

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093846.D
 Acq On : 16 Aug 2017 18:48
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 SSTD0.410

Quant Time: Aug 17 01:00:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

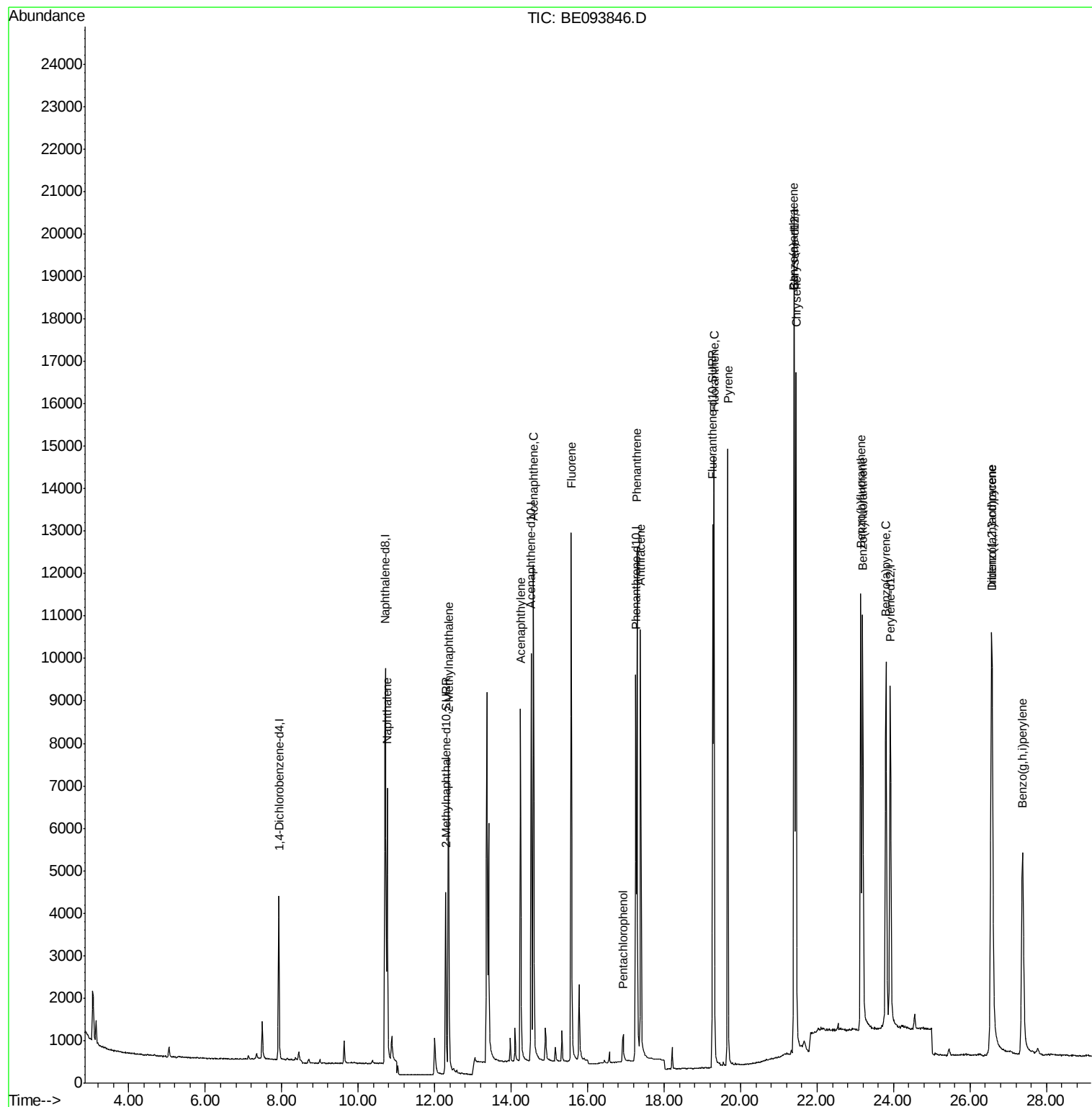
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2074	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10912	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6012	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13519	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14682	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	13212	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	6824	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	15473	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	10472	0.395	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	7248	0.374	ng/ul	98
7) Acenaphthylene	14.24	152	10486	0.417	ng/ul	96
8) Acenaphthene	14.58	153	7683	0.388	ng/ul	99
9) Fluorene	15.57	166	8813	0.352	ng/ul#	91
11) Pentachlorophenol	16.93	266	795	0.357	ng/ul	95
12) Phenanthrene	17.29	178	13924	0.378	ng/ul#	89
13) Anthracene	17.38	178	13954	0.389	ng/ul#	89
15) Fluoranthene	19.30	202	16440	0.357	ng/ul	84
17) Pyrene	19.66	202	17131	0.400	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	16410	0.386	ng/ul#	86
19) Chrysene	21.45	228	16337	0.400	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	14875	0.364	ng/ul	88
22) Benzo(k)fluoranthene	23.19	252	15941	0.396	ng/ul#	90
23) Benzo(a)pyrene	23.80	252	15206	0.391	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.56	276	15860	0.370	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.58	278	13142	0.366	ng/ul	93
26) Benzo(g,h,i)perylene	27.38	276	13164	0.364	ng/ul	99

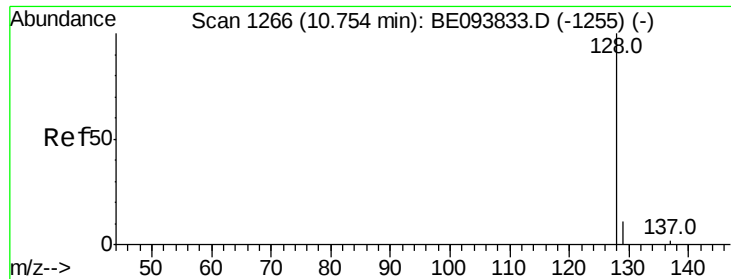
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

