

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081517\
 Data File : BE093831.D
 Acq On : 16 Aug 2017 5:44
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.408

Quant Time: Aug 16 07:39:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 07:30:49 2017
 Response via : Initial Calibration

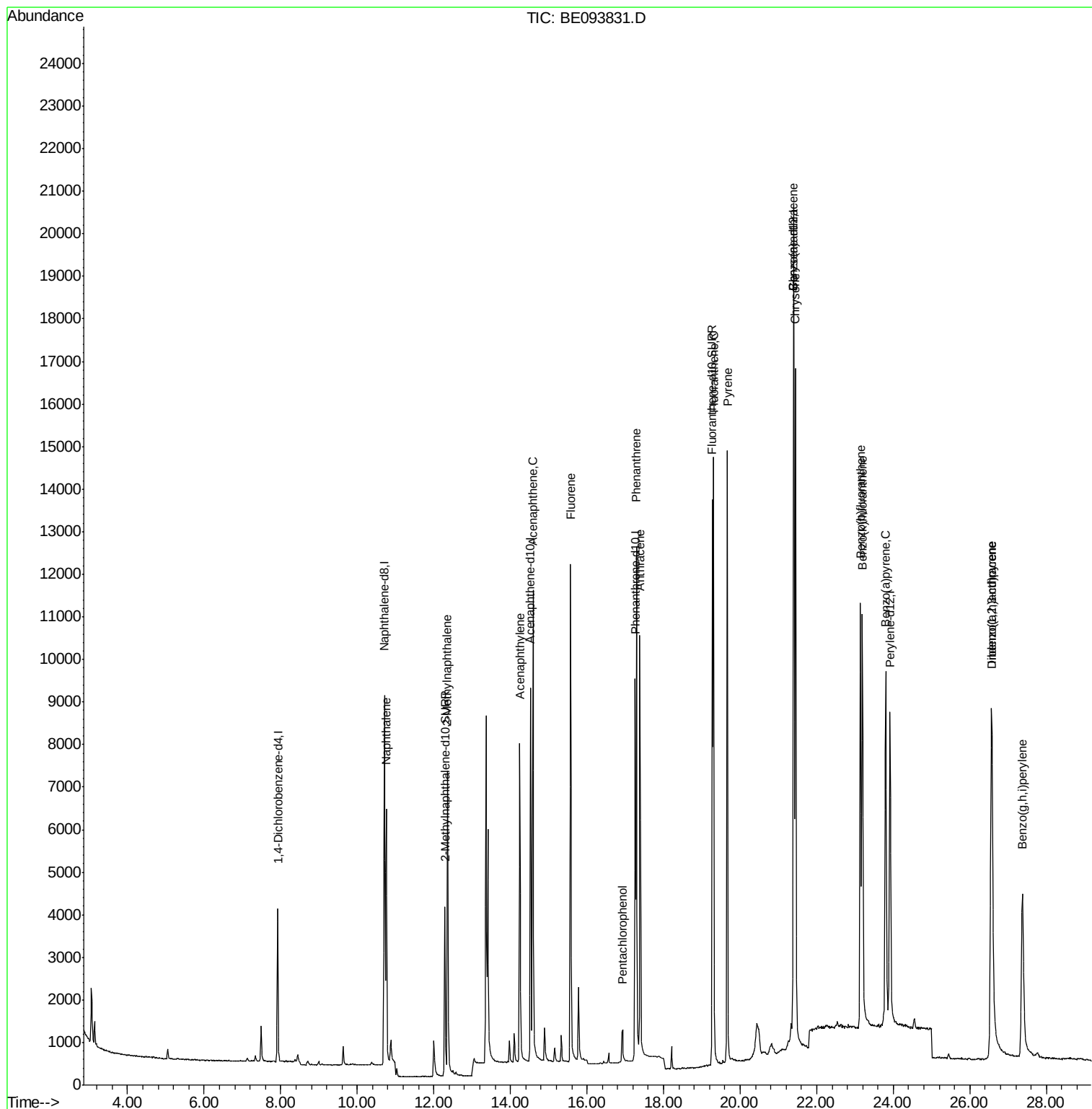
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10201	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5790	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13246	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14742	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	12663	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	6371	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	15694	0.38	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	9807	0.395	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	6770	0.374	ng/ul	99
7) Acenaphthylene	14.24	152	10103	0.417	ng/ul	97
8) Acenaphthene	14.59	153	7418	0.389	ng/ul	98
9) Fluorene	15.57	166	8561	0.355	ng/ul#	89
11) Pentachlorophenol	16.93	266	929	0.425	ng/ul	97
12) Phenanthrene	17.29	178	13883	0.385	ng/ul#	90
13) Anthracene	17.38	178	13912	0.396	ng/ul#	89
15) Fluoranthene	19.30	202	16404	0.364	ng/ul	85
17) Pyrene	19.66	202	17430	0.405	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	16556	0.387	ng/ul#	87
19) Chrysene	21.45	228	16406	0.400	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	14416	0.368	ng/ul	88
22) Benzo(k)fluoranthene	23.20	252	15622	0.404	ng/ul#	90
23) Benzo(a)pyrene	23.80	252	14701	0.395	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.56	276	14237	0.346	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.58	278	11869	0.345	ng/ul	95
26) Benzo(g,h,i)perylene	27.37	276	11624	0.335	ng/ul	99

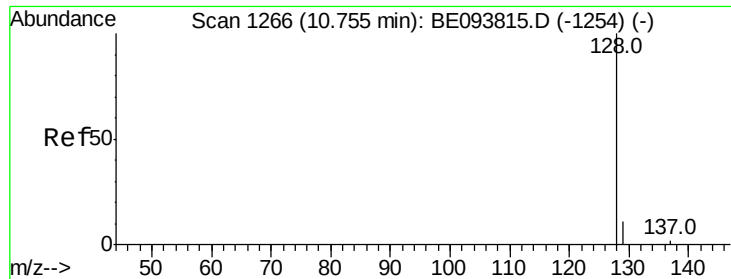
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

