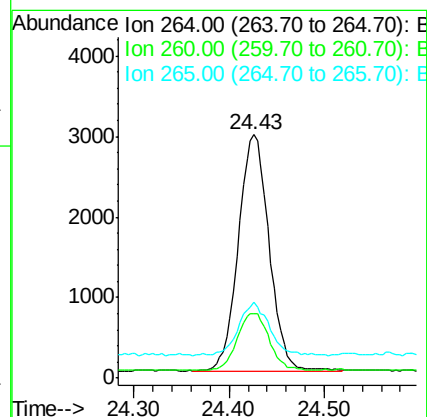
Tgt Ion:264 Resp: 6606

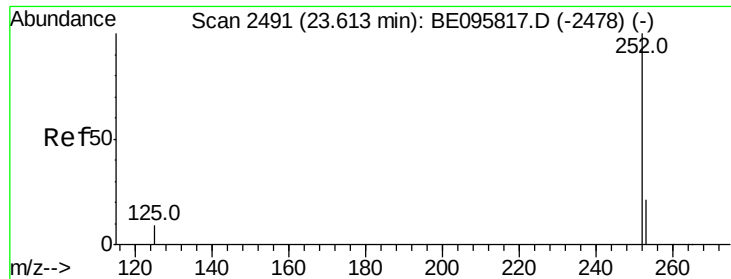
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 31.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.044 ng

RT: 23.61 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

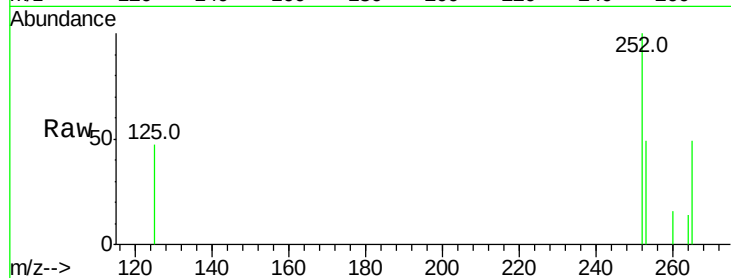
Tot Ion:252 Resp: 969

Ion Ratio Lower Upper

252 100

253 49.3 20.0 30.0#

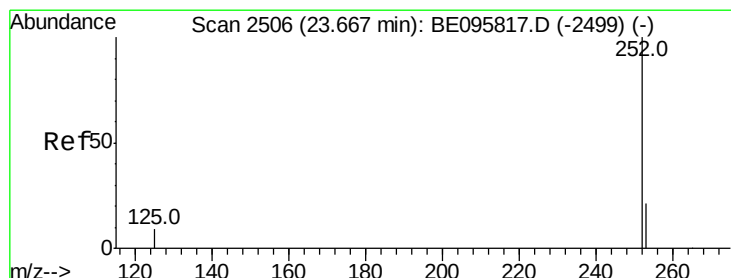
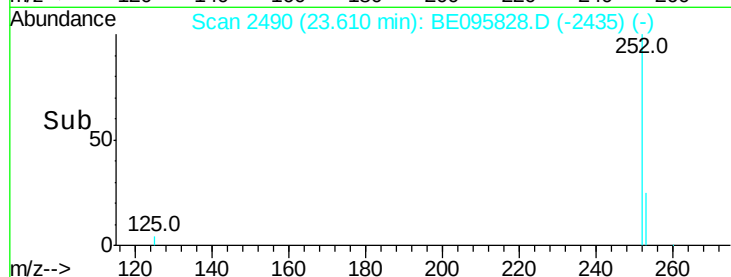
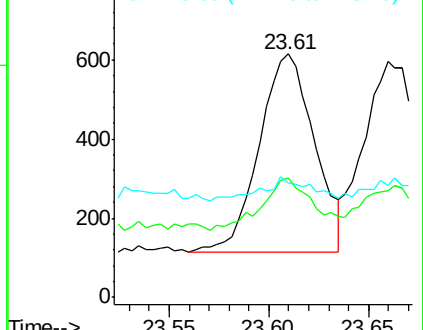
125 46.8 16.0 24.0#



