

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081517\
 Data File : BE093802.D
 Acq On : 15 Aug 2017 11:29
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.406

Quant Time: Aug 16 05:31:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 10:51:12 2017
 Response via : Initial Calibration

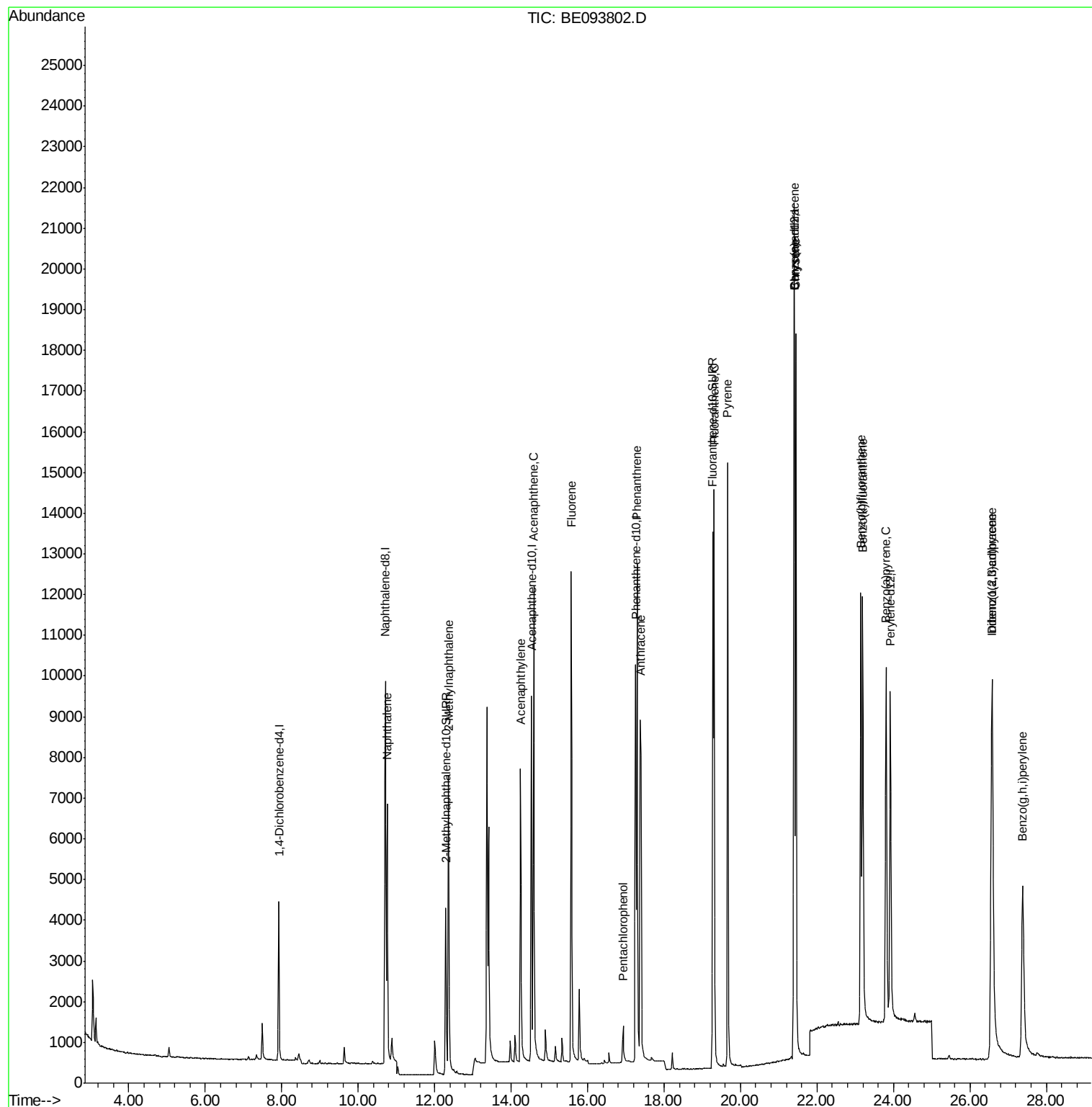
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2071	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10920	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5991	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13785	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	15837	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	13670	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	6763	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	16097	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	10494	0.395	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	7160	0.370	ng/ul	99
7) Acenaphthylene	14.24	152	10307	0.411	ng/ul	97
8) Acenaphthene	14.59	153	7707	0.391	ng/ul	98
9) Fluorene	15.57	166	8867	0.356	ng/ul#	94
11) Pentachlorophenol	16.93	266	944	0.415	ng/ul	96
12) Phenanthrene	17.29	178	14538	0.387	ng/ul#	88
13) Anthracene	17.38	178	14236	0.389	ng/ul#	87
15) Fluoranthene	19.30	202	17038	0.363	ng/ul	85
17) Pyrene	19.66	202	17949	0.388	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	17607	0.383	ng/ul#	85
19) Chrysene	21.45	228	17444	0.396	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	15706	0.371	ng/ul	88
22) Benzo(k)fluoranthene	23.20	252	16833	0.404	ng/ul#	89
23) Benzo(a)pyrene	23.81	252	15844	0.394	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.57	276	15657	0.353	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.58	278	13482	0.363	ng/ul#	93
26) Benzo(g,h,i)perylene	27.38	276	12321	0.329	ng/ul	98

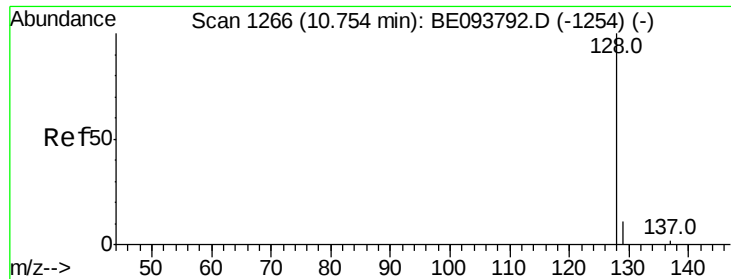
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