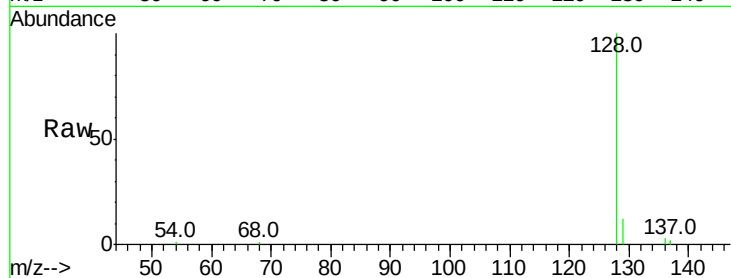
Tot Ion:128 Resp: 9807

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

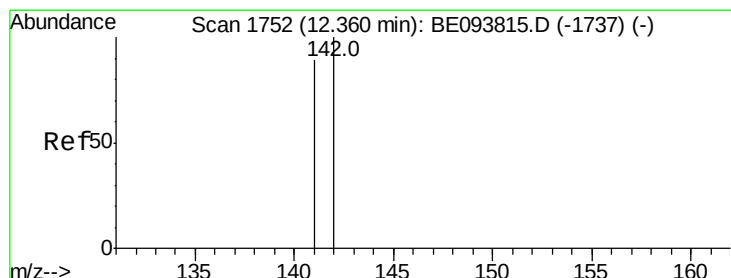
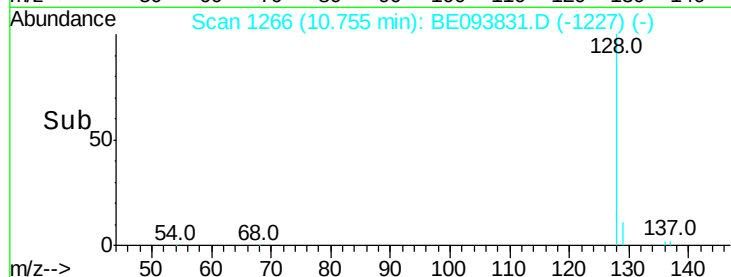
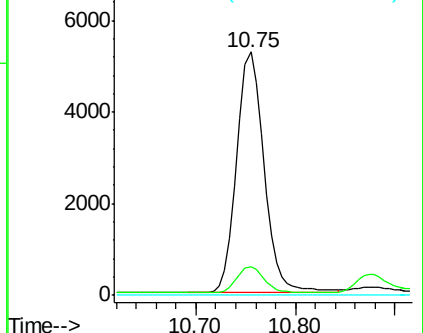
127 0.0 4.0 6.0#



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: BE093831.D

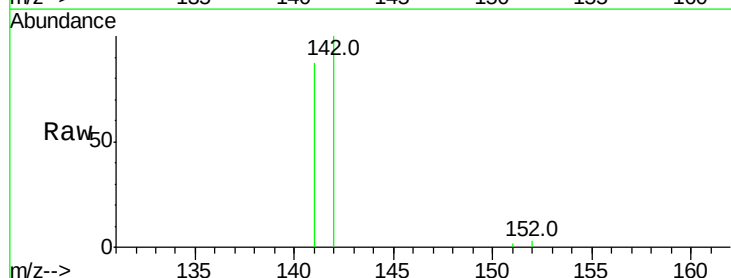
Acq: 16 Aug 2017 5:44

Tgt Ion:142 Resp: 6770

Ion Ratio Lower Upper

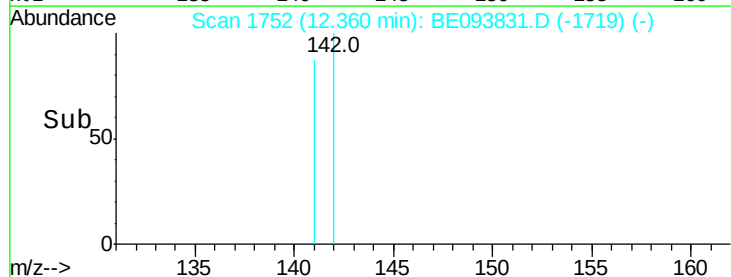
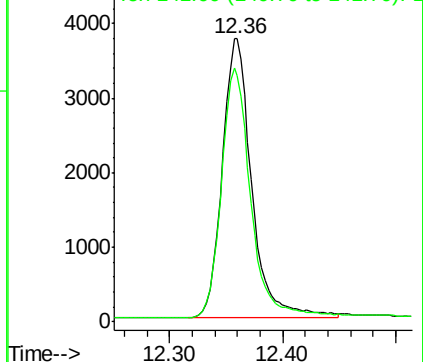
142 100

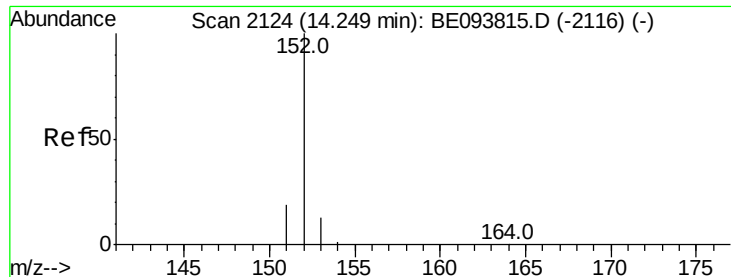
141 89.3 72.6 108.8



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# 2123

Delta R.T. -0.01 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

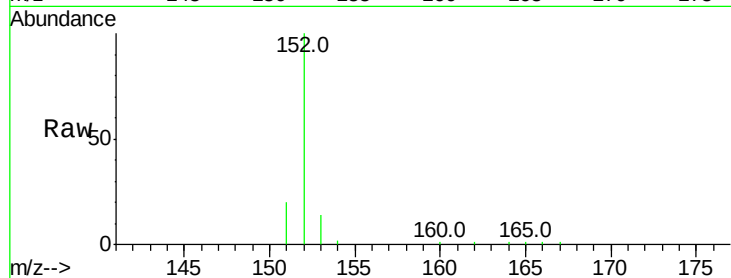
Tot Ion:152 Resp: 10103

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

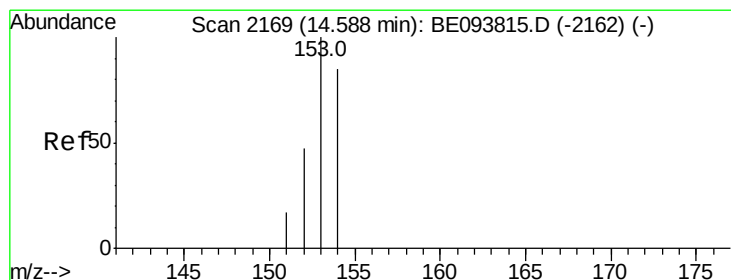
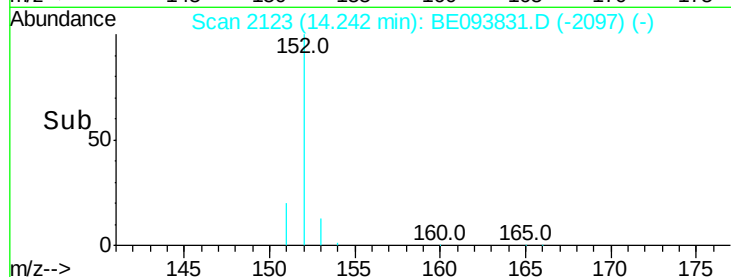
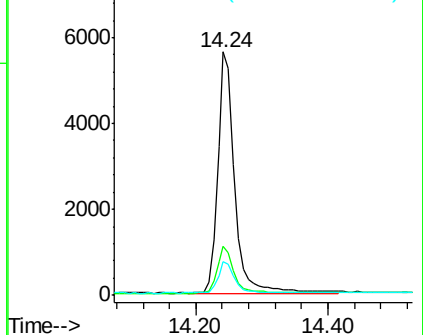
153 13.8 12.8 19.2



