

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071718\
 Data File : BE096953.D
 Acq On : 17 Jul 2018 11:04
 Operator : SJ/JU
 Sample : SST00.161
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 13:01:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE071718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 13:01:30 2018
 Response via : Initial Calibration

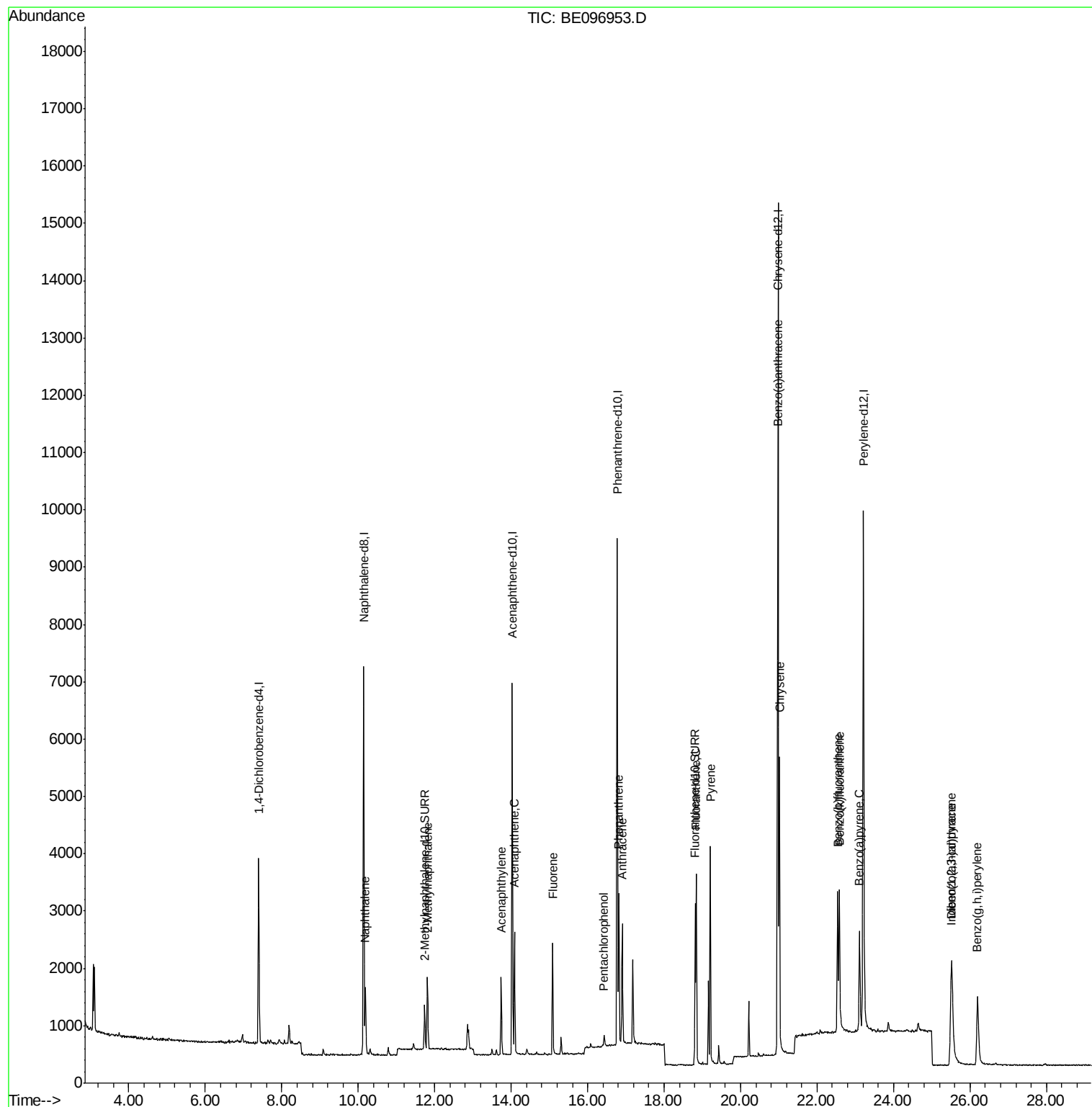
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1527	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	7084	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	3631	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.78	188	10704	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	13011	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	12711	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	1112	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	3125	0.12	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.19	128	1704	0.100	ng/ul#	93
5) 2-Methylnaphthalene	11.81	142	1121	0.096	ng/ul	95
7) Acenaphthylene	13.74	152	1547	0.104	ng/ul	97
8) Acenaphthene	14.09	153	1241	0.101	ng/ul#	95
9) Fluorene	15.08	166	1274	0.100	ng/ul	94
11) Pentachlorophenol	16.43	266	118	0.168	ng/ul#	90
12) Phenanthrene	16.81	178	2835	0.103	ng/ul#	90
13) Anthracene	16.90	178	2350	0.100	ng/ul	93
15) Fluoranthene	18.84	202	3713	0.126	ng/ul	84
17) Pyrene	19.21	202	4318	0.101	ng/ul#	84
18) Benzo(a)anthracene	20.96	228	3476	0.113	ng/ul#	86
19) Chrysene	21.02	228	4230	0.106	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	3280	0.095	ng/ul	88
22) Benzo(k)fluoranthene	22.58	252	3763	0.099	ng/ul	92
23) Benzo(a)pyrene	23.11	252	2995	0.102	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.50	276	3234	0.106	ng/ul#	81
25) Dibenzo(a,h)anthracene	25.53	278	2657	0.110	ng/ul	96
26) Benzo(g,h,i)perylene	26.20	276	2980	0.101	ng/ul	94

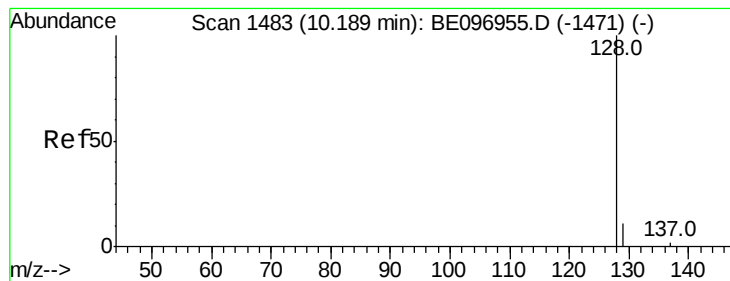
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.100 ng/ul