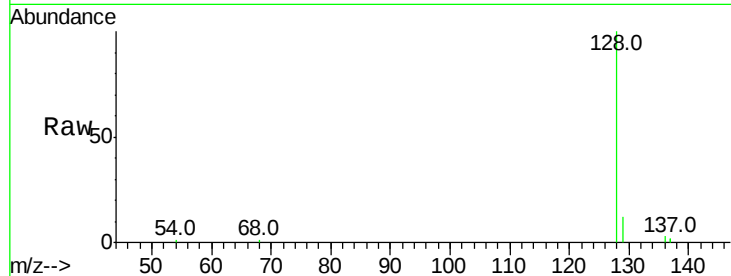
Tot Ion:128 Resp: 10472

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

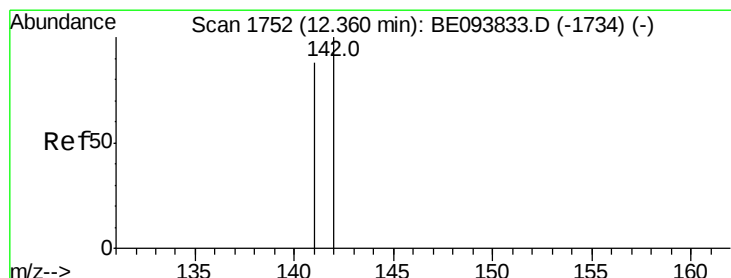
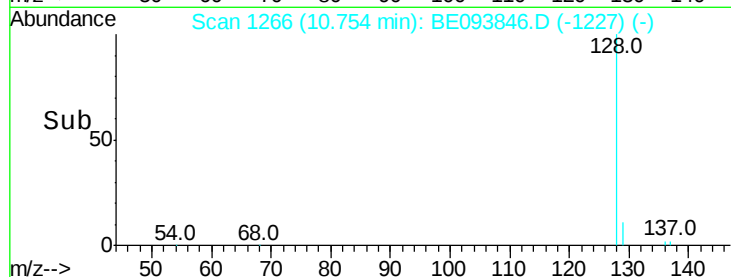
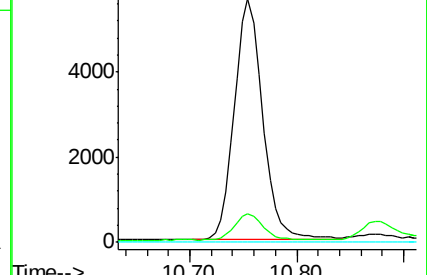
127 0.0 4.0 6.0#



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: 0.374 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE093846.D

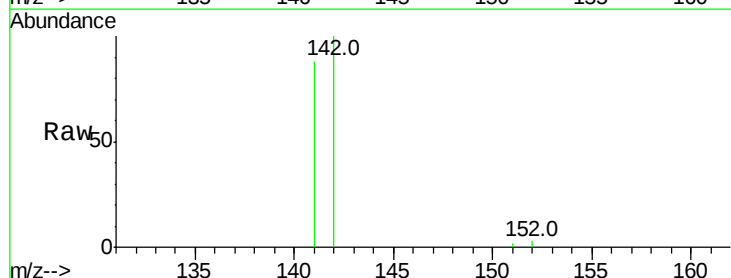
Acq: 16 Aug 2017 18:48

Tgt Ion:142 Resp: 7248

Ion Ratio Lower Upper

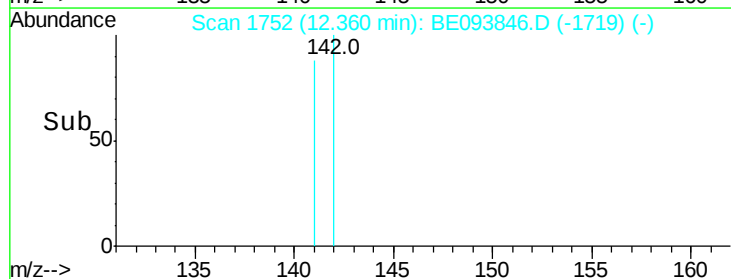
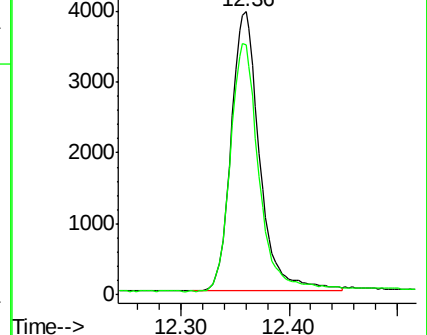
142 100

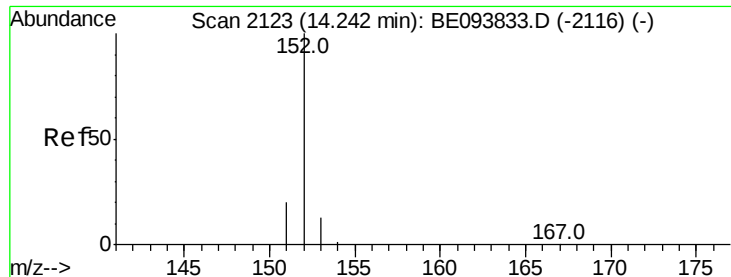
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.417 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

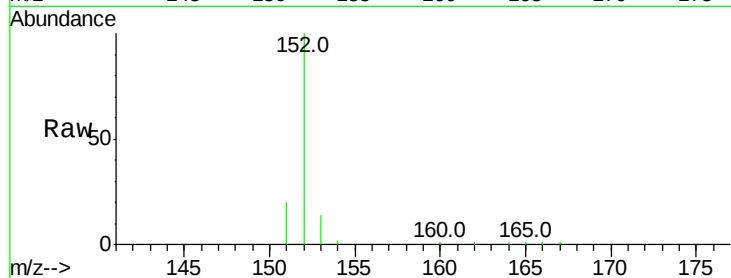
Tot Ion:152 Resp: 10486

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

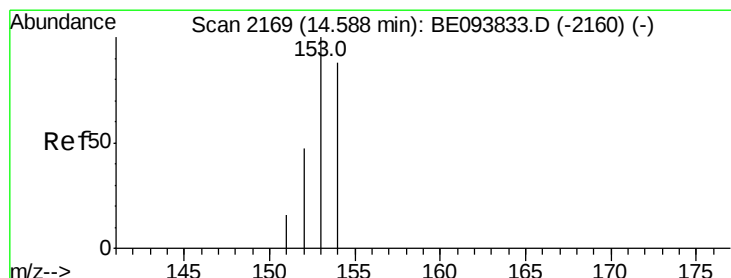
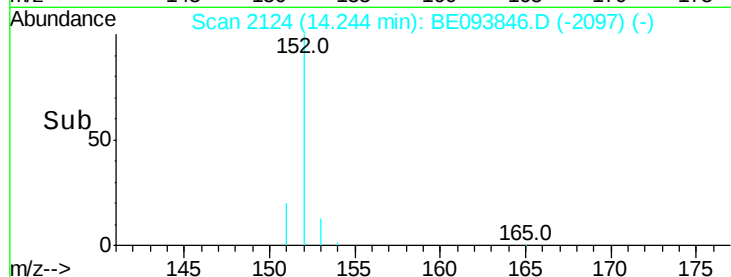
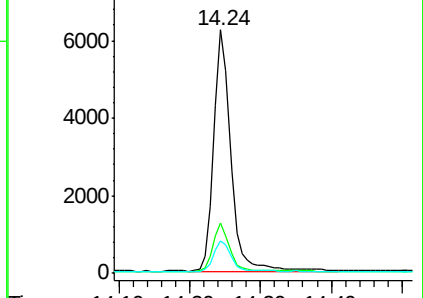
153 13.6 12.8 19.2