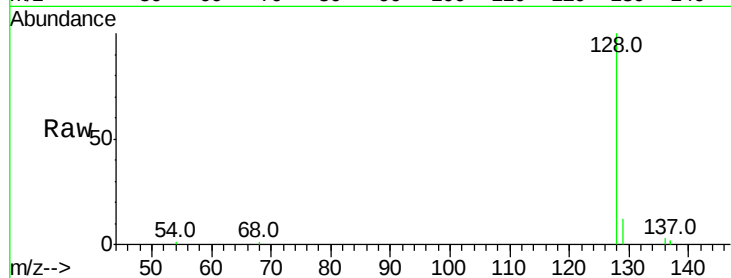
Tot Ion:128 Resp: 10494

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

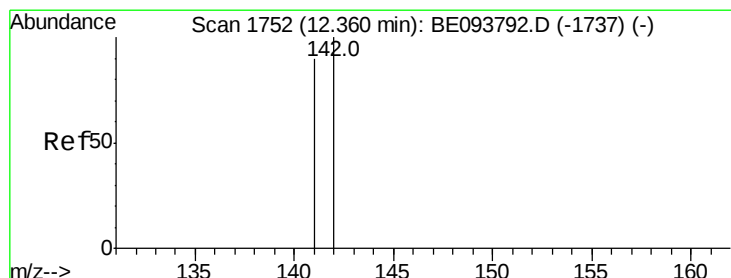
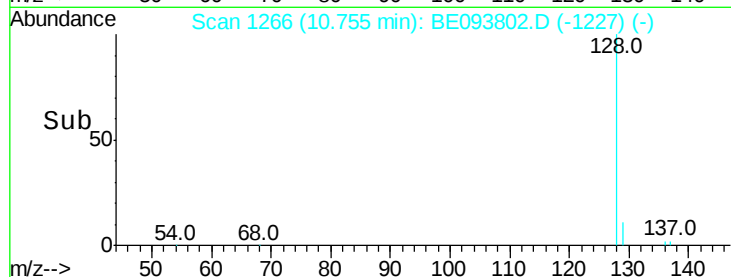
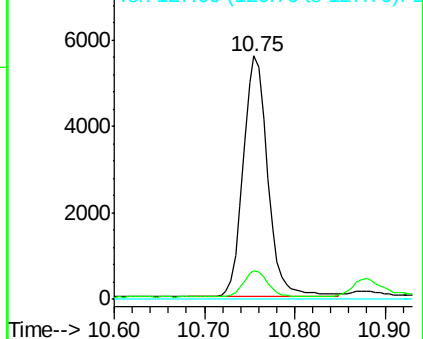
127 0.0 4.0 6.0#



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: 0.370 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE093802.D

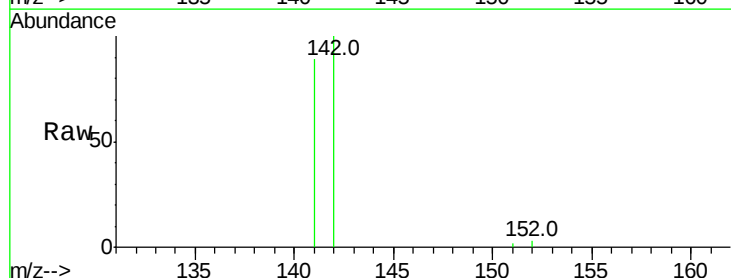
Acq: 15 Aug 2017 11:29

Tgt Ion:142 Resp: 7160

Ion Ratio Lower Upper

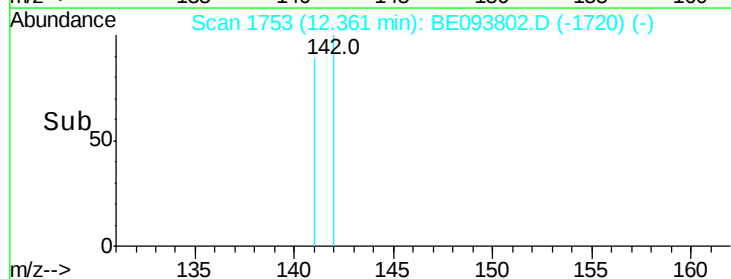
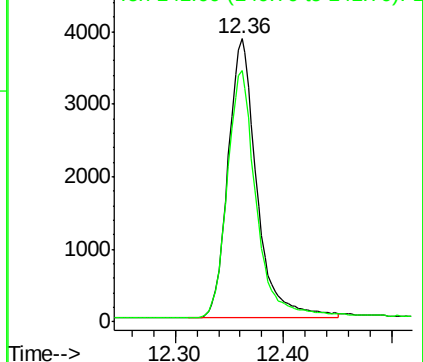
142 100

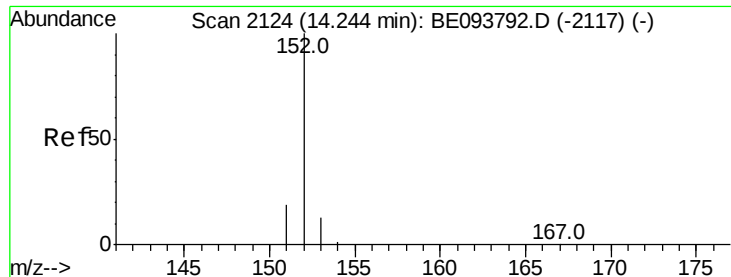
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.411 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