RT: 10.19 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

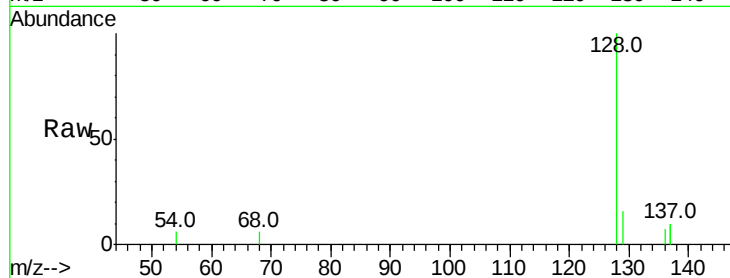
Tot Ion:128 Resp: 1704

Ion Ratio Lower Upper

128 100

129 15.5 11.3 16.9

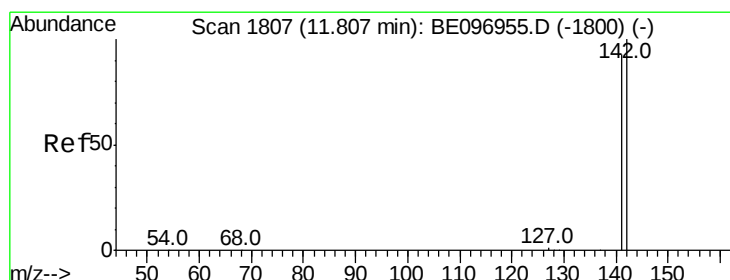
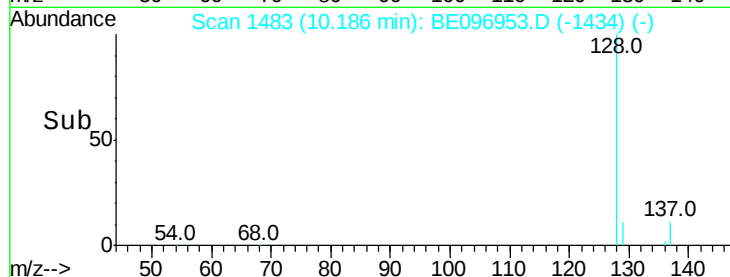
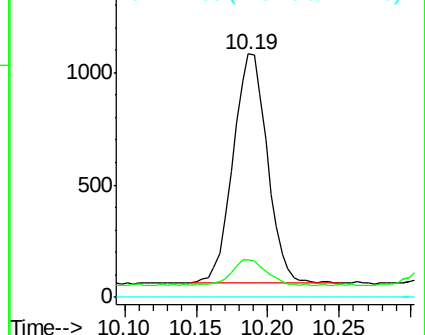
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.096 ng/ul

RT: 11.81 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BE096953.D

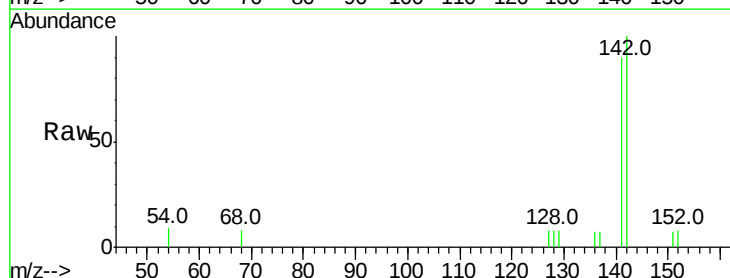
Acq: 17 Jul 2018 11:04

Tgt Ion:142 Resp: 1121

Ion Ratio Lower Upper

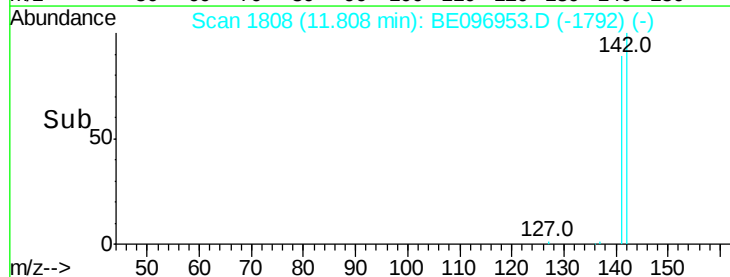
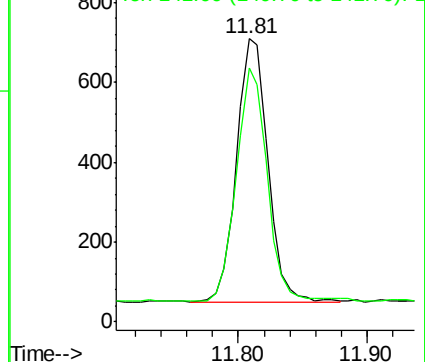
142 100

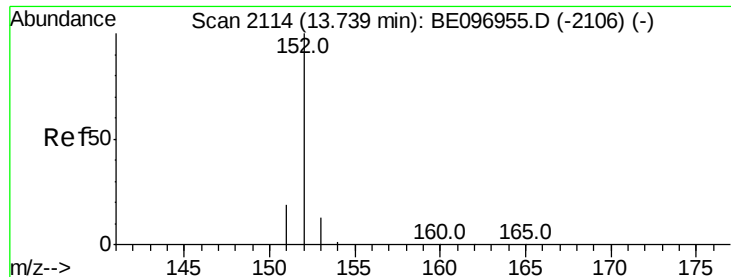
141 86.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 13.74 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampled :

