

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093839.D
 Acq On : 16 Aug 2017 14:08
 Operator : SJ/JU
 Sample : I4672-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH1

Quant Time: Aug 17 00:59:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

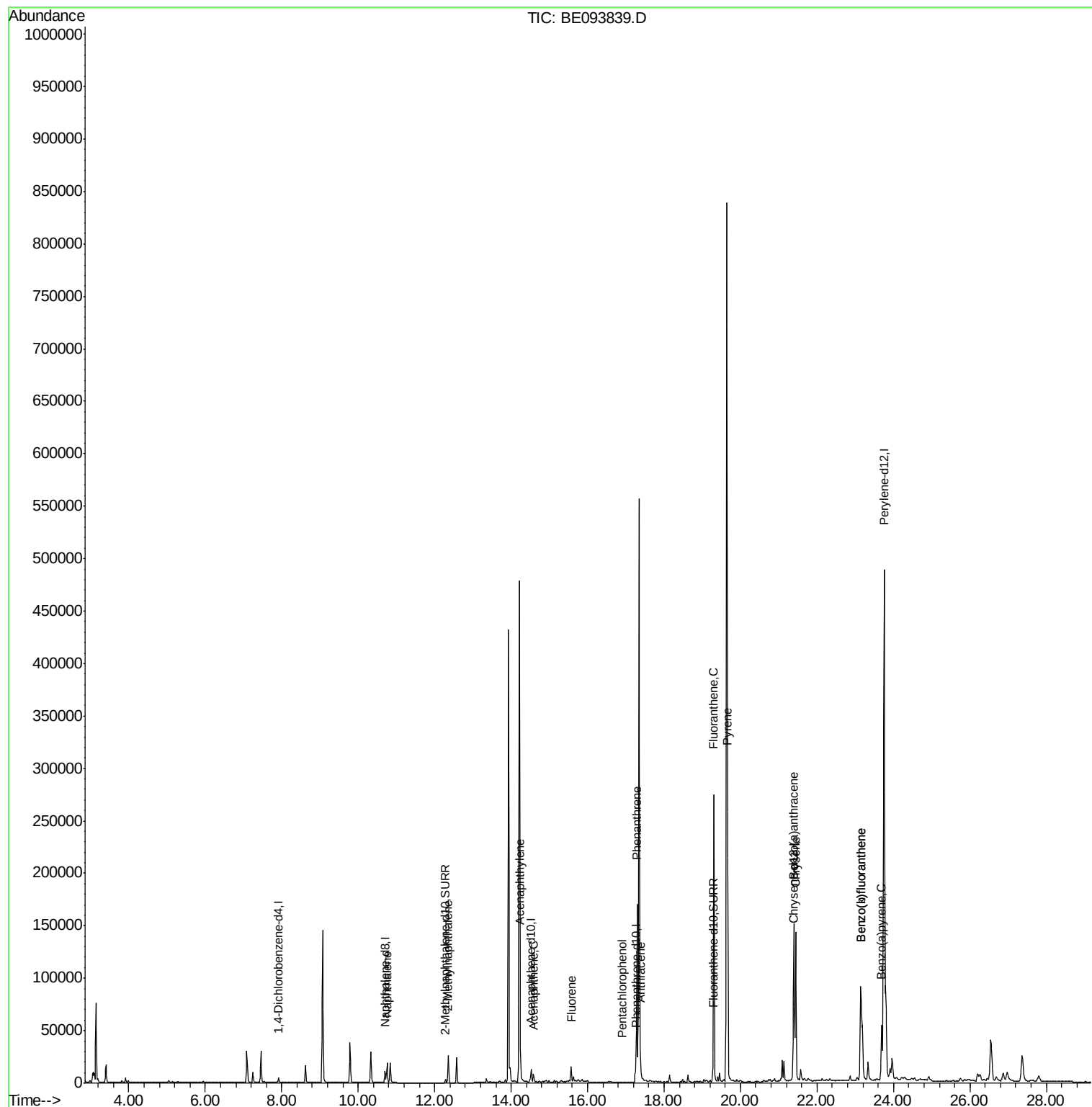
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2185	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11555	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7004	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14794	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	15463	0.40	ng/ul	0.00
20) Perylene-d12	23.75	264	708980	0.40	ng/ul	-0.16
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4188	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	10239	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	29996	1.067	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	22865	1.115	ng/ul	99
7) Acenaphthylene	14.24	152	11691	0.399	ng/ul	98
8) Acenaphthene	14.58	153	4806	0.209	ng/ul	96
9) Fluorene	15.57	166	8707	0.299	ng/ul	93
11) Pentachlorophenol	16.91	266	58	0.024	ng/ul#	71
12) Phenanthrene	17.29	178	189508	4.704	ng/ul#	90
13) Anthracene	17.38	178	25279	0.644	ng/ul#	91
15) Fluoranthene	19.30	202	306128	6.076	ng/ul	85
17) Pyrene	19.66	202	281989	6.248	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	135383	3.020	ng/ul#	85
19) Chrysene	21.44	228	149112	3.468	ng/ul	99
21) Benzo(b)fluoranthene	23.14	252	166568	0.076	ng/ul	86
22) Benzo(k)fluoranthene	23.14	252	156229	0.072	ng/ul#	88
23) Benzo(a)pyrene	23.69	252	84832	0.041	ng/ul#	83

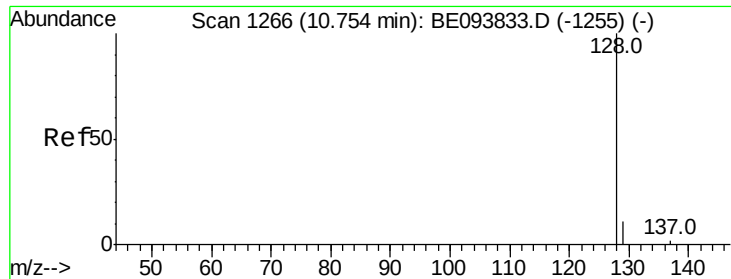
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.067 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