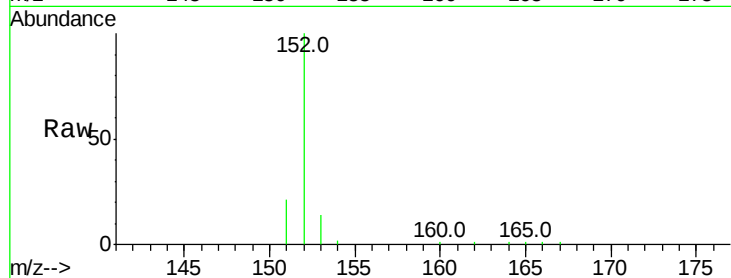
Tot Ion:152 Resp: 10307

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

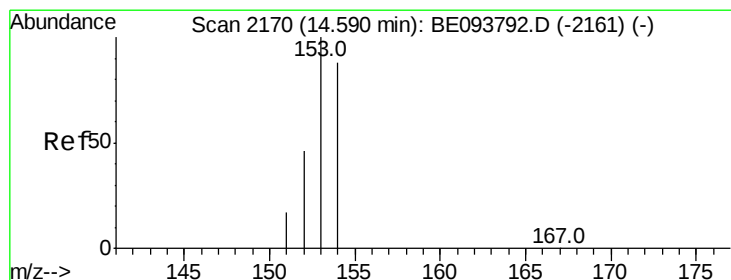
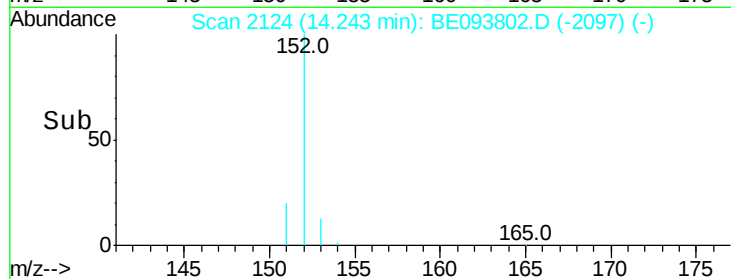
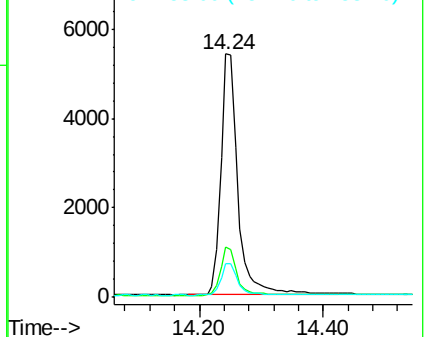
153 13.9 12.8 19.2



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: 0.391 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

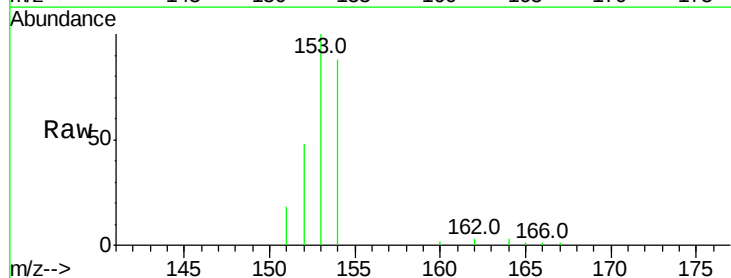
Tgt Ion:153 Resp: 7707

Ion Ratio Lower Upper

153 100

152 47.9 40.3 60.5

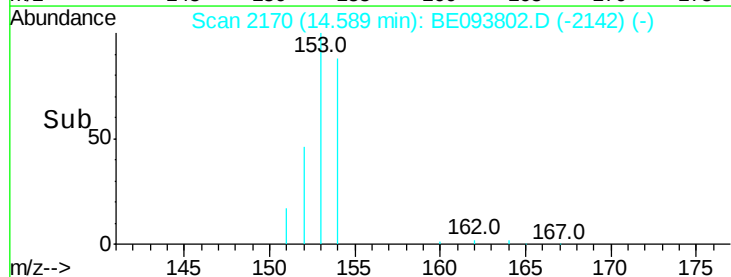
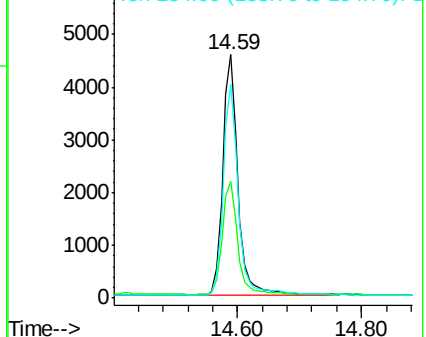
154 88.2 71.4 107.2

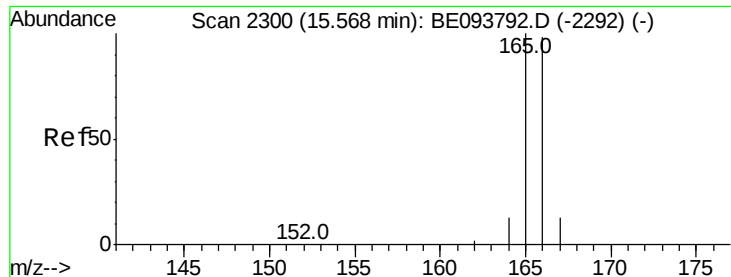


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.356 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

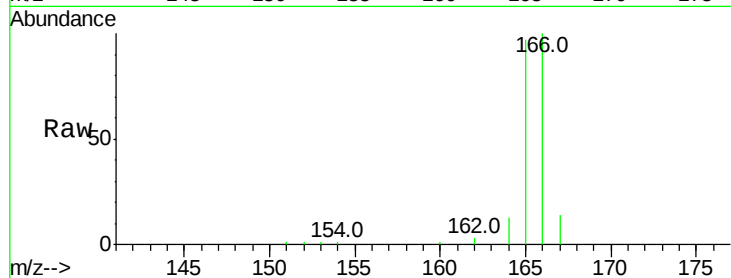
Tot Ion:166 Resp: 8867

Ion Ratio Lower Upper

166 100

165 97.3 73.4 110.2

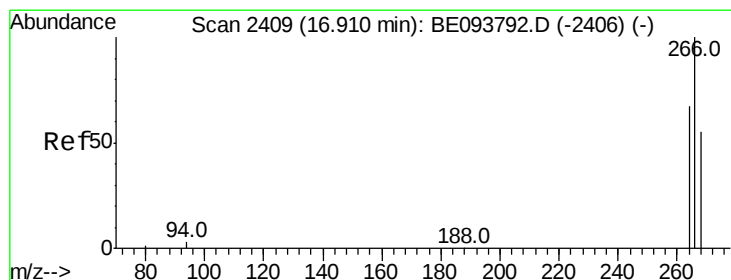
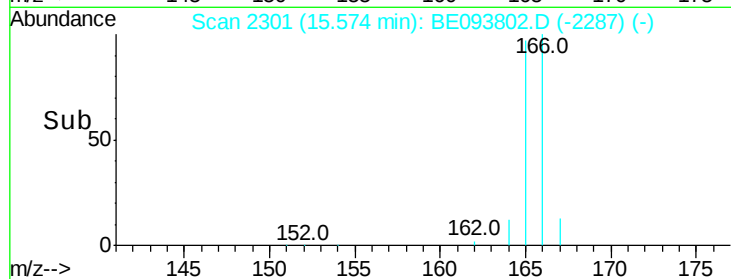
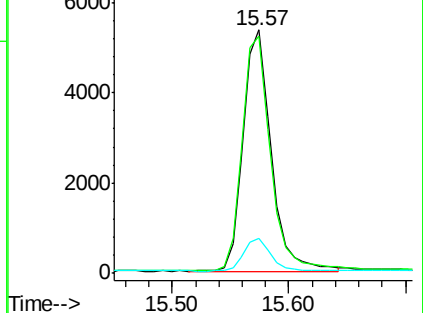
167 14.1 14.6 22.0#



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: 0.415 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. 0.02 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