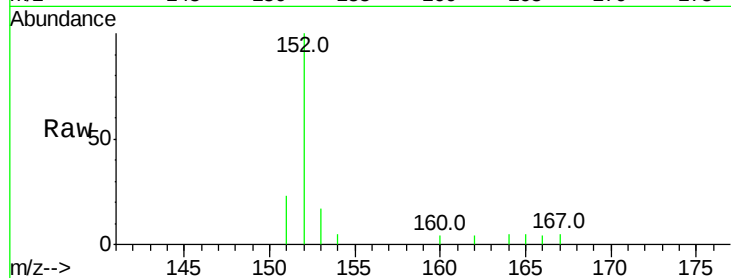
Tot Ion:152 Resp: 1547

Ion Ratio Lower Upper

152 100

151 22.8 17.1 25.7

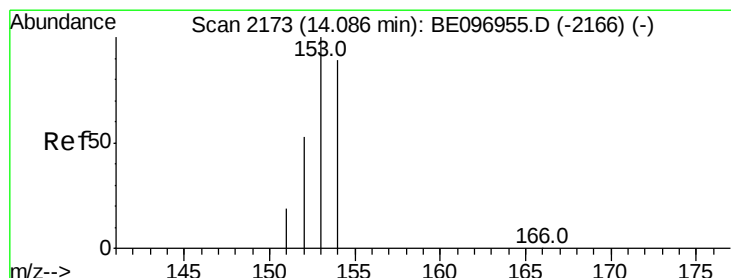
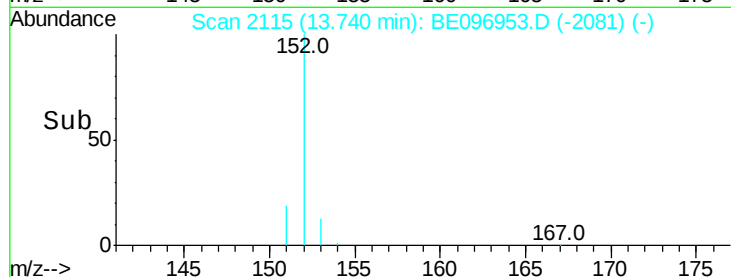
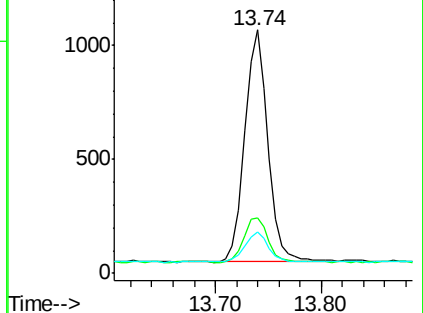
153 17.2 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.101 ng/ul

RT: 14.09 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

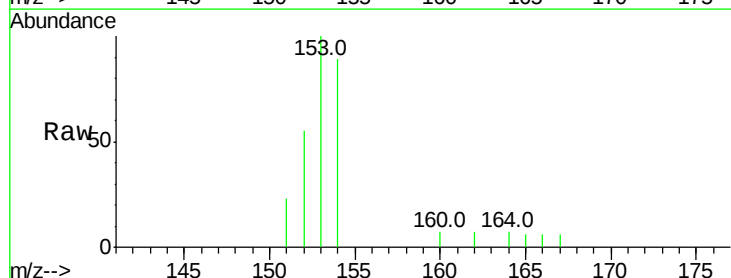
Tgt Ion:153 Resp: 1241

Ion Ratio Lower Upper

153 100

152 54.6 36.0 54.0#

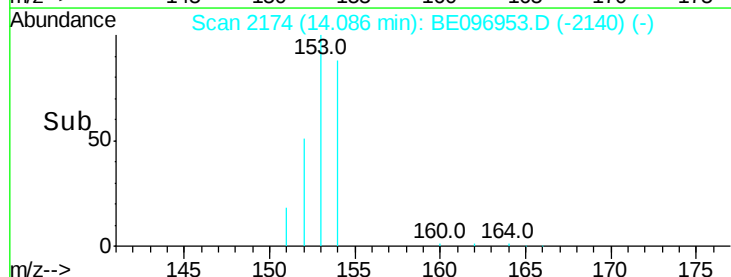
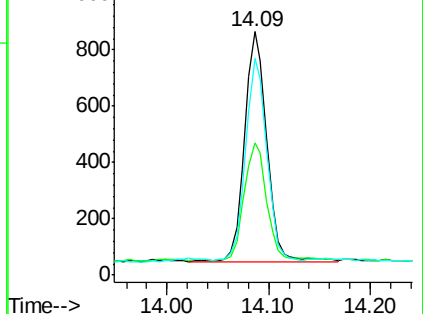
154 89.1 72.0 108.0

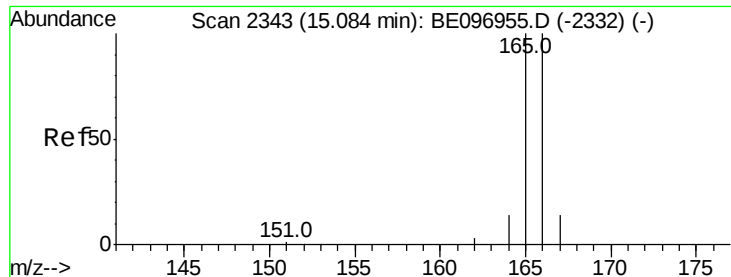


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.100 ng/ul

RT: 15.08 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

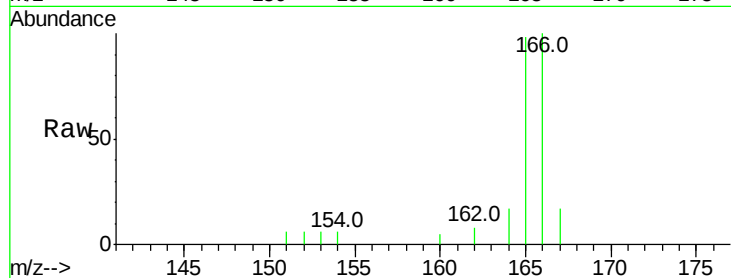
Tot Ion:166 Resp: 1274

Ion Ratio Lower Upper

166 100

165 98.3 73.4 110.2

167 17.3 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

1200

1000

800

600

400

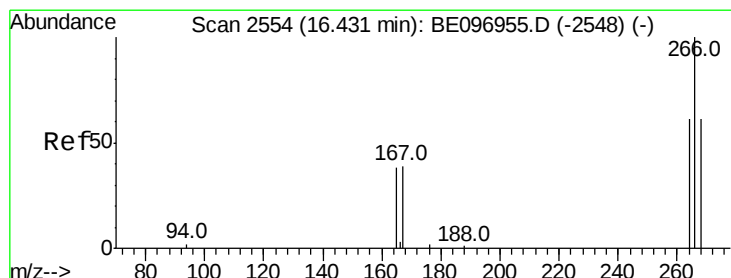
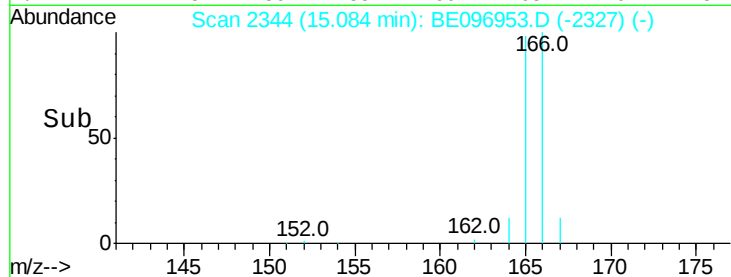
200