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: 0.389 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

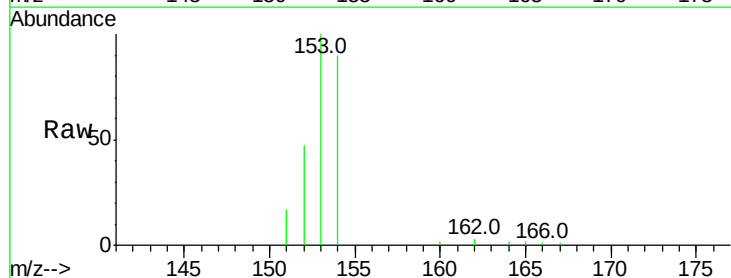
Tgt Ion:153 Resp: 7418

Ion Ratio Lower Upper

153 100

152 47.3 40.3 60.5

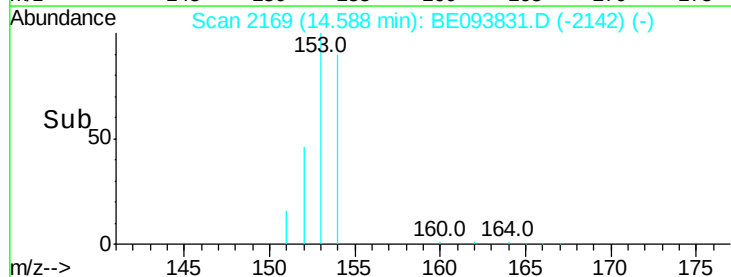
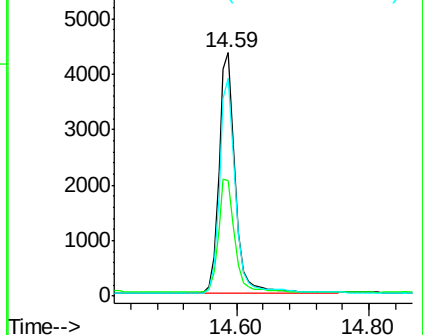
154 89.8 71.4 107.2

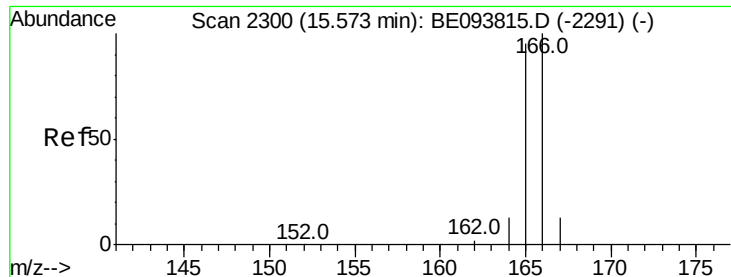


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.355 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

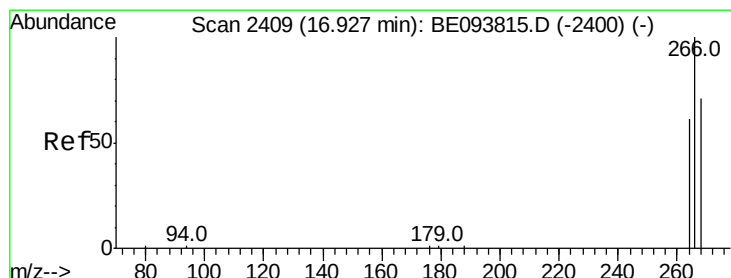
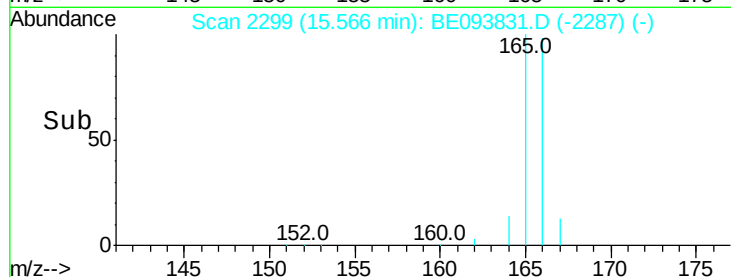
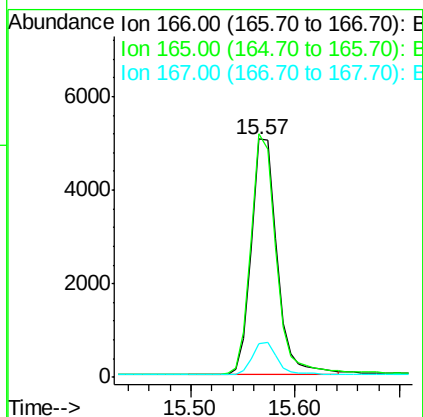
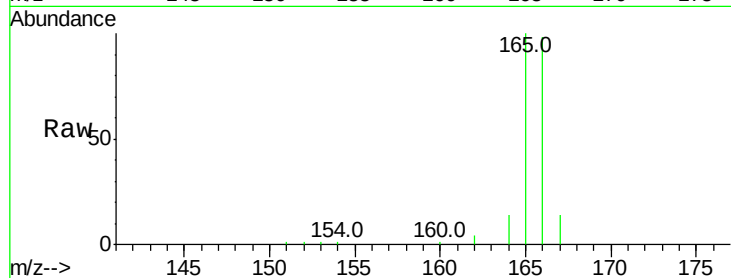
Tot Ion:166 Resp: 8561