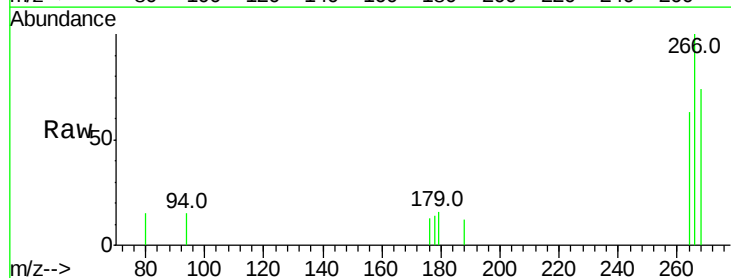
Tgt Ion:266 Resp: 944

Ion Ratio Lower Upper

266 100

264 63.9 47.9 71.9

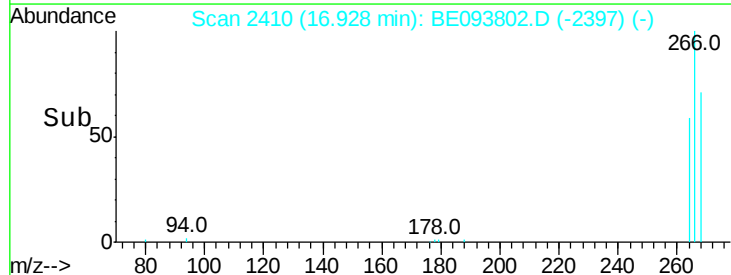
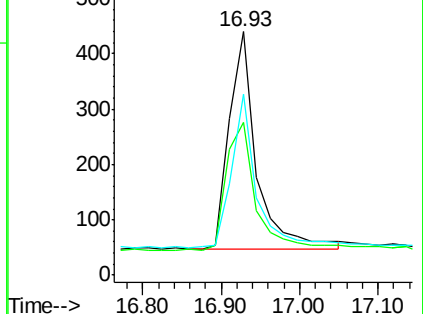
268 64.7 49.8 74.8

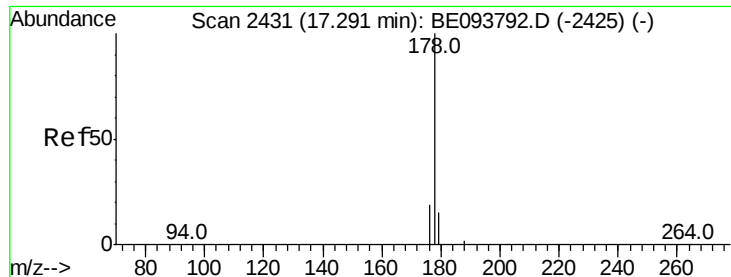


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.387 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

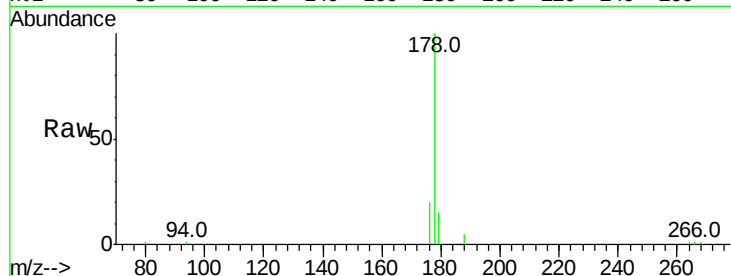
Tot Ion:178 Resp: 14538

Ion Ratio Lower Upper

178 100

179 15.0 18.4 27.6#

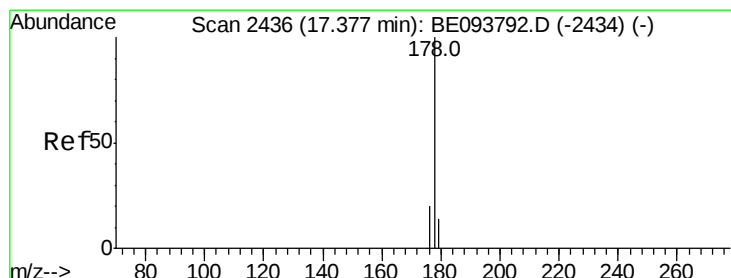
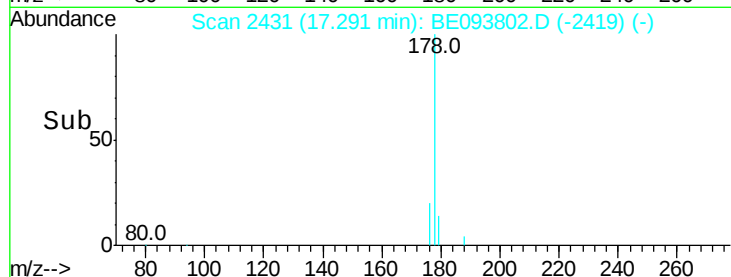
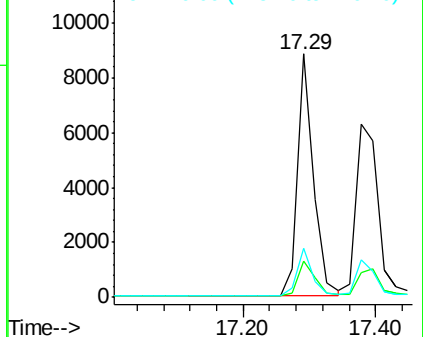
176 20.1 13.6 20.4



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: 0.389 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

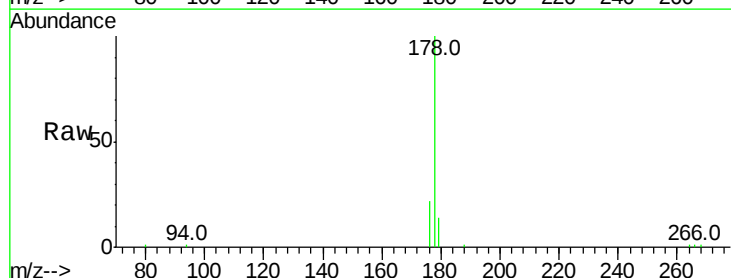
Tgt Ion:178 Resp: 14236

Ion Ratio Lower Upper

178 100

179 14.1 18.1 27.1#

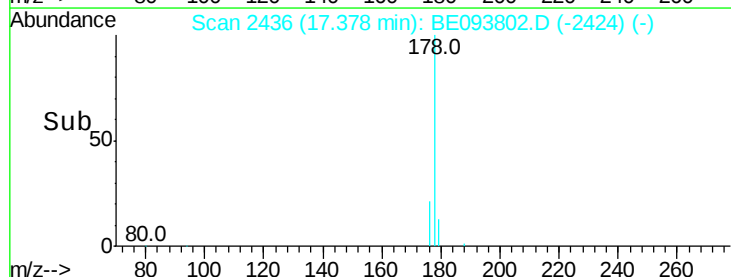
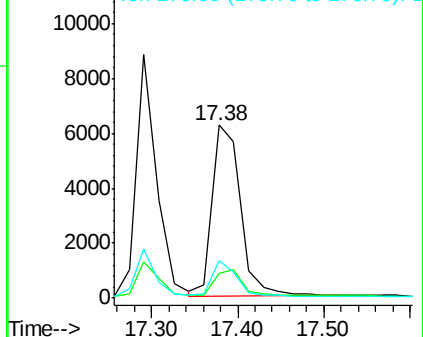
176 21.6 14.7 22.1

