

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071718\
 Data File : BE096954.D
 Acq On : 17 Jul 2018 11:43
 Operator : SJ/JU
 Sample : SST00.262
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 13:01:45 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	7.39	152	1516	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	6847	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	3541	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	10308	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	12297	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11695	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.74	152	2152	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	6119	0.24	ng/ul	0.00

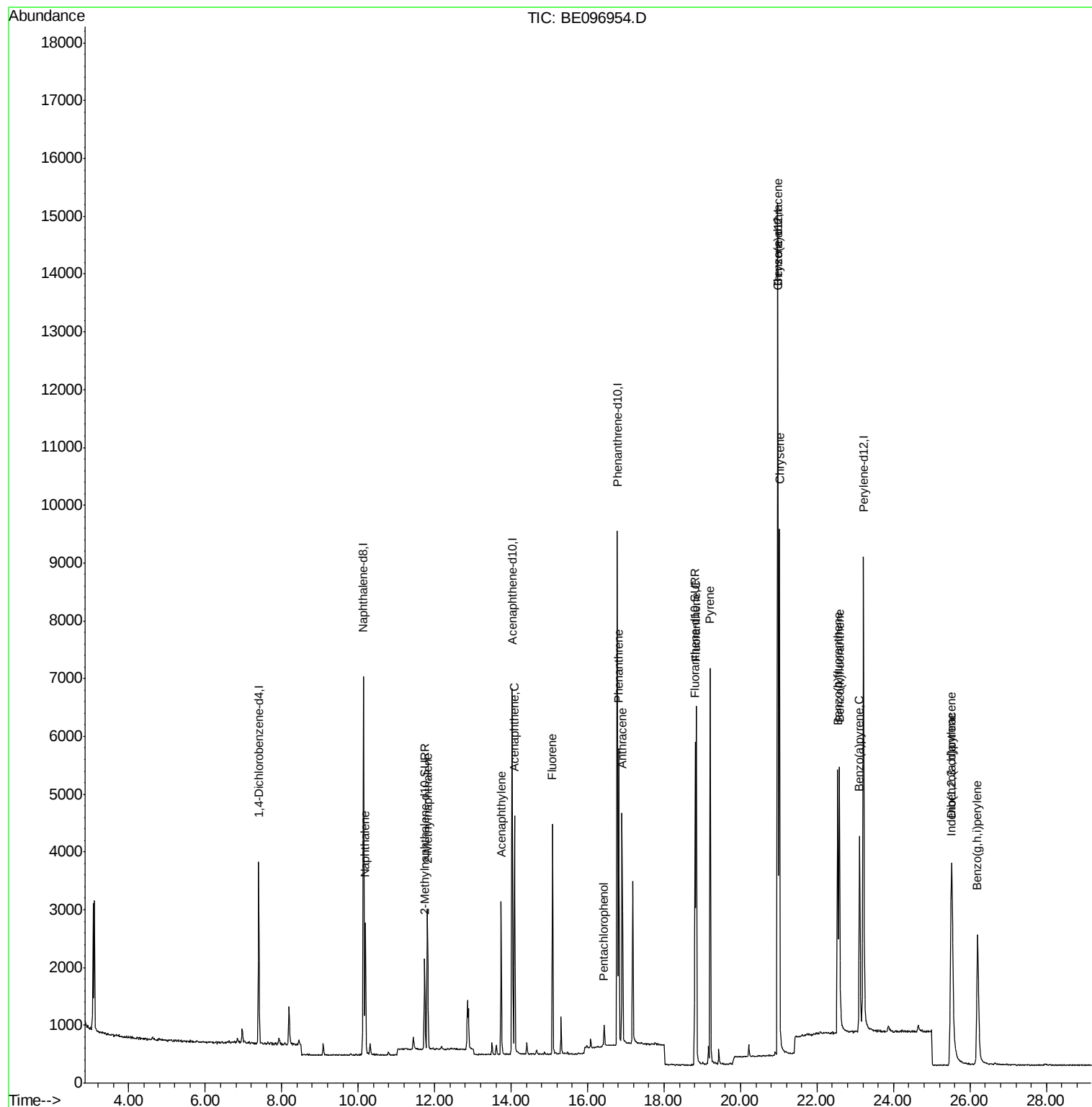
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	3336	0.202	ng/ul#	95
5) 2-Methylnaphthalene	11.81	142	2169	0.192	ng/ul	97
7) Acenaphthylene	13.74	152	3067	0.211	ng/ul	98
8) Acenaphthene	14.08	153	2361	0.197	ng/ul#	91
9) Fluorene	15.08	166	2496	0.202	ng/ul	96
11) Pentachlorophenol	16.43	266	213	0.316	ng/ul	93
12) Phenanthrene	16.82	178	5432	0.204	ng/ul#	90
13) Anthracene	16.90	178	4592	0.203	ng/ul#	91
15) Fluoranthene	18.84	202	7028	0.248	ng/ul	85
17) Pyrene	19.21	202	7539	0.187	ng/ul#	84
18) Benzo(a)anthracene	20.96	228	6435	0.222	ng/ul#	85
19) Chrysene	21.02	228	7559	0.201	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	6488	0.203	ng/ul	84
22) Benzo(k)fluoranthene	22.58	252	6481	0.186	ng/ul#	87
23) Benzo(a)pyrene	23.11	252	5625	0.208	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.50	276	6194	0.221	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.53	278	5151	0.231	ng/ul	92
26) Benzo(g,h,i)perylene	26.20	276	5650	0.208	ng/ul	97

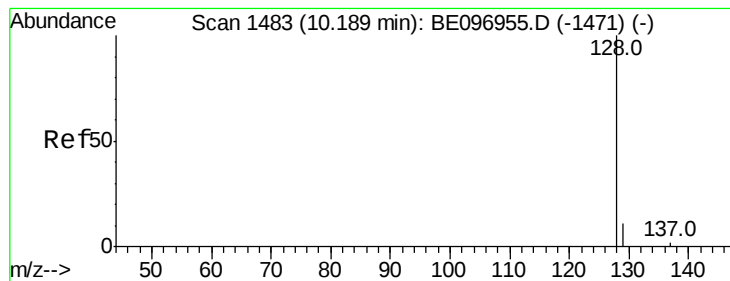
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.202 ng/ul

RT: 10.19 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Instrument :

BNA_E

ClientSampleId :