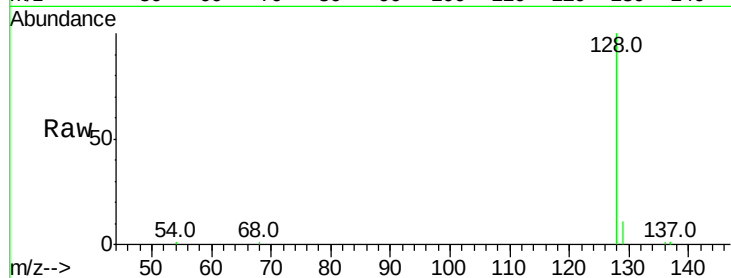
Tot Ion:128 Resp: 29996

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

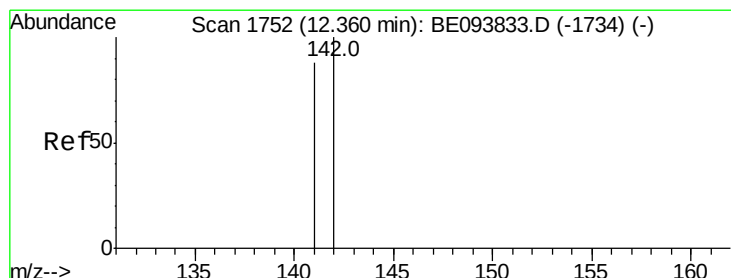
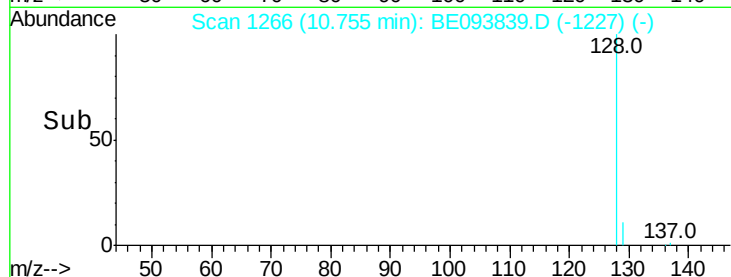
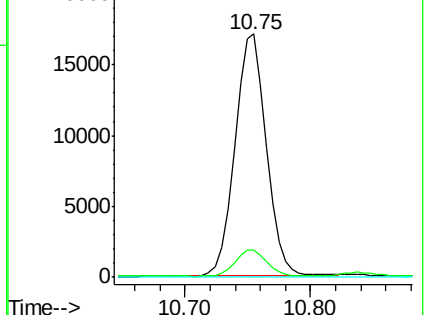
127 0.0 4.0 6.0#



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: 1.115 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093839.D

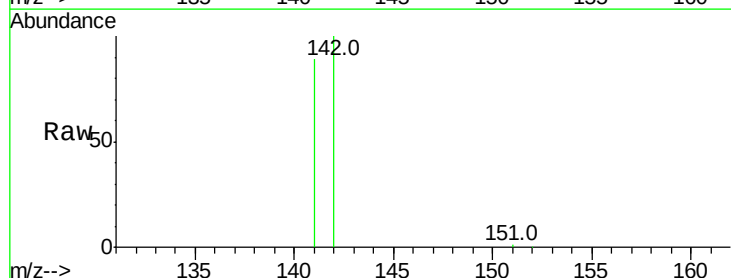
Acq: 16 Aug 2017 14:08

Tgt Ion:142 Resp: 22865

Ion Ratio Lower Upper

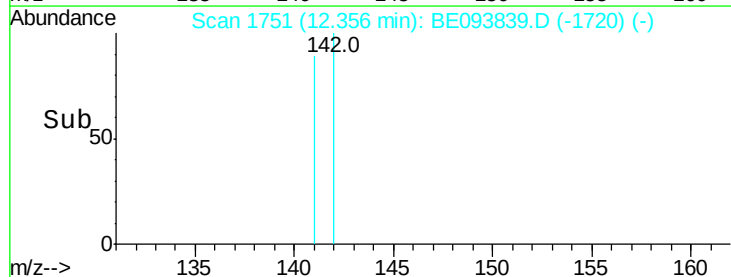
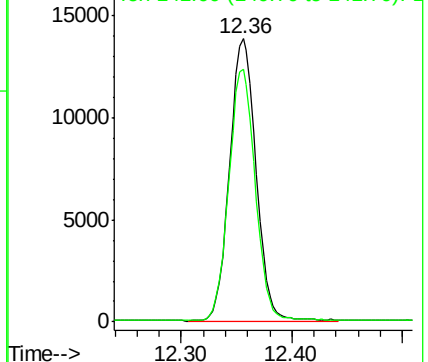
142 100

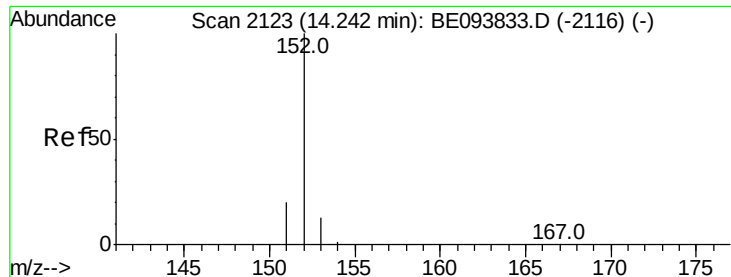
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.399 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

