

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081117\
 Data File : BE093778.D
 Acq On : 11 Aug 2017 20:13
 Operator : SJ/JU
 Sample : I4455-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AE9DL

Quant Time: Aug 12 02:02:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 12 02:01:53 2017
 Response via : Initial Calibration

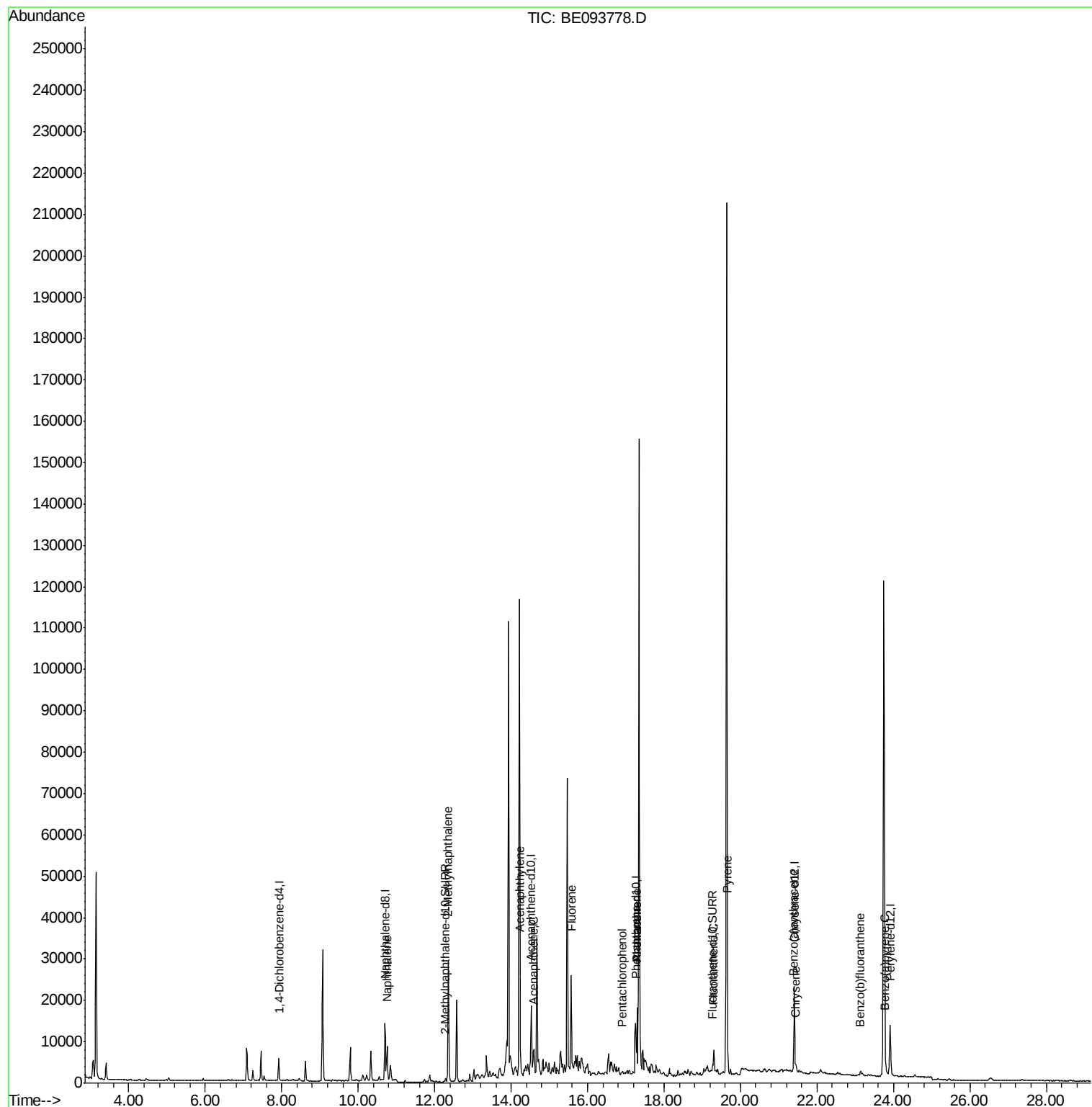
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2782	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	14595	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	8850	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	19694	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19384	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	18936	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1069	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2120	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	12426	0.350	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	24772	0.957	ng/ul	99
7) Acenaphthylene	14.24	152	1310	0.035	ng/ul#	29
8) Acenaphthene	14.58	153	2850	0.098	ng/ul	93
9) Fluorene	15.57	166	14682	0.399	ng/ul	91
11) Pentachlorophenol	16.91	266	106	0.033	ng/ul	88
12) Phenanthrene	17.29	178	18226	0.340	ng/ul#	94
13) Anthracene	17.29	178	17691	0.339	ng/ul	96
15) Fluoranthene	19.30	202	5583	0.083	ng/ul	82
17) Pyrene	19.66	202	9060	0.160	ng/ul#	89
18) Benzo(a)anthracene	21.39	228	2680	0.048	ng/ul#	54
19) Chrysene	21.44	228	2513	0.047	ng/ul#	50
21) Benzo(b)fluoranthene	23.14	252	1404	0.024	ng/ul#	35
23) Benzo(a)pyrene	23.80	252	1624	0.029	ng/ul#	29

