

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
 Data File : BE093089.D
 Acq On : 8 Jun 2017 20:12
 Operator : SJ/MA
 Sample : MDL-S-6
 Misc : 0.07 PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 09 07:44:59 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 17:42:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4769	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	21443	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10806	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	30104	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	34824	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	32330	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	11758	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	29097	0.36	ng/ul	0.00

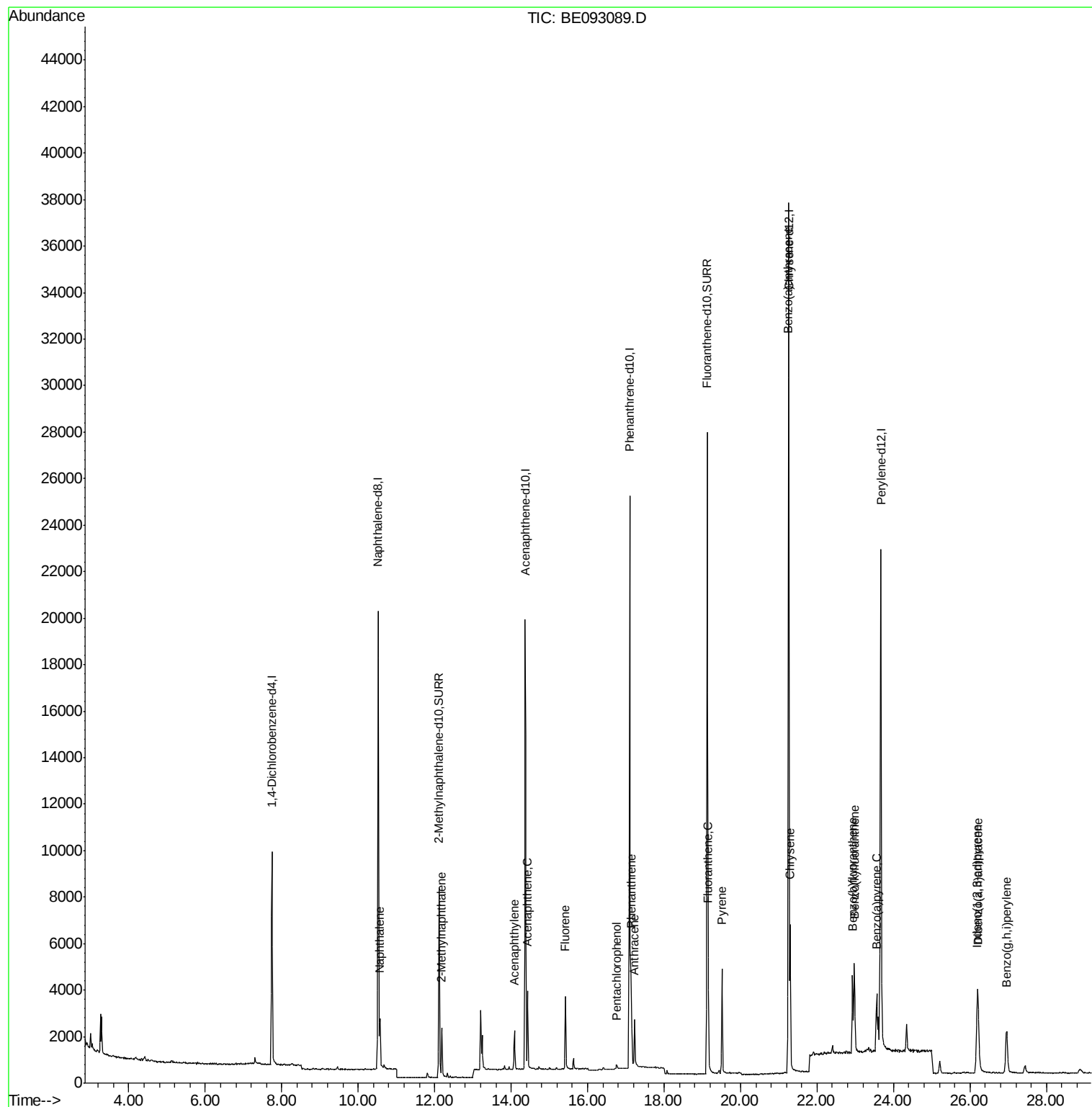
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	2874	0.054	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	1835	0.050	ng/ul	100
7) Acenaphthylene	14.08	152	2126	0.046	ng/ul	96
8) Acenaphthene	14.43	153	1918	0.051	ng/ul	97
9) Fluorene	15.42	166	2086	0.048	ng/ul	89
11) Pentachlorophenol	16.75	266	181	0.041	ng/ul	96
12) Phenanthrene	17.14	178	4396	0.053	ng/ul#	87
13) Anthracene	17.22	178	3494	0.048	ng/ul#	88
15) Fluoranthene	19.16	202	5038	0.050	ng/ul	83
17) Pyrene	19.52	202	5033	0.049	ng/ul#	84
18) Benzo(a)anthracene	21.25	228	4632	0.050	ng/ul#	86
19) Chrysene	21.30	228	5011	0.052	ng/ul	94
21) Benzo(b)fluoranthene	22.93	252	4420	0.045	ng/ul	93
22) Benzo(k)fluoranthene	22.98	252	5165	0.050	ng/ul#	91
23) Benzo(a)pyrene	23.56	252	4419	0.048	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.19	276	5210	0.049	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.21	278	4492	0.050	ng/ul#	80
26) Benzo(g,h,i)perylene	26.96	276	4527	0.049	ng/ul	94