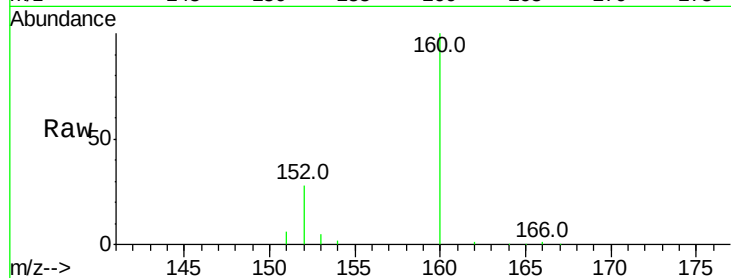
Tot Ion:152 Resp: 11691

Ion Ratio Lower Upper

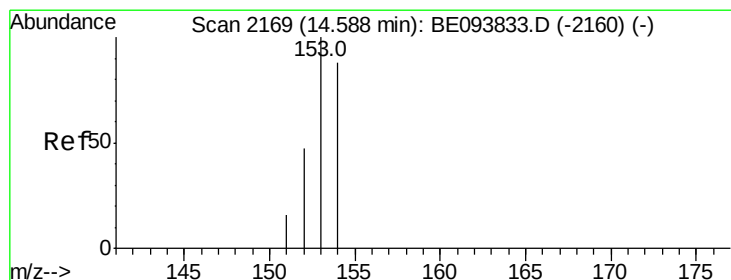
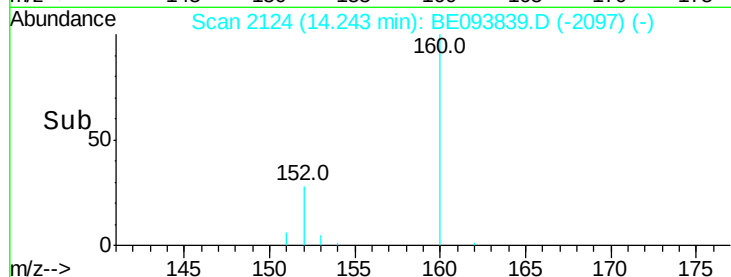
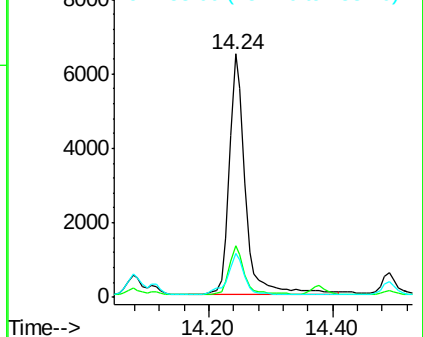
152 100

151 21.3 17.1 25.7

153 18.1 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: 0.209 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

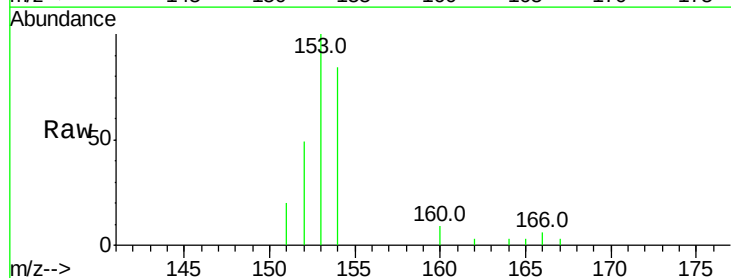
Tgt Ion:153 Resp: 4806

Ion Ratio Lower Upper

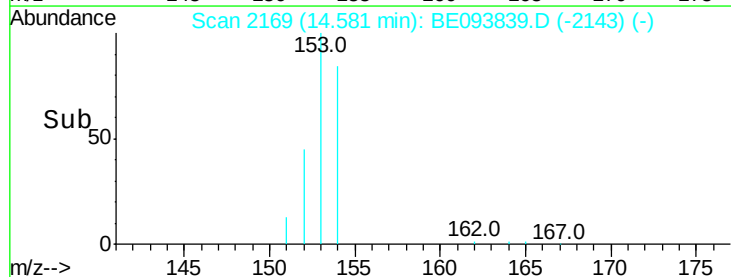
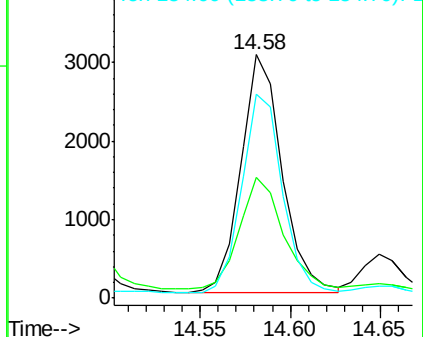
153 100

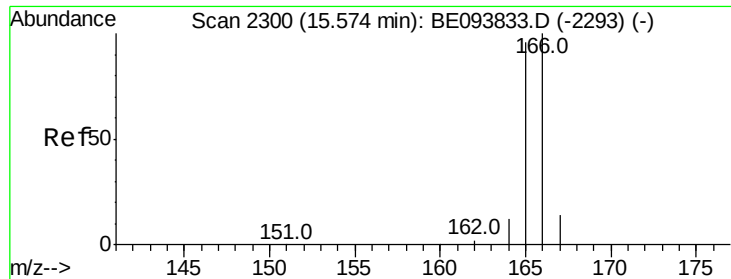
152 49.5 40.3 60.5

154 83.8 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: 0.299 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