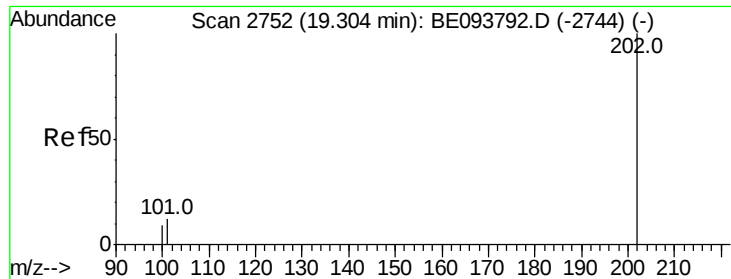


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.363 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

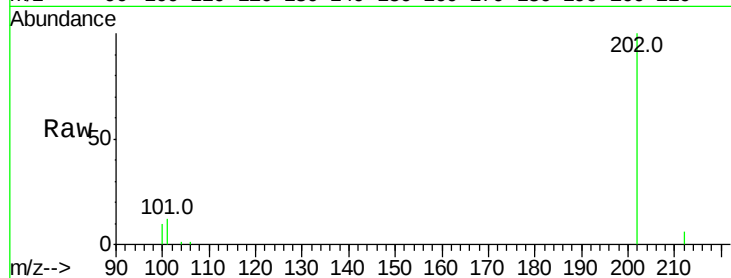
Tot Ion:202 Resp: 17038

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

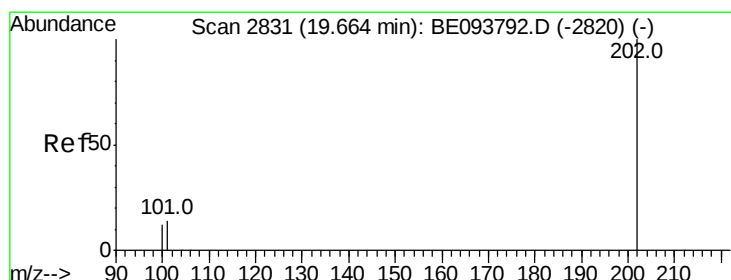
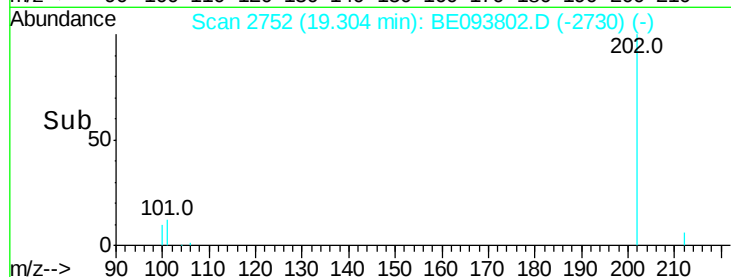
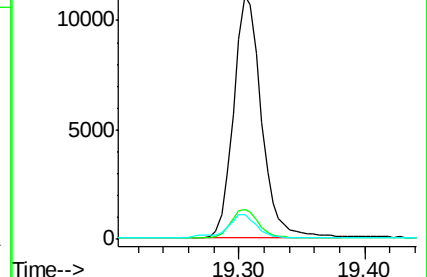
100 10.4 0.0 39.5



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: 0.388 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

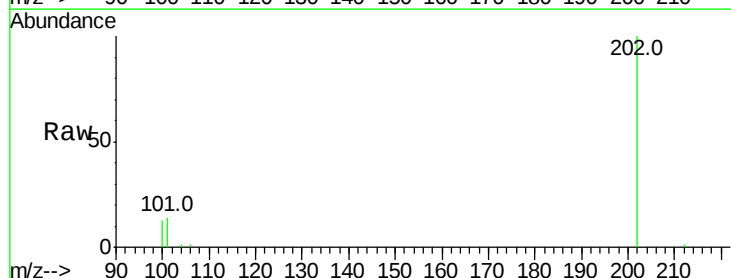
Tgt Ion:202 Resp: 17949

Ion Ratio Lower Upper

202 100

101 14.5 18.2 27.4#

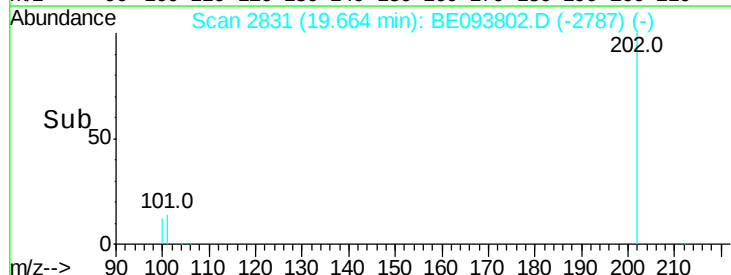
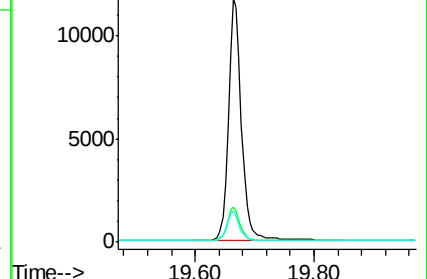
100 12.8 15.6 23.4#

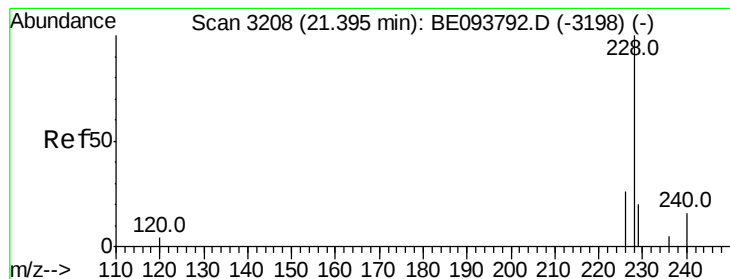


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.383 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE093802.D