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: 0.388 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

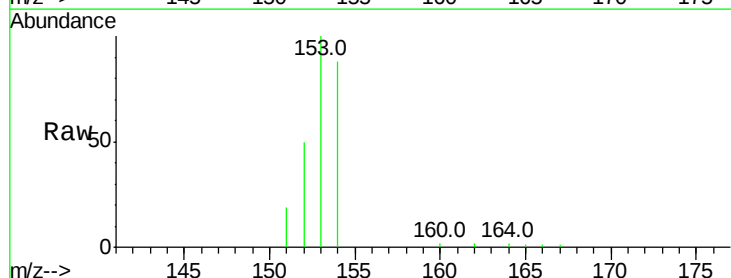
Tgt Ion:153 Resp: 7683

Ion Ratio Lower Upper

153 100

152 49.9 40.3 60.5

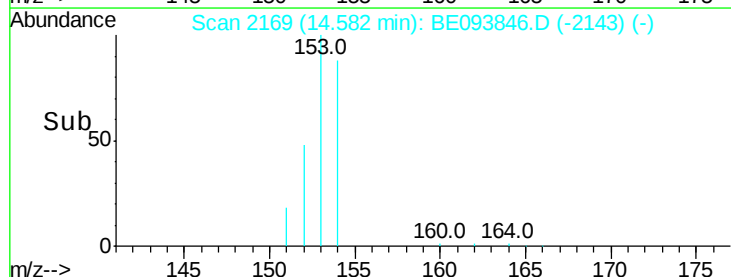
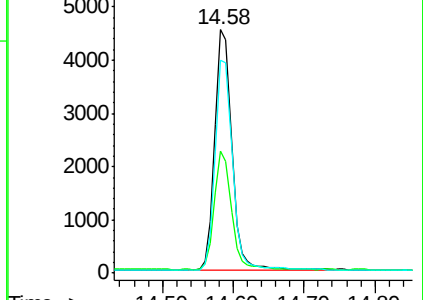
154 87.6 71.4 107.2

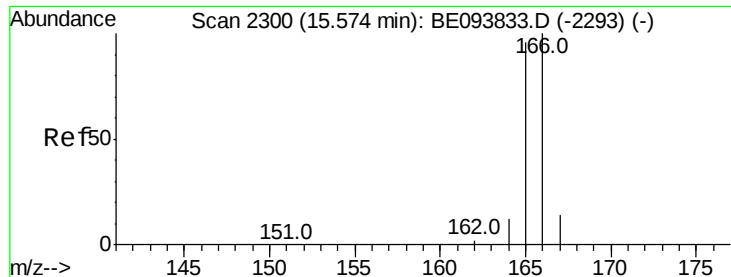


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.352 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

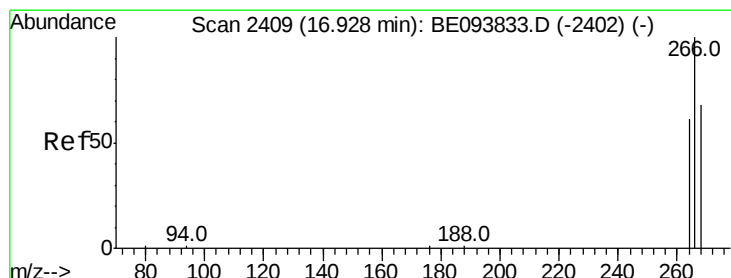
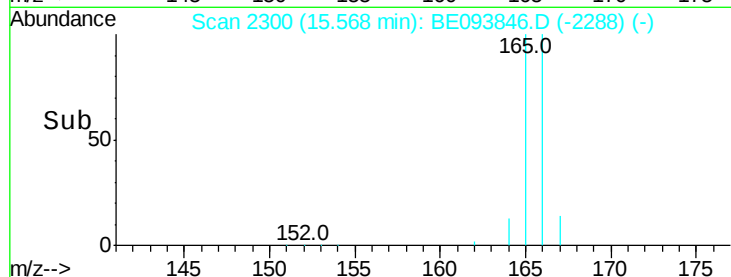
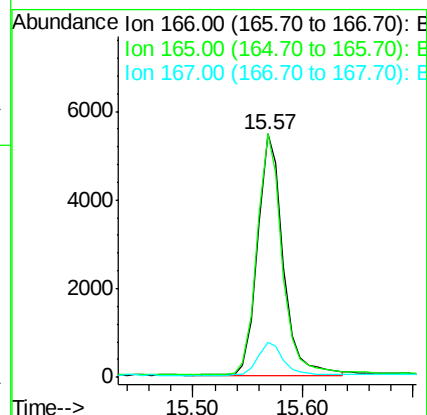
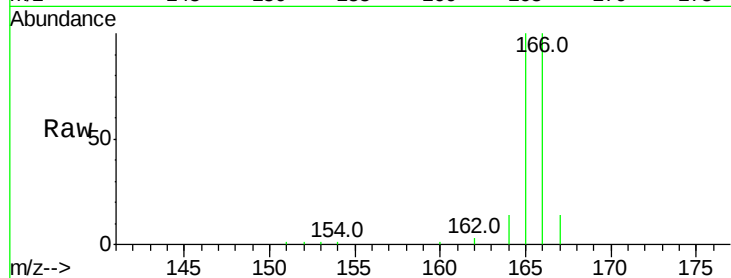
Tot Ion:166 Resp: 8813

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

167 14.4 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.357 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