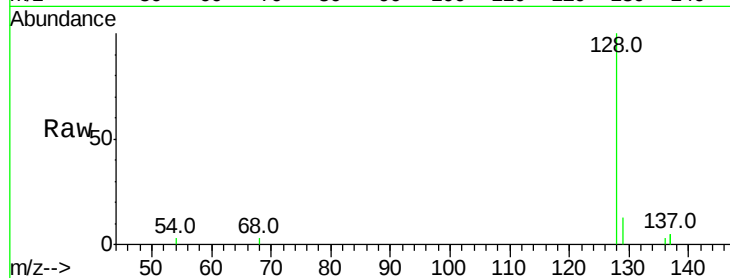
Tot Ion:128 Resp: 3336

Ion Ratio Lower Upper

128 100

129 13.4 11.3 16.9

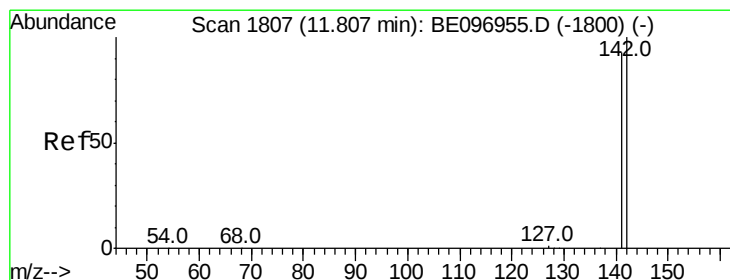
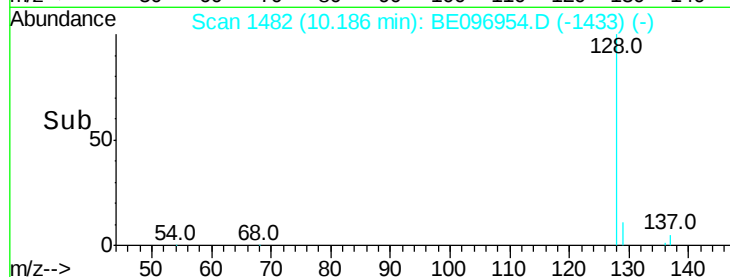
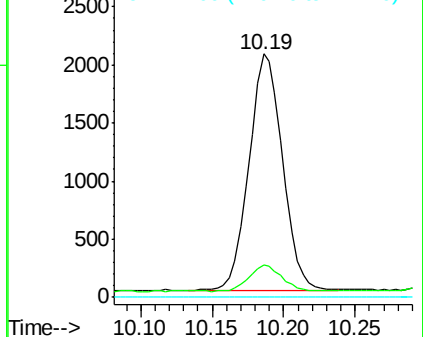
127 0.0 4.0 6.0#



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: 0.192 ng/ul

RT: 11.81 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE096954.D

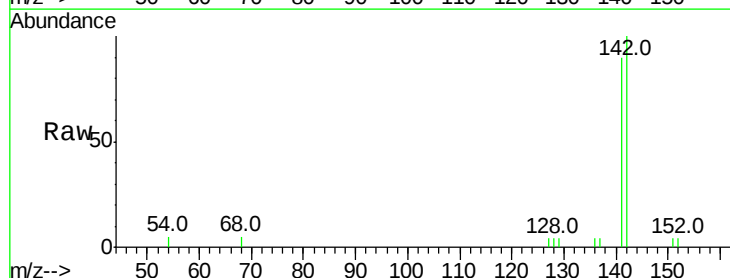
Acq: 17 Jul 2018 11:43

Tgt Ion:142 Resp: 2169

Ion Ratio Lower Upper

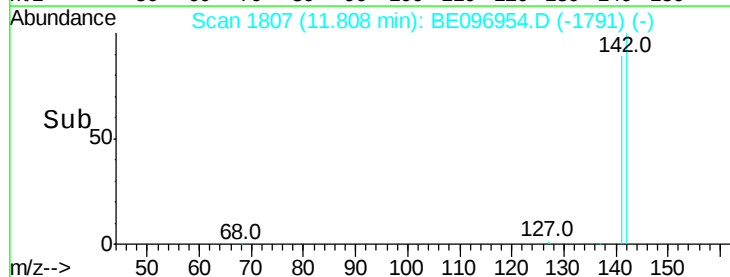
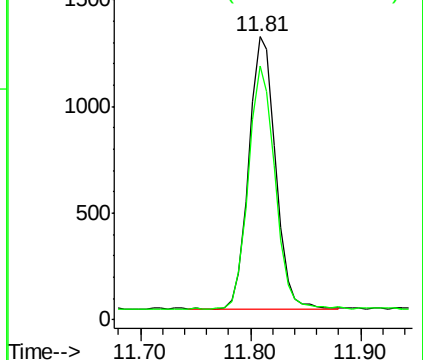
142 100

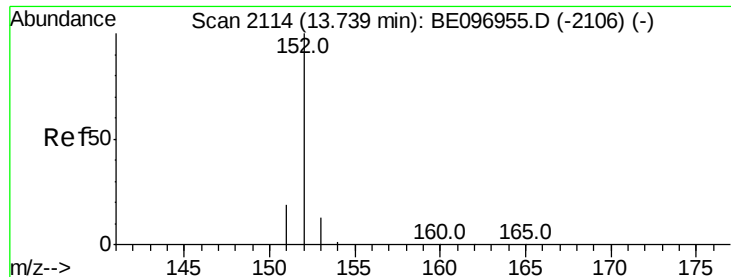
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.211 ng/ul

RT: 13.74 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

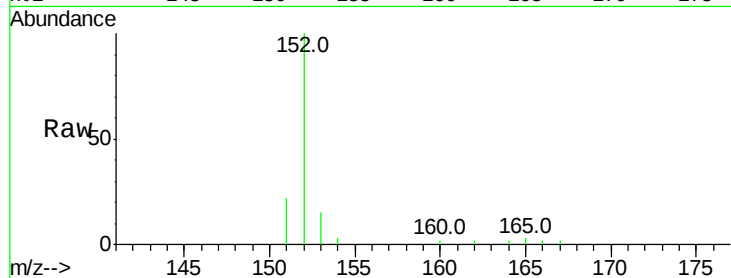
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 3067

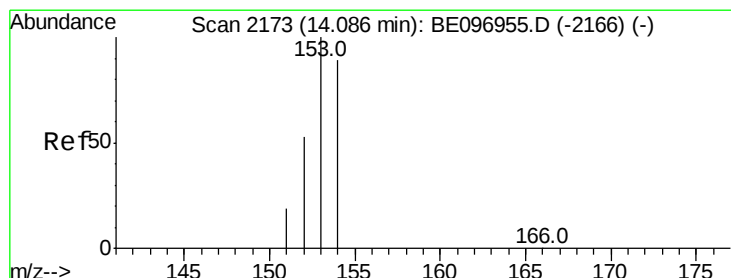
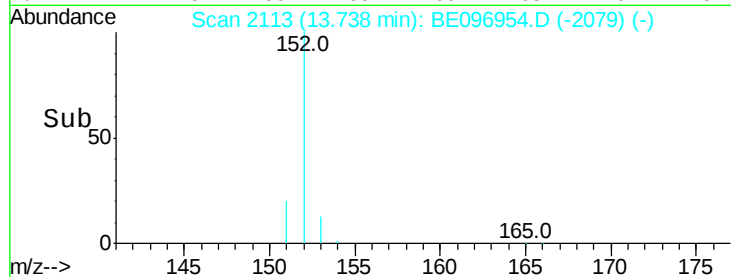
Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.1	25.7
153	15.0	12.8	19.2