0

15.08

15.00 15.10 15.20

Time-->



#11

Pentachlorophenol

Concen: 0.168 ng/ul

RT: 16.43 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

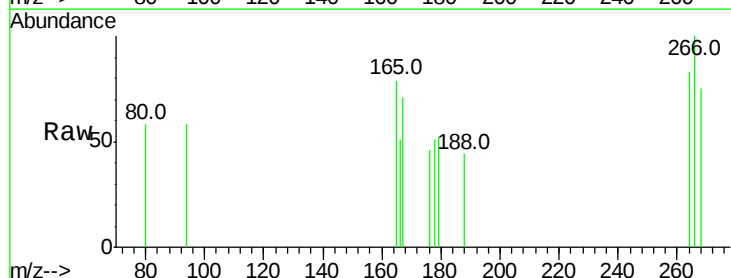
Tgt Ion:266 Resp: 118

Ion Ratio Lower Upper

266 100

264 72.9 47.9 71.9#

268 60.2 49.8 74.8



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

150

100

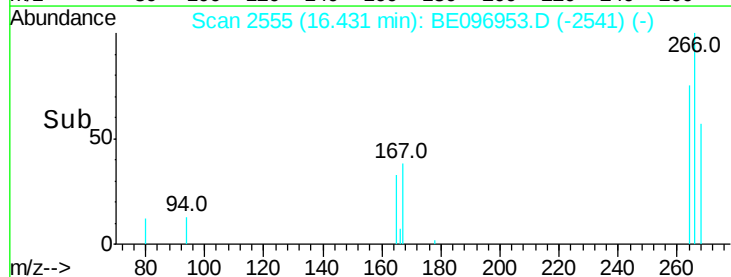
50

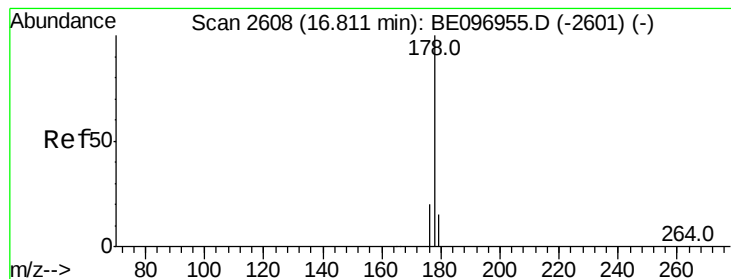
0

16.43

16.40 16.50

Time-->





#12

Phenanthrene

Concen: 0.103 ng/ul

RT: 16.81 min Scan# 2609

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

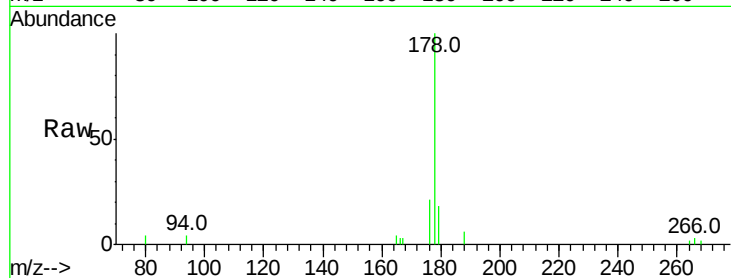
Tot Ion:178 Resp: 2835

Ion Ratio Lower Upper

178 100

179 18.1 18.4 27.6#

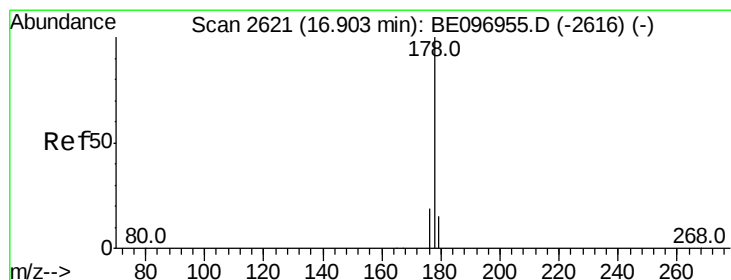
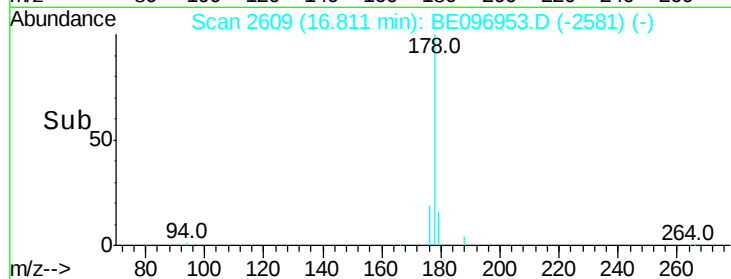
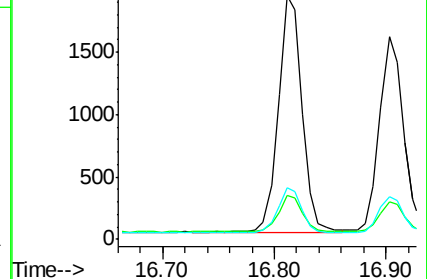
176 21.3 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.100 ng/ul

RT: 16.90 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

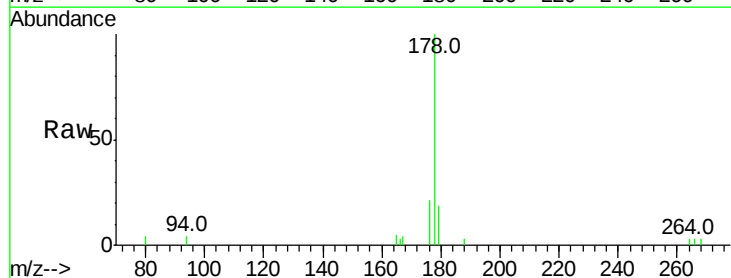
Tgt Ion:178 Resp: 2350

Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

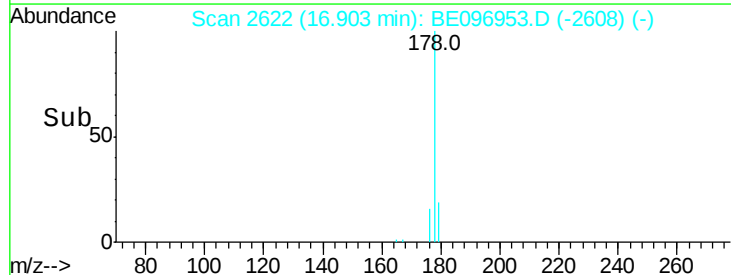
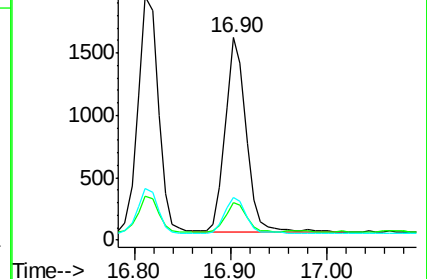
176 21.4 14.7 22.1