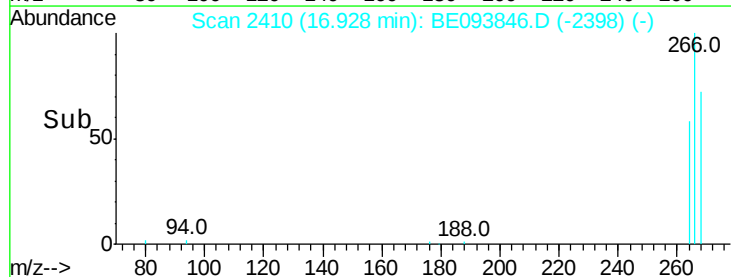
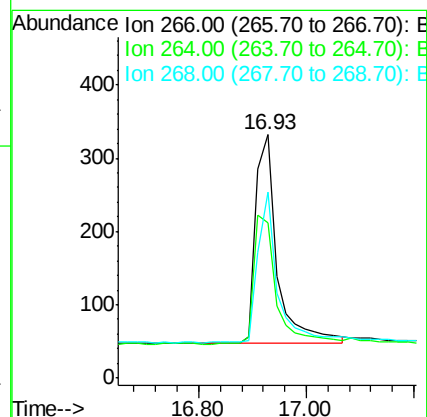
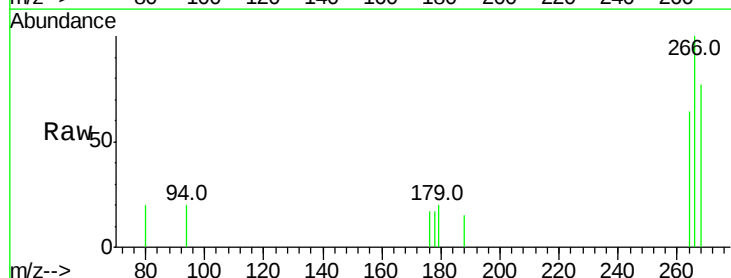
Tgt Ion:266 Resp: 795

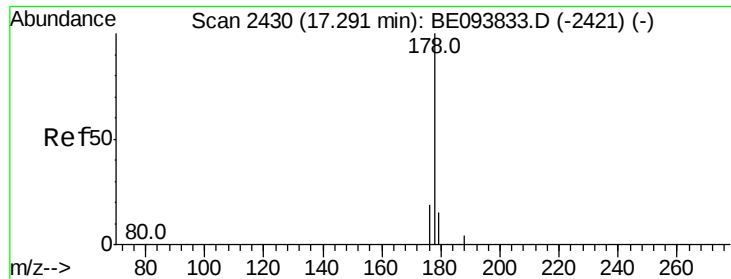
Ion Ratio Lower Upper

266 100

264 64.8 47.9 71.9

268 64.7 49.8 74.8





#12

Phenanthrene

Concen: 0.378 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

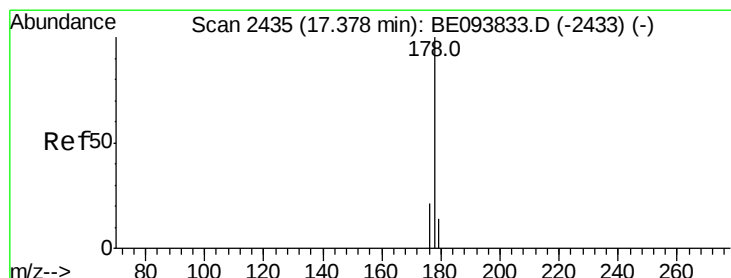
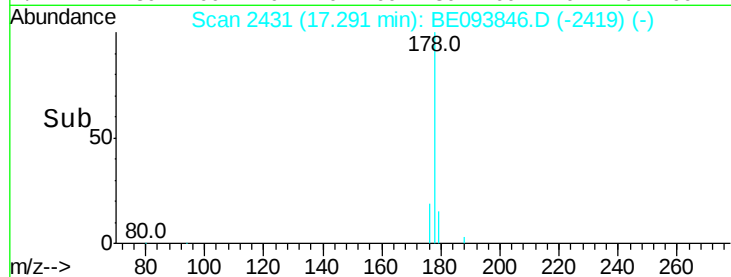
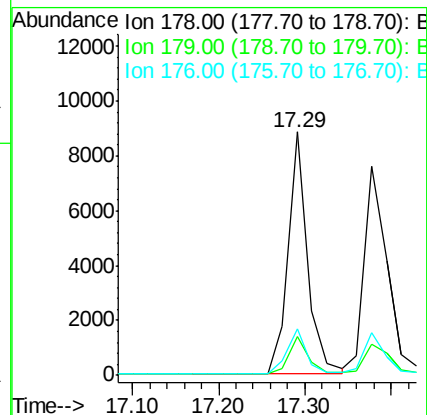
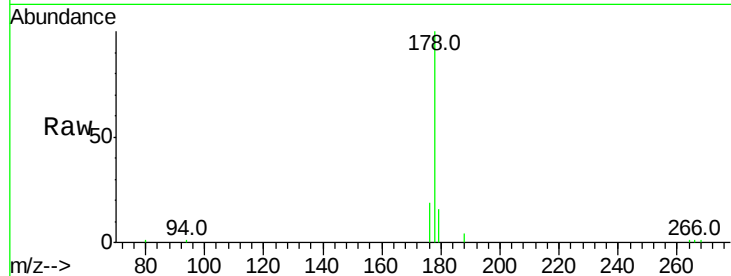
Tot Ion:178 Resp: 13924

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 19.1 13.6 20.4



#13

Anthracene

Concen: 0.389 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

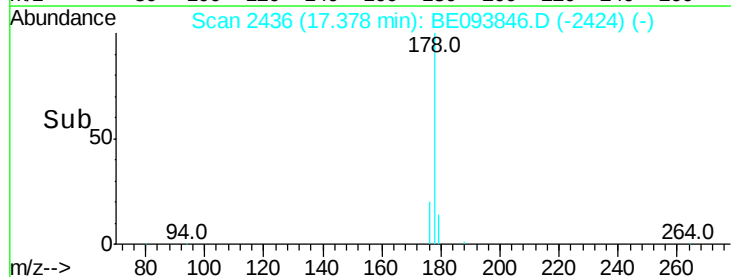
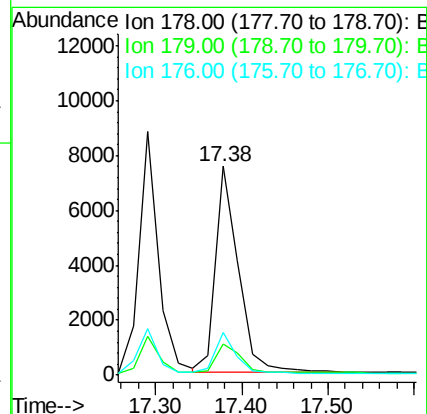
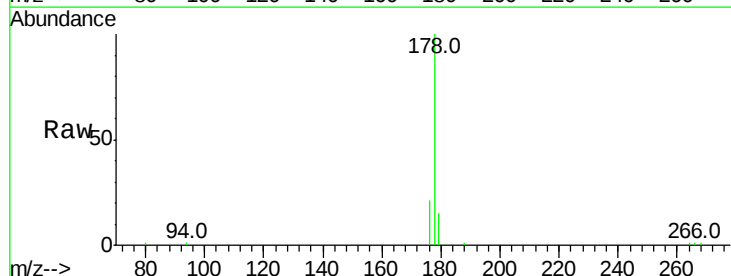
Tgt Ion:178 Resp: 13954