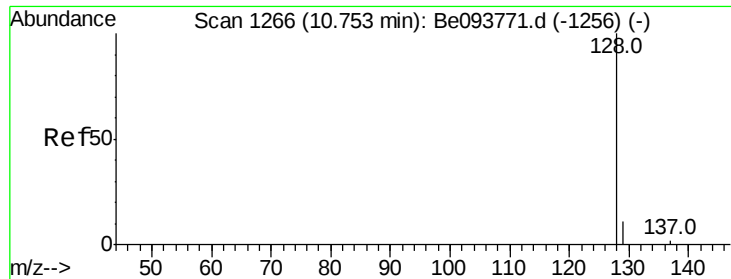
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.350 ng/ul

RT: 10.76 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

C0AE9DL

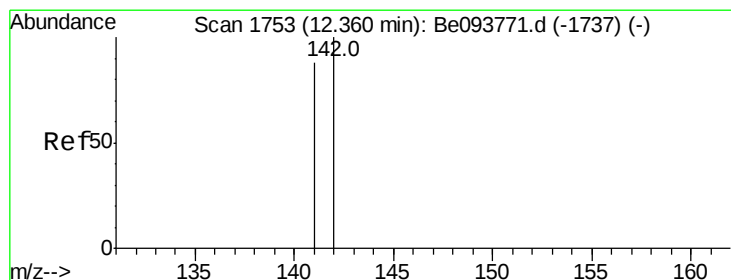
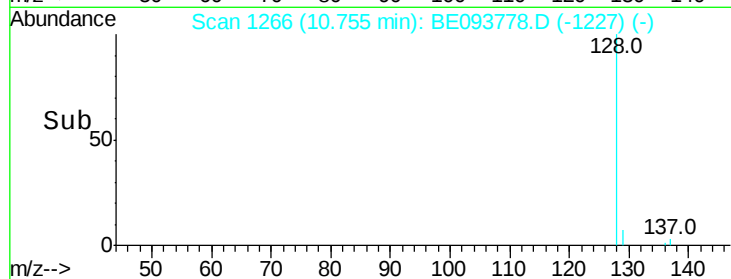
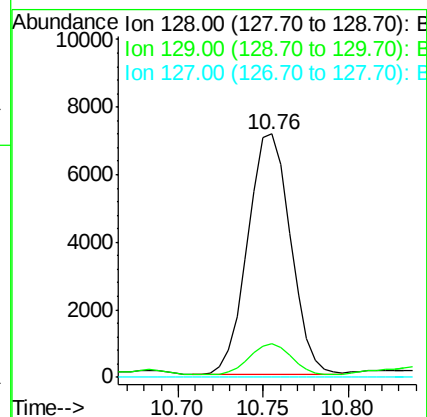
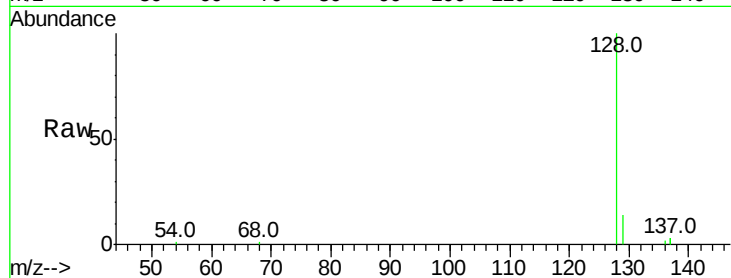
Tot Ion:128 Resp: 12426

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.957 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093778.D

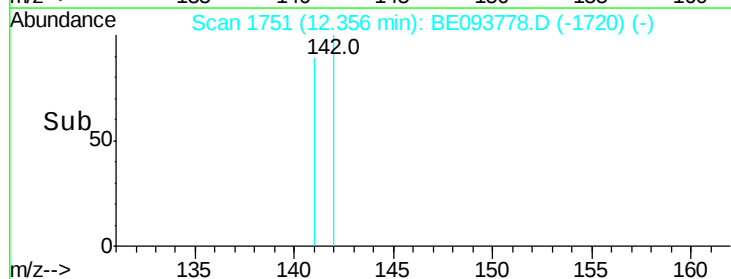
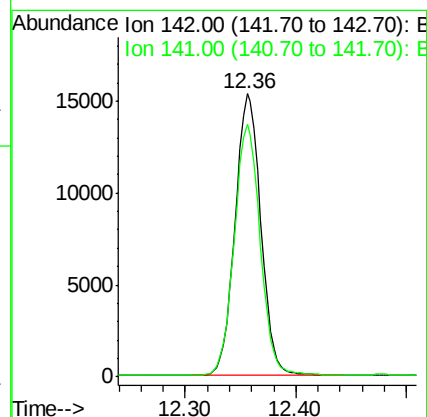
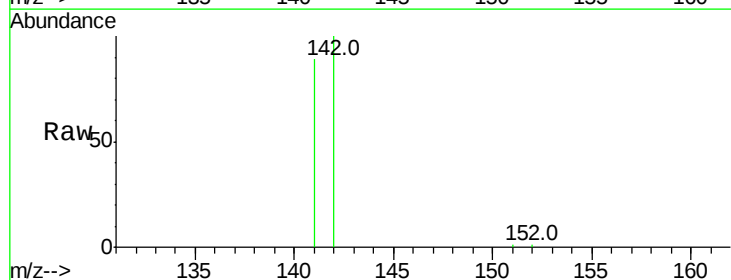
Acq: 11 Aug 2017 20:13