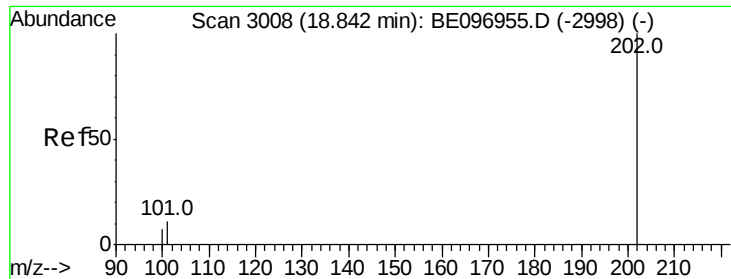


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.126 ng/ul

RT: 18.84 min Scan# 3009

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

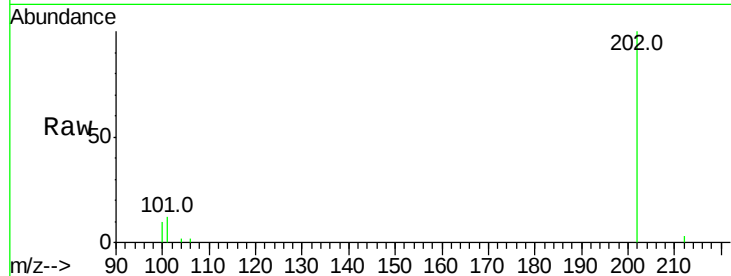
Tot Ion:202 Resp: 3713

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

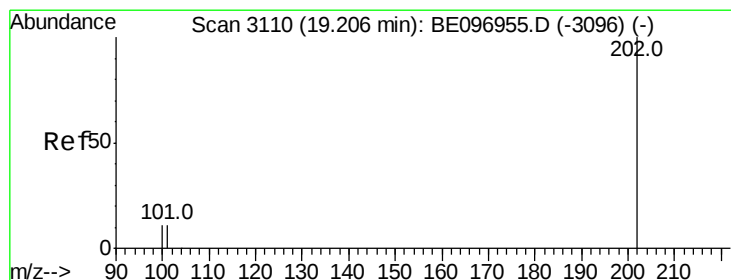
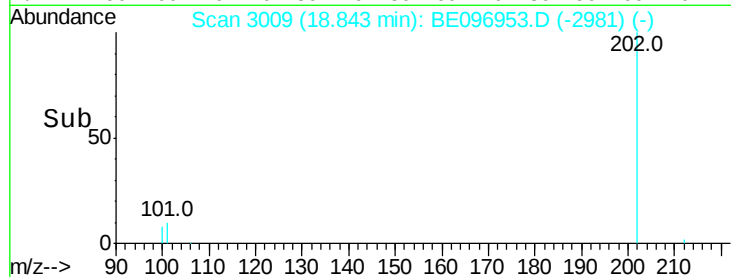
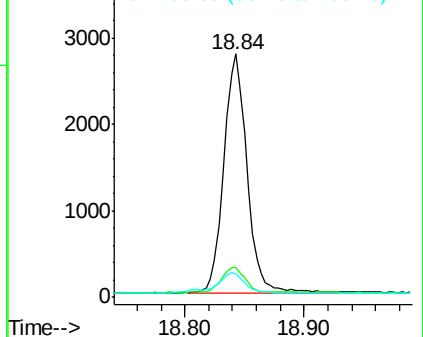
100 9.8 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 0.101 ng/ul

RT: 19.21 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

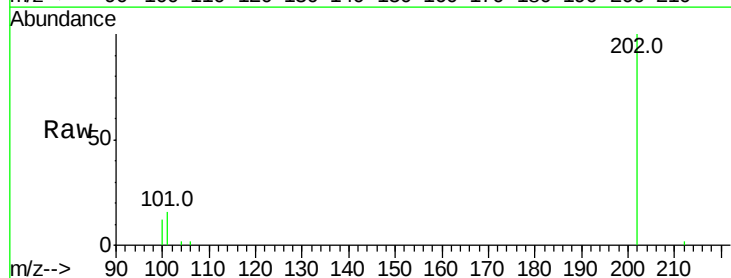
Tgt Ion:202 Resp: 4318

Ion Ratio Lower Upper

202 100

101 15.6 18.2 27.4#

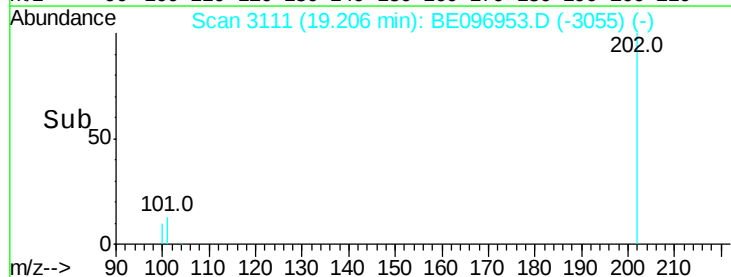
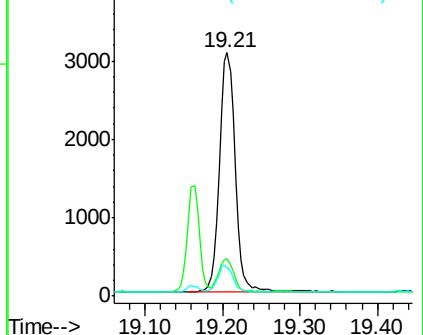
100 11.6 15.6 23.4#