Ion Ratio Lower Upper

166 100

165 102.2 73.4 110.2

167 14.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.425 ng/ul

RT: 16.93 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

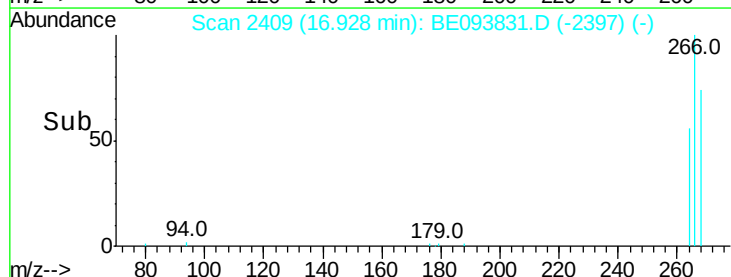
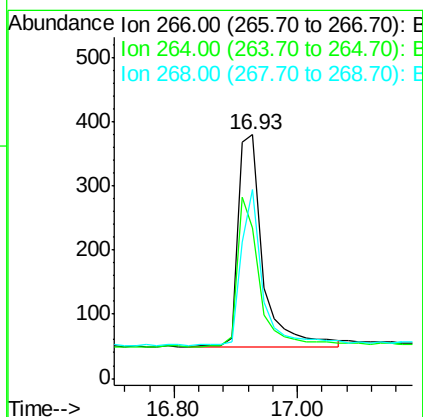
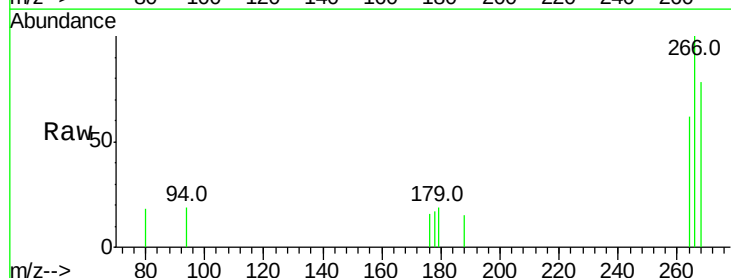
Tgt Ion:266 Resp: 929

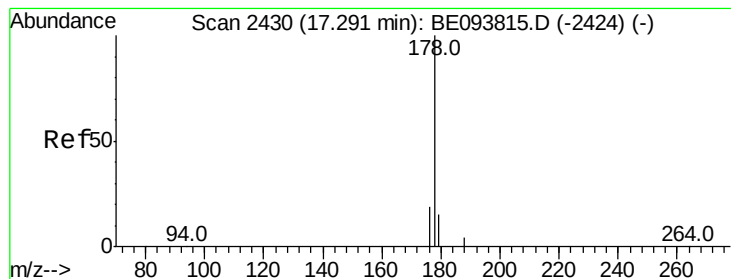
Ion Ratio Lower Upper

266 100

264 63.5 47.9 71.9

268 64.0 49.8 74.8





#12

Phenanthrene

Concen: 0.385 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

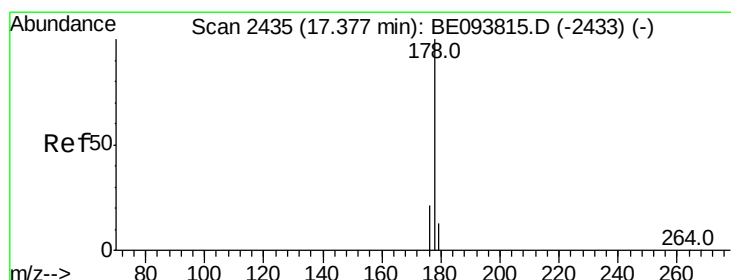
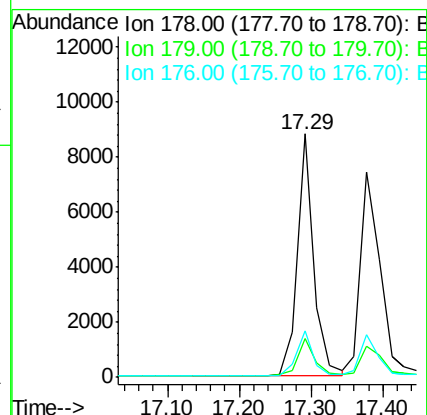
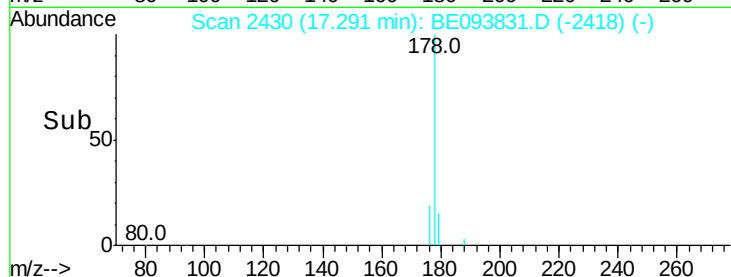
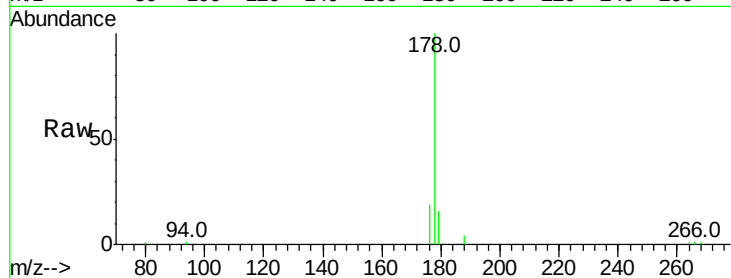
Tot Ion:178 Resp: 13883

Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 19.1 13.6 20.4



#13

Anthracene

Concen: 0.396 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

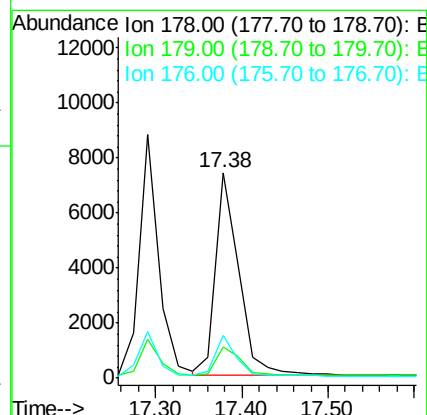
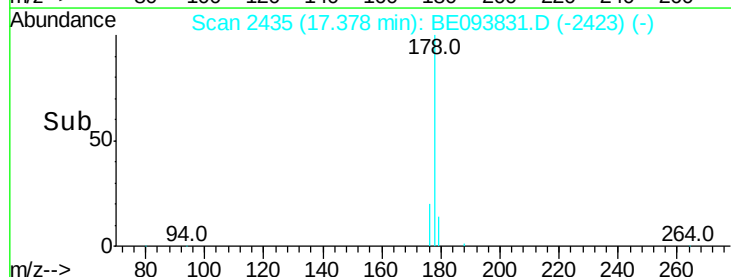
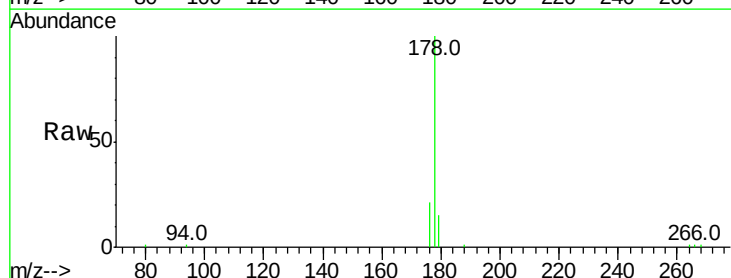
Tgt Ion:178 Resp: 13912