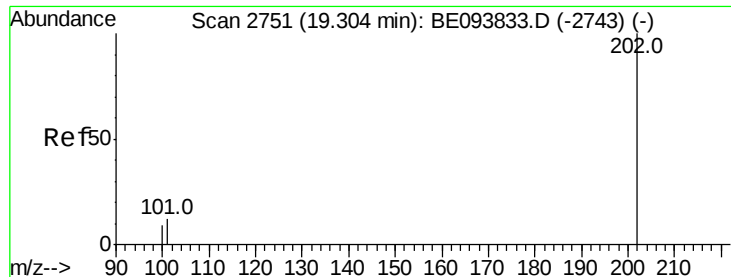
Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

176 20.6 14.7 22.1





#15

Fluoranthene

Concen: 0.357 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

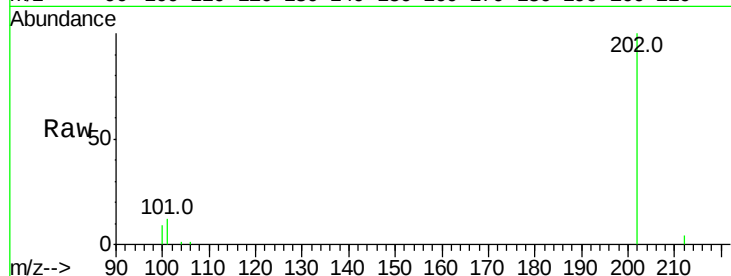
Tot Ion:202 Resp: 16440

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

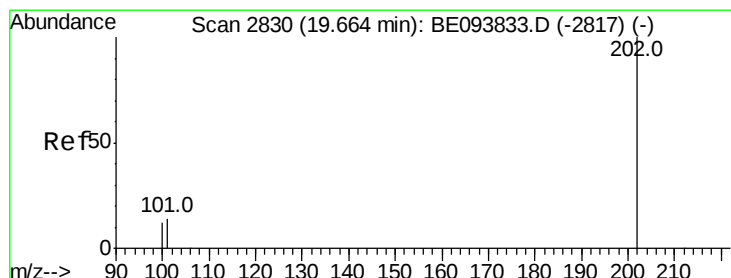
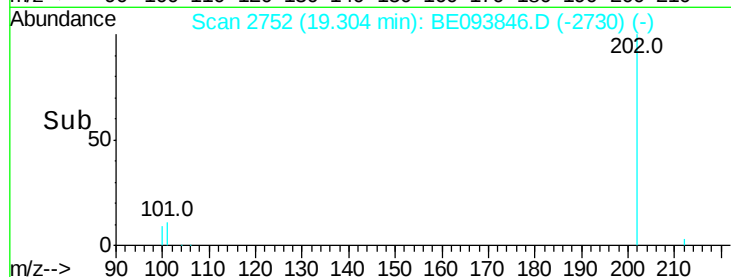
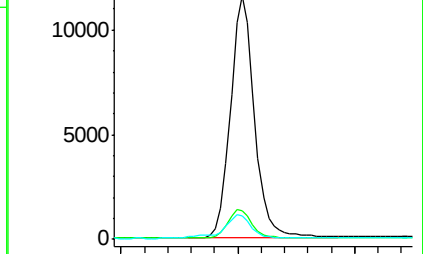
100 9.4 0.0 39.5



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: 0.400 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

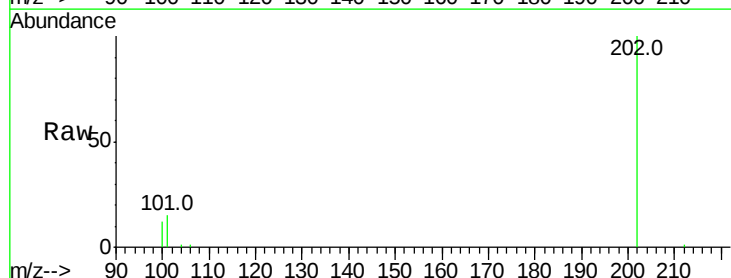
Tgt Ion:202 Resp: 17131

Ion Ratio Lower Upper

202 100

101 14.5 18.2 27.4#

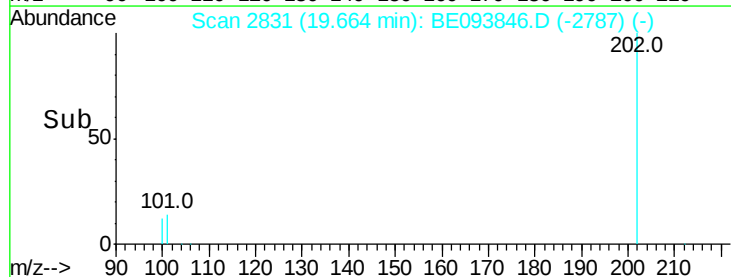
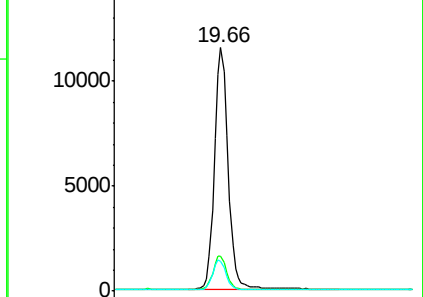
100 12.3 15.6 23.4#

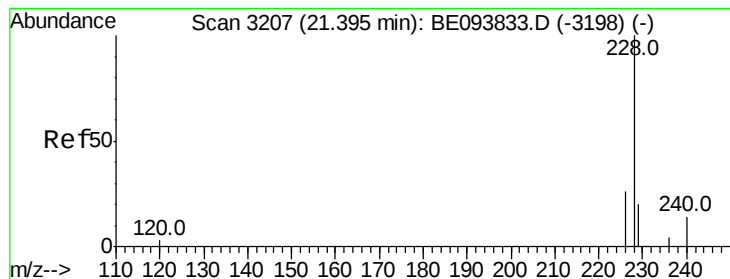


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.386 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