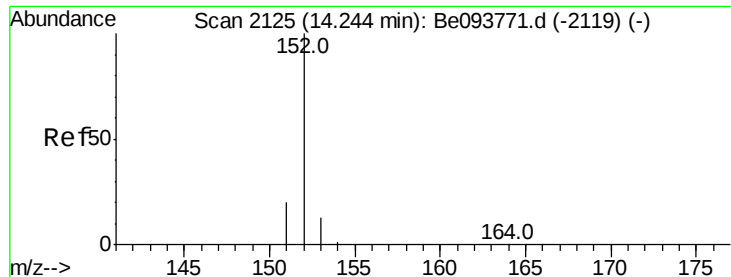
Tgt Ion:142 Resp: 24772

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8





#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

C0AE9DL

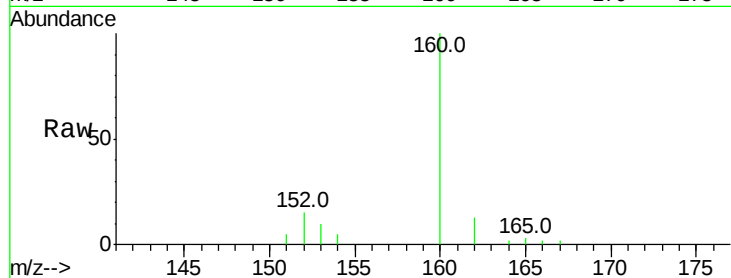
Tot Ion:152 Resp: 1310

Ion Ratio Lower Upper

152 100

151 36.4 17.1 25.7#

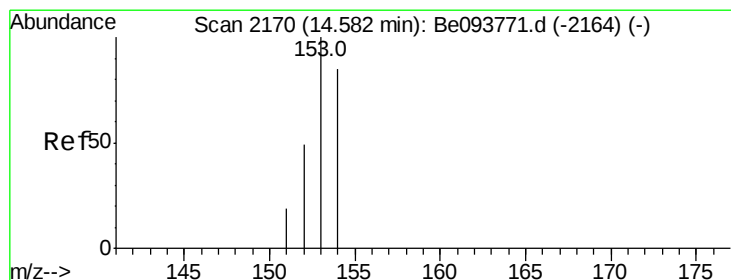
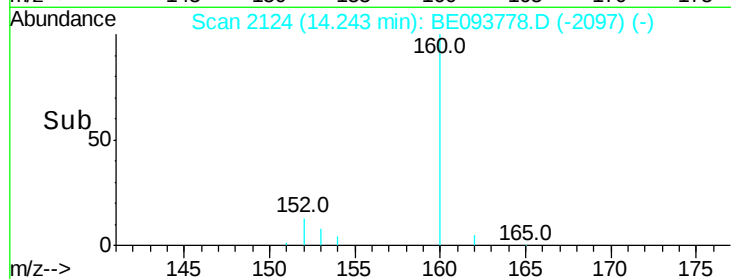
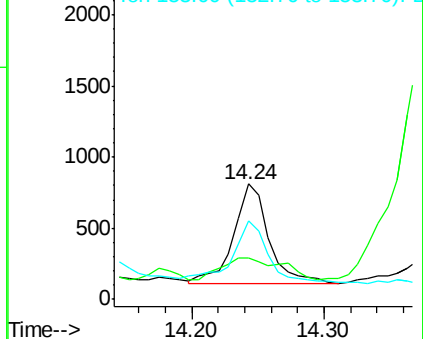
153 68.1 12.8 19.2#



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: 0.098 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

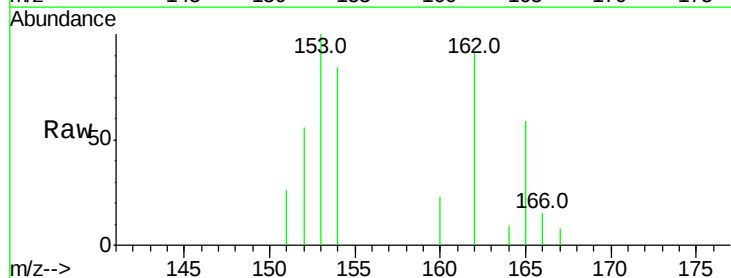
Tgt Ion:153 Resp: 2850

Ion Ratio Lower Upper

153 100

152 55.9 40.3 60.5

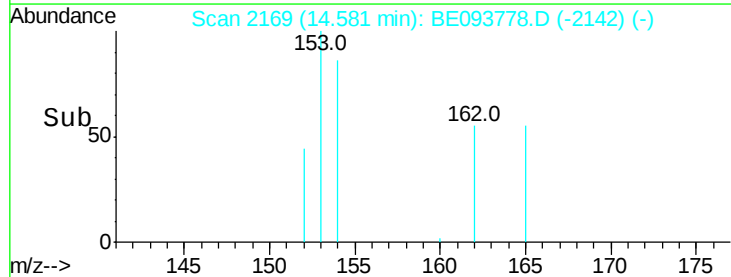
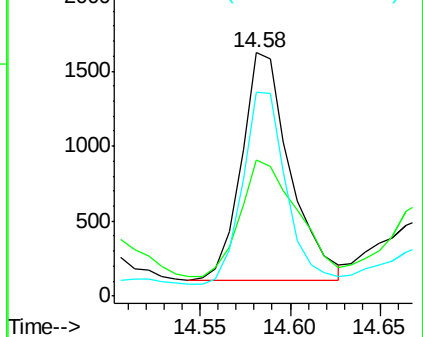
154 83.8 71.4 107.2