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: 0.044 ng

RT: 23.66 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

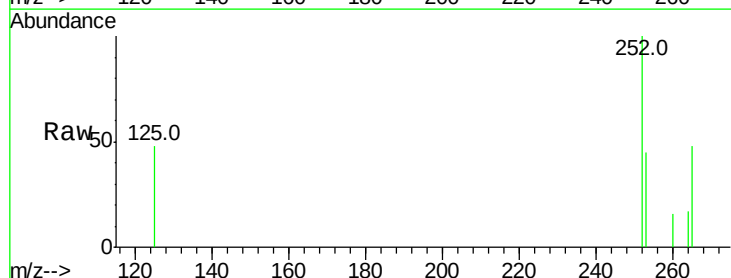
Tgt Ion:252 Resp: 960

Ion Ratio Lower Upper

252 100

253 45.1 16.0 24.0#

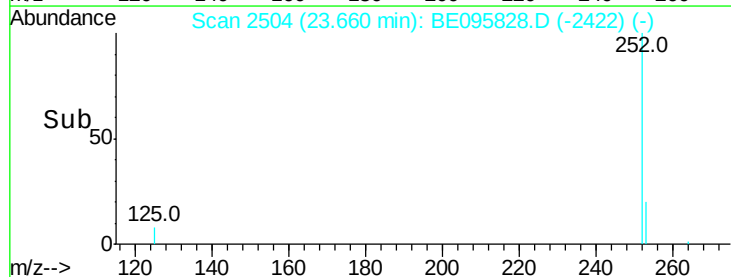
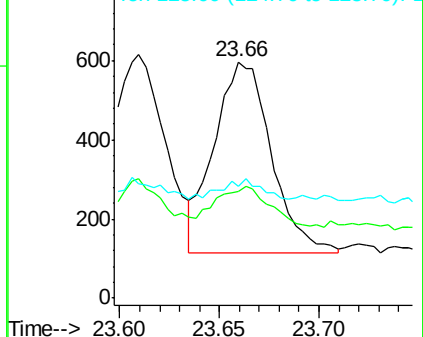
125 47.6 8.0 12.0#

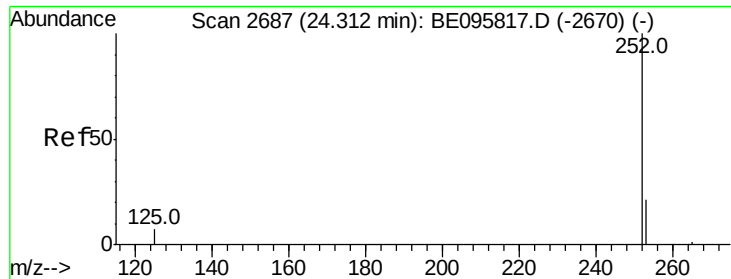


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.043 ng

RT: 24.30 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

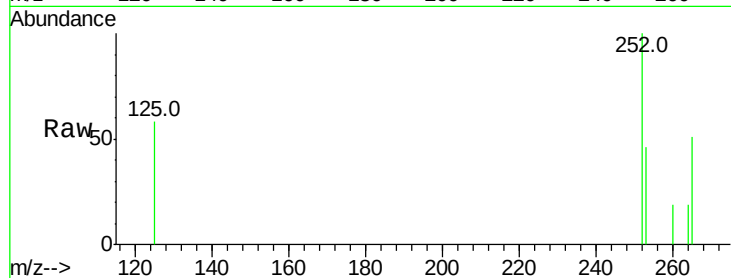
Tot Ion:252 Resp: 882

Ion Ratio Lower Upper

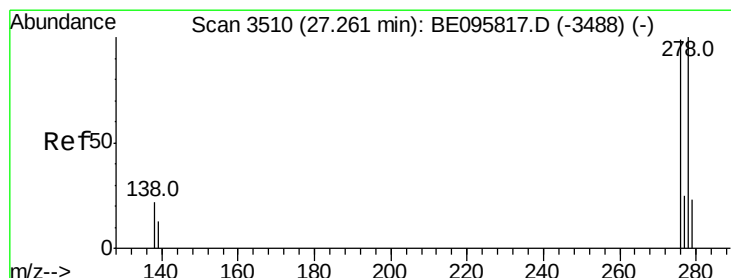
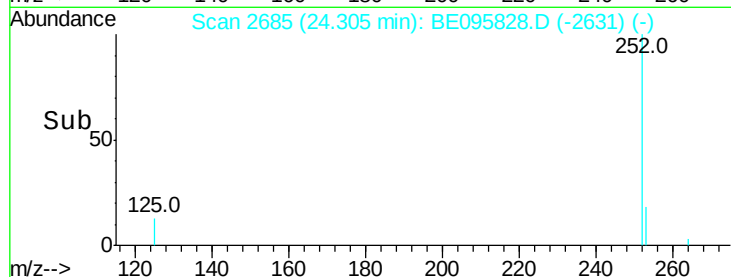
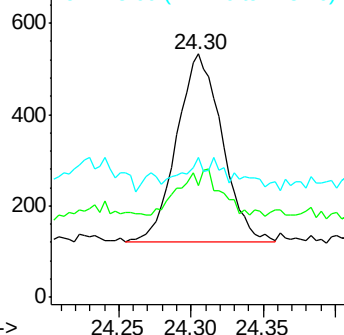
252 100