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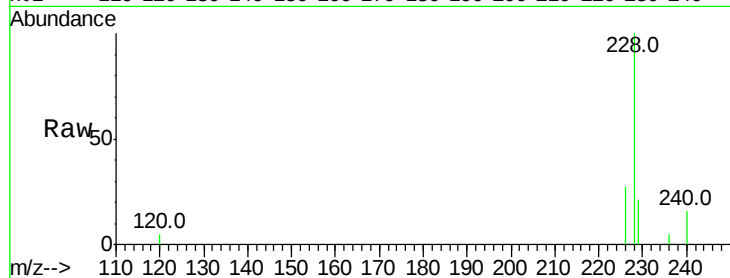
Tot Ion:228 Resp: 16410

Ion Ratio Lower Upper

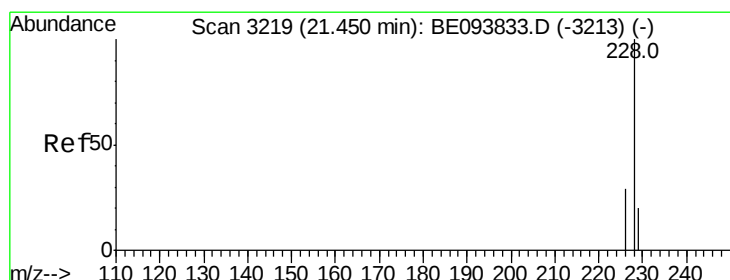
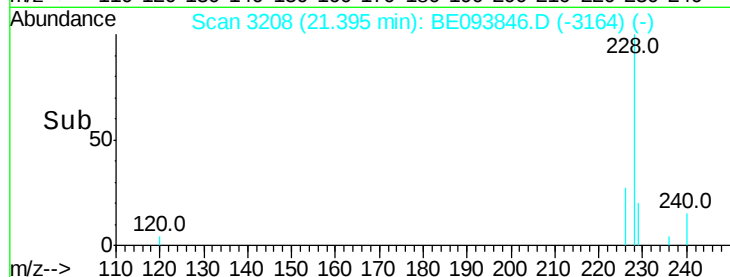
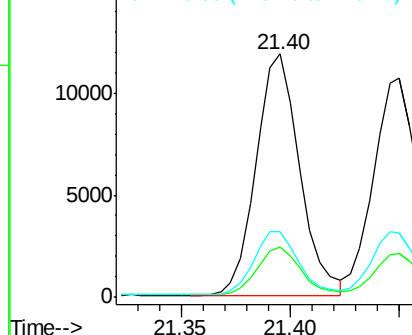
228 100

229 20.8 22.8 34.2#

226 27.2 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: 0.400 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

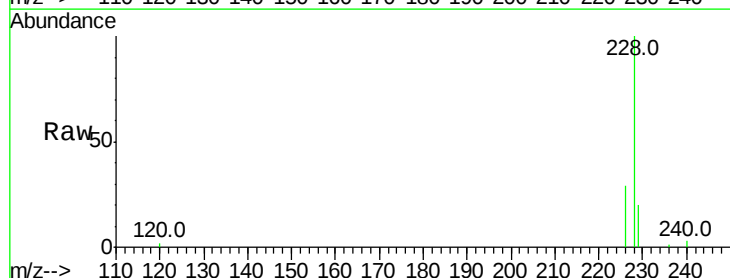
Tgt Ion:228 Resp: 16337

Ion Ratio Lower Upper

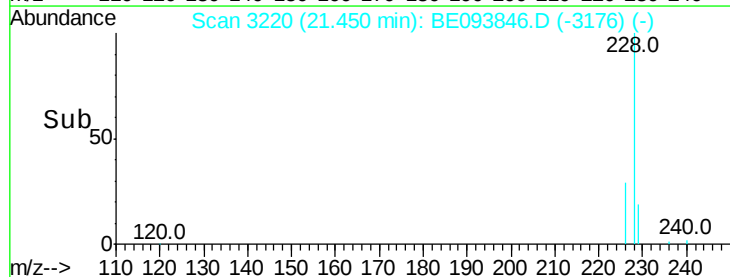
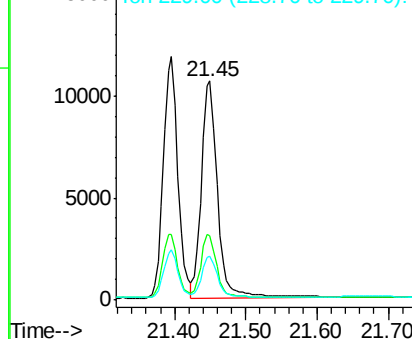
228 100

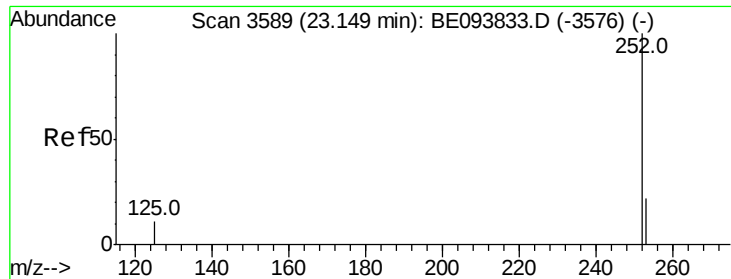
226 29.5 23.4 35.0

229 20.3 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: 0.364 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