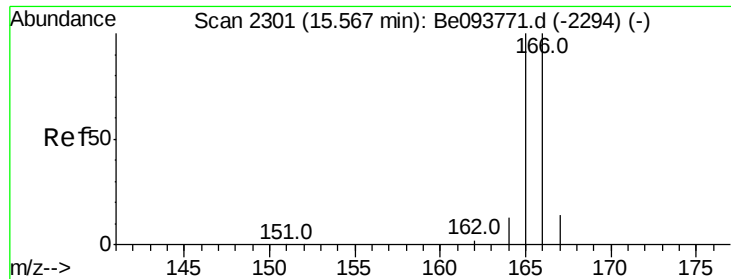


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.399 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

C0AE9DL

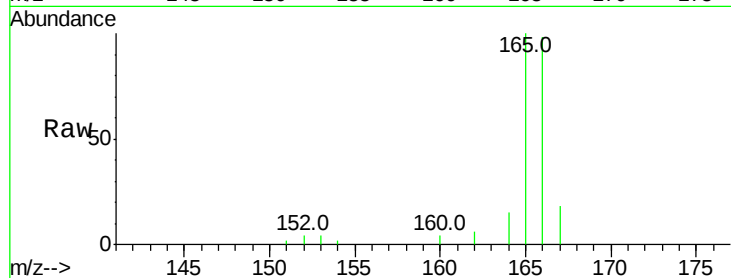
Tot Ion:166 Resp: 14682

Ion Ratio Lower Upper

166 100

165 102.0 73.4 110.2

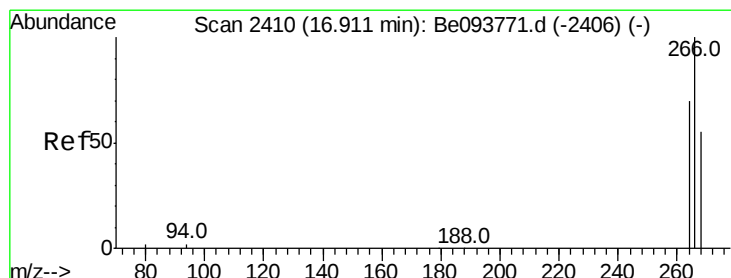
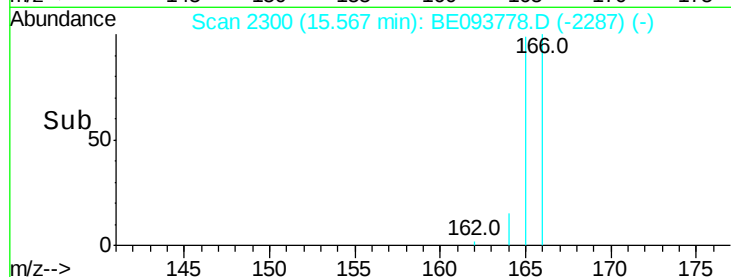
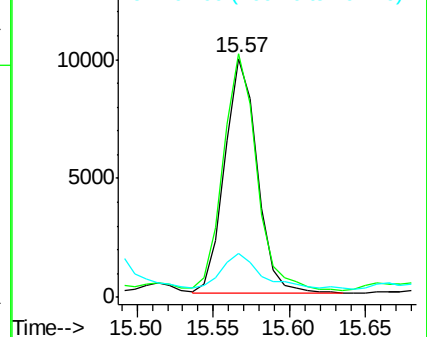
167 18.3 14.6 22.0



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: 0.033 ng/ul

RT: 16.91 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

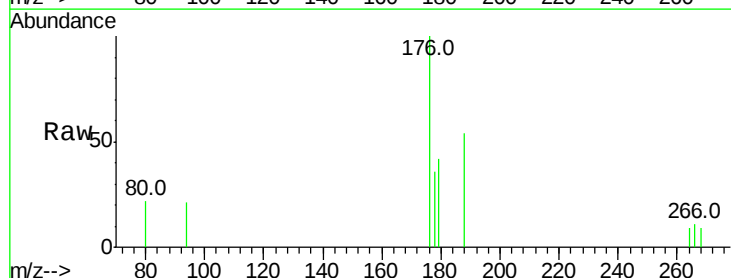
Tgt Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

264 66.0 47.9 71.9

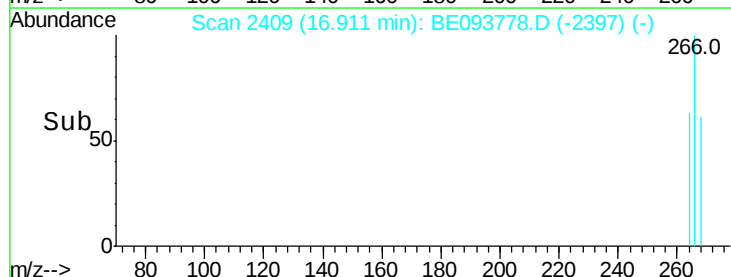
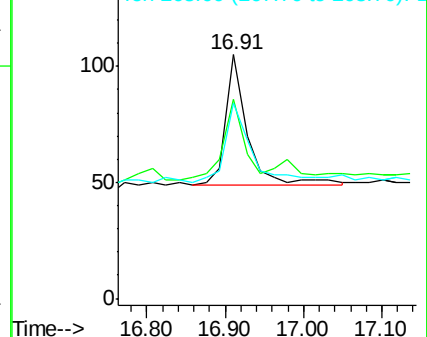
268 74.5 49.8 74.8

