

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096060.D
 Acq On : 21 Apr 2018 2:38
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.445

Quant Time: Apr 21 03:59:49 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 21 01:28:31 2018
 Response via : Initial Calibration

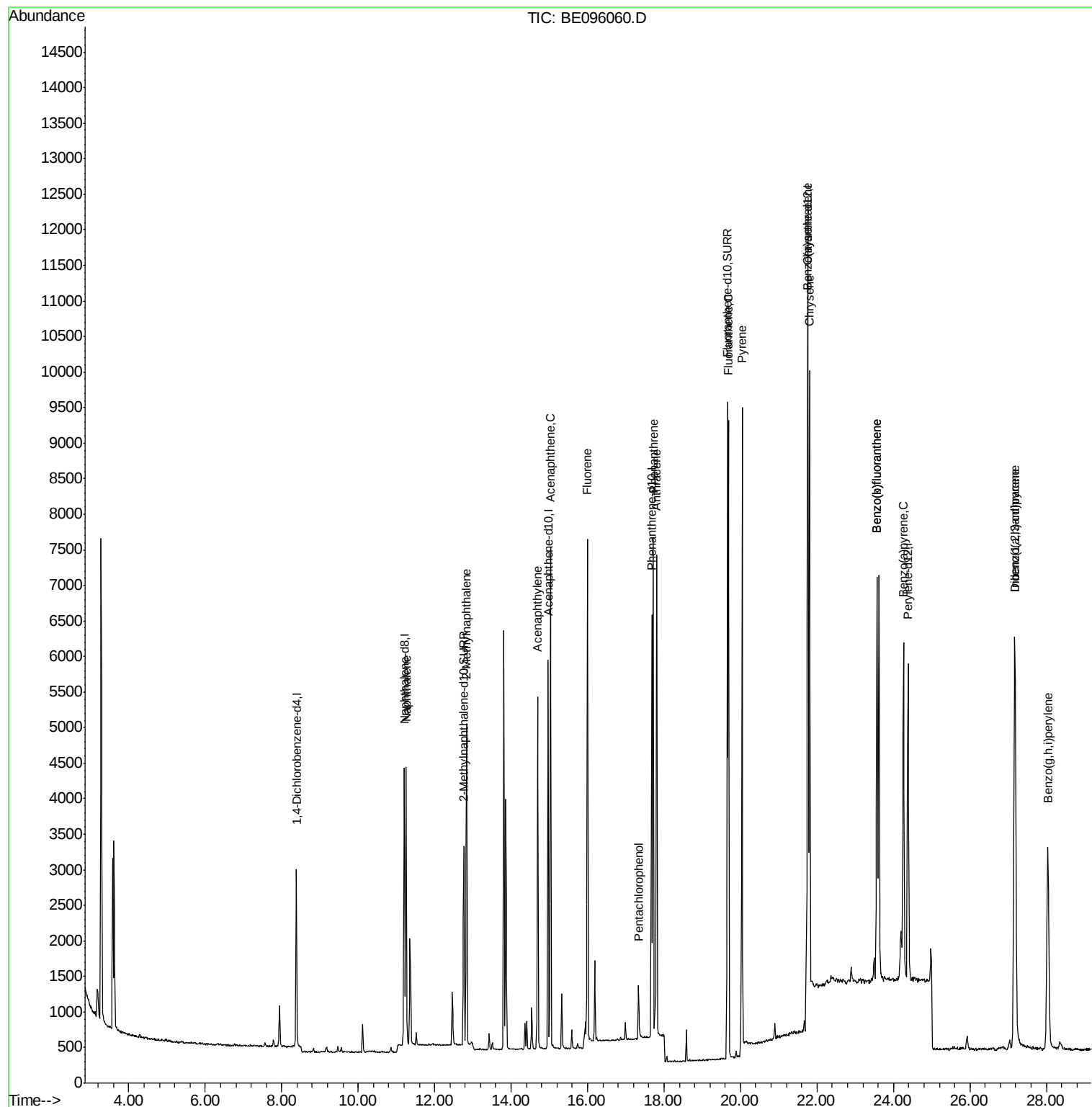
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1927	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	5177	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	2997	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	6993	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	8334	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	6772	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	3628	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	9998	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.25	128	5319	0.368	ng/ul#	88
5) 2-Methylnaphthalene	12.83	142	3728	0.380	ng/ul	100
7) Acenaphthylene	14.70	152	5671	0.365	ng/ul	98
8) Acenaphthene	15.03	153	4143	0.372	ng/ul	96
9) Fluorene	15.99	166	4609	0.366	ng/ul#	89
11) Pentachlorophenol	17.33	266	427	0.288	ng/ul	97
12) Phenanthrene	17.72	178	7589	0.368	ng/ul#	88
13) Anthracene	17.80	178	7453	0.363	ng/ul#	90
15) Fluoranthene	19.68	202	9771	0.348	ng/ul	85
17) Pyrene	20.04	202	10755	0.380	ng/ul#	80
18) Benzo(a)anthracene	21.74	228	12126	0.360	ng/ul#	85
19) Chrysene	21.81	228	8483	0.350	ng/ul	97
21) Benzo(b)fluoranthene	23.57	252	8255	0.377	ng/ul	89
22) Benzo(k)fluoranthene	23.57	252	8231	0.377	ng/ul	91
23) Benzo(a)pyrene	24.26	252	7889	0.373	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	27.17	276	8780	0.374	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.18	278	7090	0.375	ng/ul	93
26) Benzo(g,h,i)perylene	28.04	276	7344	0.374	ng/ul	95

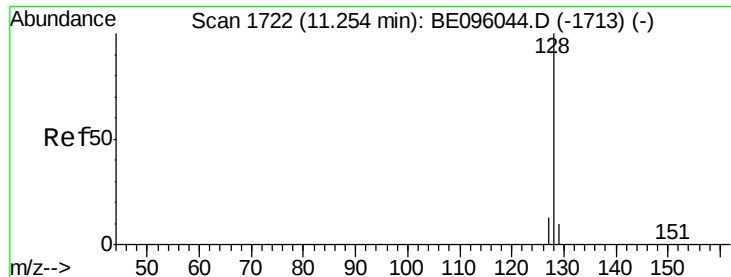
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.368 ng/ul