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: 0.197 ng/ul

RT: 14.08 min Scan# 2172

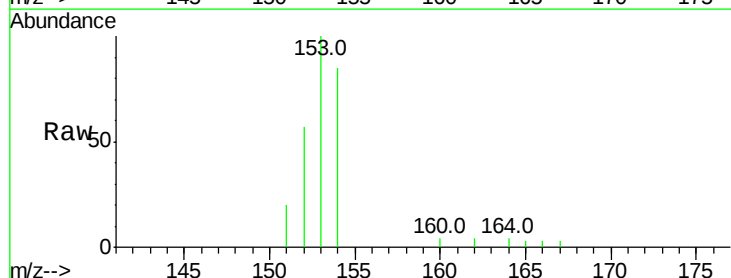
Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Tgt Ion:153 Resp: 2361

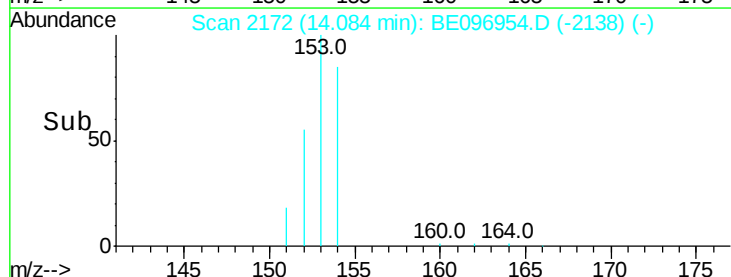
Ion	Ratio	Lower	Upper
153	100		
152	56.6	36.0	54.0#
154	85.3	72.0	108.0

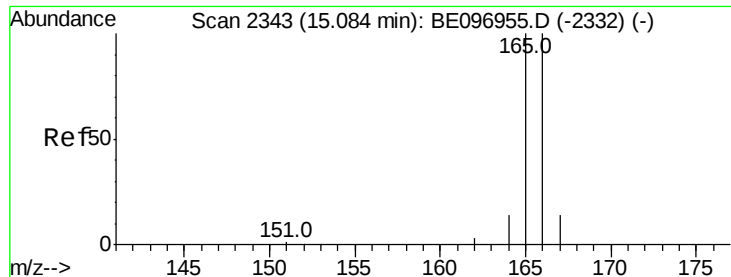


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.202 ng/ul

RT: 15.08 min Scan# 2342

Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Instrument :

BNA_E

ClientSampleId :

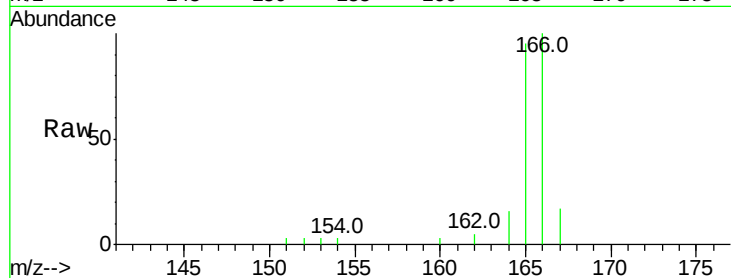
Tot Ion:166 Resp: 2496

Ion Ratio Lower Upper

166 100

165 95.4 73.4 110.2

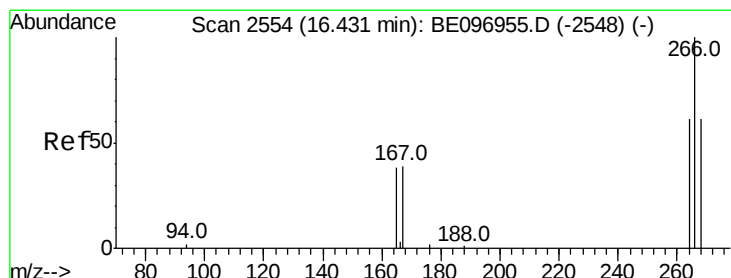
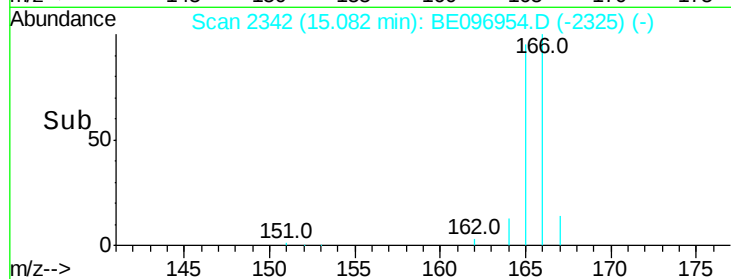
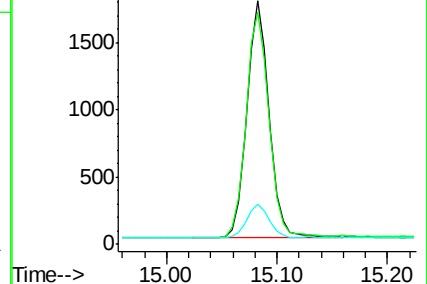
167 16.7 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.316 ng/ul

RT: 16.43 min Scan# 2553

Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

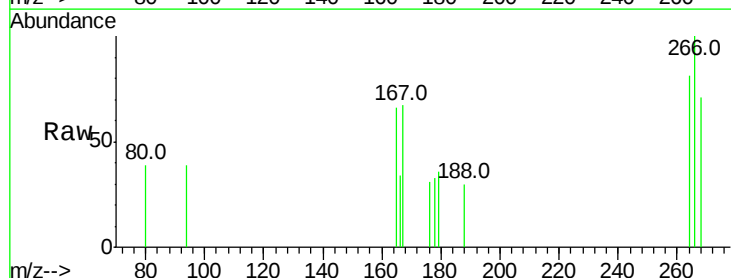
Tgt Ion:266 Resp: 213

Ion Ratio Lower Upper

266 100

264 64.8 47.9 71.9

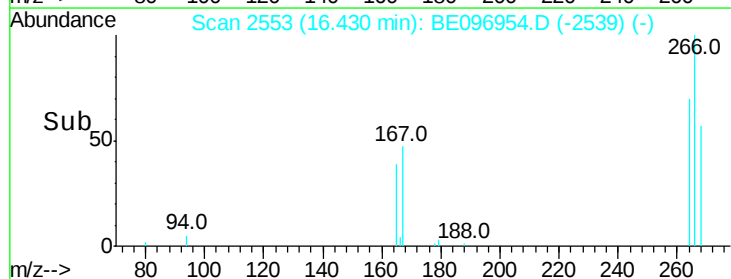
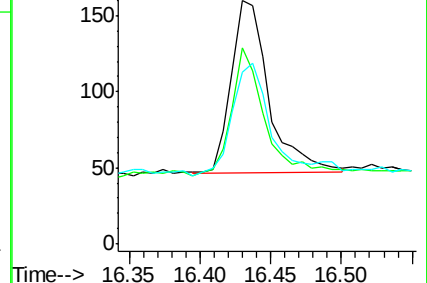
268 68.5 49.8 74.8