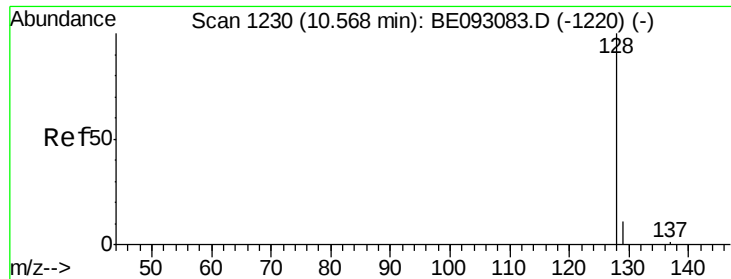
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

Quant Time: Jun 09 07:44:59 2017
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#3

Naphthalene

Concen: 0.054 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

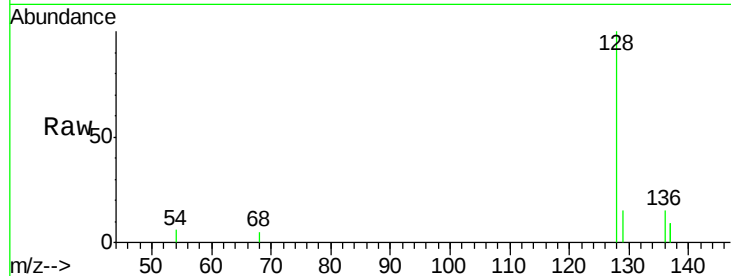
Tgt Ion:128 Resp: 2874

Ion Ratio Lower Upper

128 100

129 14.9 11.3 16.9

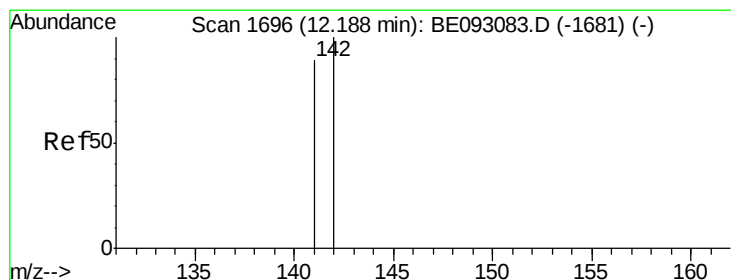
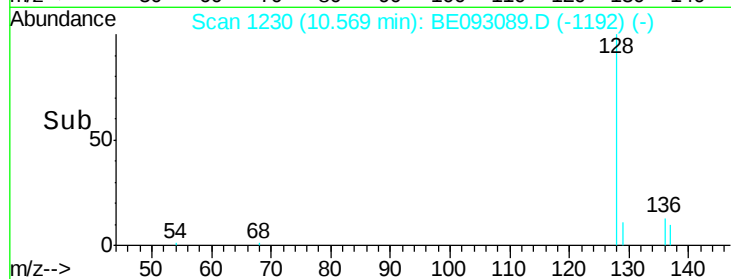
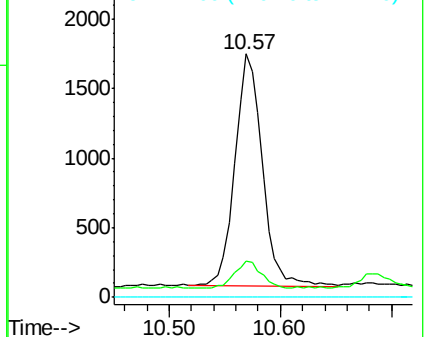
127 0.0 4.0 6.0#