RT: 11.25 min Scan# 1721

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

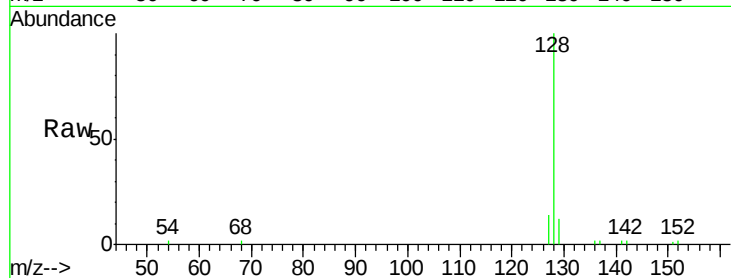
Tot Ion:128 Resp: 5319

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

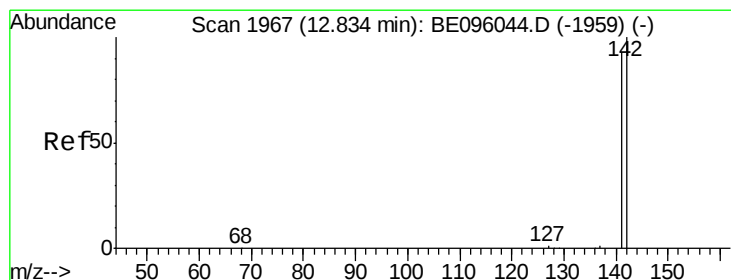
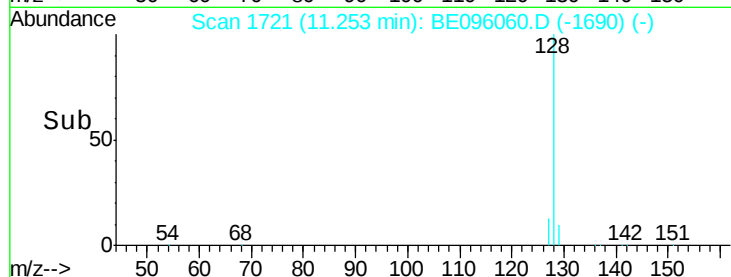
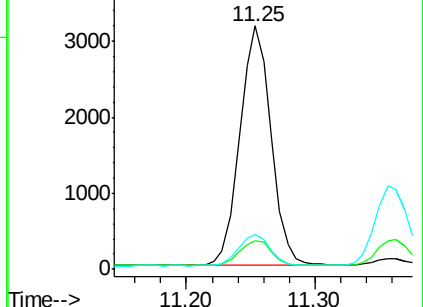
127 14.3 4.0 6.0#



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: 0.380 ng/ul

RT: 12.83 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BE096060.D

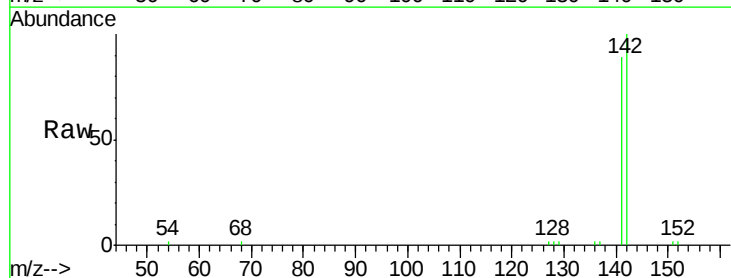
Acq: 21 Apr 2018 2:38

Tgt Ion:142 Resp: 3728

Ion Ratio Lower Upper

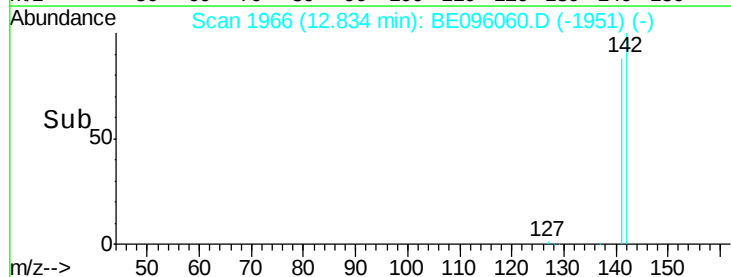
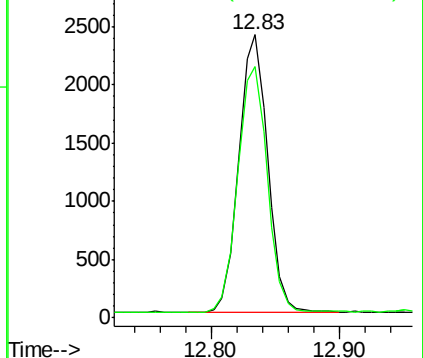
142 100

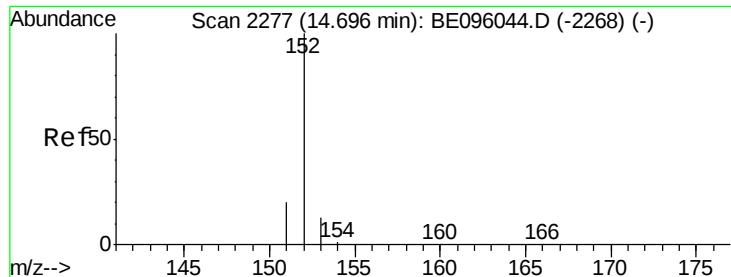
141 90.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.365 ng/ul

RT: 14.70 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

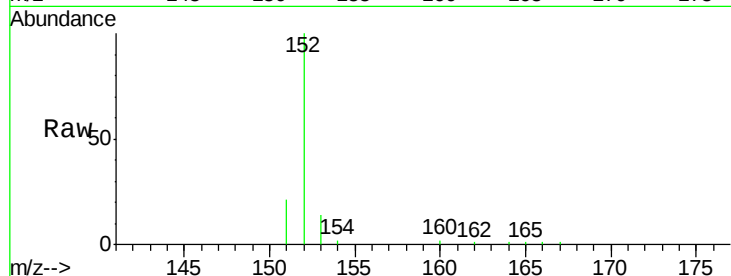
Tot Ion:152 Resp: 5671

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

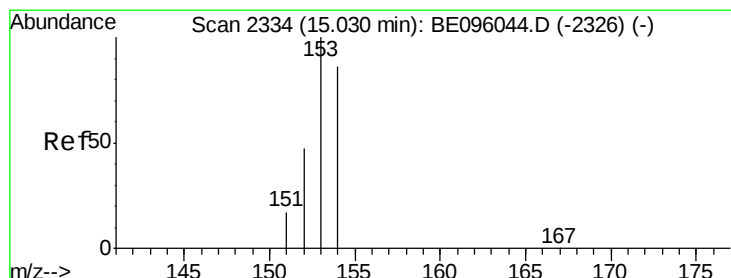
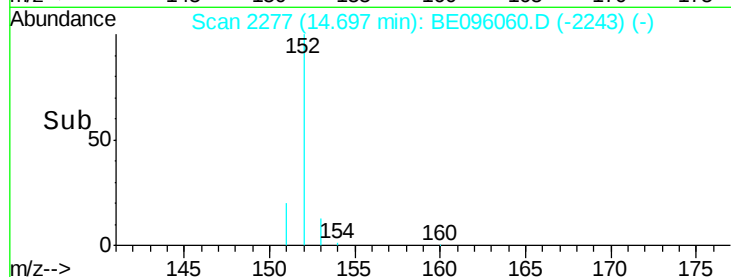
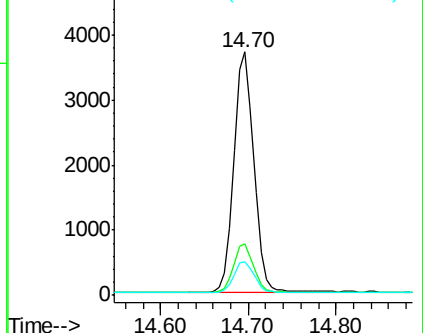
153 14.1 12.8 19.2