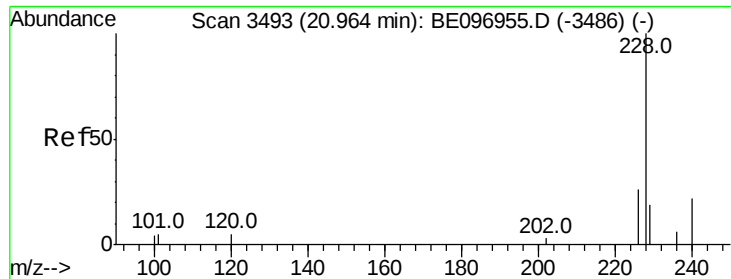


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.113 ng/ul

RT: 20.96 min Scan# 3493

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

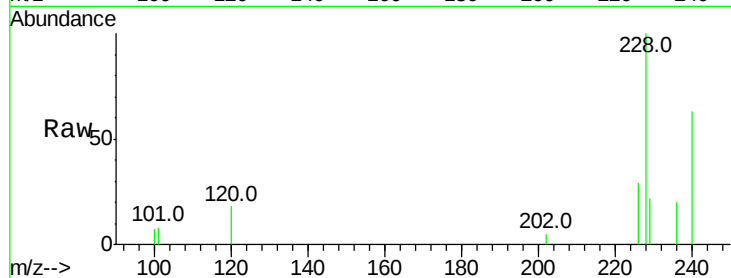
Tot Ion:228 Resp: 3476

Ion Ratio Lower Upper

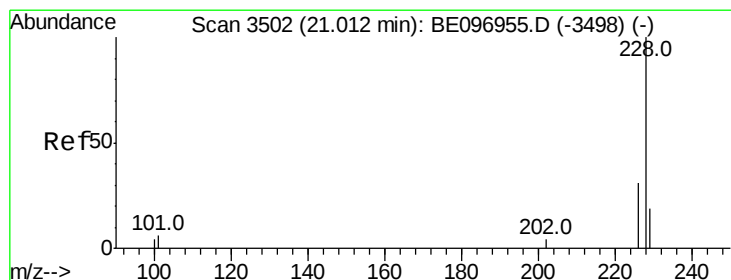
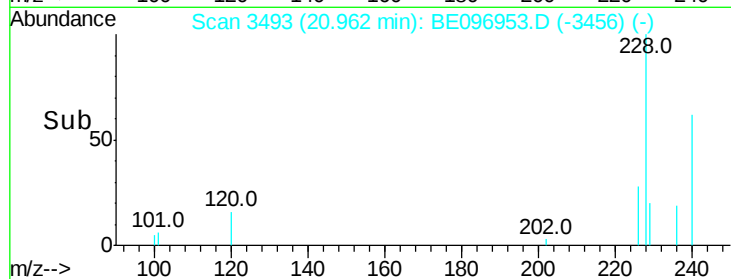
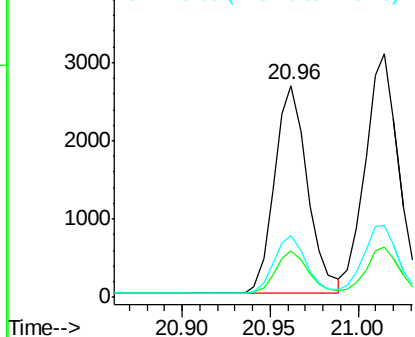
228 100

229 21.7 22.8 34.2#

226 29.2 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.106 ng/ul

RT: 21.02 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

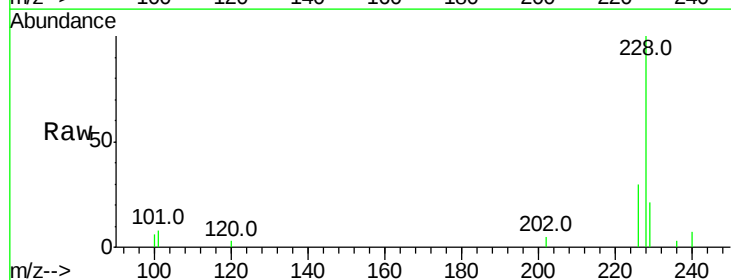
Tgt Ion:228 Resp: 4230

Ion Ratio Lower Upper

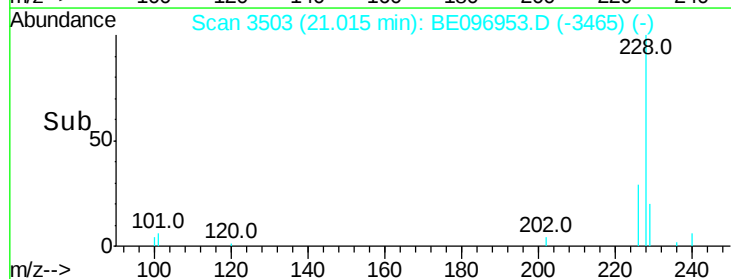
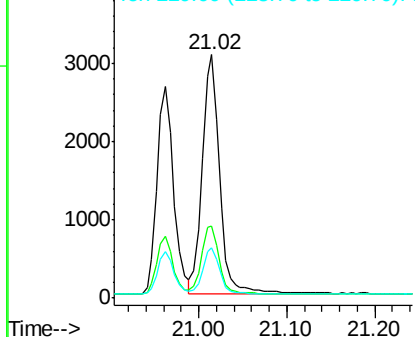
228 100

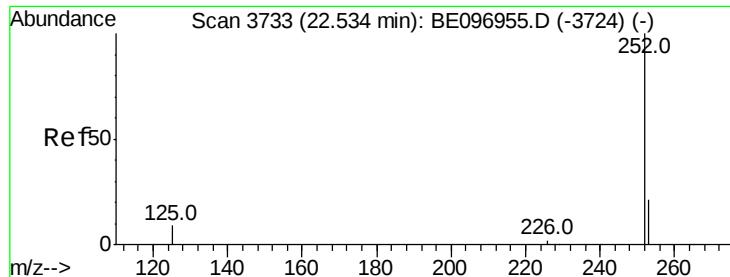
226 29.8 23.4 35.0

229 20.7 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.095 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