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: 0.050 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093089.D

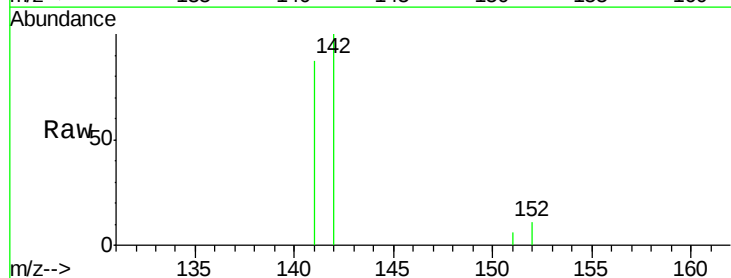
Acq: 8 Jun 2017 20:12

Tgt Ion:142 Resp: 1835

Ion Ratio Lower Upper

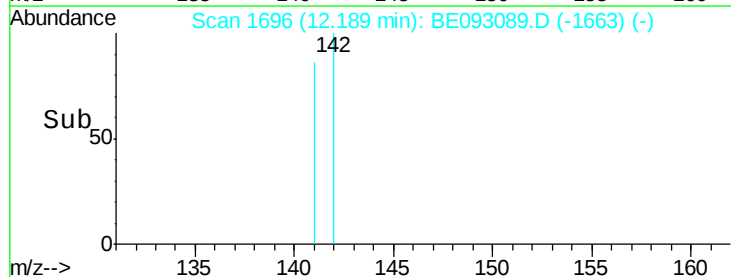
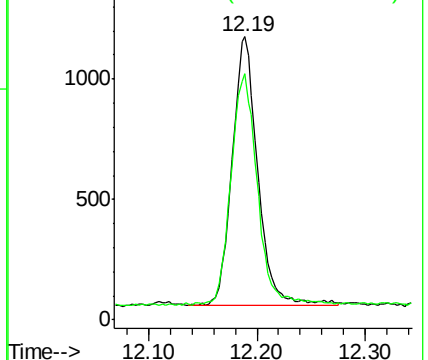
142 100

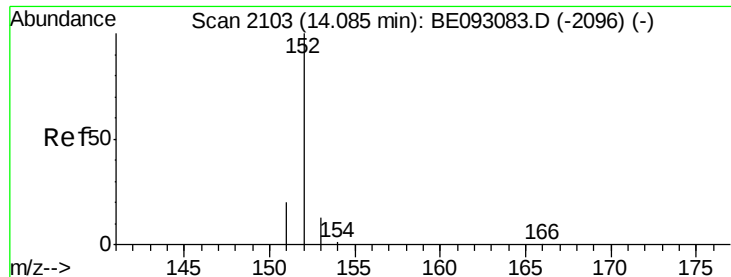
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.046 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