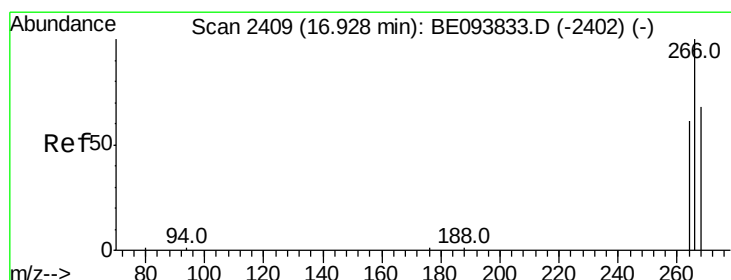
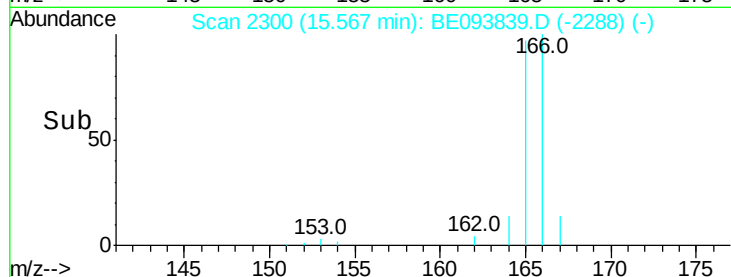
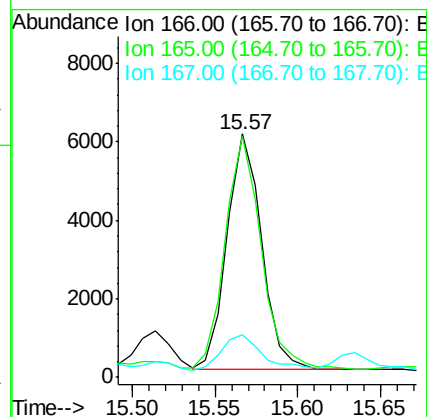
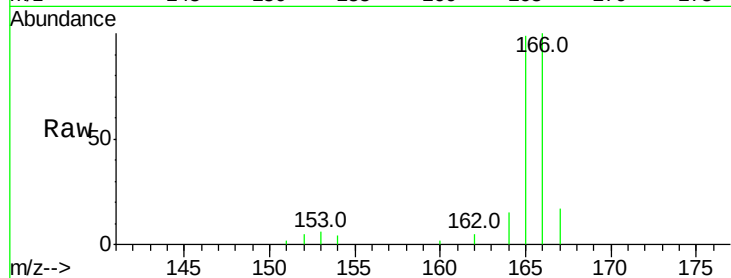
Tot Ion:166 Resp: 8707

Ion Ratio Lower Upper

166 100

165 99.1 73.4 110.2

167 17.3 14.6 22.0



#11

Pentachlorophenol

Concen: 0.024 ng/ul

RT: 16.91 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

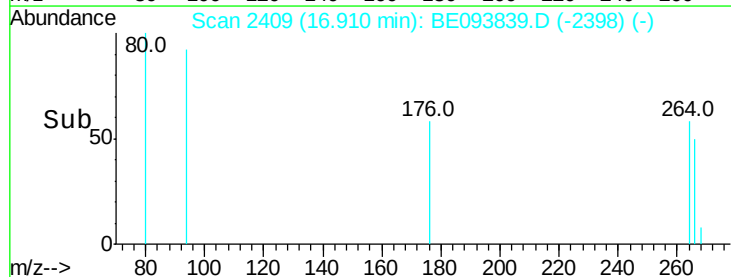
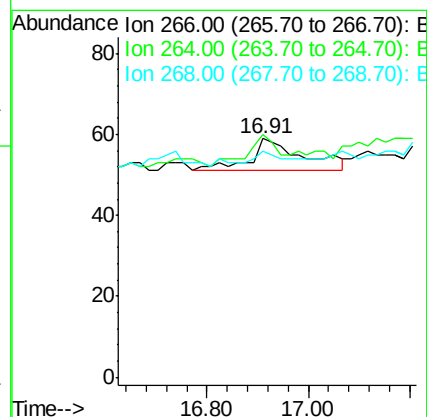
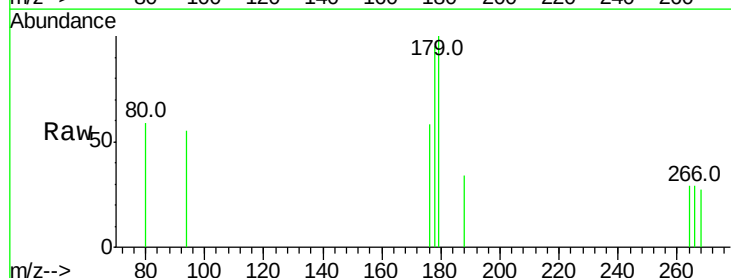
Tgt Ion:266 Resp: 58