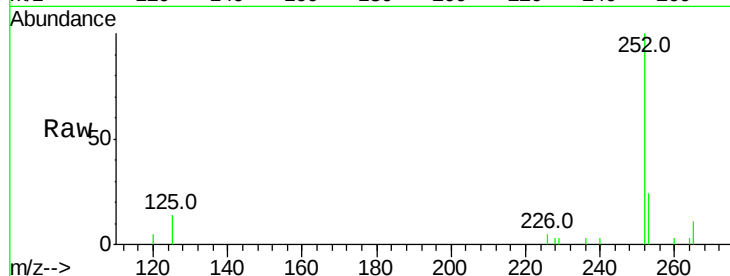
Tot Ion:252 Resp: 3280

Ion Ratio Lower Upper

252 100

253 24.3 0.0 64.2

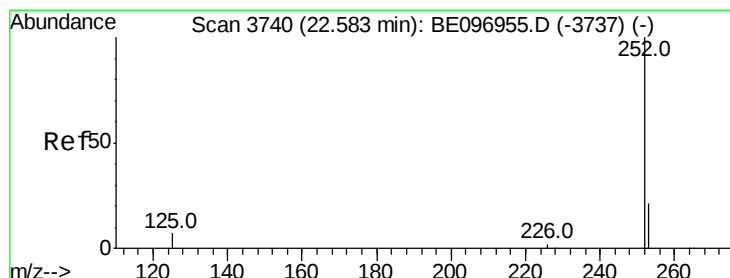
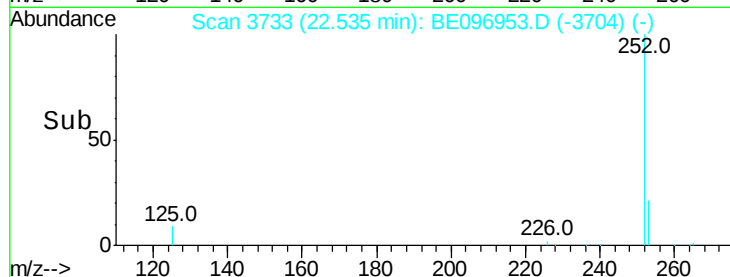
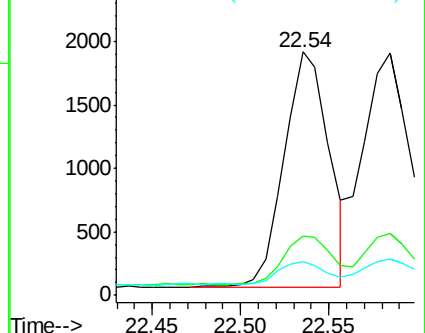
125 13.9 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.099 ng/ul

RT: 22.58 min Scan# 3740

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

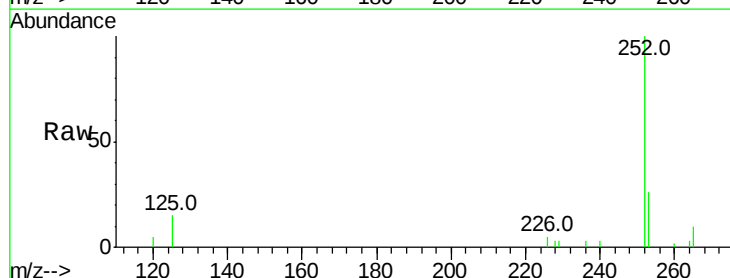
Tgt Ion:252 Resp: 3763

Ion Ratio Lower Upper

252 100

253 25.7 24.5 36.7

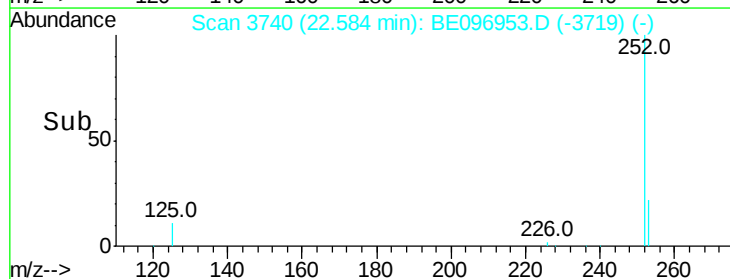
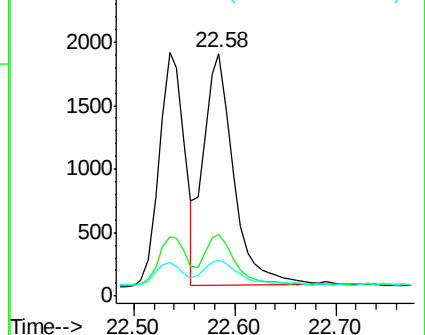
125 14.9 13.7 20.5

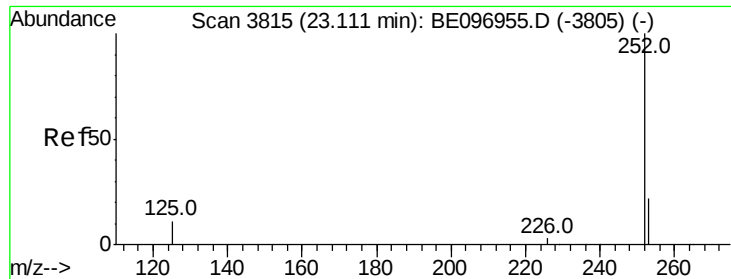


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.102 ng/ul

RT: 23.11 min Scan# 3815

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

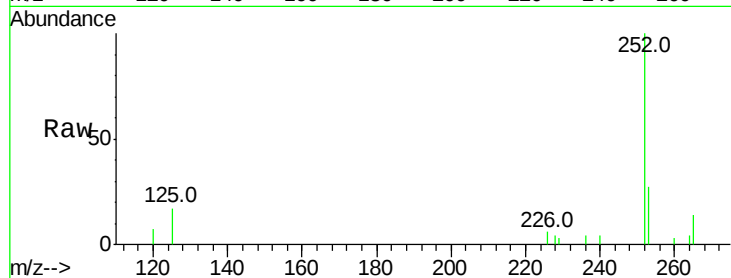
Tot Ion:252 Resp: 2995

Ion Ratio Lower Upper

252 100

253 26.6 28.5 42.7#

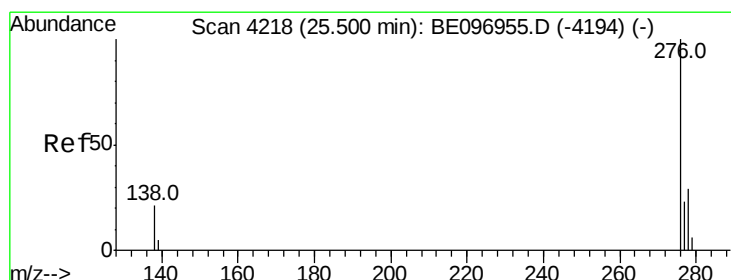
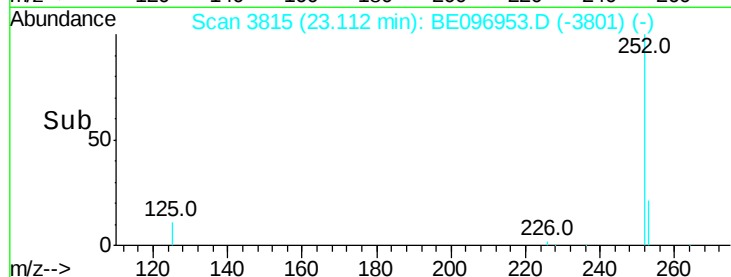
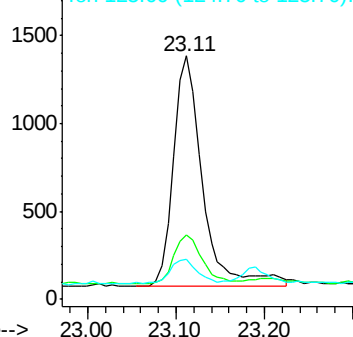
125 16.7 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.106 ng/ul