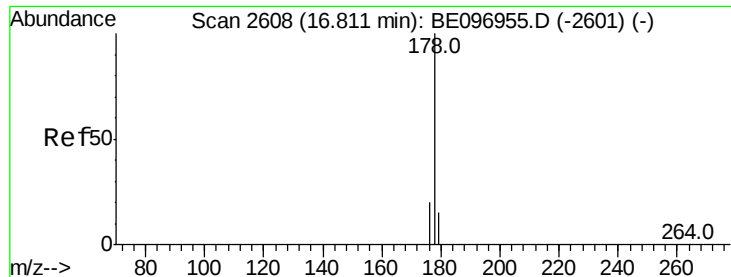


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.204 ng/ul

RT: 16.82 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Instrument :

BNA_E

ClientSampleId :

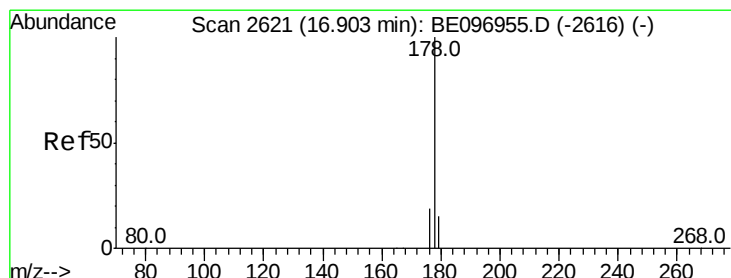
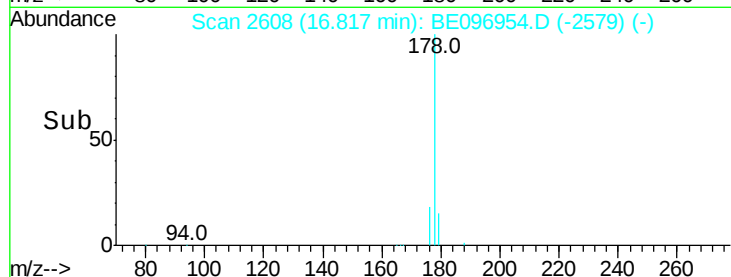
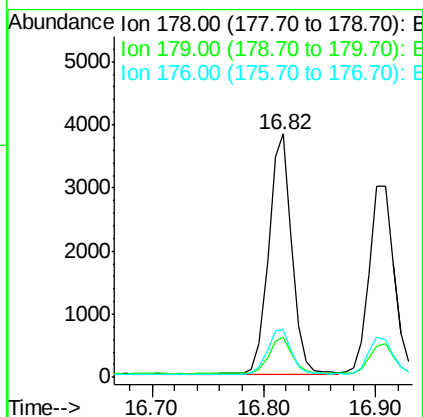
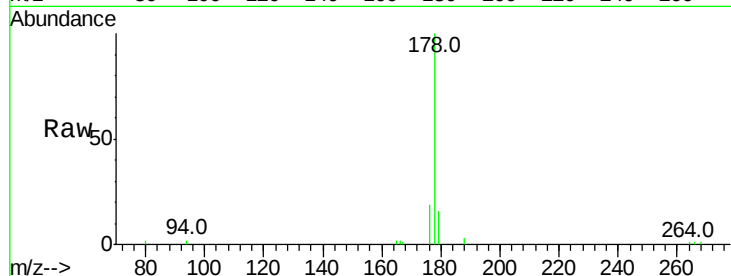
Tot Ion:178 Resp: 5432

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 0.203 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

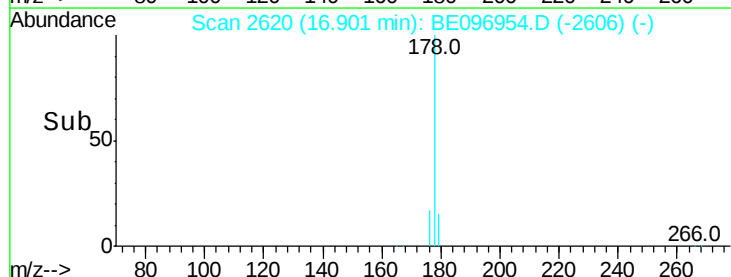
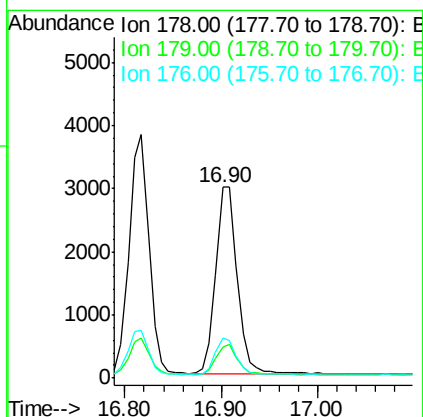
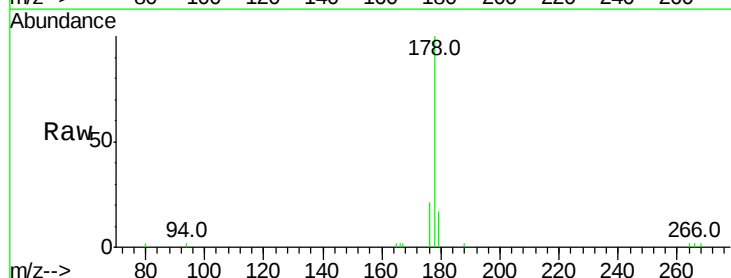
Tgt Ion:178 Resp: 4592