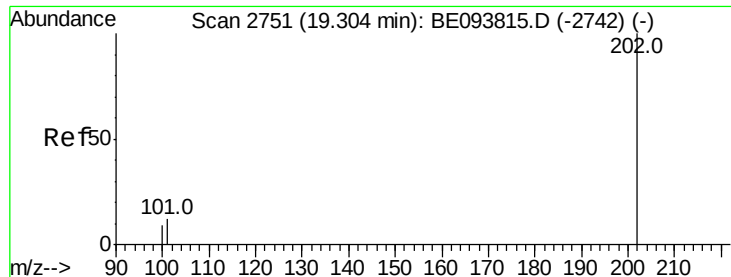
Ion Ratio Lower Upper

178 100

179 15.1 18.1 27.1#

176 20.6 14.7 22.1





#15

Fluoranthene

Concen: 0.364 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

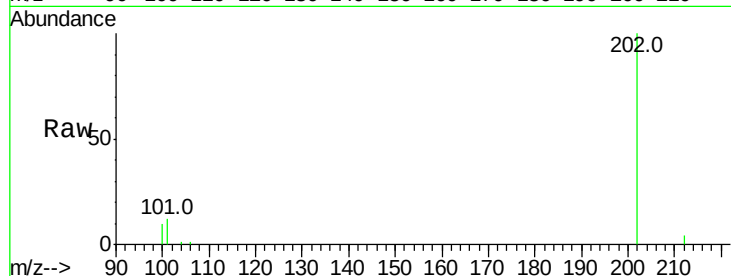
Tot Ion:202 Resp: 16404

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

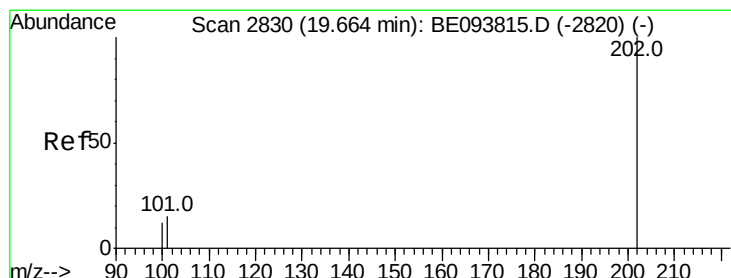
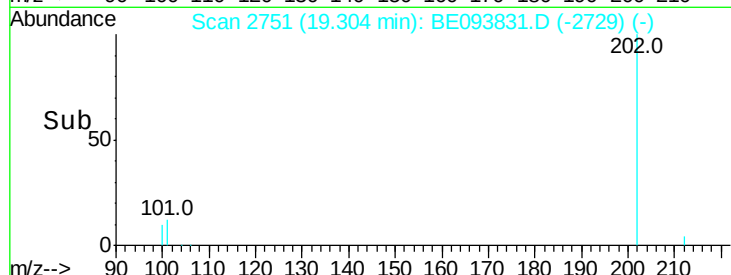
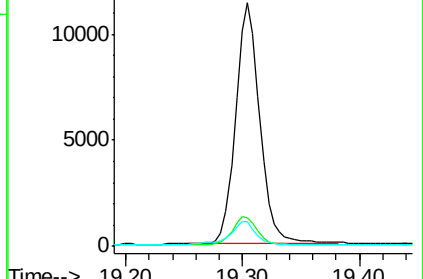
100 10.2 0.0 39.5



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: 0.405 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

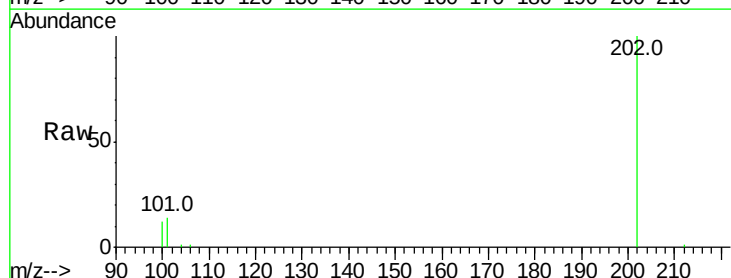
Tgt Ion:202 Resp: 17430

Ion Ratio Lower Upper

202 100

101 13.8 18.2 27.4#

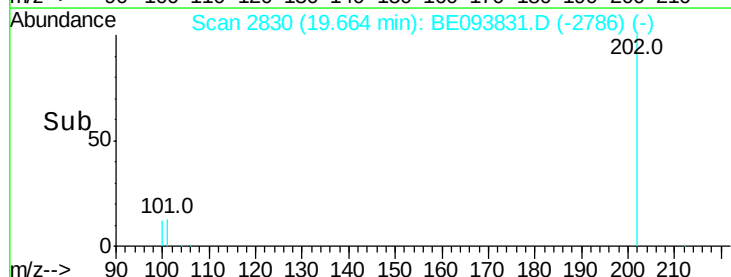
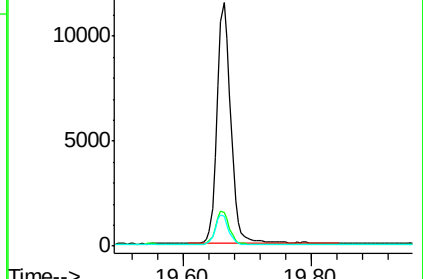
100 12.0 15.6 23.4#