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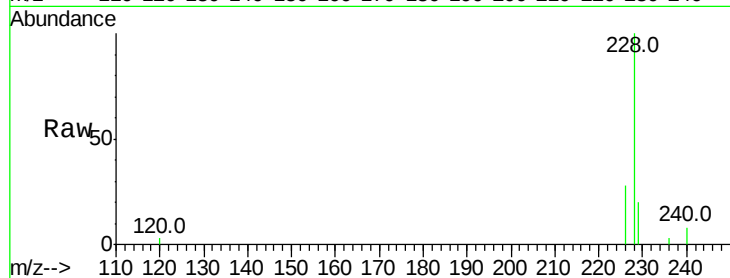
Tot Ion:228 Resp: 17607

Ion Ratio Lower Upper

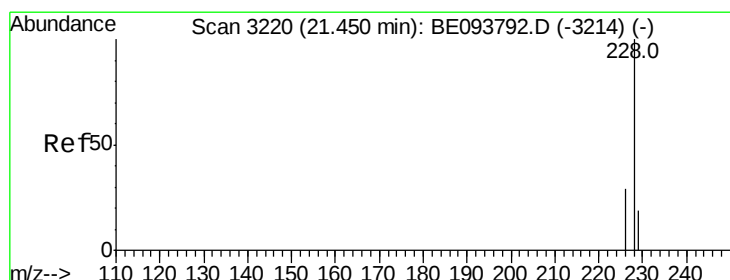
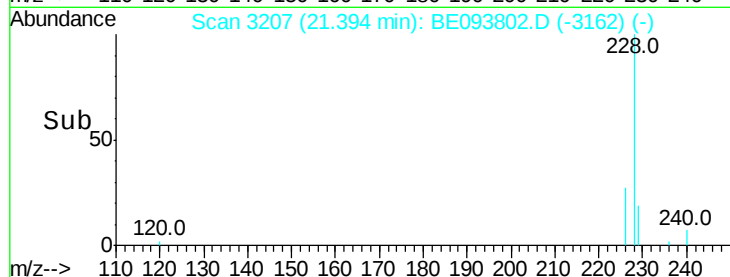
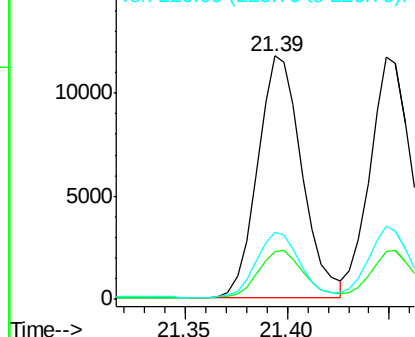
228 100

229 19.6 22.8 34.2#

226 27.6 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: 0.396 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

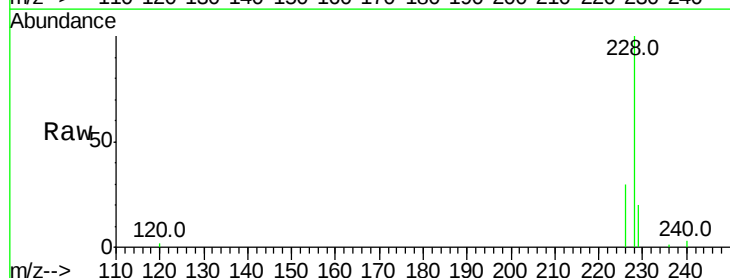
Tgt Ion:228 Resp: 17444

Ion Ratio Lower Upper

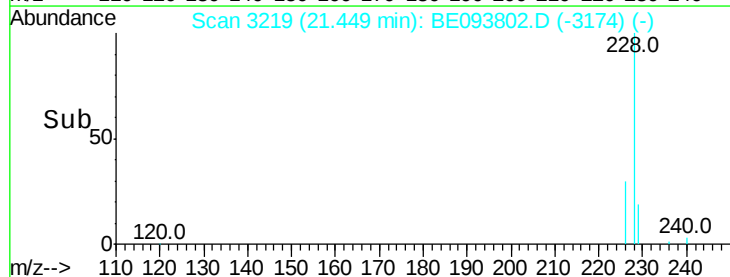
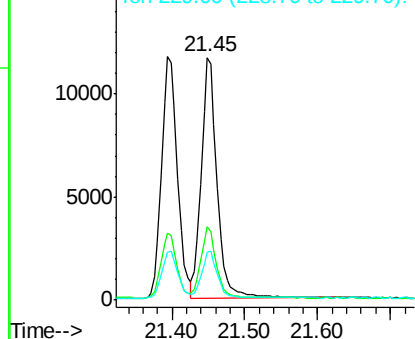
228 100

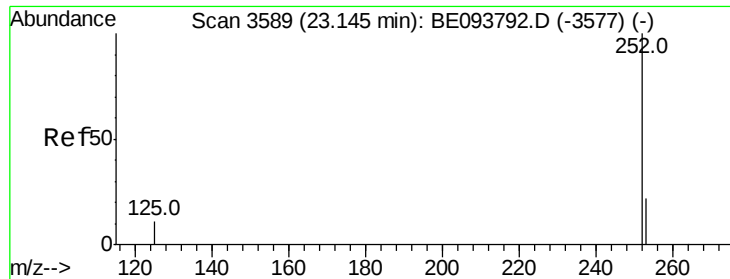
226 30.2 23.4 35.0

229 19.7 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: 0.371 ng/u1

RT: 23.14 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE093802.D

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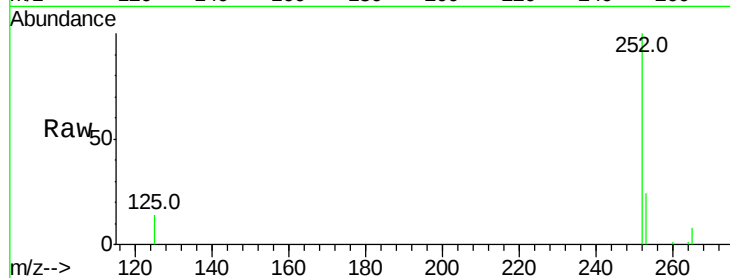
Tot Ion:252 Resp: 15706