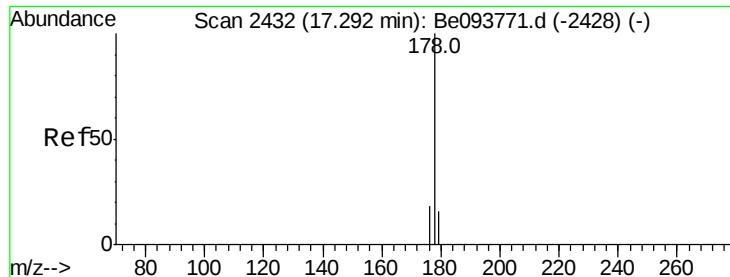


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.340 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

C0AE9DL

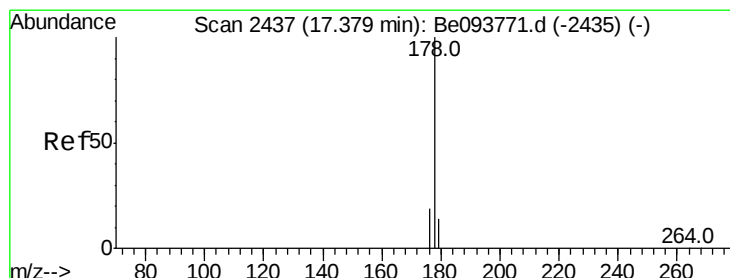
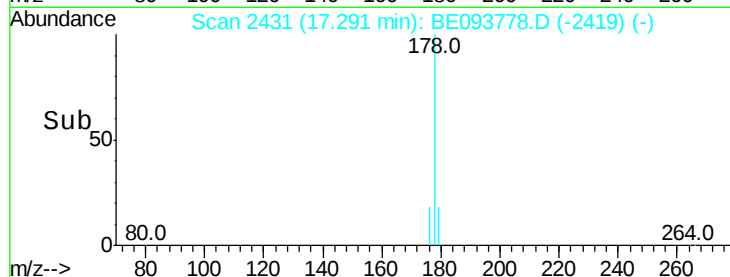
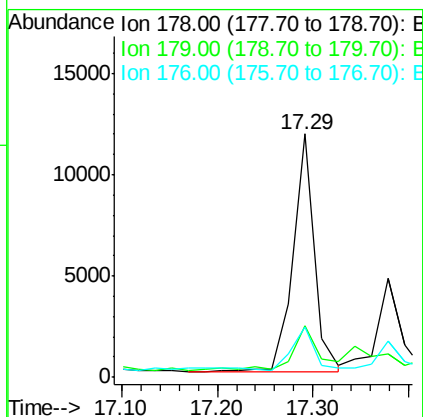
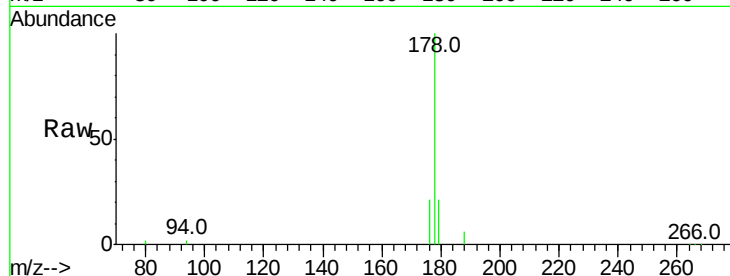
Tot Ion:178 Resp: 18226

Ion Ratio Lower Upper

178 100

179 21.3 18.4 27.6

176 20.8 13.6 20.4#



#13

Anthracene

Concen: 0.339 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.09 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

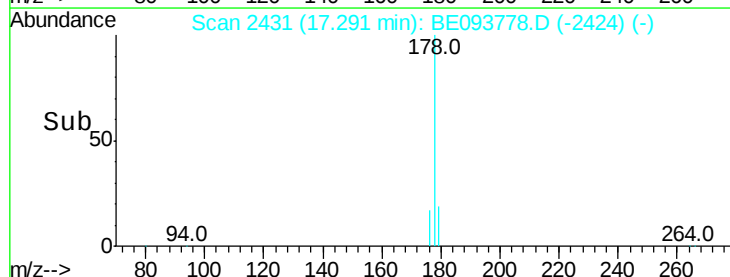
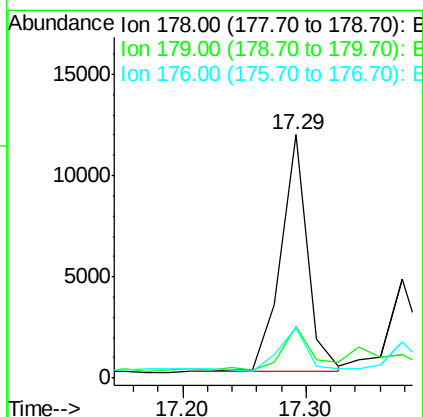
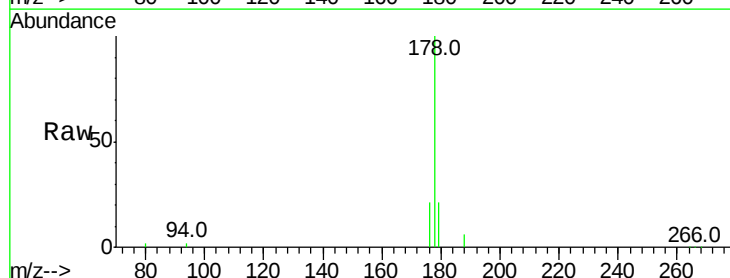
Tgt Ion:178 Resp: 17691