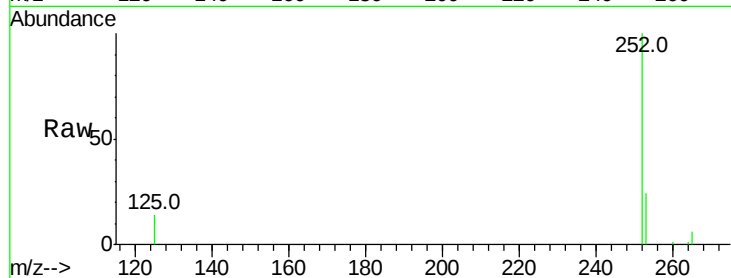
Tot Ion:252 Resp: 14875

Ion Ratio Lower Upper

252 100

253 24.5 0.0 64.2

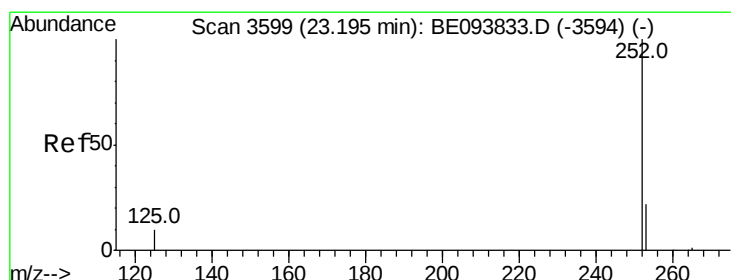
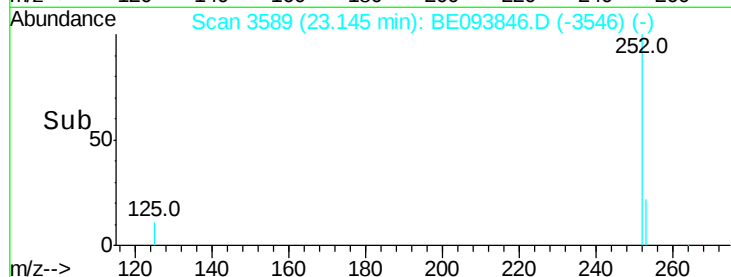
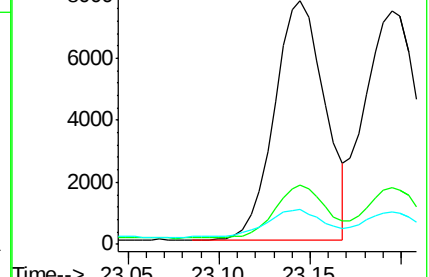
125 14.2 0.0 35.0



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: 0.396 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

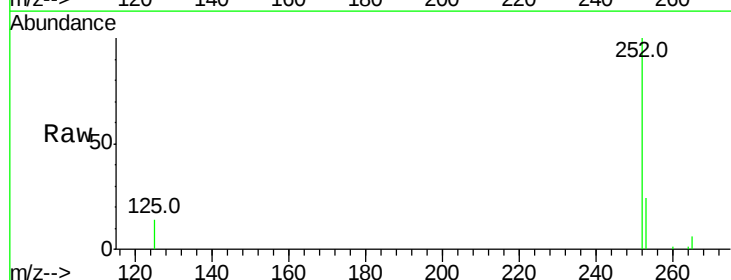
Tgt Ion:252 Resp: 15941

Ion Ratio Lower Upper

252 100

253 24.2 24.5 36.7#

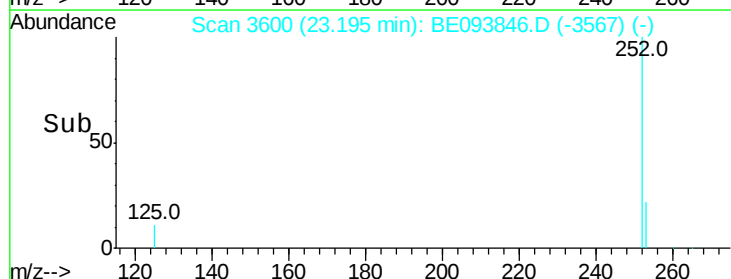
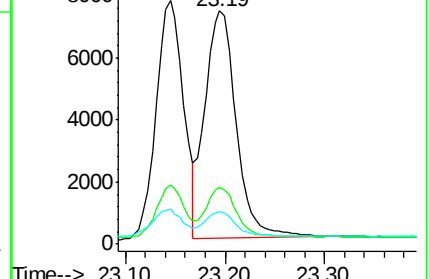
125 13.8 13.7 20.5

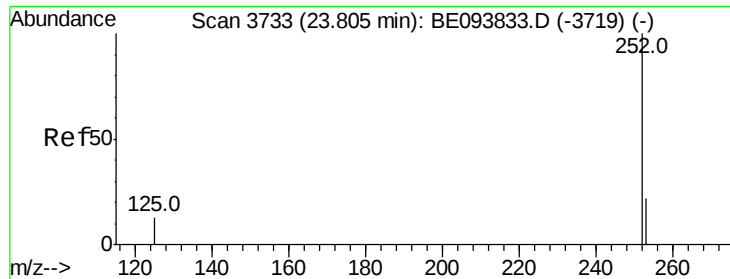


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

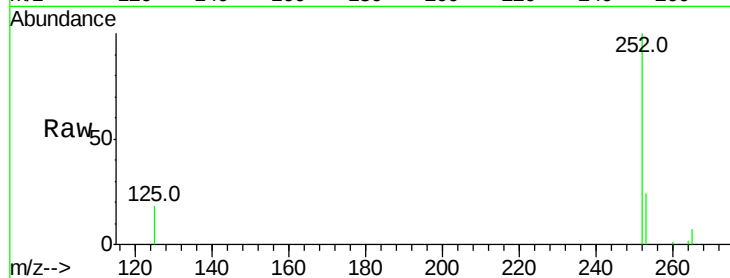
Tot Ion:252 Resp: 15206

Ion Ratio Lower Upper

252 100

253 24.4 28.5 42.7#

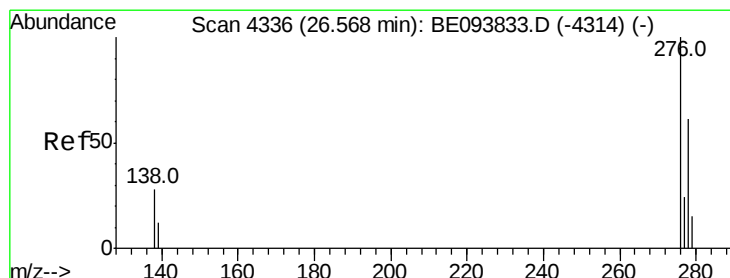
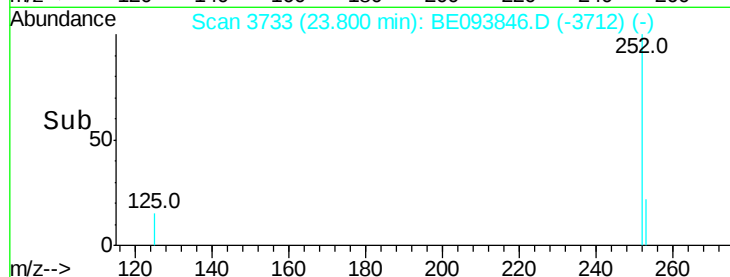
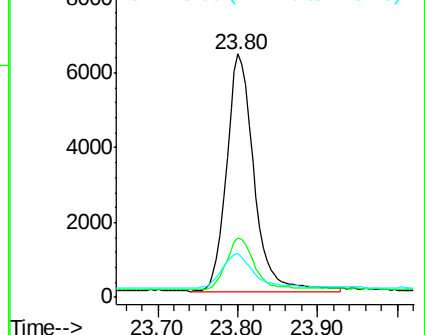
125 17.8 18.1 27.1#