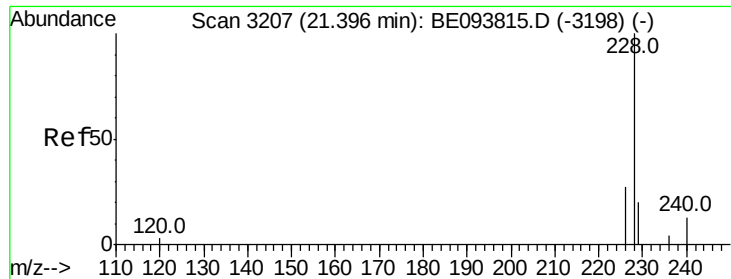


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.387 ng/ul

RT: 21.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

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SSTD0.408

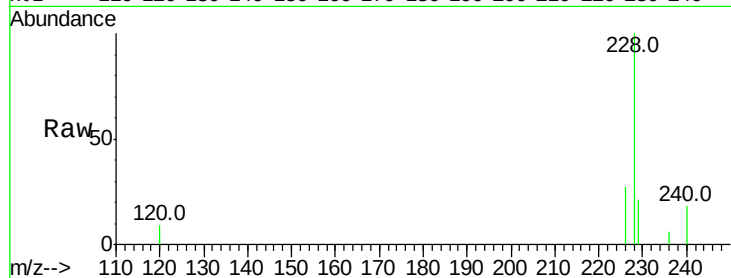
Tot Ion:228 Resp: 16556

Ion Ratio Lower Upper

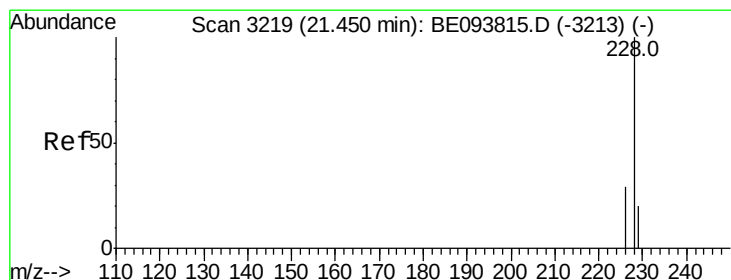
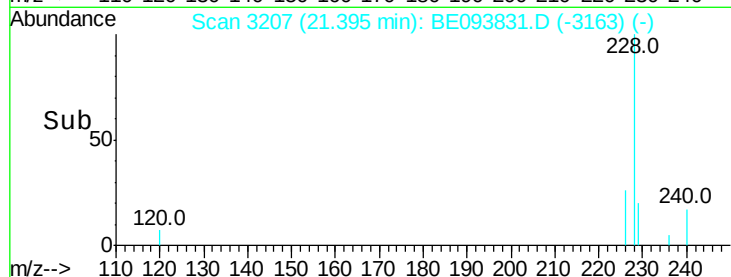
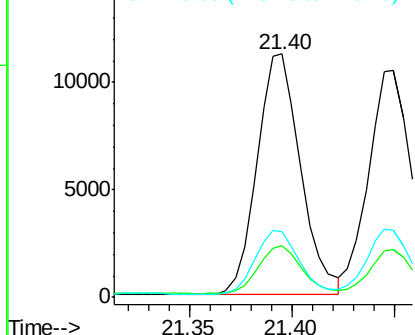
228 100

229 21.2 22.8 34.2#

226 27.1 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# 3219

Delta R.T. -0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

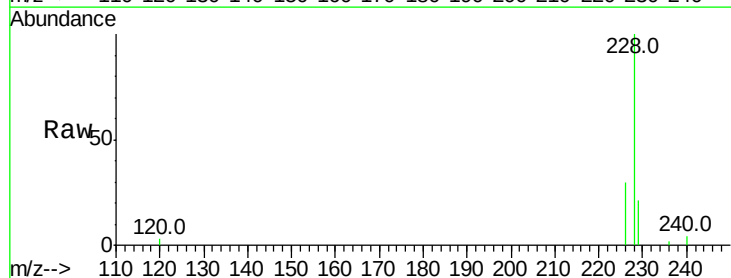
Tgt Ion:228 Resp: 16406

Ion Ratio Lower Upper

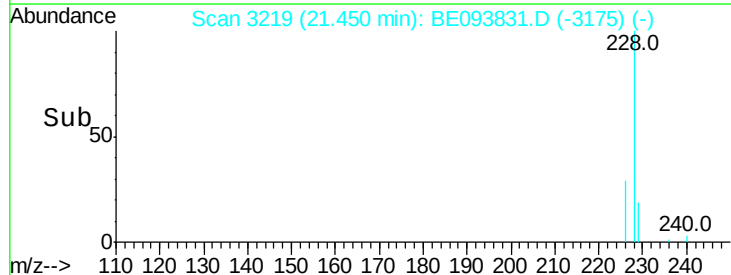
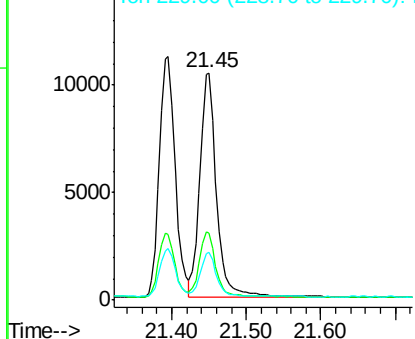
228 100