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: 0.372 ng/ul

RT: 15.03 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

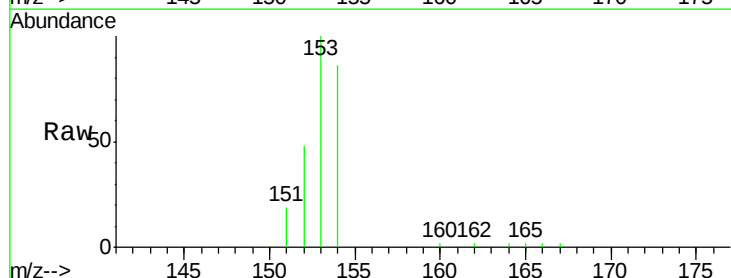
Tgt Ion:153 Resp: 4143

Ion Ratio Lower Upper

153 100

152 48.4 36.0 54.0

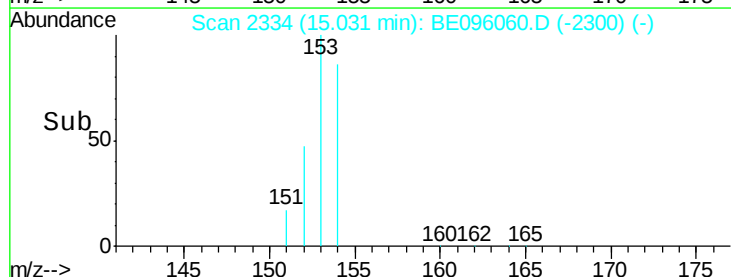
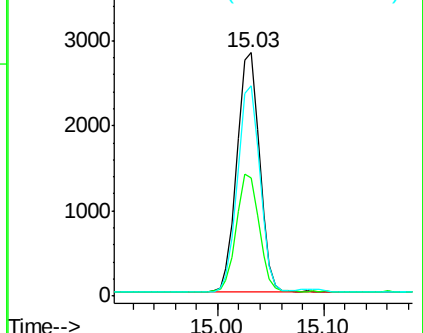
154 86.2 72.0 108.0

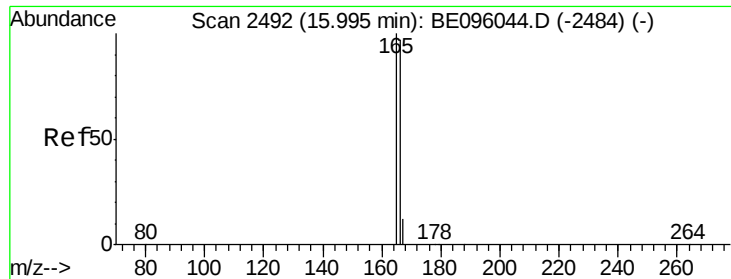


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.366 ng/ul

RT: 15.99 min Scan# 2492

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

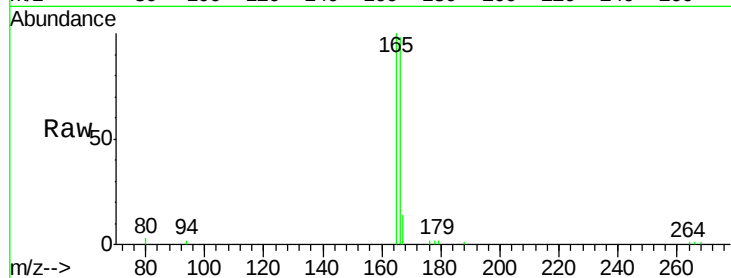
Tot Ion:166 Resp: 4609

Ion Ratio Lower Upper

166 100

165 102.3 73.4 110.2

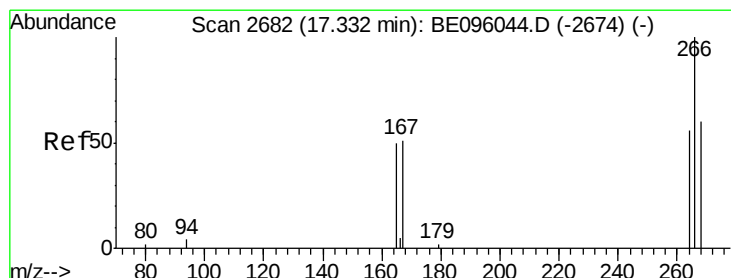
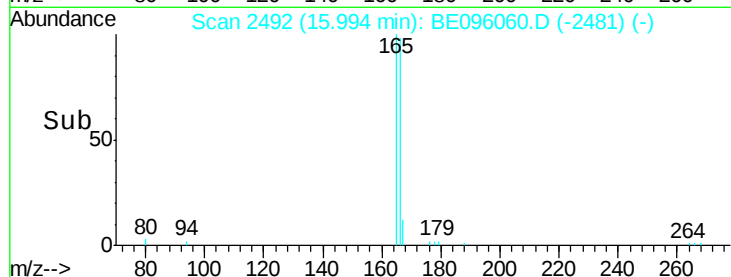
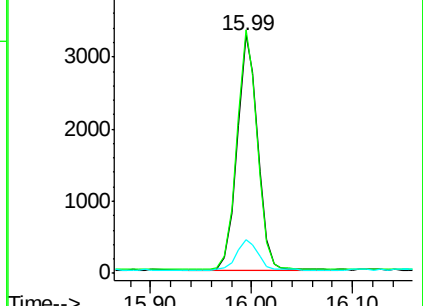
167 14.1 14.6 22.0#