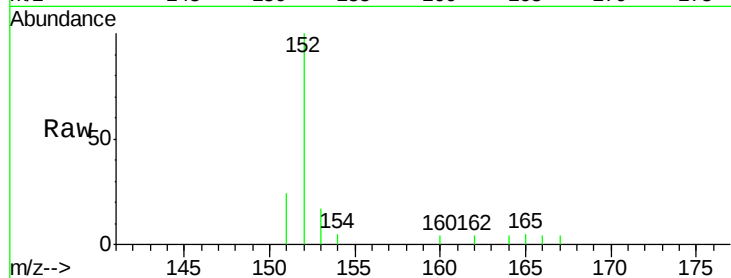
Tgt Ion:152 Resp: 2126

Ion Ratio Lower Upper

152 100

151 24.4 17.1 25.7

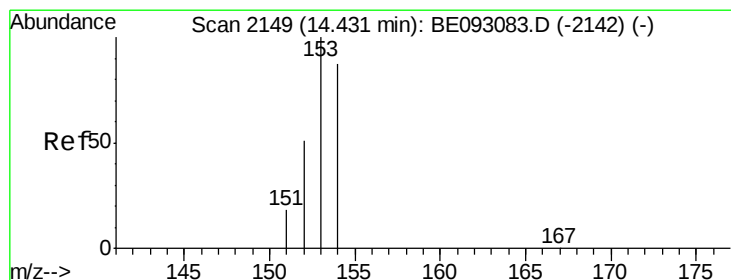
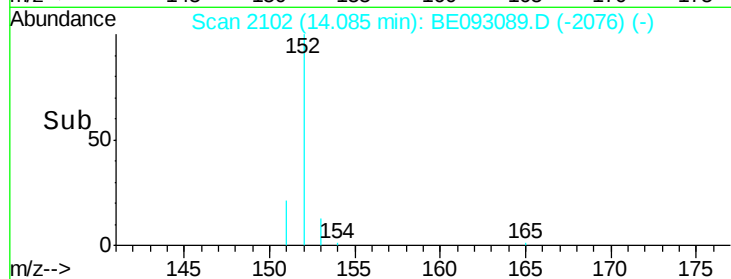
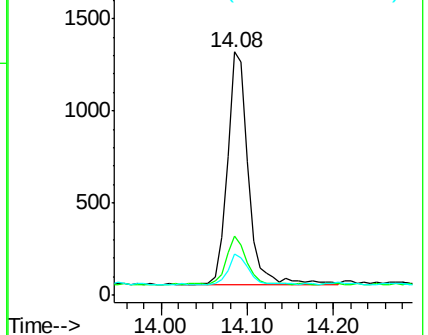
153 16.7 12.8 19.2



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: 0.051 ng/ul

RT: 14.43 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

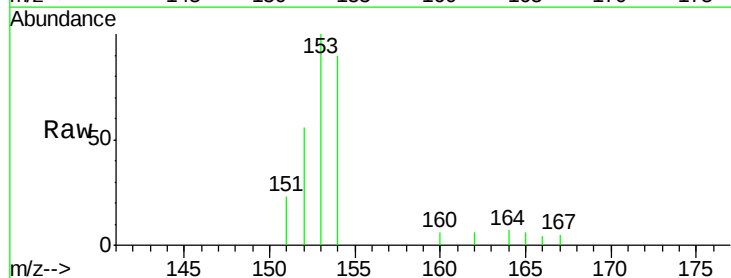
Tgt Ion:153 Resp: 1918

Ion Ratio Lower Upper

153 100

152 55.8 40.3 60.5

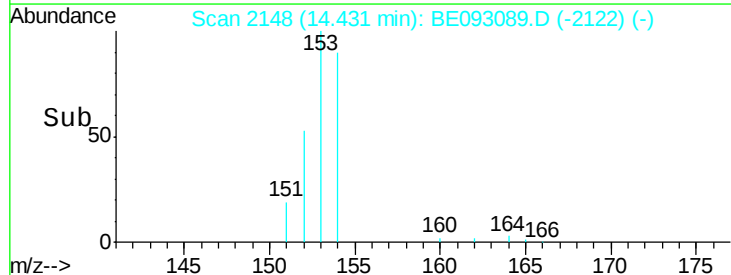
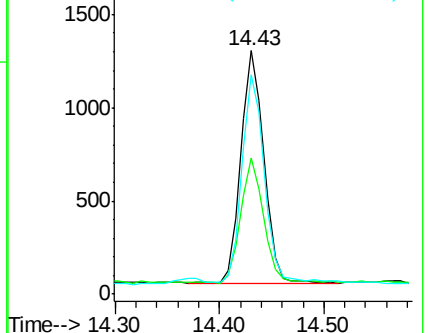
154 90.0 71.4 107.2