RT: 25.50 min Scan# 4219

Delta R.T. 0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

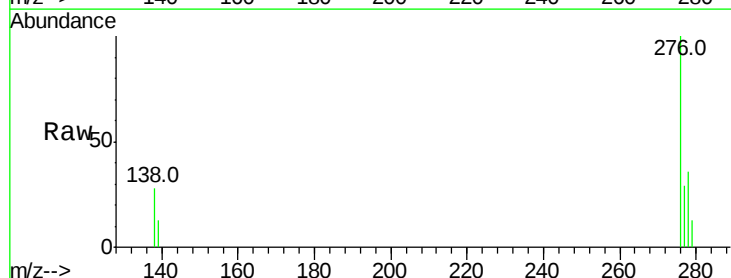
Tgt Ion:276 Resp: 3234

Ion Ratio Lower Upper

276 100

138 25.3 28.0 42.0#

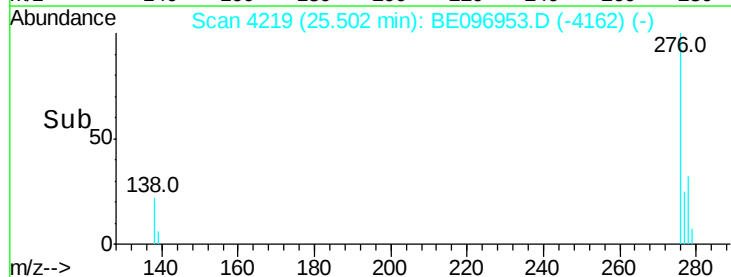
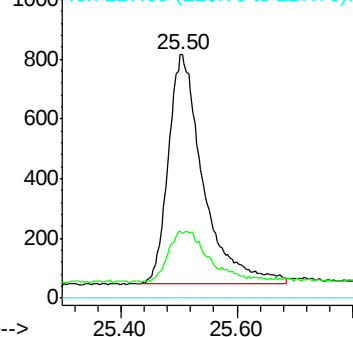
227 0.0 8.0 12.0#

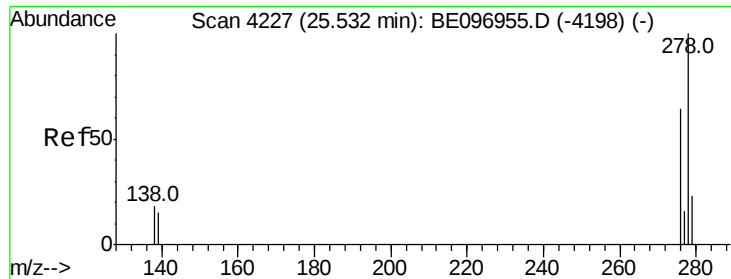


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.110 ng/ul

RT: 25.53 min Scan# 4227

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

Instrument :

BNA_E

ClientSampleId :

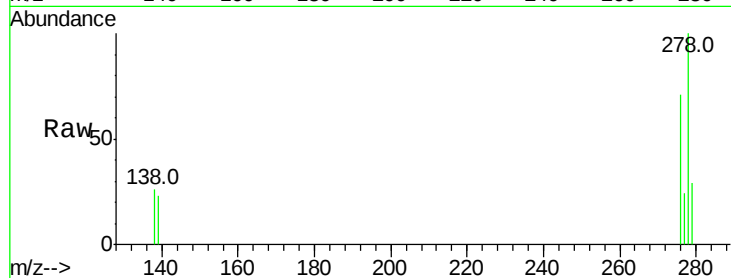
Tot Ion:278 Resp: 2657

Ion Ratio Lower Upper

278 100

139 22.8 17.4 26.0

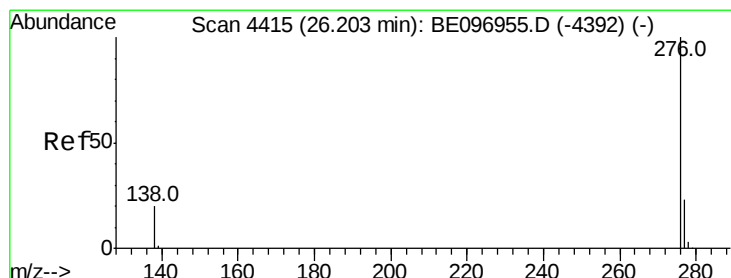
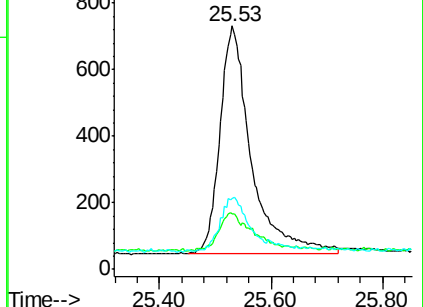
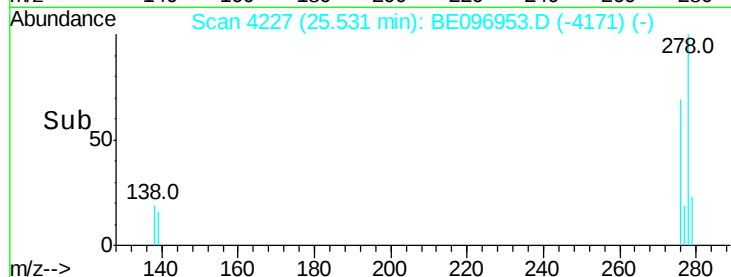
279 29.2 25.9 38.9



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



#26

Benzo(g,h,i)perylene

Concen: 0.101 ng/ul

RT: 26.20 min Scan# 4414

Delta R.T. -0.00 min

Lab File: BE096953.D

Acq: 17 Jul 2018 11:04

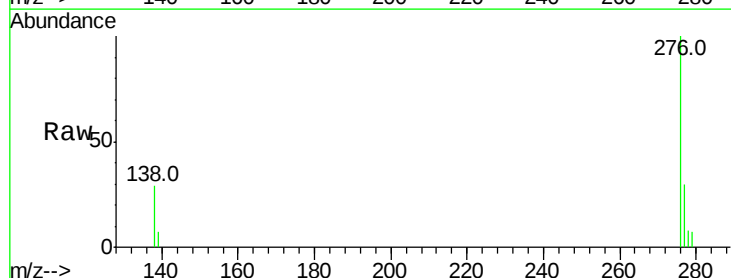
Tgt Ion:276 Resp: 2980

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.8

277 30.3 20.5 30.7



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