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: 0.288 ng/ul

RT: 17.33 min Scan# 2682

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

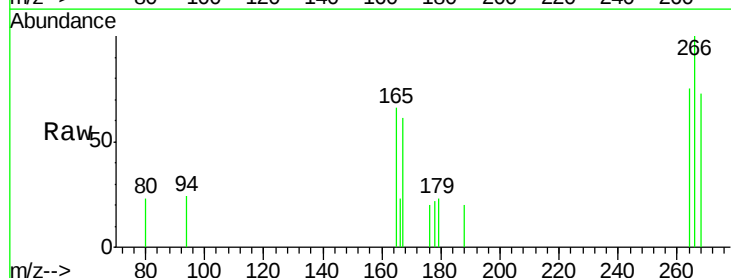
Tgt Ion:266 Resp: 427

Ion Ratio Lower Upper

266 100

264 61.1 47.9 71.9

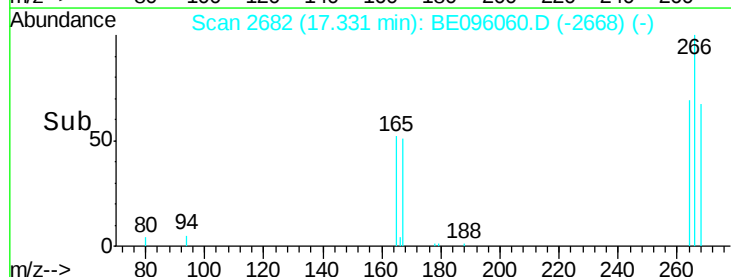
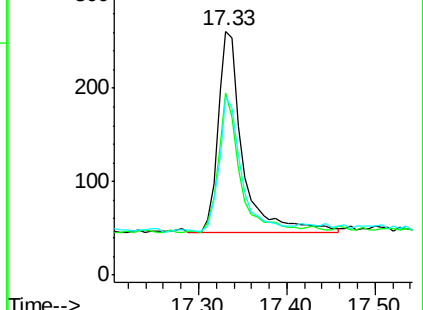
268 59.5 49.8 74.8

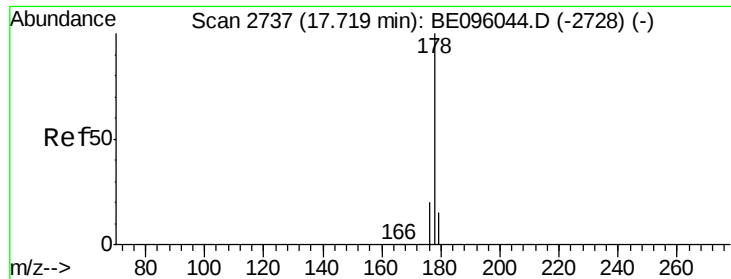


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.368 ng/ul

RT: 17.72 min Scan# 2737

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

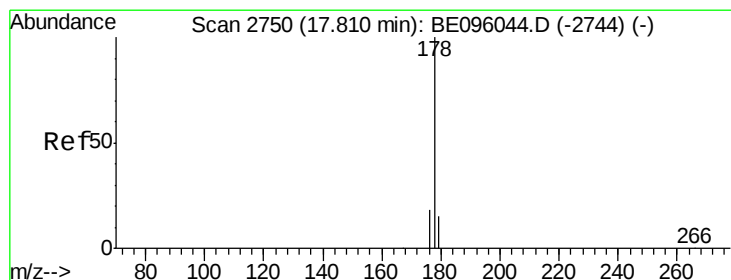
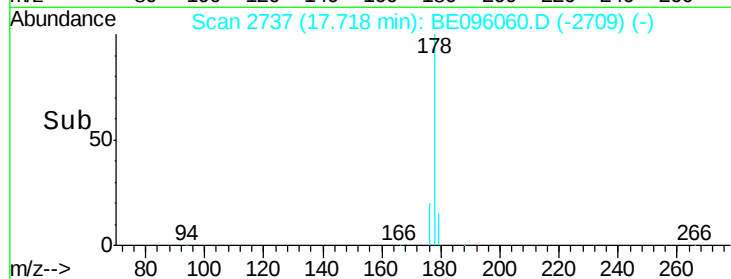
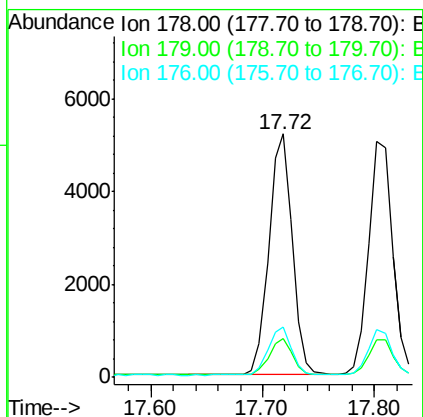
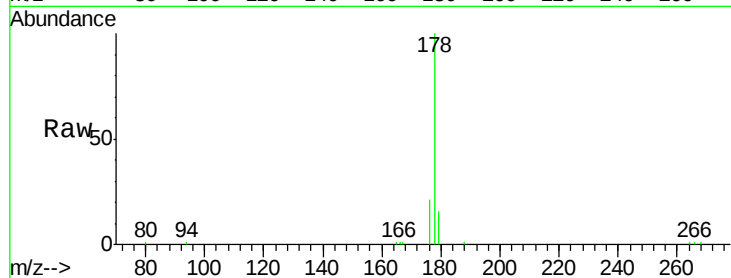
Tot Ion:178 Resp: 7589

Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.363 ng/ul

RT: 17.80 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

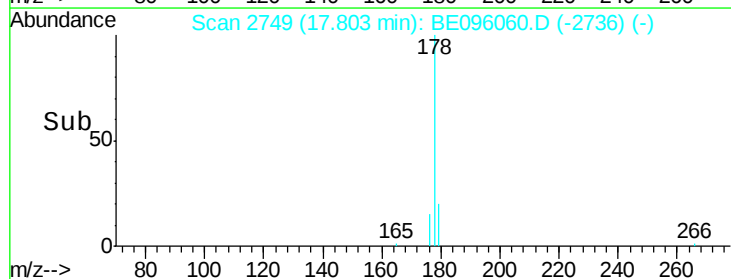
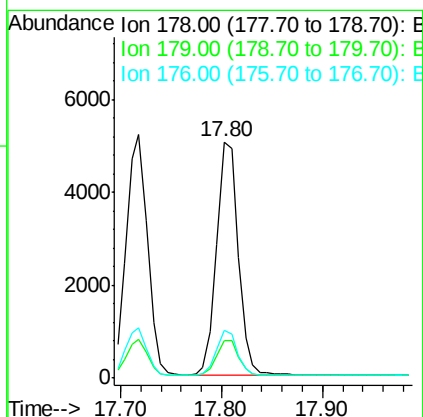
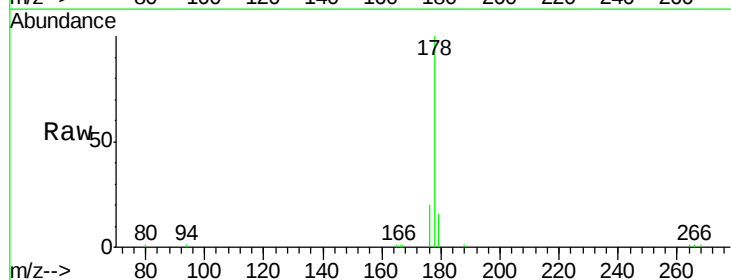
Tgt Ion:178 Resp: 7453