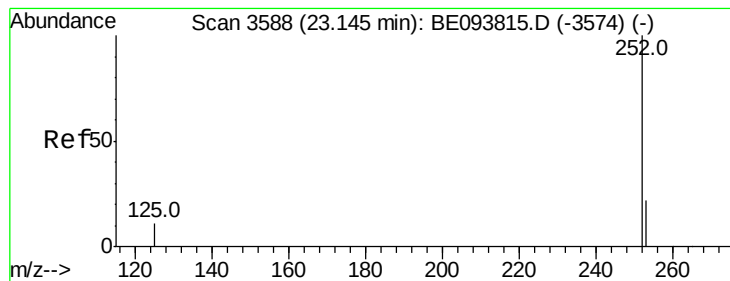
226 29.6 23.4 35.0

229 20.8 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: 0.368 ng/ul

RT: 23.15 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

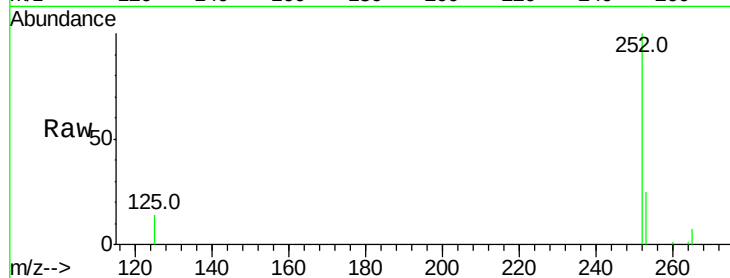
Tot Ion:252 Resp: 14416

Ion Ratio Lower Upper

252 100

253 24.8 0.0 64.2

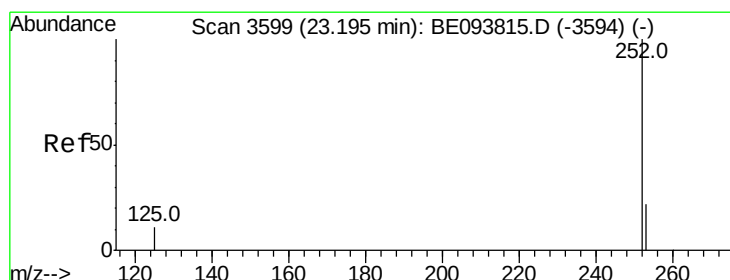
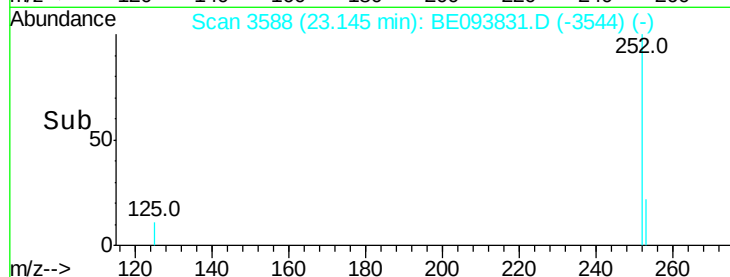
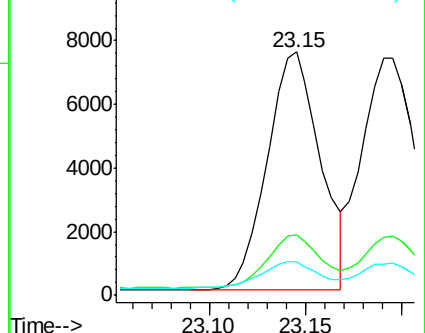
125 13.6 0.0 35.0



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/ul

RT: 23.20 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

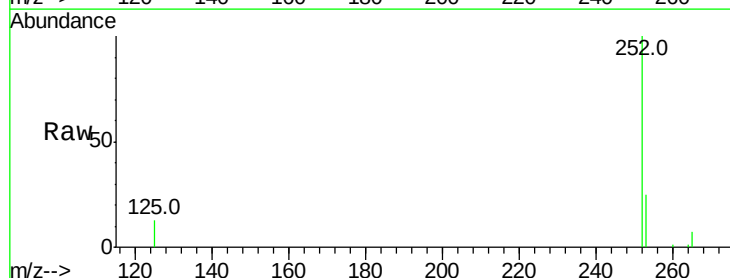
Tgt Ion:252 Resp: 15622

Ion Ratio Lower Upper

252 100

253 24.9 24.5 36.7

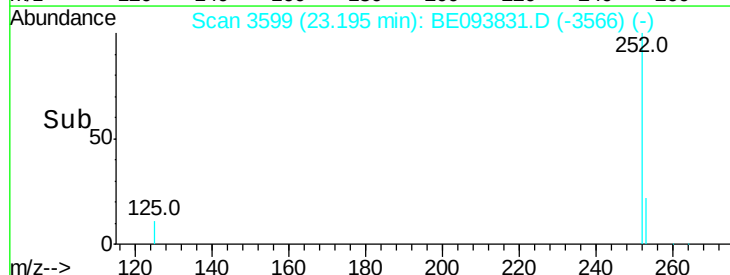
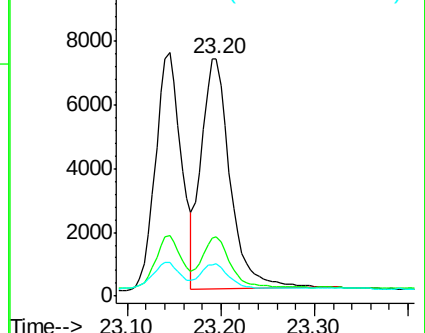
125 13.4 13.7 20.5#

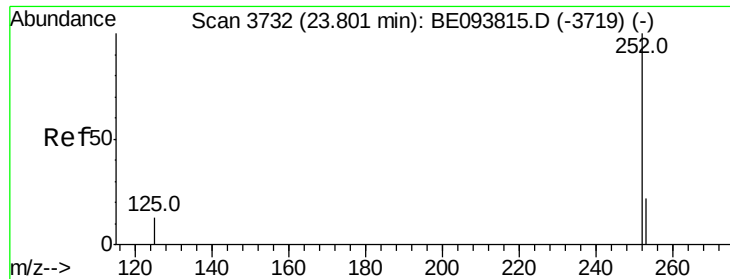


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.395 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. 0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.408

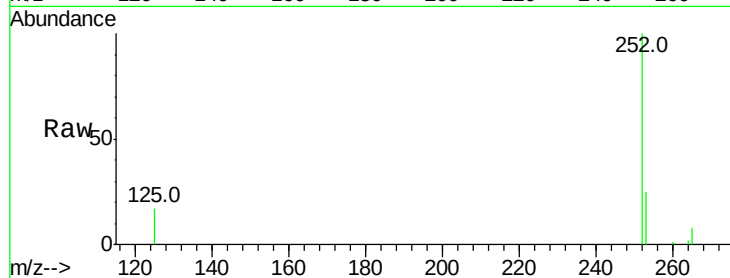
Tot Ion:252 Resp: 14701

Ion Ratio Lower Upper

252 100

253 25.2 28.5 42.7#

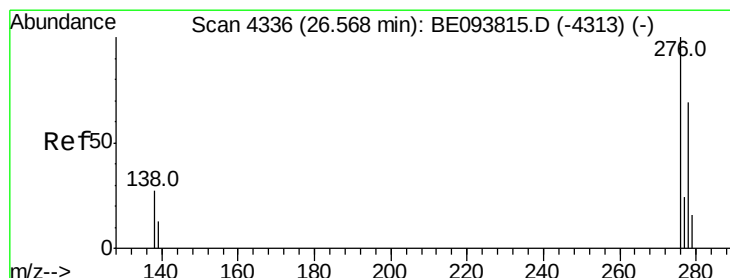
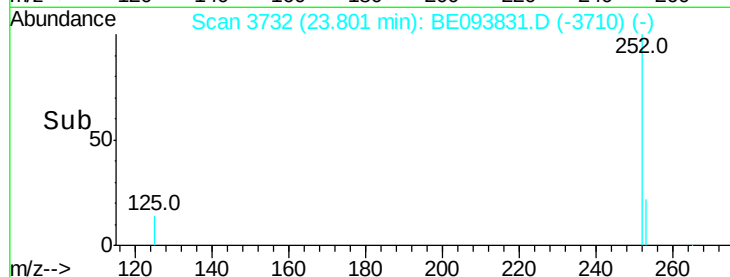
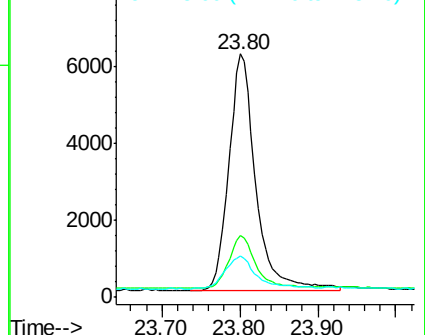
125 16.8 18.1 27.1#