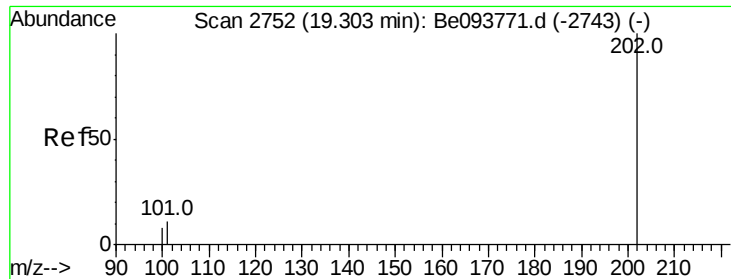
Ion Ratio Lower Upper

178 100

179 21.3 18.1 27.1

176 20.8 14.7 22.1

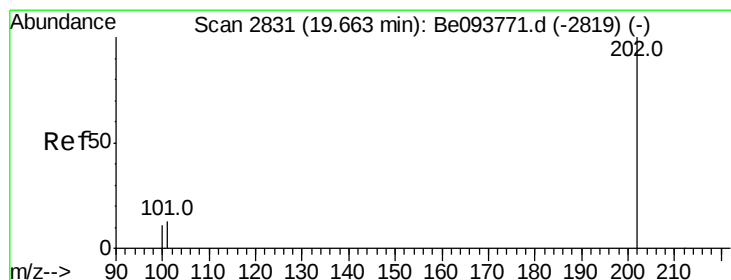
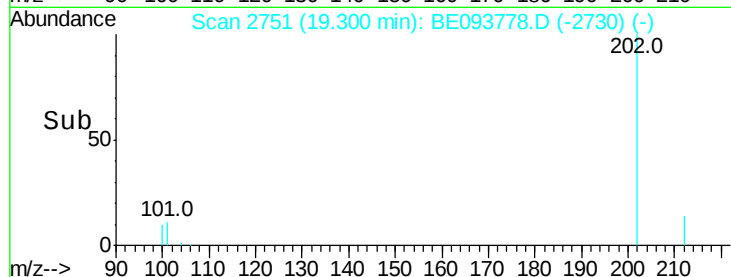
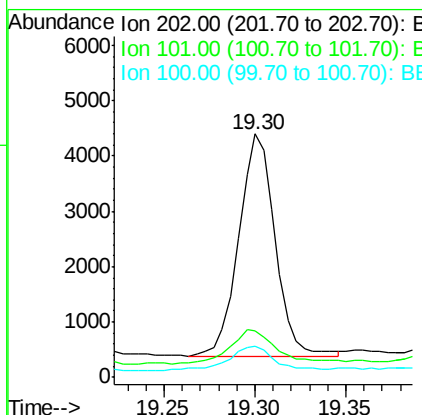
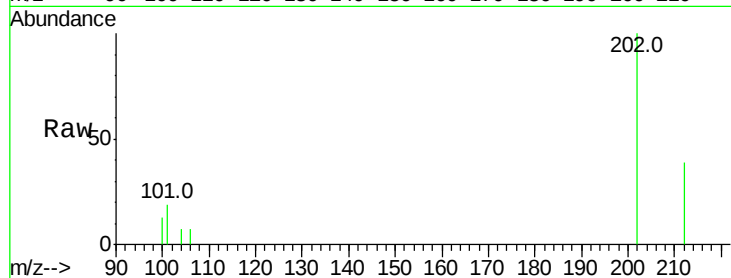




#15
Fluoranthene
Concen: 0.083 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.00 min
Lab File: BE093778.D
Acq: 11 Aug 2017 20:13