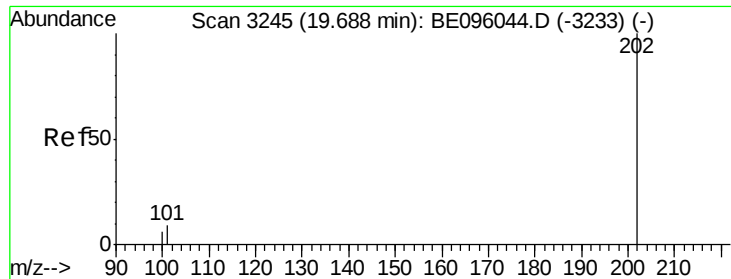
Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 0.348 ng/ul

RT: 19.68 min Scan# 3244

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

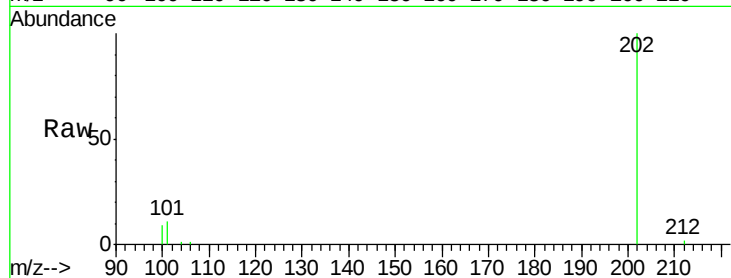
Tot Ion:202 Resp: 9771

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

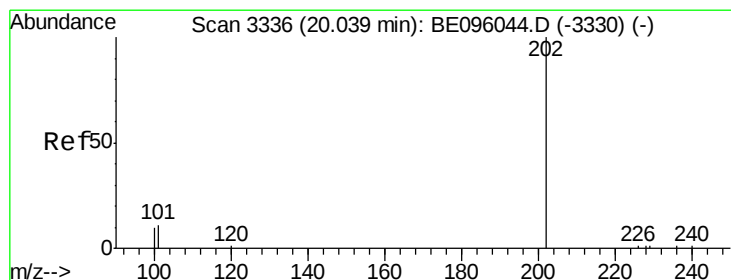
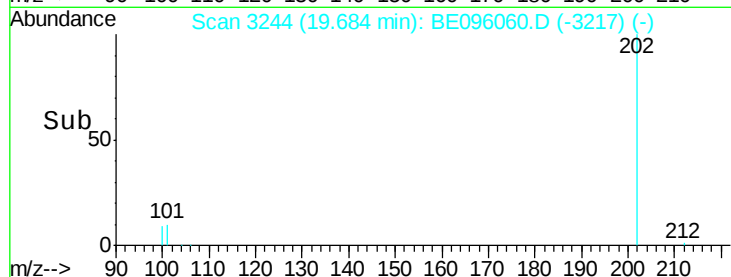
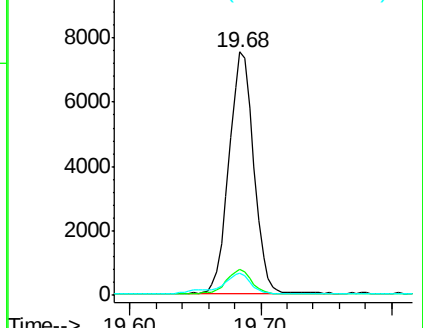
100 9.1 0.0 39.5



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: 0.380 ng/ul

RT: 20.04 min Scan# 3336

Delta R.T. 0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

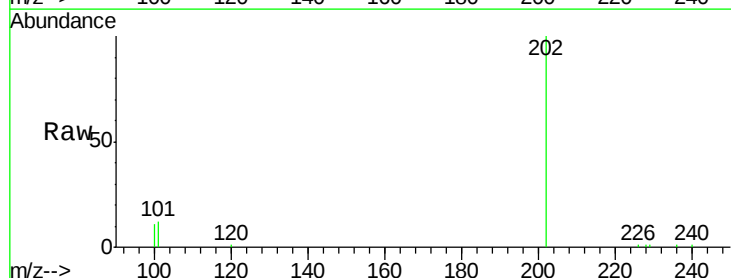
Tgt Ion:202 Resp: 10755

Ion Ratio Lower Upper

202 100

101 12.2 18.2 27.4#

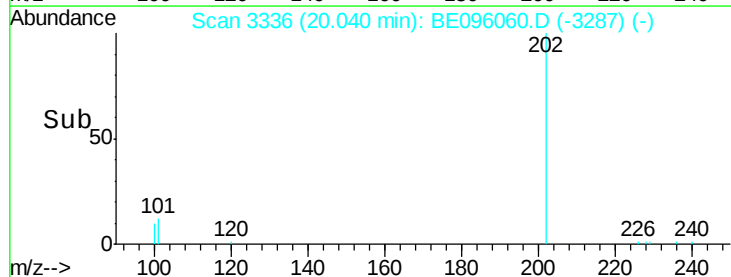
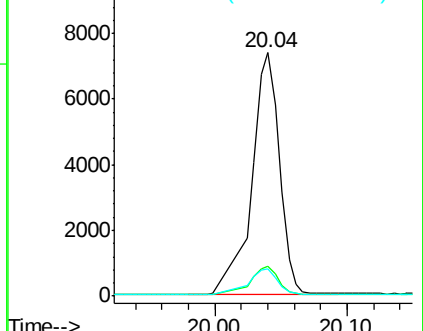
100 11.0 15.6 23.4#