253 46.0 16.0 24.0#

125 57.6 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: 0.049 ng

RT: 27.25 min Scan# 3508

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

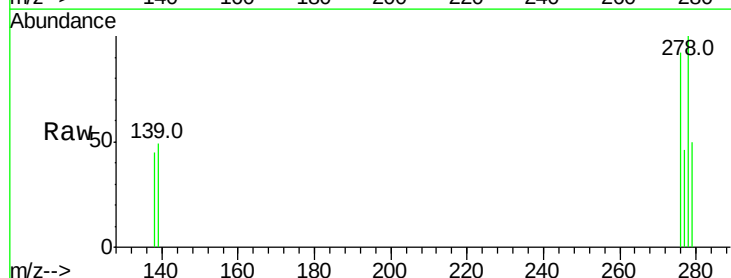
Tgt Ion:278 Resp: 948

Ion Ratio Lower Upper

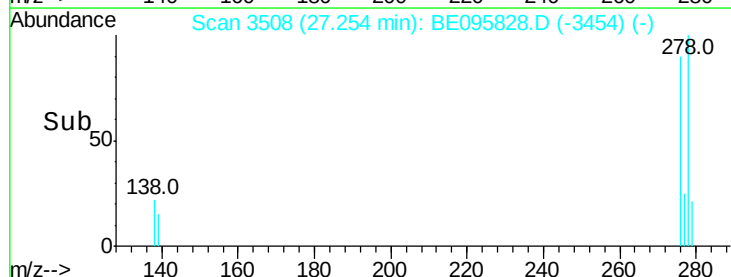
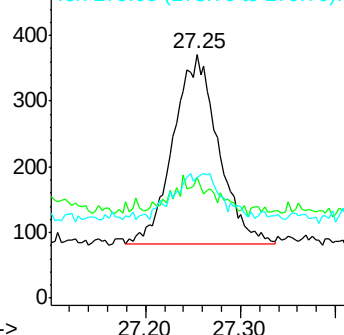
278 100

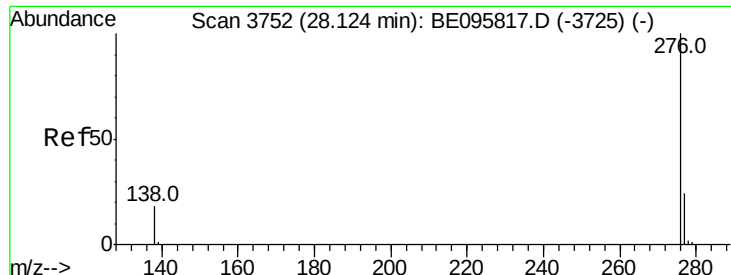
139 49.3 16.0 24.0#

279 49.6 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: 0.055 ng

RT: 28.10 min Scan# 3746

Delta R.T. -0.02 min

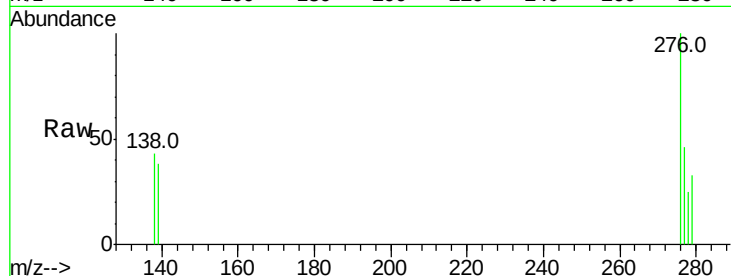
Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :



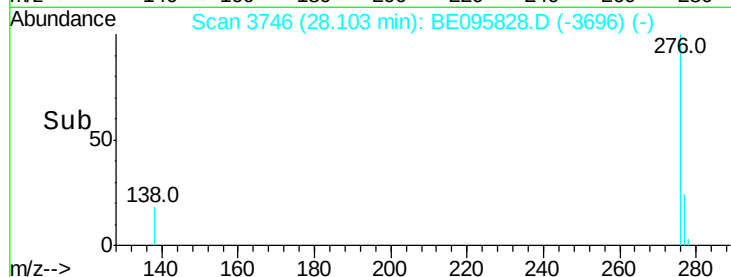
Tot Ion: 276 Resp: 1067

Ion Ratio Lower Upper

276 100

277 45.9 16.0 24.0#

138 42.9 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