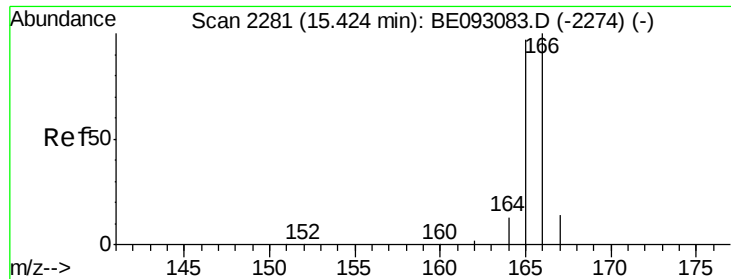


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

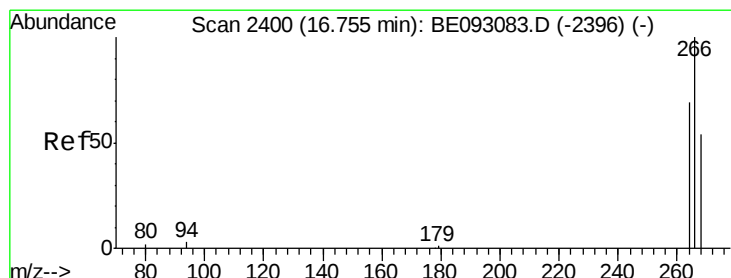
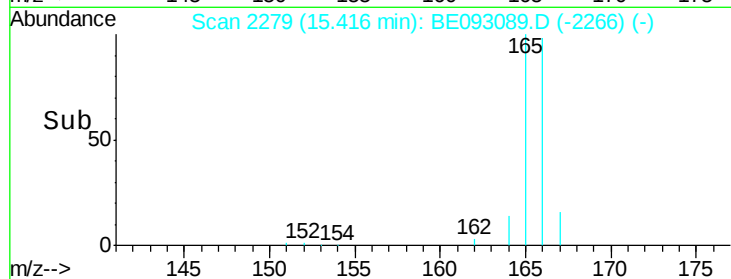
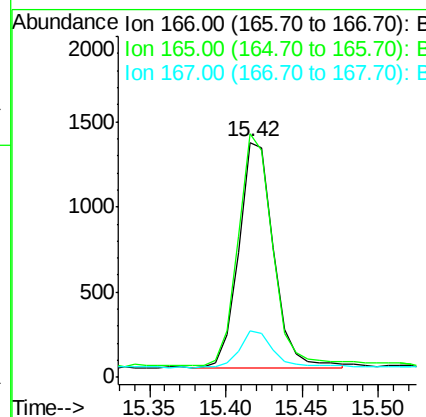
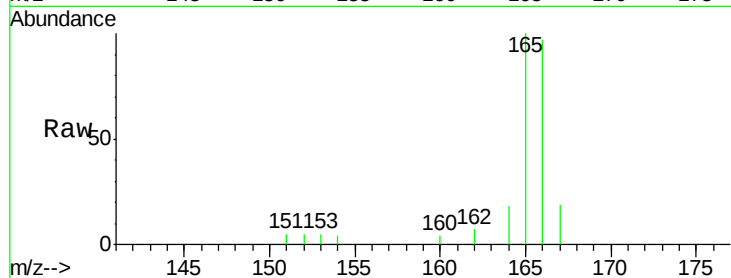




#9
Fluorene
 Concen: 0.048 ng/ul
 RT: 15.42 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE093089.D
 Acq: 8 Jun 2017 20:12

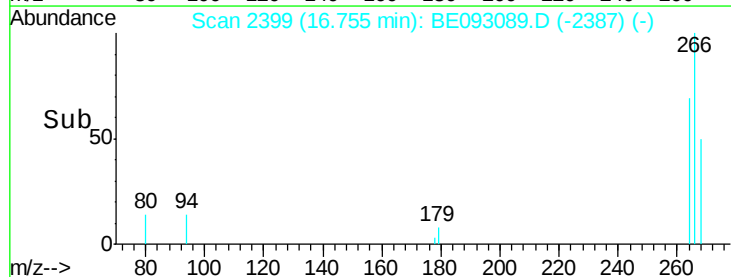
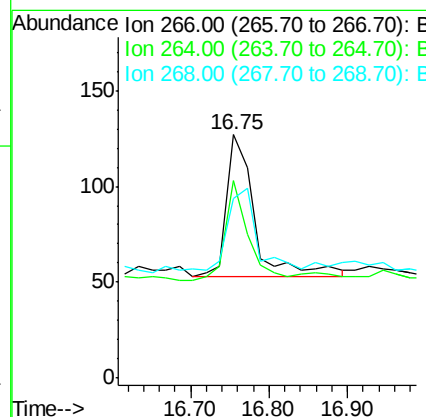
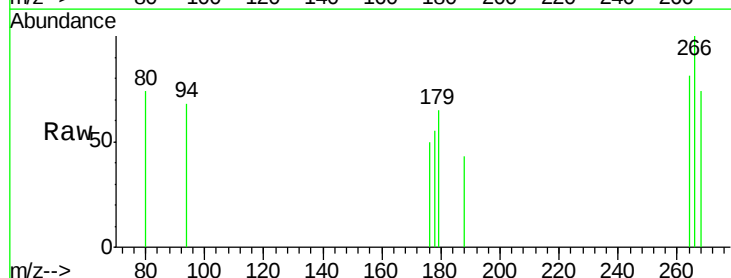
Instrument :
 BNA_E
 ClientSampleId :

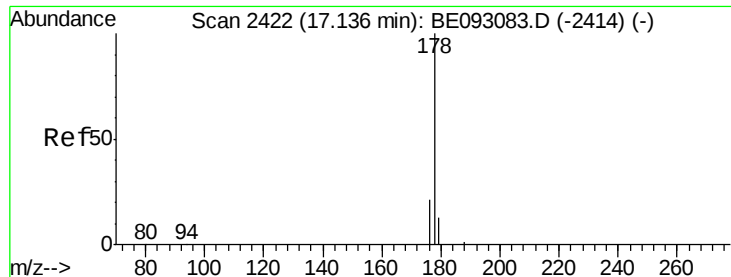
Tgt Ion:166 Resp: 2086
 Ion Ratio Lower Upper
 166 100
 165 103.5 73.4 110.2
 167 19.8 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.041 ng/ul
 RT: 16.75 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BE093089.D
 Acq: 8 Jun 2017 20:12