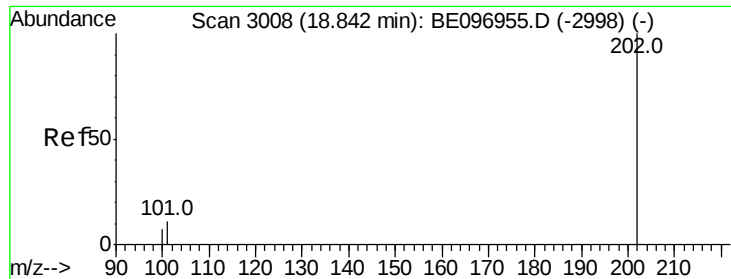
Ion Ratio Lower Upper

178 100

179 16.6 18.1 27.1#

176 20.8 14.7 22.1

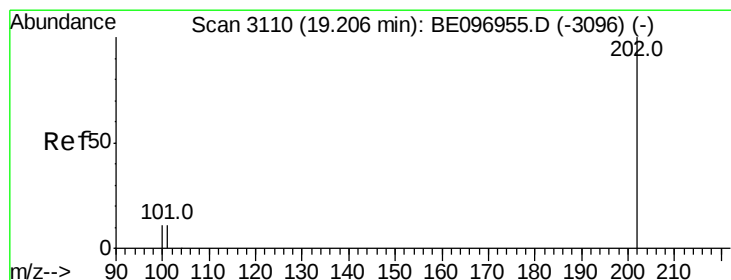
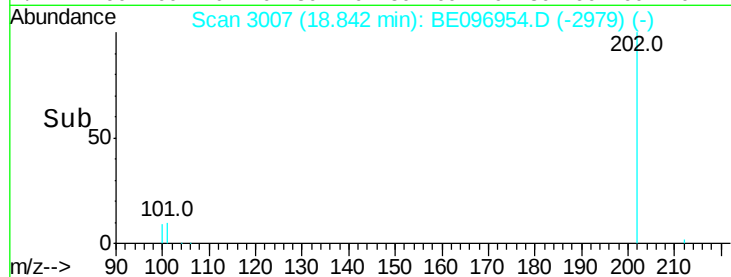
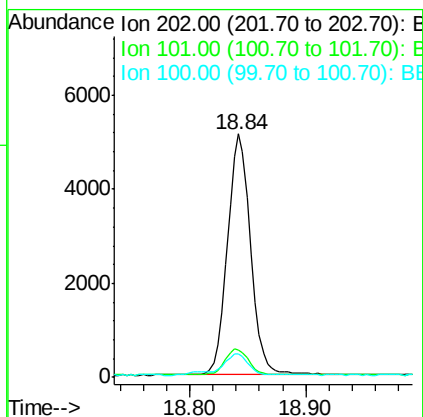
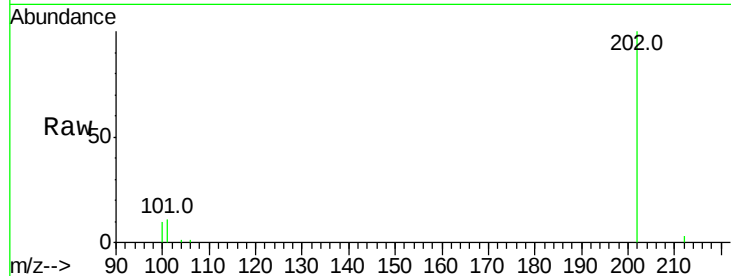




#15
Fluoranthene
 Concen: 0.248 ng/ul
 RT: 18.84 min Scan# 3007
 Delta R.T. -0.00 min
 Lab File: BE096954.D
 Acq: 17 Jul 2018 11:43

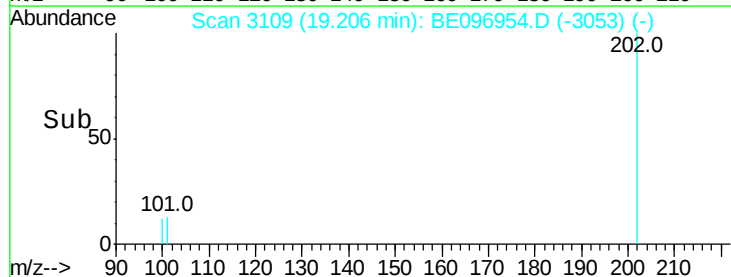
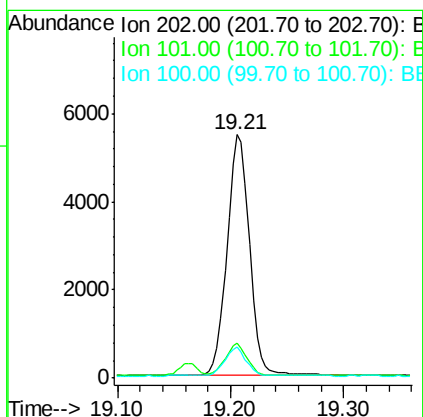
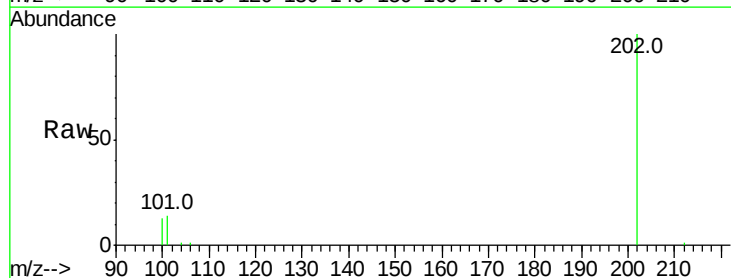
Instrument :
 BNA_E
 ClientSampleId :

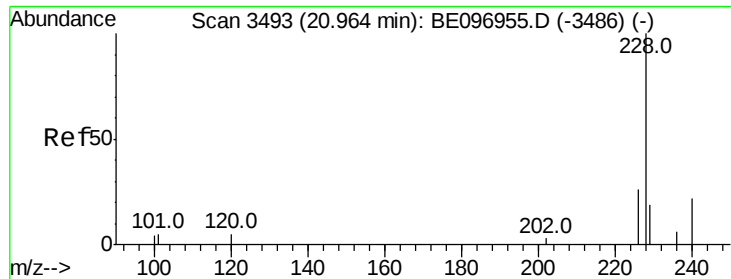
Tot Ion:202 Resp: 7028
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.3
 100 9.5 0.0 39.5



#17
Pyrene
 Concen: 0.187 ng/ul
 RT: 19.21 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BE096954.D
 Acq: 17 Jul 2018 11:43

Tgt Ion:202 Resp: 7539
 Ion Ratio Lower Upper
 202 100
 101 14.4 18.2 27.4#
 100 12.6 15.6 23.4#