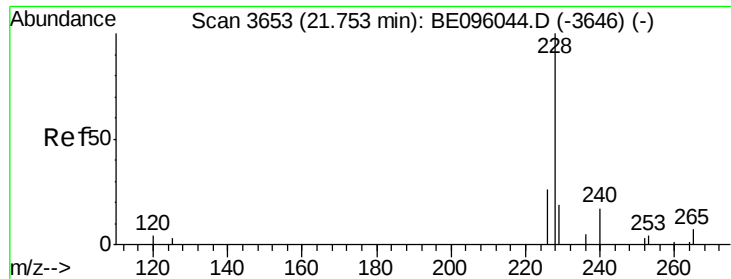


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.360 ng/ul

RT: 21.74 min Scan# 3652

Delta R.T. -0.01 min

Lab File: BE096060.D

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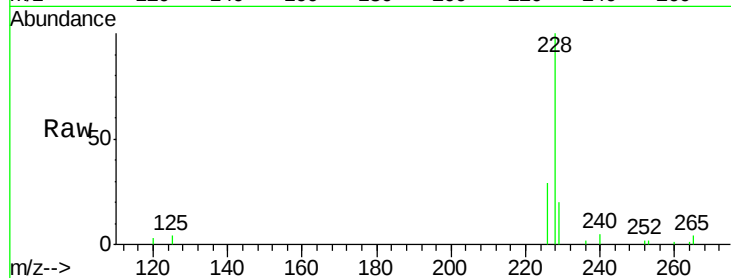
Tot Ion:228 Resp: 12126

Ion Ratio Lower Upper

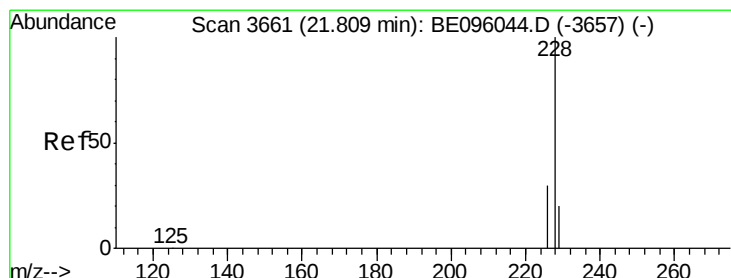
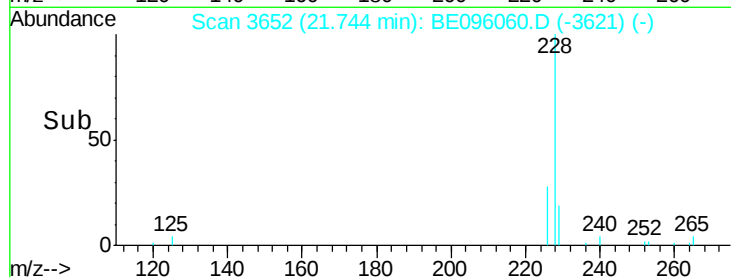
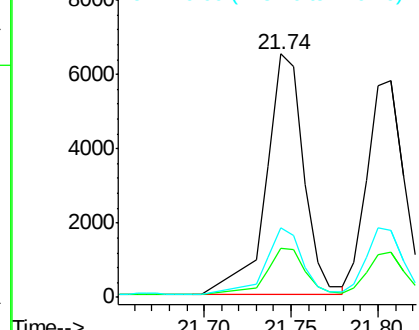
228 100

229 20.3 22.8 34.2#

226 28.6 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: 0.350 ng/ul

RT: 21.81 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

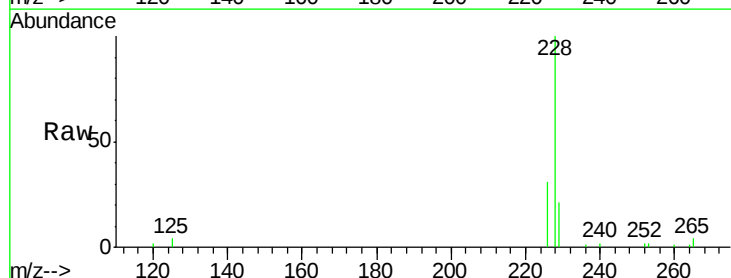
Tgt Ion:228 Resp: 8483

Ion Ratio Lower Upper

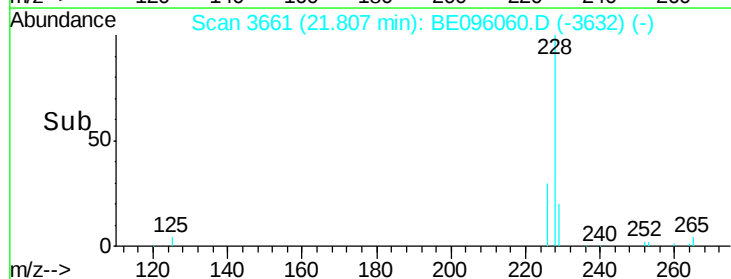
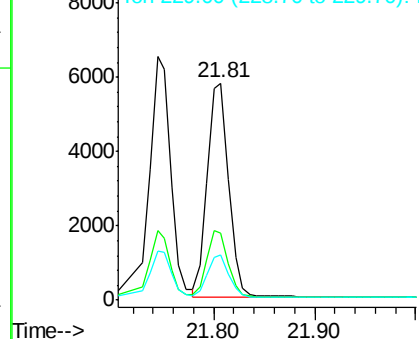
228 100