Tgt Ion:266 Resp: 181
 Ion Ratio Lower Upper
 266 100
 264 56.9 47.9 71.9
 268 59.7 49.8 74.8





#12

Phenanthrene

Concen: 0.053 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

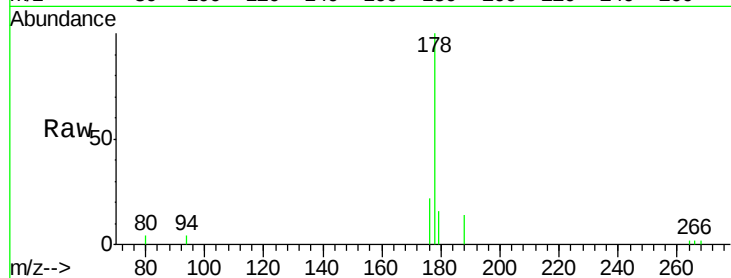
Tgt Ion:178 Resp: 4396

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

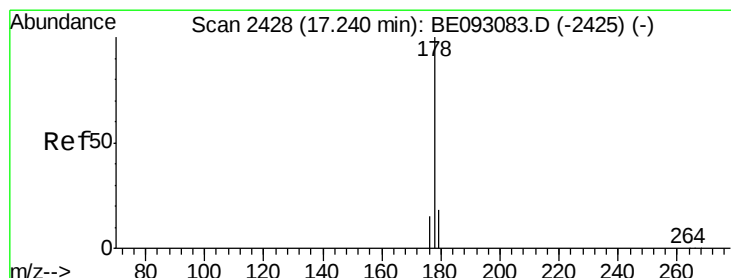
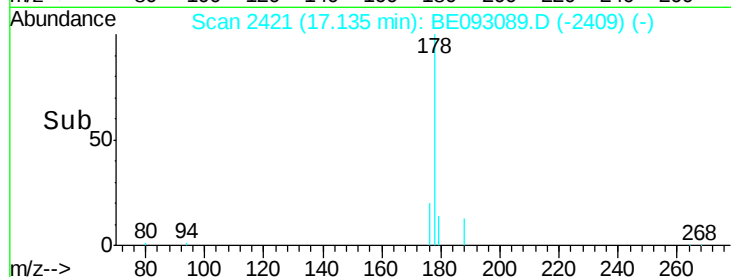
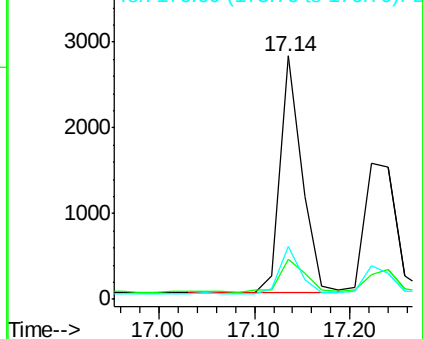
176 21.9 13.6 20.4#



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: 0.048 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.02 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