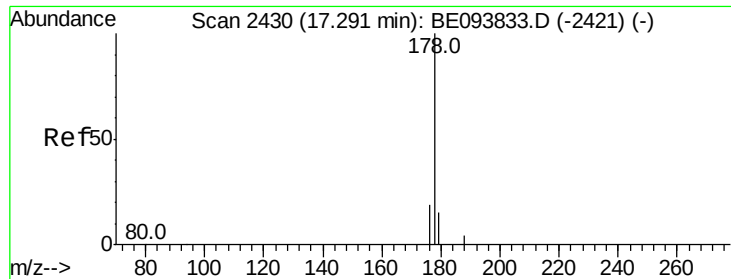
Ion Ratio Lower Upper

266 100

264 58.6 47.9 71.9

268 19.0 49.8 74.8#





#12

Phenanthrene

Concen: 4.704 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

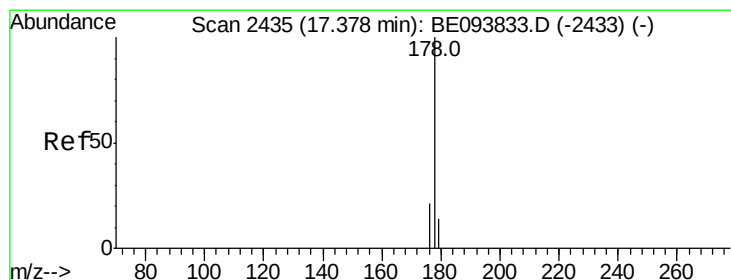
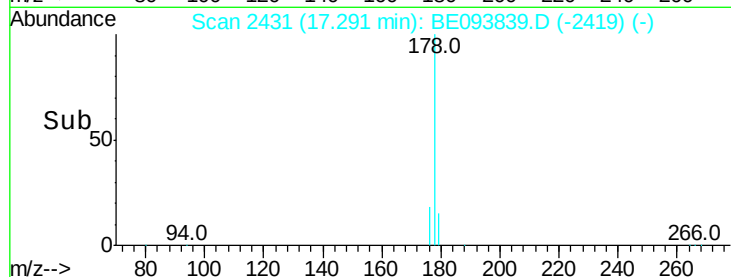
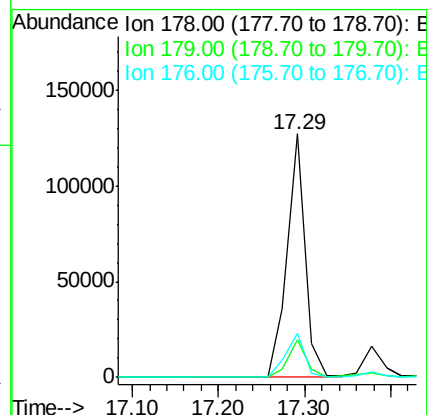
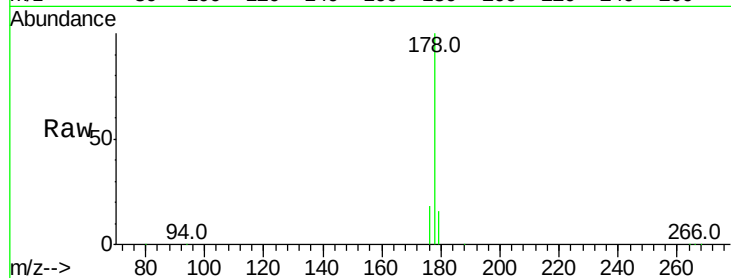
Tot Ion:178 Resp: 189508

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

176 18.0 13.6 20.4



#13

Anthracene

Concen: 0.644 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

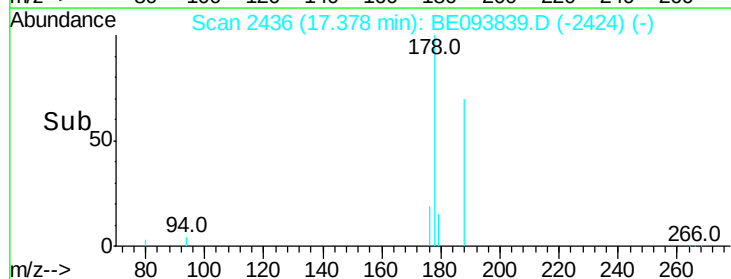
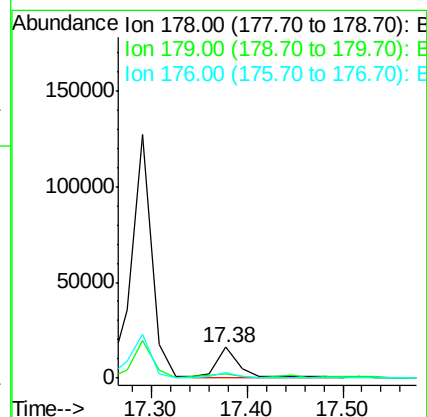
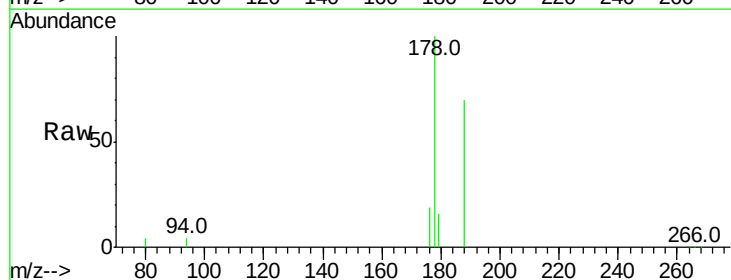
Tgt Ion:178 Resp: 25279

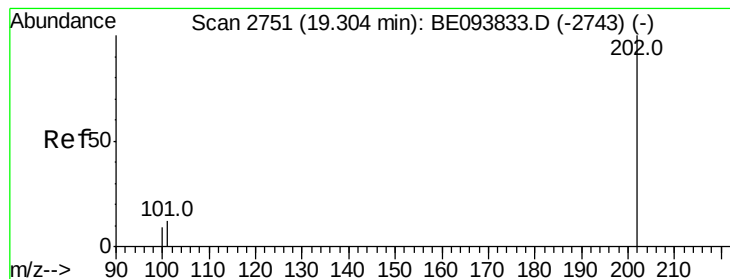
Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