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

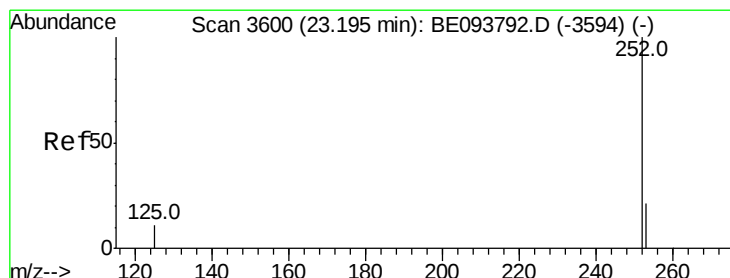
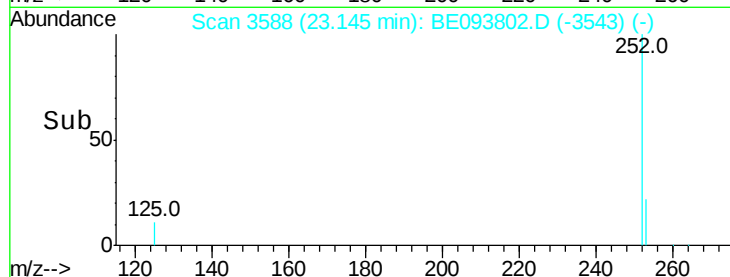
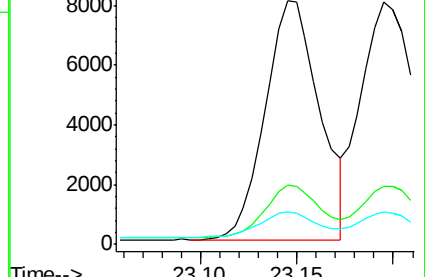
125 13.6 0.0 35.0



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: 0.404 ng/u1

RT: 23.20 min Scan# 3599

Delta R.T. 0.01 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

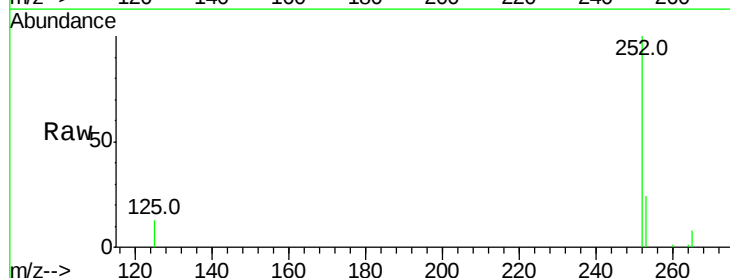
Tgt Ion:252 Resp: 16833

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

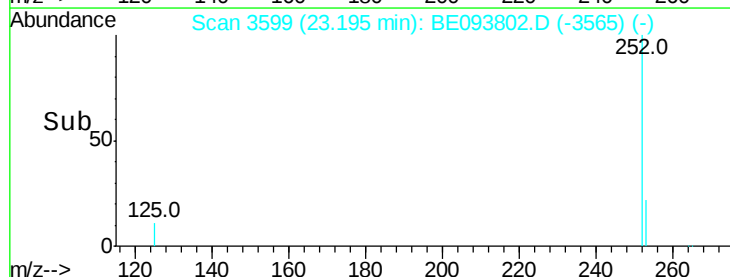
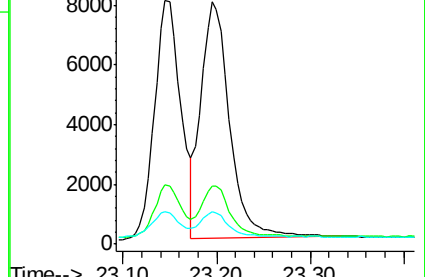
125 13.4 13.7 20.5#

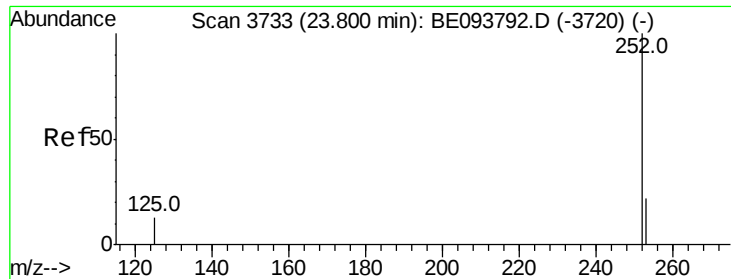


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.394 ng/uL

RT: 23.81 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.406

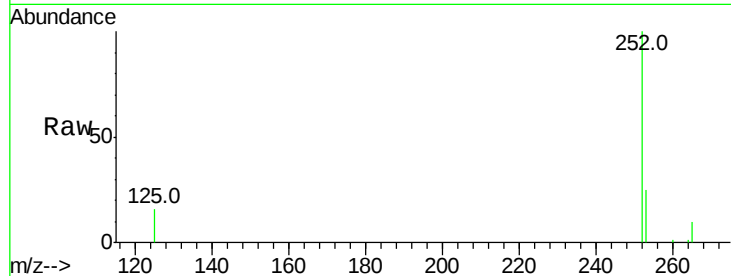
Tot Ion:252 Resp: 15844

Ion Ratio Lower Upper

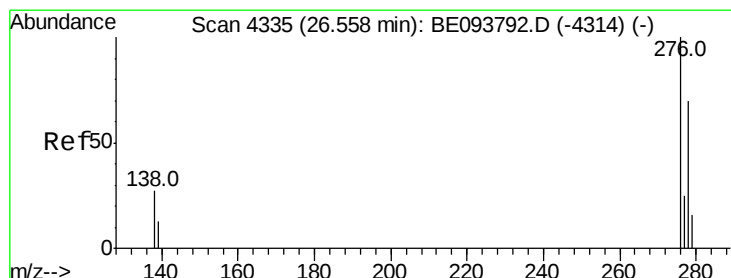
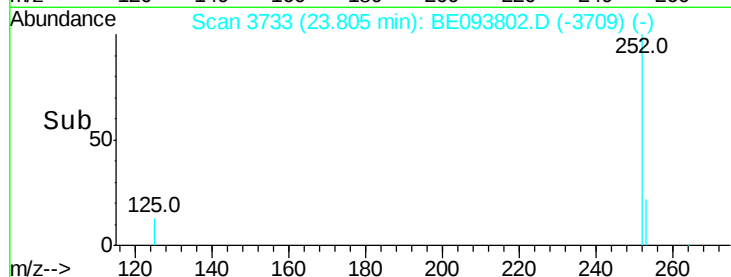
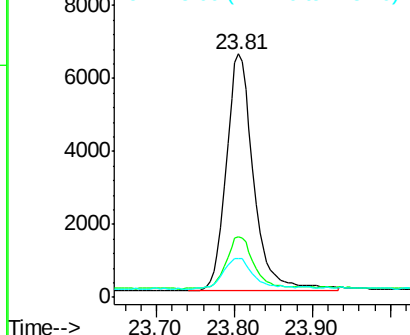
252 100