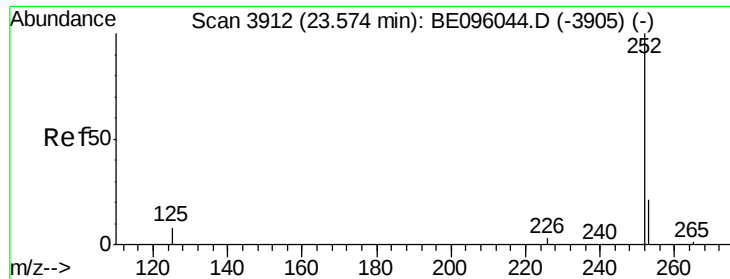
226 30.8 23.4 35.0

229 21.1 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: 0.377 ng/ul

RT: 23.57 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

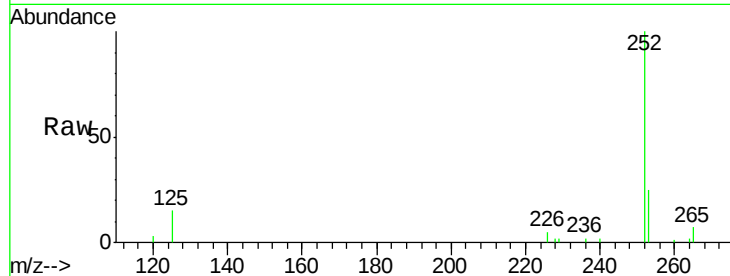
Tot Ion:252 Resp: 8255

Ion Ratio Lower Upper

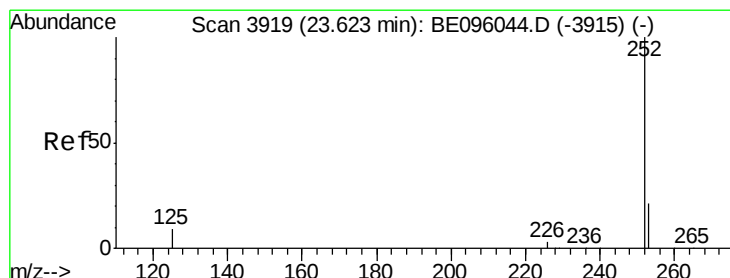
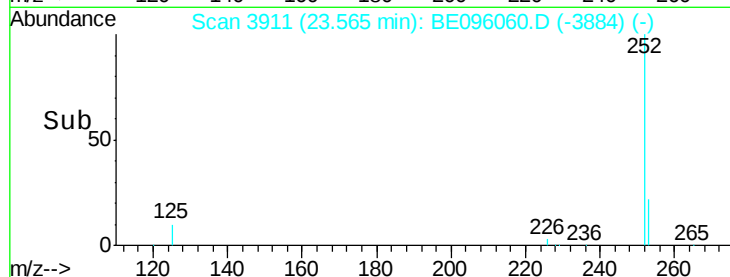
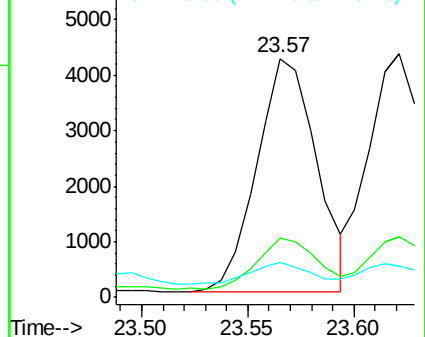
252 100

253 24.8 0.0 64.2

125 14.8 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: 0.377 ng/ul

RT: 23.57 min Scan# 3911

Delta R.T. -0.06 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

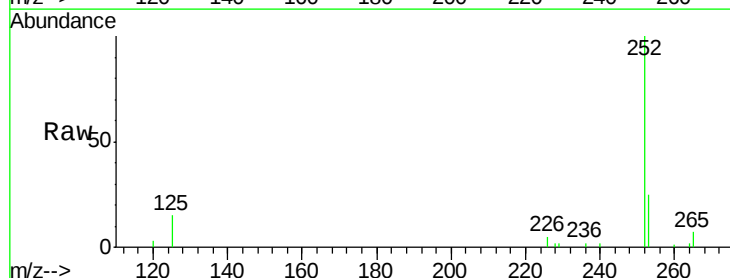
Tgt Ion:252 Resp: 8231

Ion Ratio Lower Upper

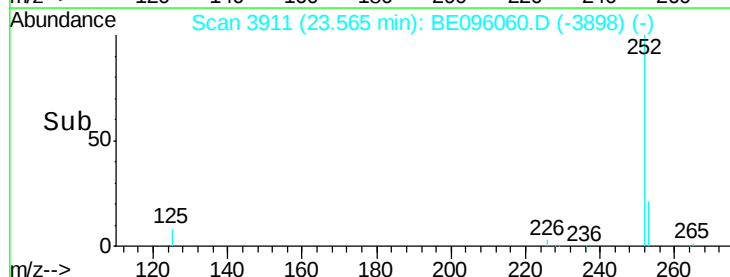
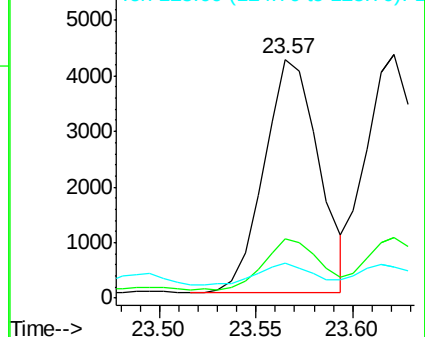
252 100

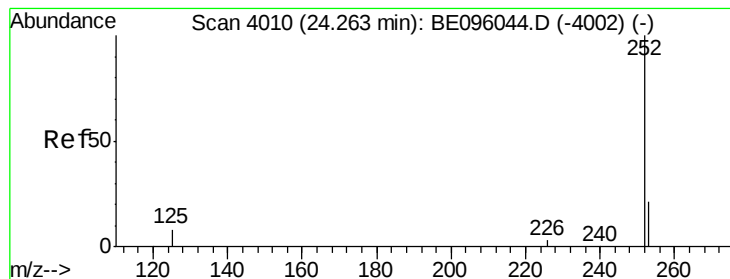
253 24.8 24.5 36.7

125 14.8 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: 0.373 ng/ul

RT: 24.26 min Scan# 4010

Delta R.T. -0.00 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

Instrument :

BNA_E

ClientSampleId :

SSTD0.445

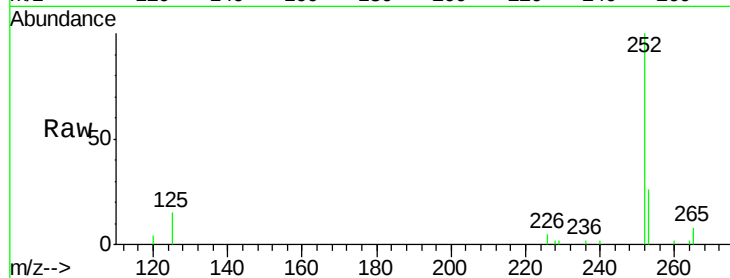
Tot Ion:252 Resp: 7889

Ion Ratio Lower Upper

252 100

253 25.7 28.5 42.7#

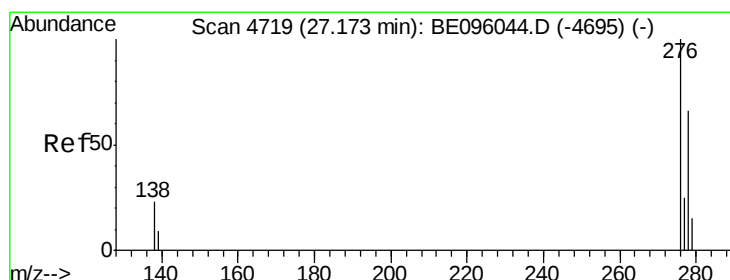
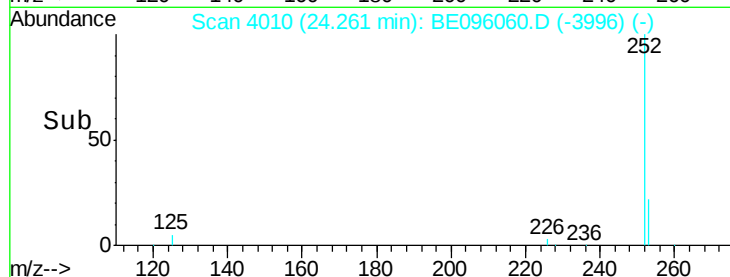
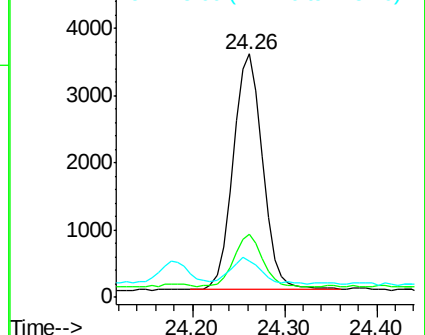
125 15.0 18.1 27.1#