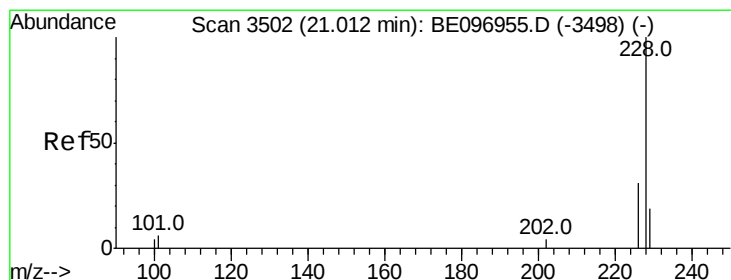
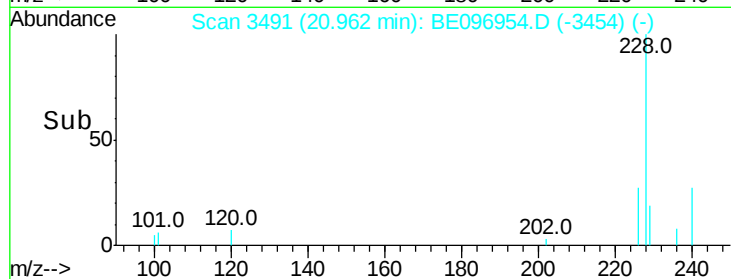
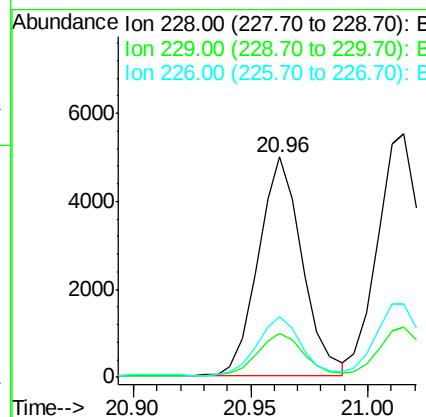
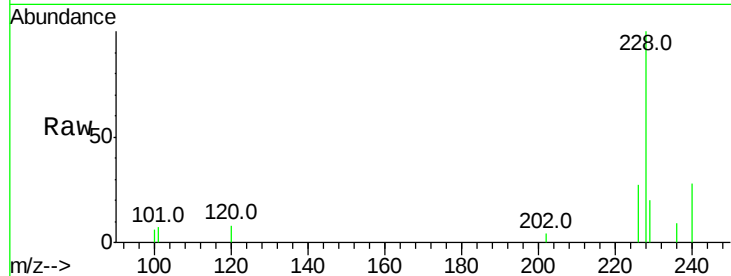




#18
Benzo(a)anthracene
Concen: 0.222 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: BE096954.D
Acq: 17 Jul 2018 11:43

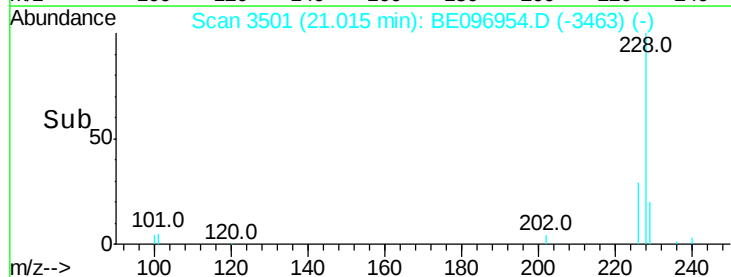
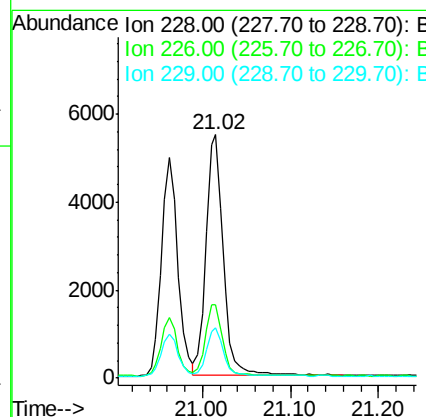
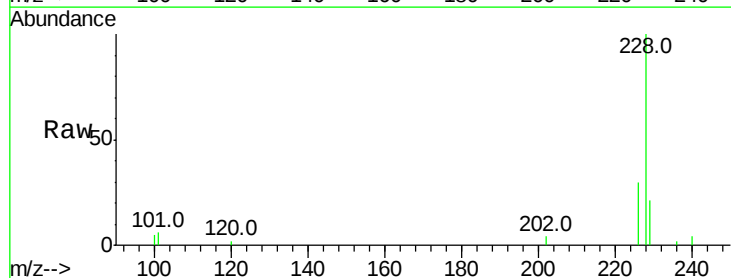
Instrument :
BNA_E
ClientSampleId :

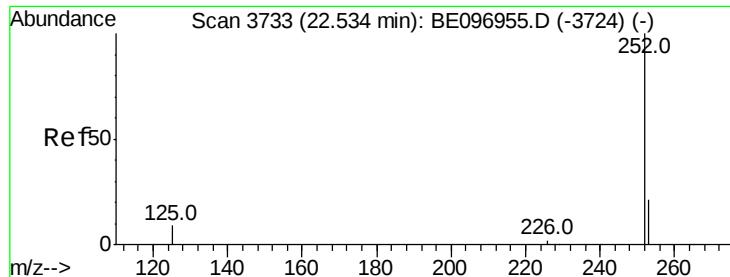
Tot Ion:228 Resp: 6435
Ion Ratio Lower Upper
228 100
229 19.9 22.8 34.2#
226 27.3 17.0 25.6#



#19
Chrysene
Concen: 0.201 ng/ul
RT: 21.02 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BE096954.D
Acq: 17 Jul 2018 11:43

Tgt Ion:228 Resp: 7559
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 20.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.203 ng/ul

RT: 22.54 min Scan# 3732

Delta R.T. 0.01 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Instrument :

BNA_E

ClientSampleId :