176 19.2 14.7 22.1





#15

Fluoranthene

Concen: 6.076 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

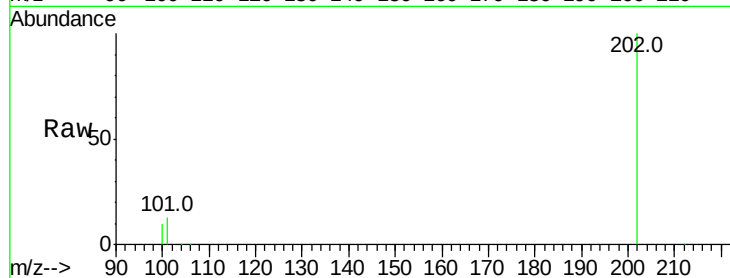
Tot Ion:202 Resp: 306128

Ion Ratio Lower Upper

202 100

101 12.7 0.0 30.3

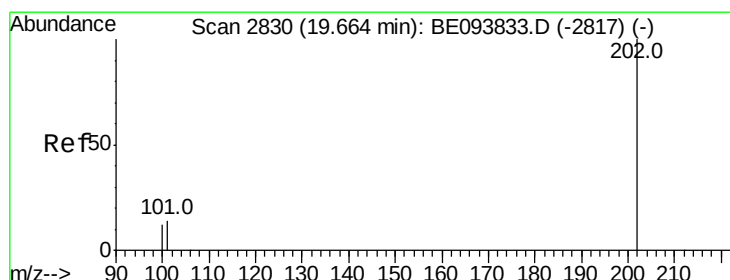
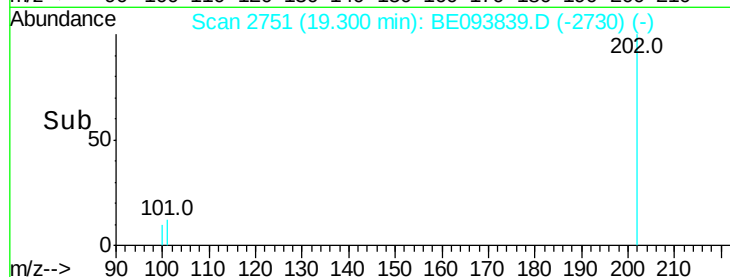
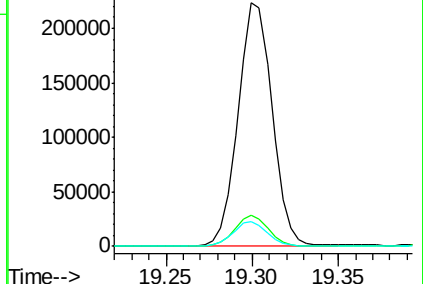
100 10.3 0.0 39.5



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: 6.248 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

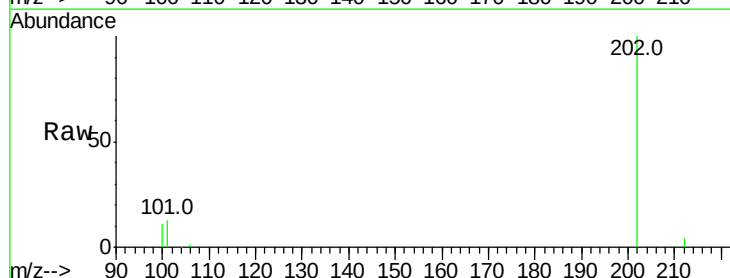
Tgt Ion:202 Resp: 281989

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

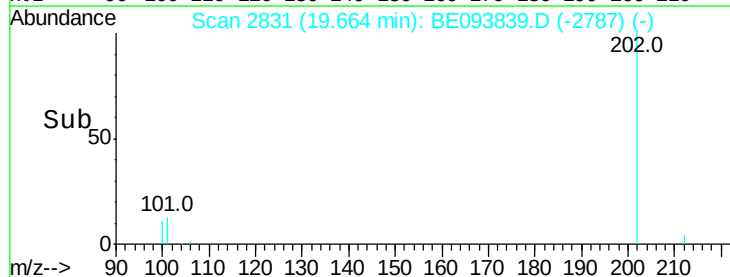
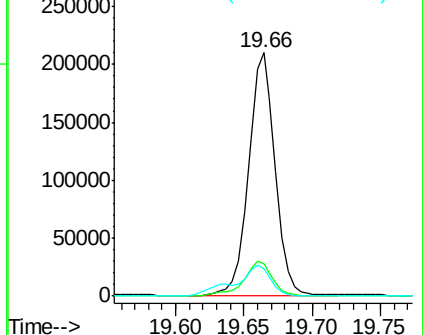
100 11.2 15.6 23.4#