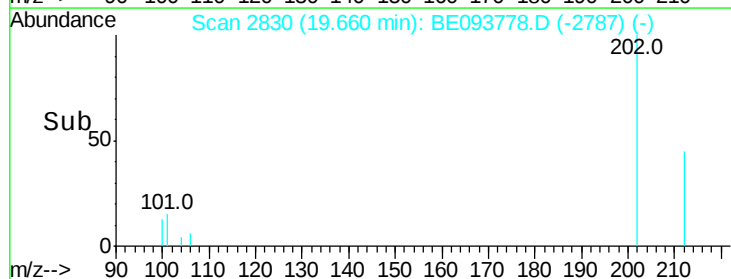
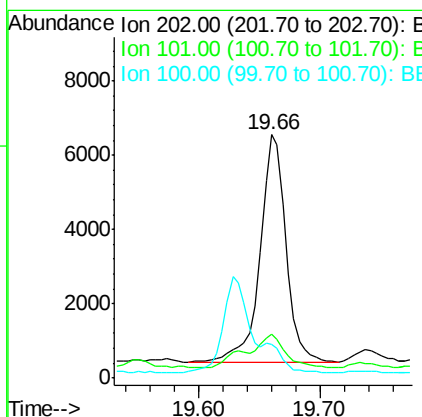
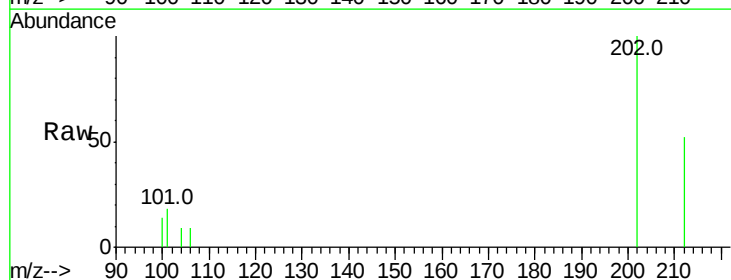
Instrument :
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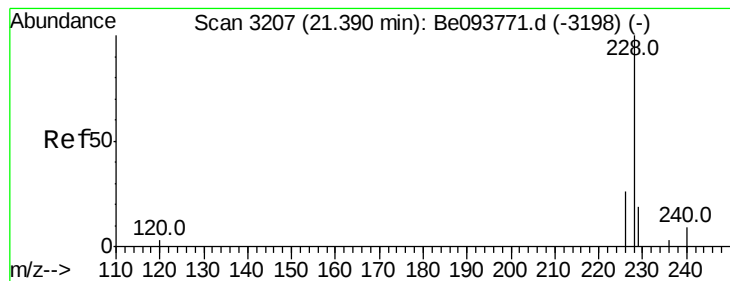
Tot Ion:202 Resp: 5583
Ion Ratio Lower Upper
202 100
101 19.0 0.0 30.3
100 12.7 0.0 39.5



#17
Pyrene
Concen: 0.160 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BE093778.D
Acq: 11 Aug 2017 20:13

Tgt Ion:202 Resp: 9060
Ion Ratio Lower Upper
202 100
101 18.1 18.2 27.4#
100 13.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.048 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

C0AE9DL

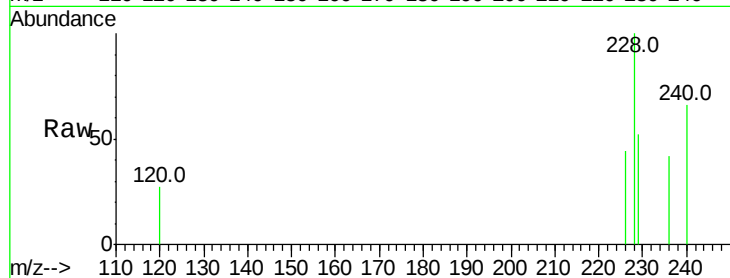
Tot Ion:228 Resp: 2680

Ion Ratio Lower Upper

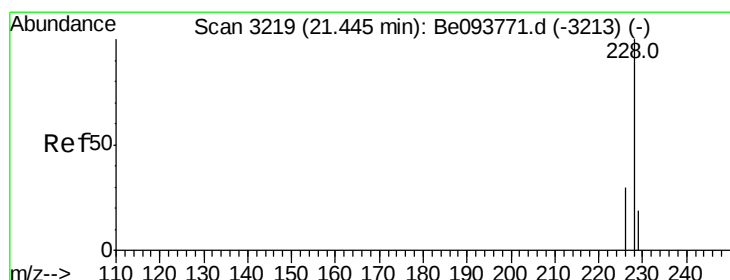
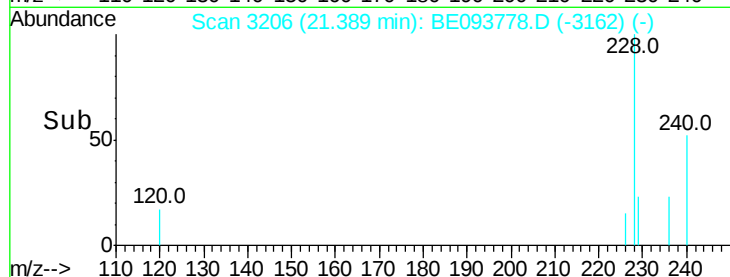
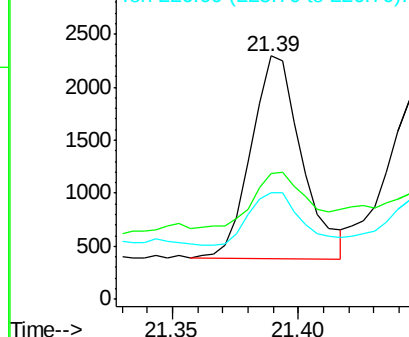
228 100

229 51.7 22.8 34.2#

226 44.0 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: 0.047 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