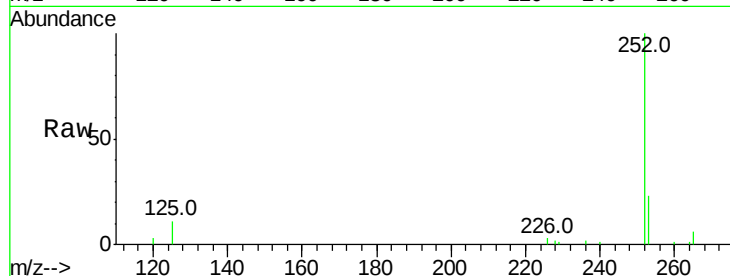
Tot Ion:252 Resp: 6488

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

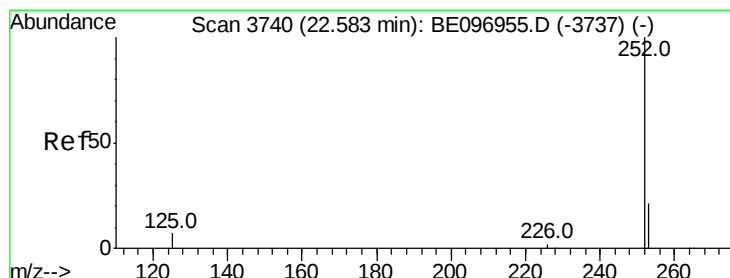
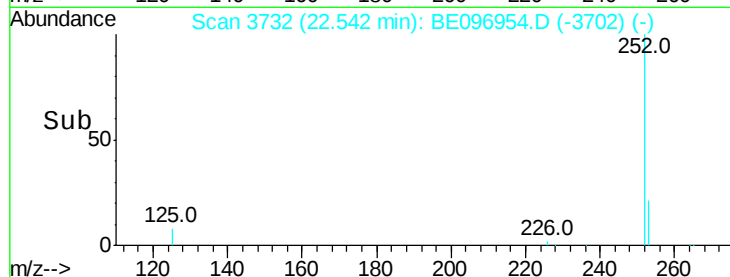
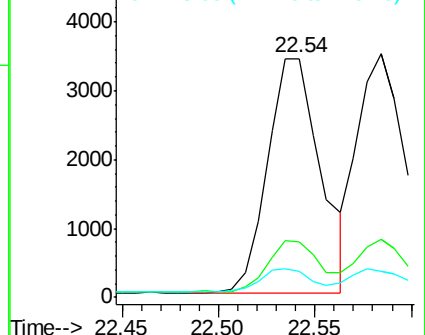
125 10.7 0.0 35.0



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: 0.186 ng/ul

RT: 22.58 min Scan# 3738

Delta R.T. 0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

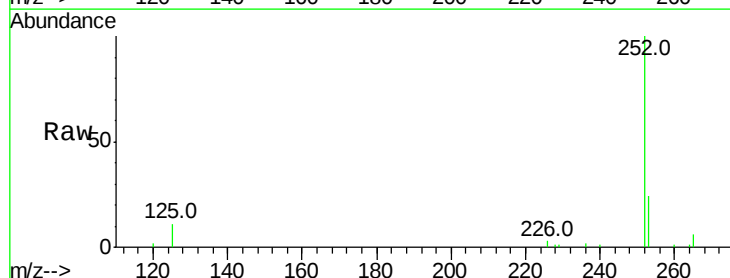
Tgt Ion:252 Resp: 6481

Ion Ratio Lower Upper

252 100

253 23.7 24.5 36.7#

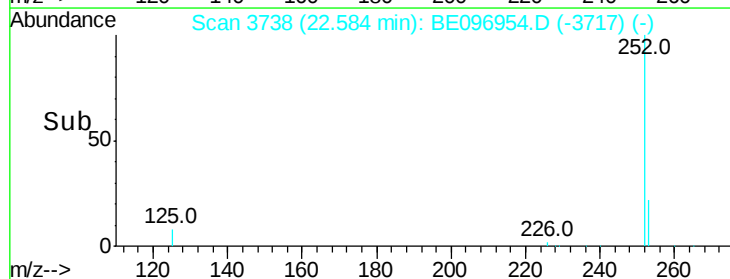
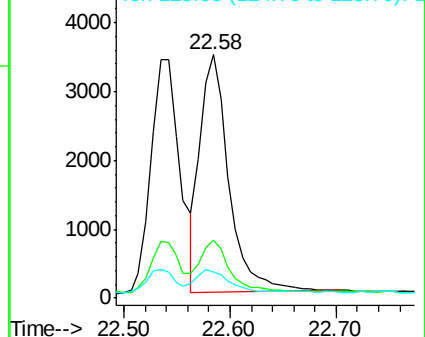
125 10.9 13.7 20.5#

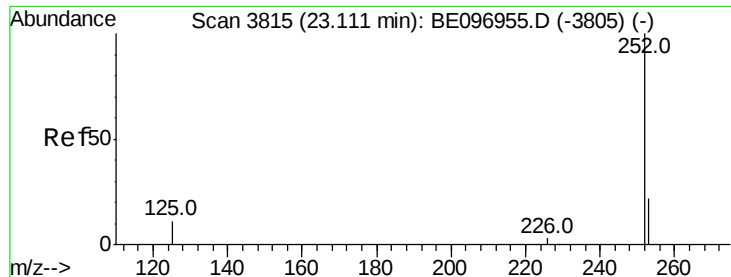


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.208 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

Instrument :

BNA_E

ClientSampleId :

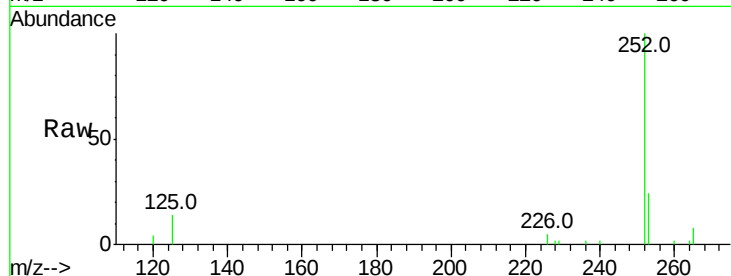
Tot Ion:252 Resp: 5625

Ion Ratio Lower Upper

252 100

253 24.3 28.5 42.7#

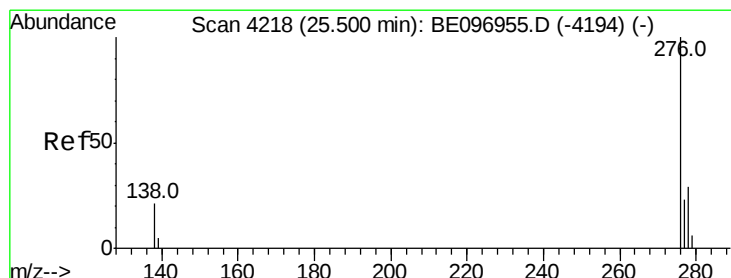
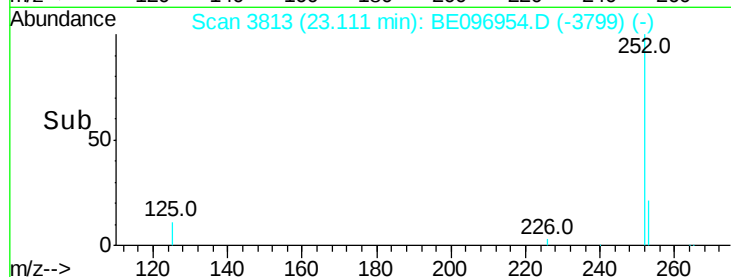
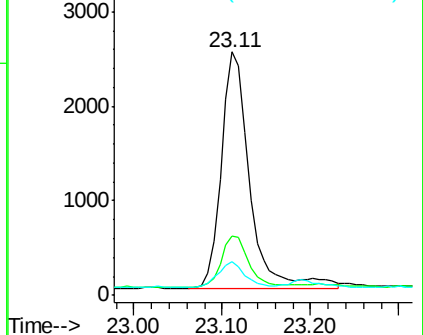
125 14.1 18.1 27.1#