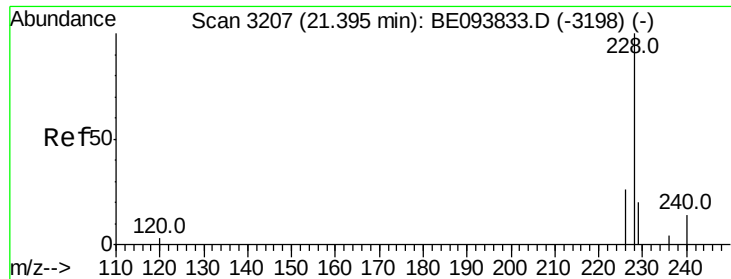


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

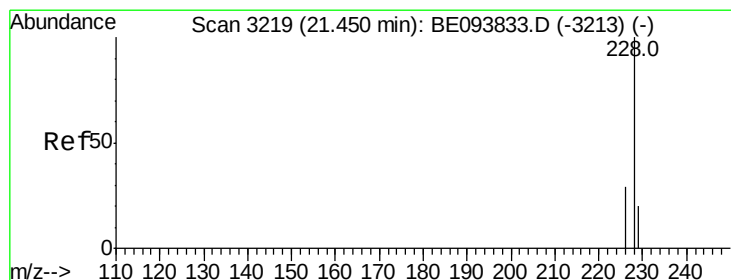
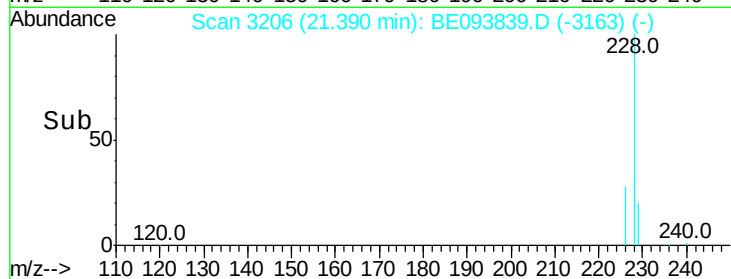
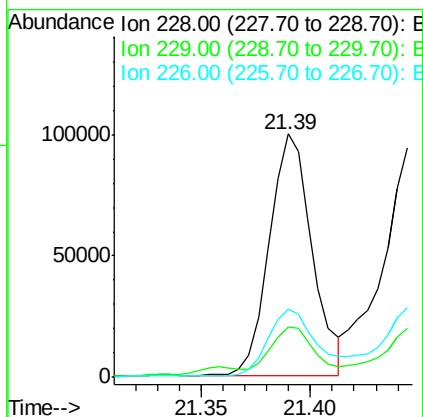
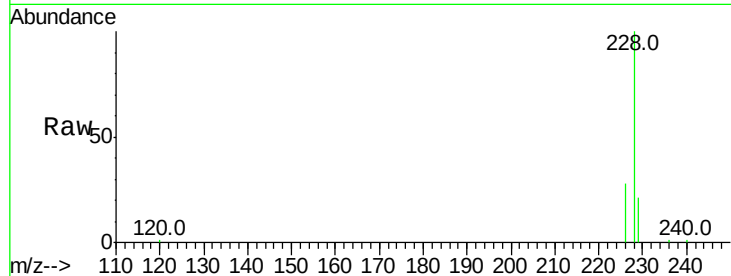




#18
Benzo(a)anthracene
Concen: 3.020 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BE093839.D
Acq: 16 Aug 2017 14:08

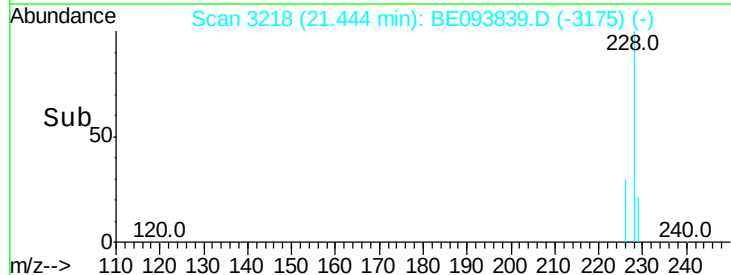
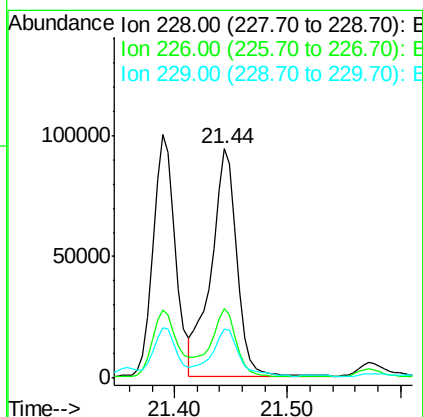
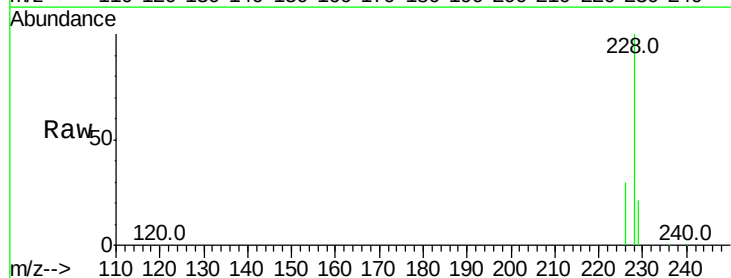
Instrument :
BNA_E
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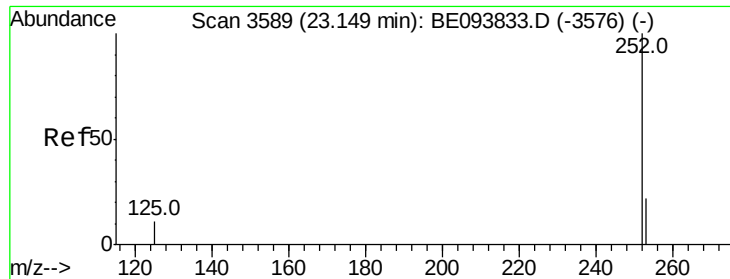
Tot Ion:228 Resp: 135383
Ion Ratio Lower Upper
228 100
229 20.8 22.8 34.2#
226 28.2 17.0 25.6#



#19
Chrysene
Concen: 3.468 ng/ul
RT: 21.44 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BE093839.D
Acq: 16 Aug 2017 14:08

Tgt Ion:228 Resp: 149112
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.0
229 21.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.076 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