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: 0.374 ng/ul

RT: 27.17 min Scan# 4717

Delta R.T. -0.01 min

Lab File: BE096060.D

Acq: 21 Apr 2018 2:38

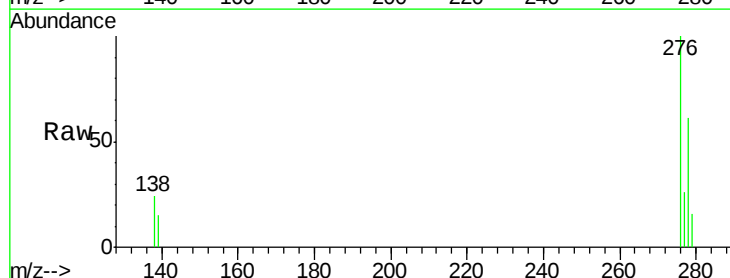
Tgt Ion:276 Resp: 8780

Ion Ratio Lower Upper

276 100

138 22.2 28.0 42.0#

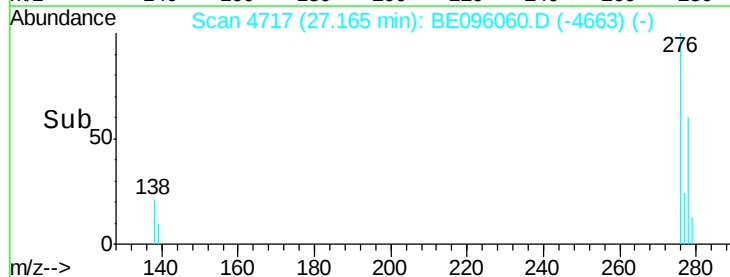
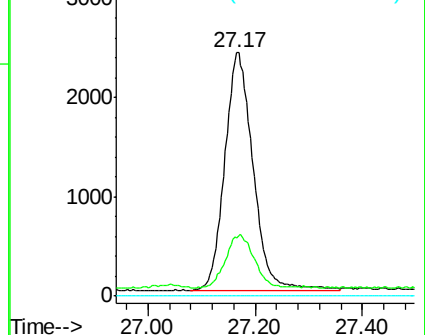
227 0.0 8.0 12.0#

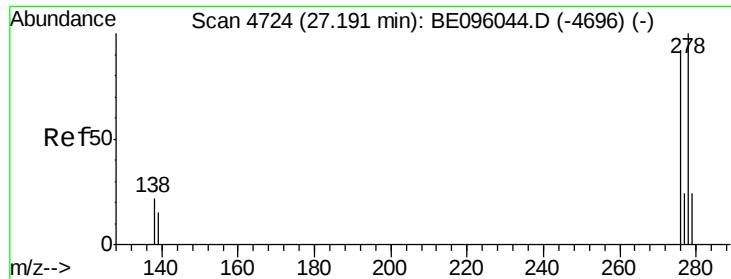


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



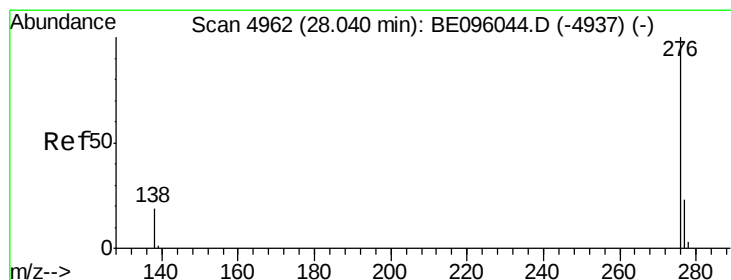
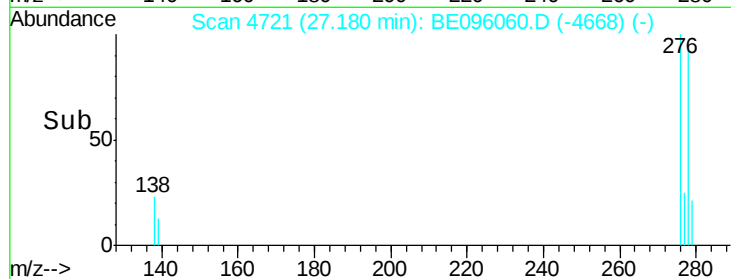
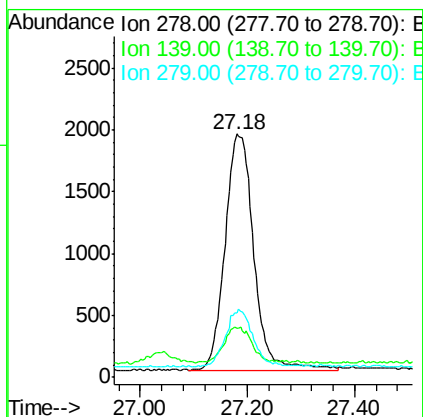
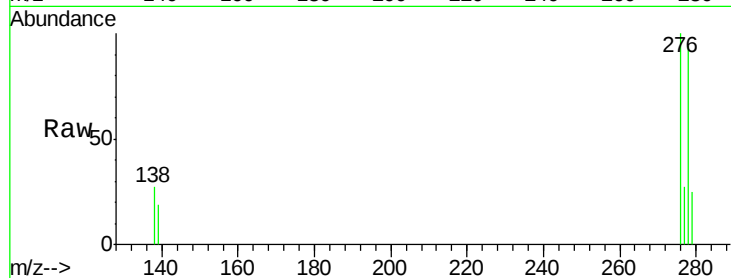


#25
Dibenzo(a,h)anthracene
Concen: 0.375 ng/ul
RT: 27.18 min Scan# 4721
Delta R.T. -0.01 min
Lab File: BE096060.D
Acq: 21 Apr 2018 2:38

Instrument :
BNA_E
ClientSampleId :
SSTD0.445

Tot Ion:278 Resp: 7090

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.4	26.0
279	26.5	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.374 ng/ul
RT: 28.04 min Scan# 4962
Delta R.T. -0.00 min
Lab File: BE096060.D
Acq: 21 Apr 2018 2:38

Tgt Ion:276 Resp: 7344

Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.8	32.8
277	27.3	20.5	30.7