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: 0.346 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.00 min

Lab File: BE093831.D

Acq: 16 Aug 2017 5:44

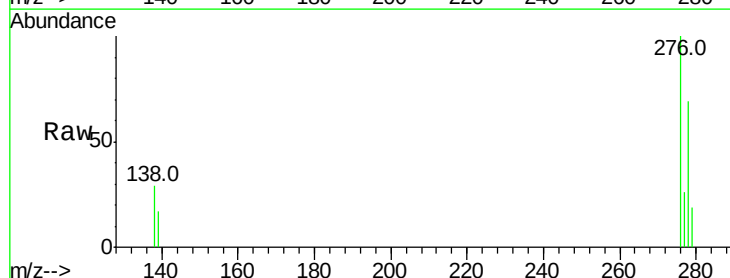
Tgt Ion:276 Resp: 14237

Ion Ratio Lower Upper

276 100

138 28.7 28.0 42.0

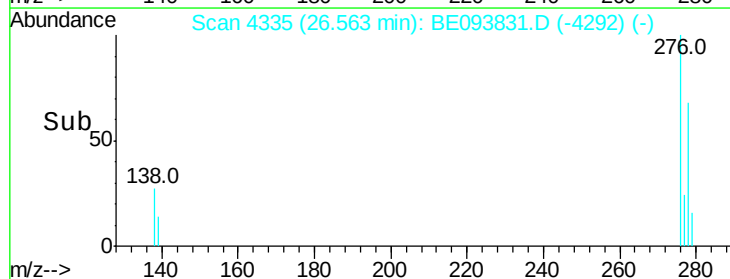
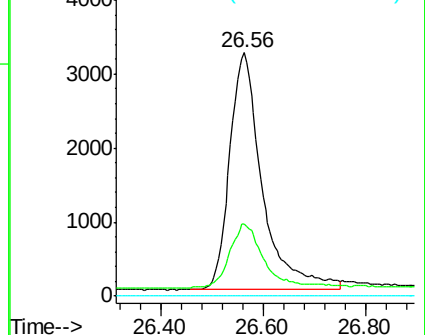
227 0.0 8.0 12.0#

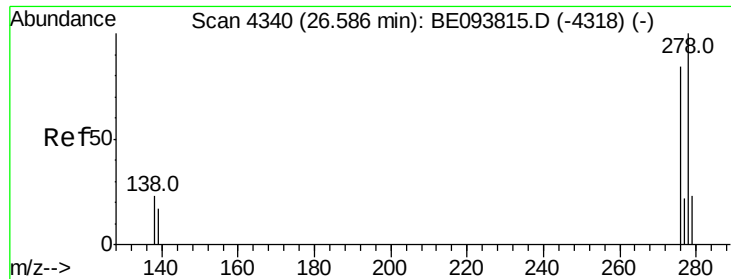


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



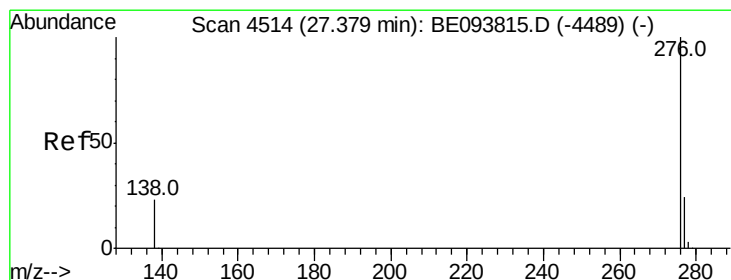
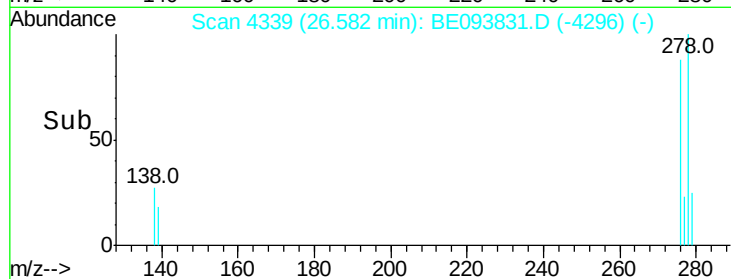
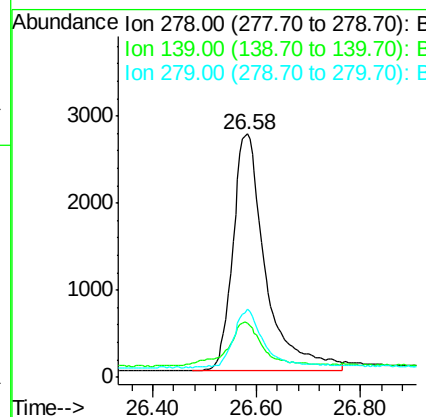
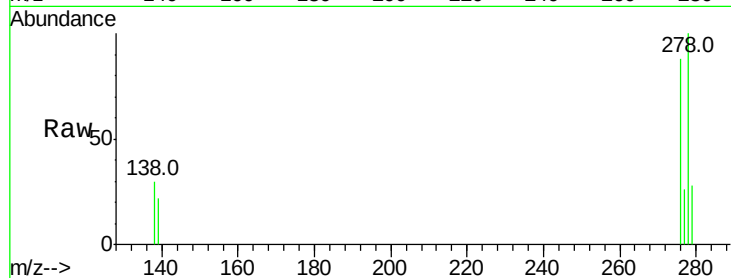


#25
Dibenzo(a,h)anthracene
Concen: 0.345 ng/ul
RT: 26.58 min Scan# 4339
Delta R.T. -0.00 min
Lab File: BE093831.D
Acq: 16 Aug 2017 5:44

Instrument :
BNA_E
ClientSampleId :
SSTD0.408

Tot Ion:278 Resp: 11869

Ion	Ratio	Lower	Upper
278	100		
139	22.4	17.4	26.0
279	27.9	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.335 ng/ul
RT: 27.37 min Scan# 4512
Delta R.T. -0.01 min
Lab File: BE093831.D
Acq: 16 Aug 2017 5:44

Tgt Ion:276 Resp: 11624

Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.8	32.8
277	25.8	20.5	30.7