253 24.9 28.5 42.7#

125 15.9 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: 0.353 ng/uL

RT: 26.57 min Scan# 4336

Delta R.T. 0.02 min

Lab File: BE093802.D

Acq: 15 Aug 2017 11:29

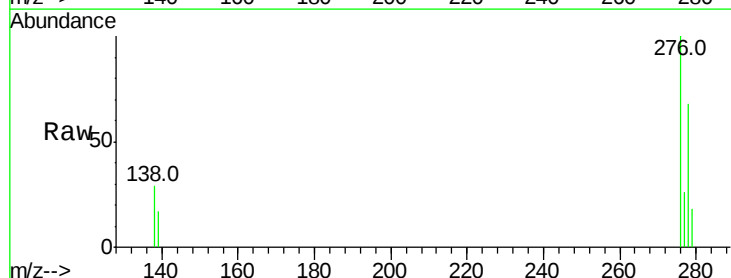
Tgt Ion:276 Resp: 15657

Ion Ratio Lower Upper

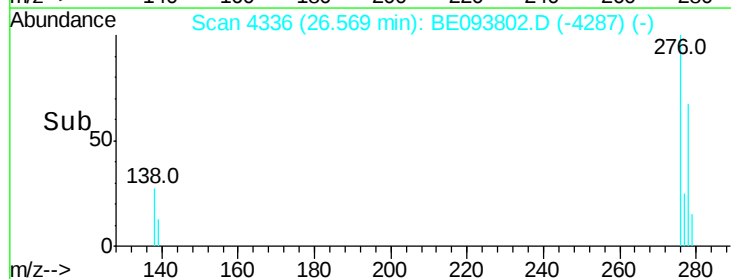
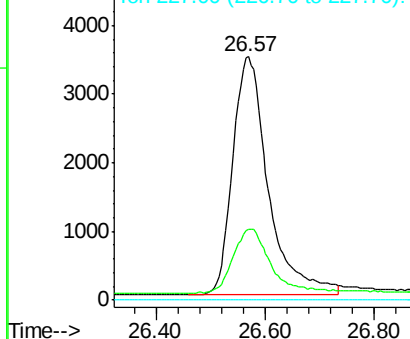
276 100

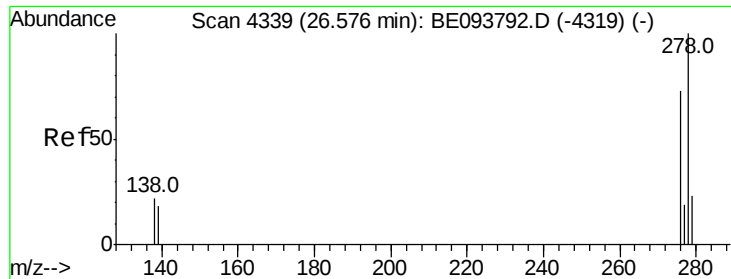
138 28.9 28.0 42.0

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



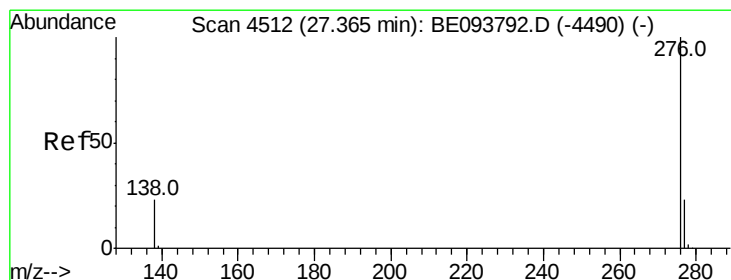
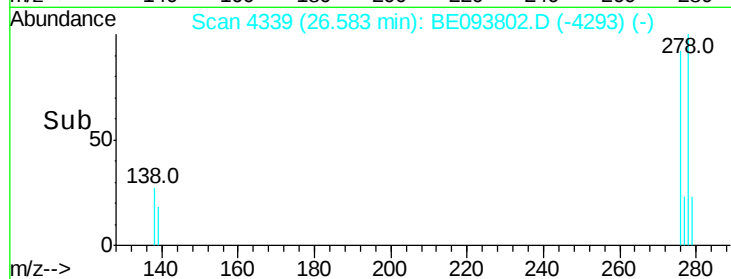
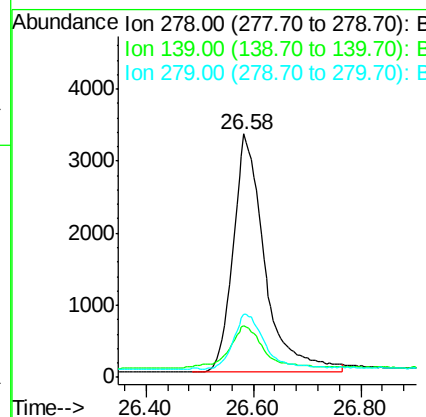
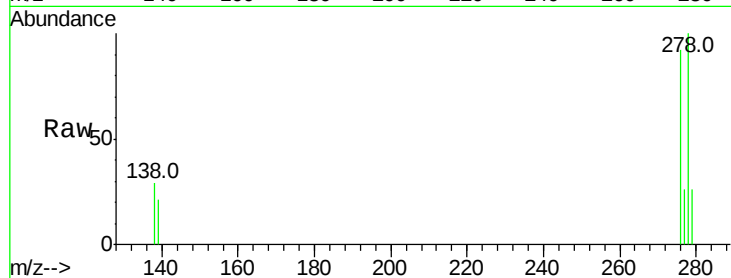


#25
Dibenzo(a,h)anthracene
Concen: 0.363 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. 0.01 min
Lab File: BE093802.D
Acq: 15 Aug 2017 11:29

Instrument :
BNA_E
ClientSampleId :
SSTD0.406

Tot Ion:278 Resp: 13482

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.4	26.0
279	25.8	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.329 ng/ul
RT: 27.38 min Scan# 4514
Delta R.T. 0.01 min
Lab File: BE093802.D
Acq: 15 Aug 2017 11:29

Tgt Ion:276 Resp: 12321

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.8	32.8
277	25.9	20.5	30.7