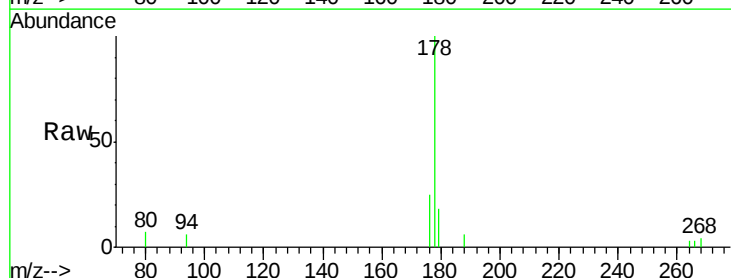
Tgt Ion:178 Resp: 3494

Ion Ratio Lower Upper

178 100

179 17.8 18.1 27.1#

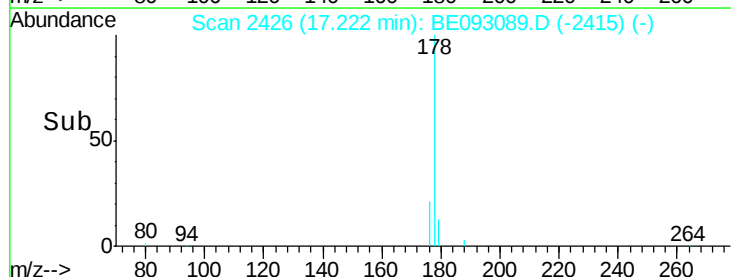
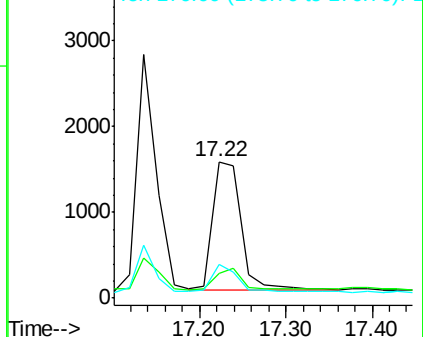
176 24.7 14.7 22.1#

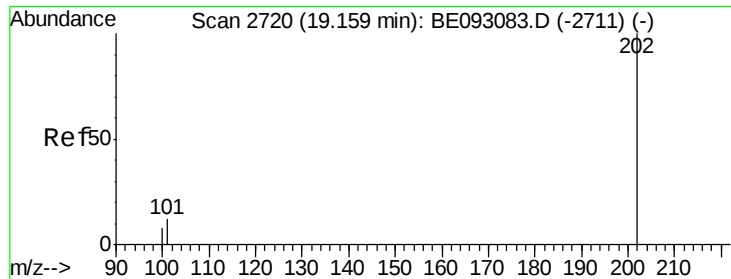


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

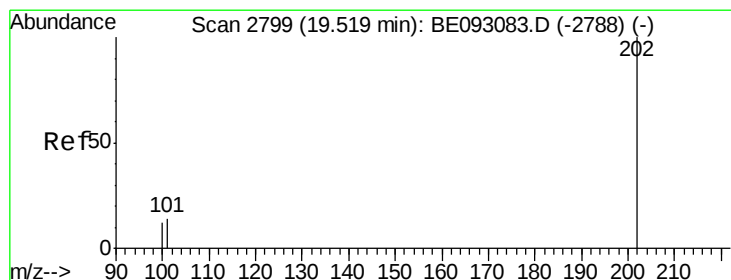
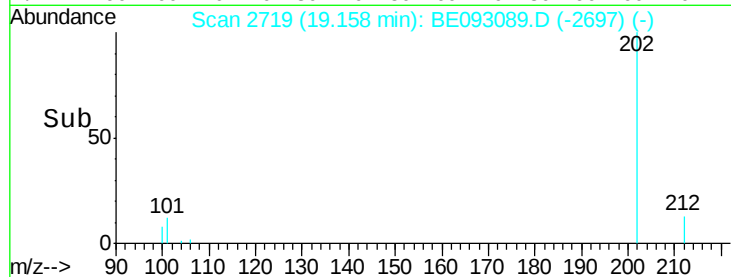
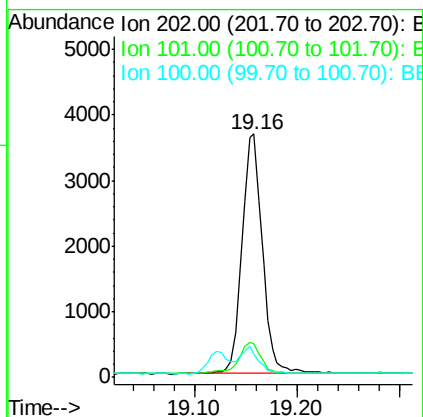
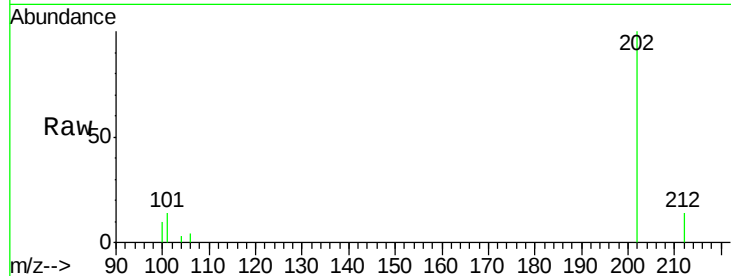




#15
Fluoranthene
Concen: 0.050 ng/ul
RT: 19.16 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093089.D
Acq: 8 Jun 2017 20:12