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: 0.370 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.01 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

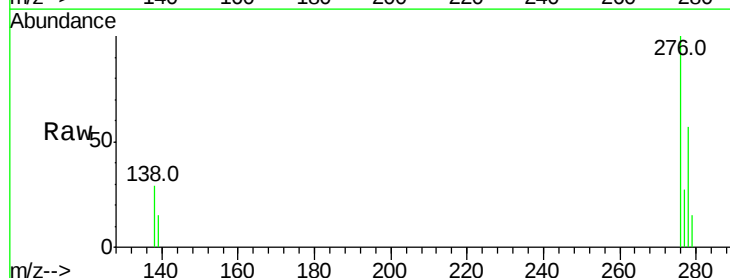
Tgt Ion:276 Resp: 15860

Ion Ratio Lower Upper

276 100

138 29.0 28.0 42.0

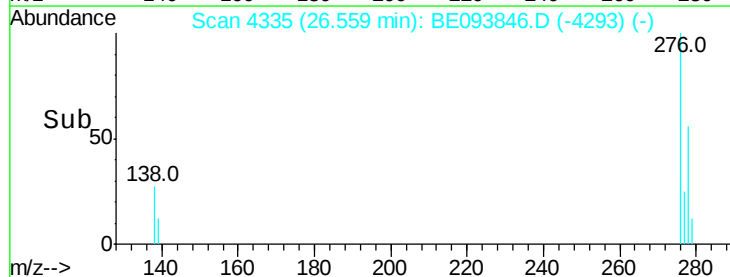
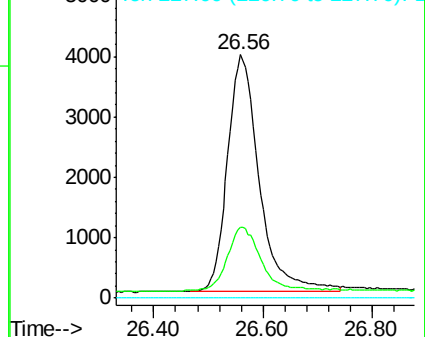
227 0.0 8.0 12.0#

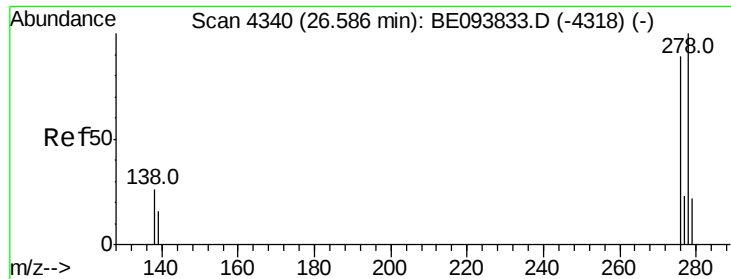


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.366 ng/u1

RT: 26.58 min Scan# 4340

Delta R.T. -0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

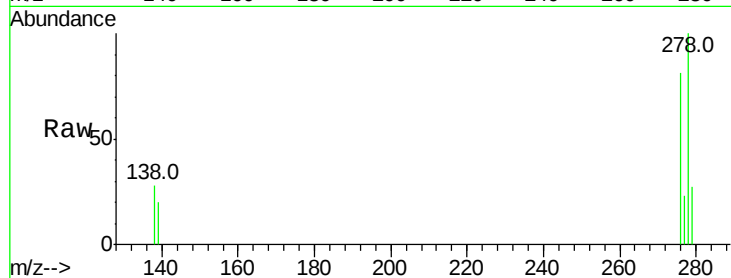
Tot Ion:278 Resp: 13142

Ion Ratio Lower Upper

278 100

139 20.5 17.4 26.0

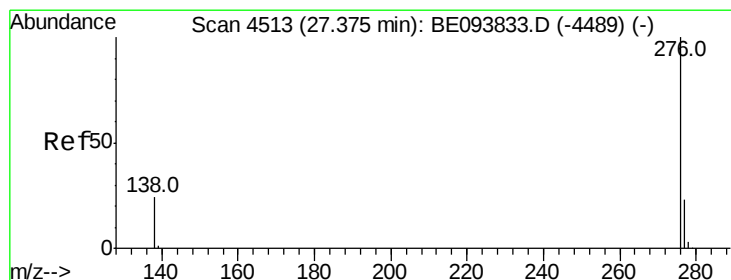
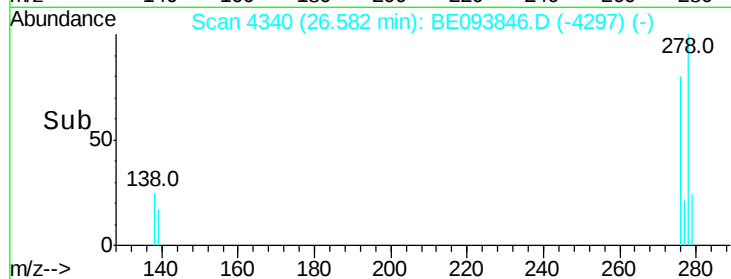
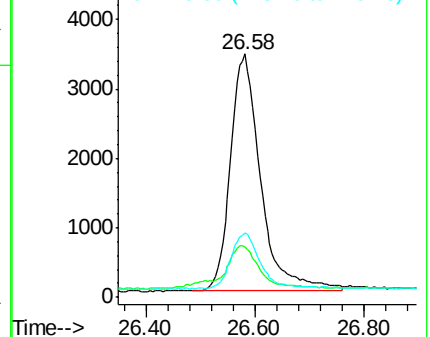
279 26.6 25.9 38.9



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: 0.364 ng/u1

RT: 27.38 min Scan# 4515

Delta R.T. 0.00 min

Lab File: BE093846.D

Acq: 16 Aug 2017 18:48

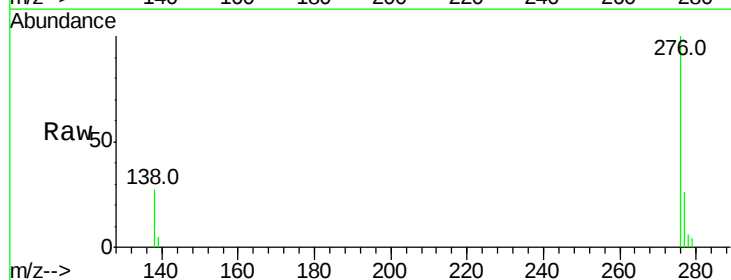
Tgt Ion:276 Resp: 13164

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.8

277 26.1 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