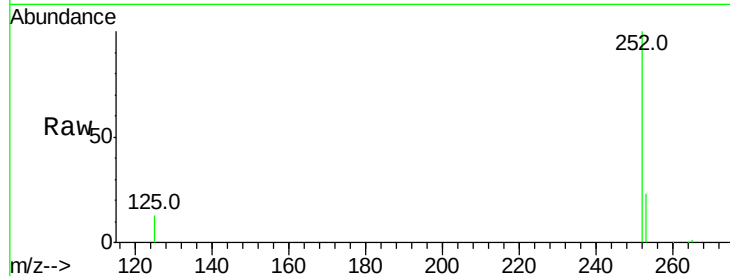
Tot Ion:252 Resp: 166568

Ion Ratio Lower Upper

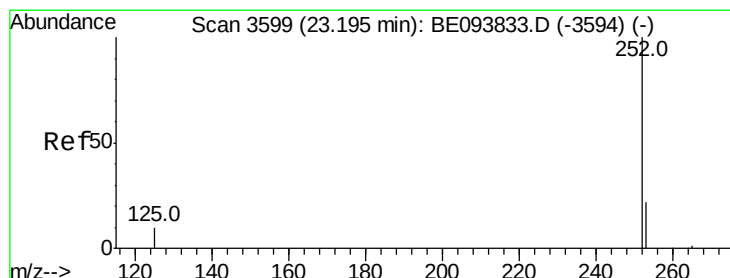
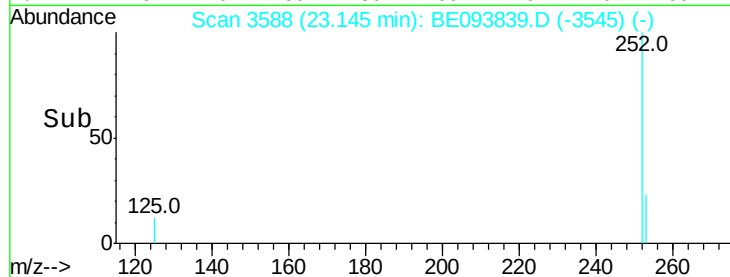
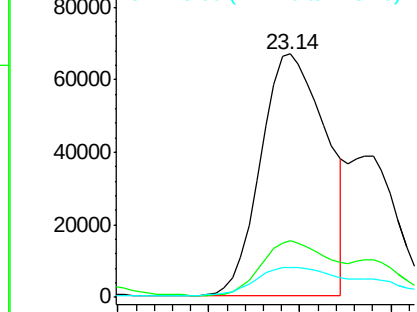
252 100

253 23.5 0.0 64.2

125 12.5 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: 0.072 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

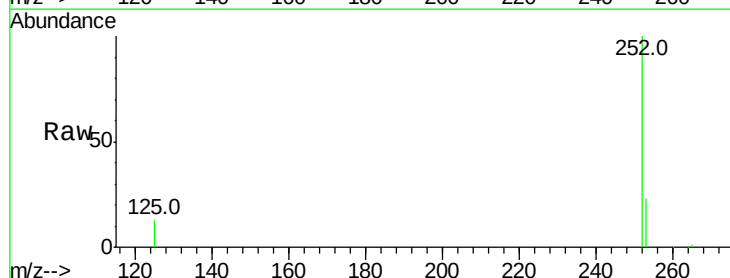
Tgt Ion:252 Resp: 156229

Ion Ratio Lower Upper

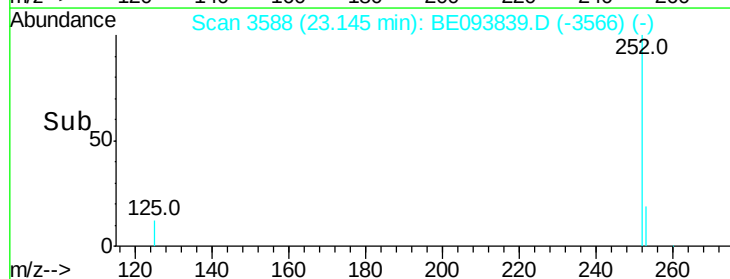
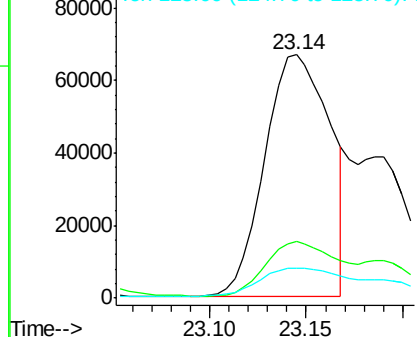
252 100

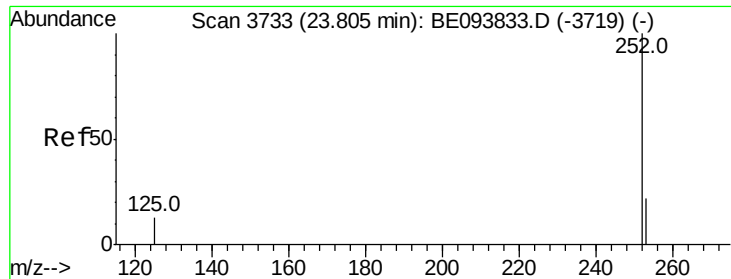
253 23.5 24.5 36.7#

125 12.5 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: 0.041 ng/ul

RT: 23.69 min Scan# 3708

Delta R.T. -0.11 min

Lab File: BE093839.D

Acq: 16 Aug 2017 14:08

Instrument :

BNA_E

ClientSampleId :

C0AH1

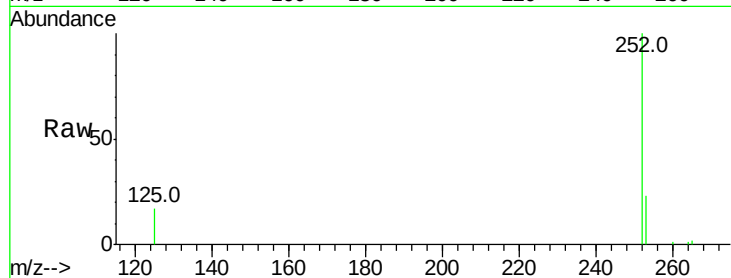
Tot Ion: 252 Resp: 84832

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

125 17.4 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