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: 0.221 ng/ul

RT: 25.50 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BE096954.D

Acq: 17 Jul 2018 11:43

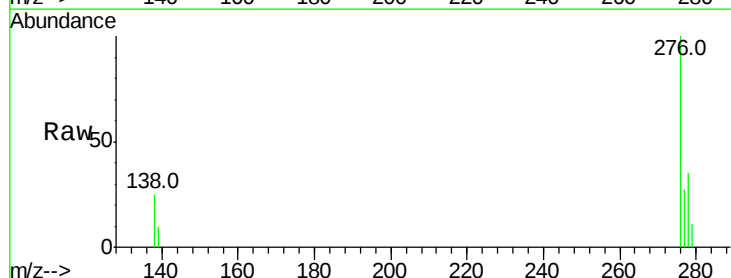
Tgt Ion:276 Resp: 6194

Ion Ratio Lower Upper

276 100

138 24.5 28.0 42.0#

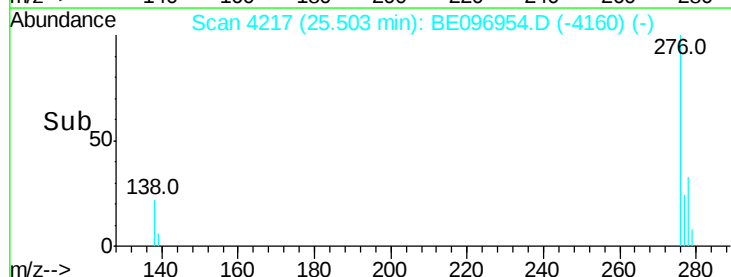
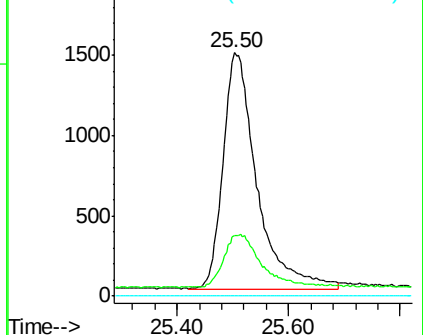
227 0.0 8.0 12.0#

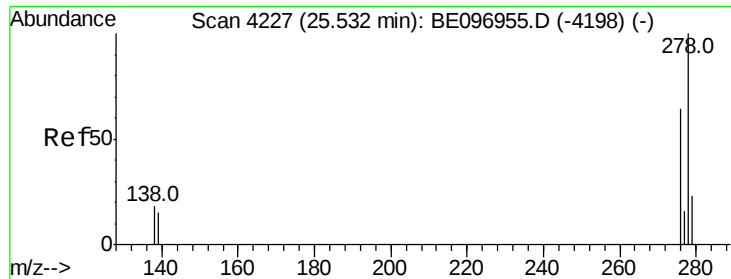


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

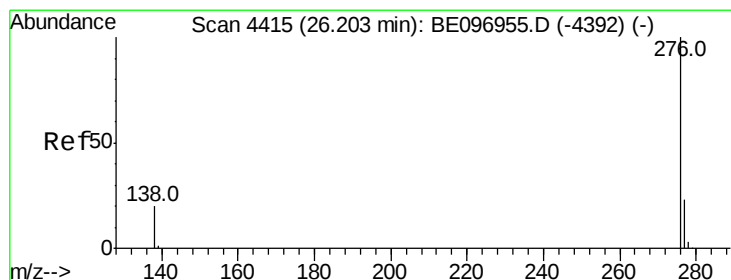
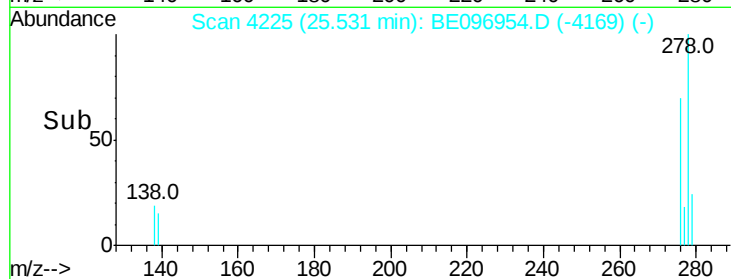
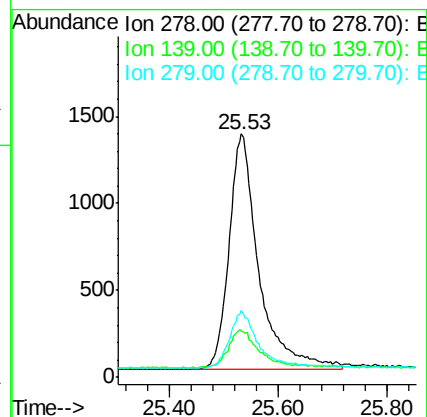
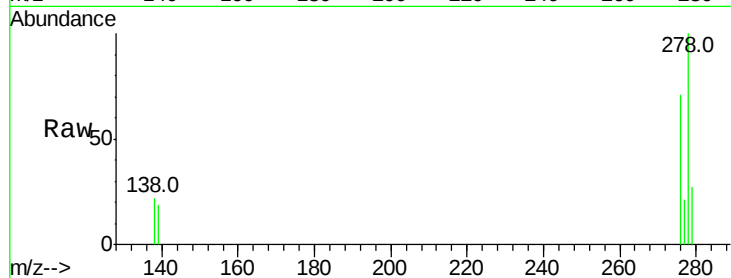




#25
Dibenzo(a,h)anthracene
Concen: 0.231 ng/ul
RT: 25.53 min Scan# 4225
Delta R.T. -0.00 min
Lab File: BE096954.D
Acq: 17 Jul 2018 11:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 5151
Ion Ratio Lower Upper
278 100
139 18.9 17.4 26.0
279 27.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.208 ng/ul
RT: 26.20 min Scan# 4412
Delta R.T. -0.00 min
Lab File: BE096954.D
Acq: 17 Jul 2018 11:43

Tgt Ion:276 Resp: 5650
Ion Ratio Lower Upper
276 100
138 24.9 21.8 32.8
277 25.4 20.5 30.7