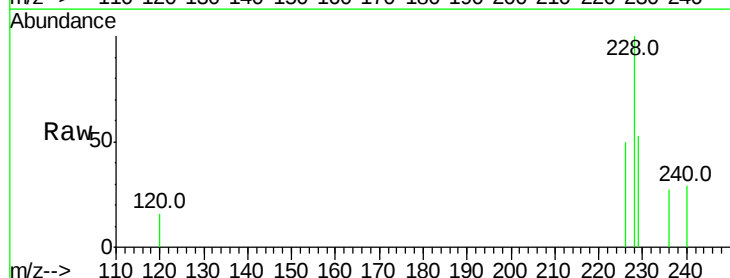
Tgt Ion:228 Resp: 2513

Ion Ratio Lower Upper

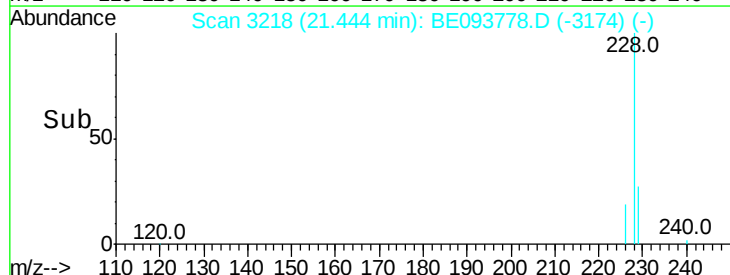
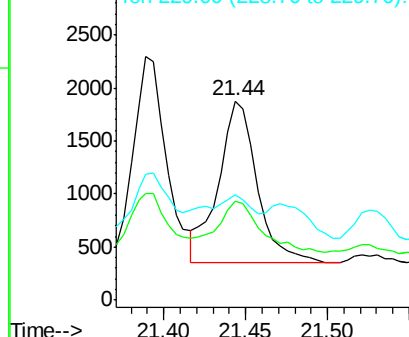
228 100

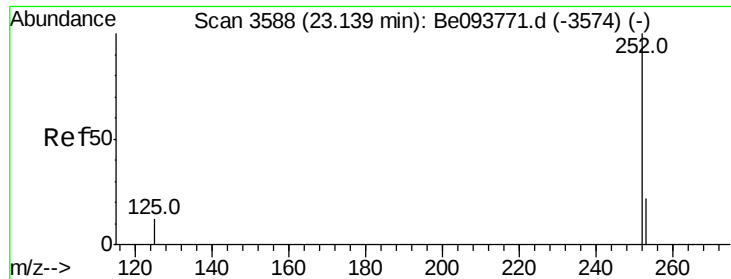
226 49.9 23.4 35.0#

229 52.6 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: 0.024 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Instrument :

BNA_E

ClientSampleId :

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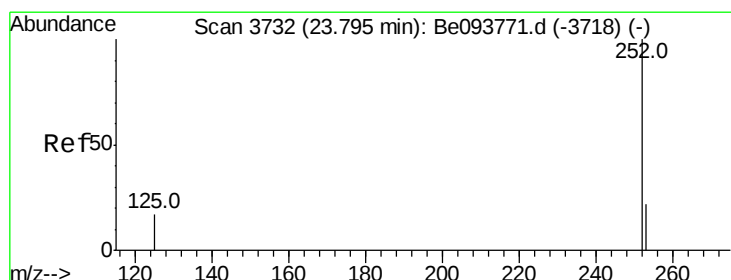
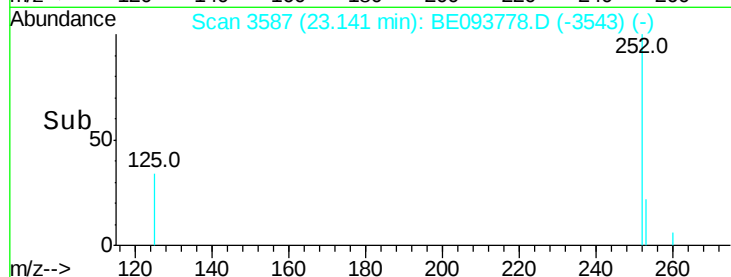
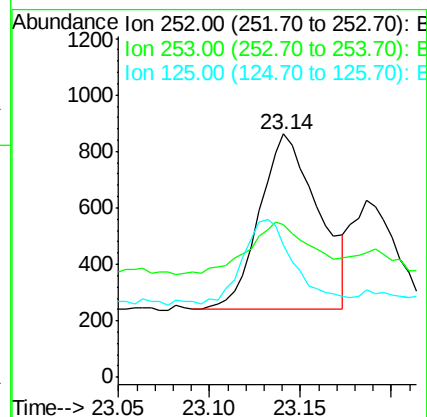
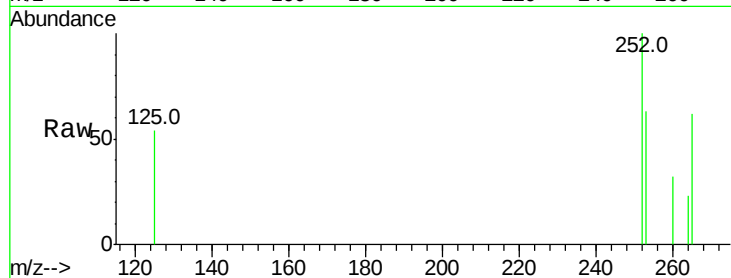
Tot Ion:252 Resp: 1404

Ion Ratio Lower Upper

252 100

253 62.5 0.0 64.2

125 54.2 0.0 35.0#



#23

Benzo(a)pyrene

Concen: 0.029 ng/ul

RT: 23.80 min Scan# 3731

Delta R.T. 0.00 min

Lab File: BE093778.D

Acq: 11 Aug 2017 20:13

Tgt Ion:252 Resp: 1624

Ion Ratio Lower Upper

252 100

253 60.9 28.5 42.7#

125 78.1 18.1 27.1#