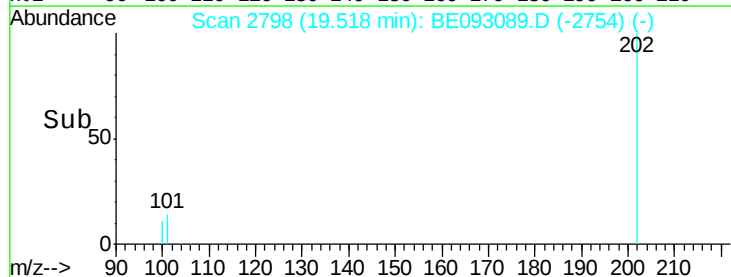
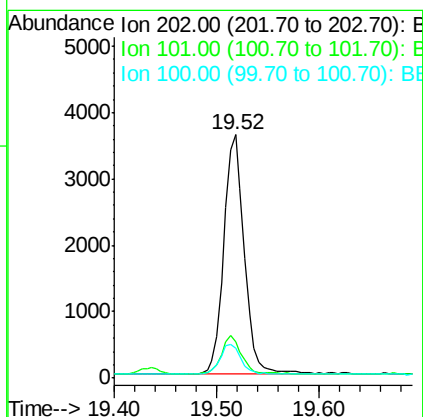
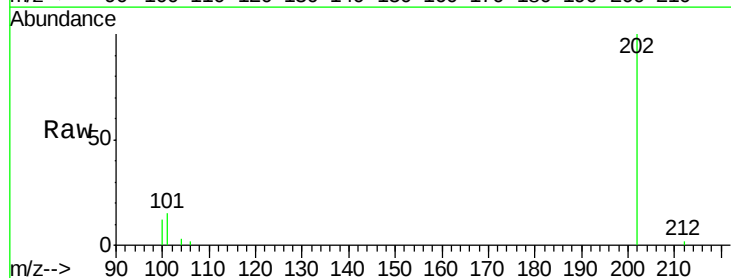
Instrument :
BNA_E
ClientSampleId :

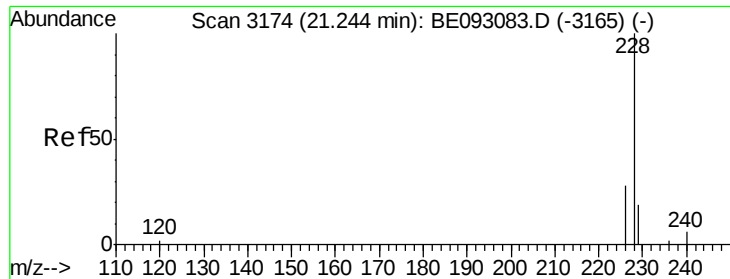
Tgt Ion:202 Resp: 5038
Ion Ratio Lower Upper
202 100
101 14.0 0.0 30.3
100 9.9 0.0 39.5



#17
Pyrene
Concen: 0.049 ng/ul
RT: 19.52 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093089.D
Acq: 8 Jun 2017 20:12

Tgt Ion:202 Resp: 5033
Ion Ratio Lower Upper
202 100
101 15.1 18.2 27.4#
100 12.1 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.050 ng/ul

RT: 21.25 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

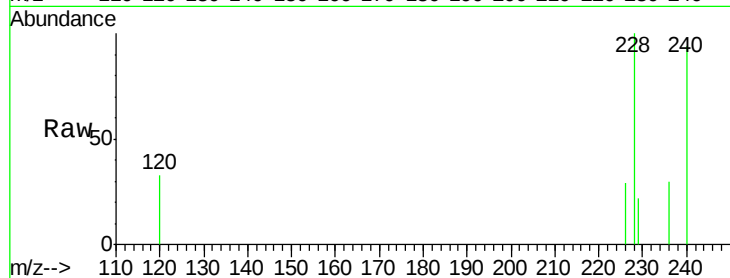
Tgt Ion:228 Resp: 4632

Ion Ratio Lower Upper

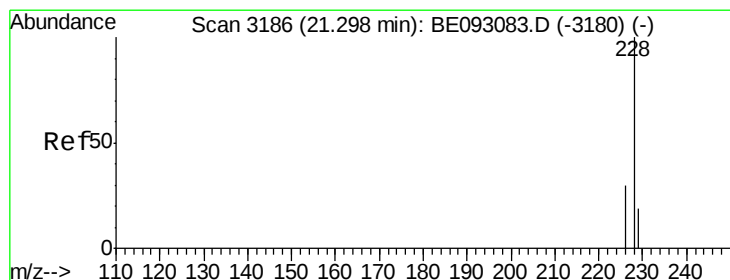
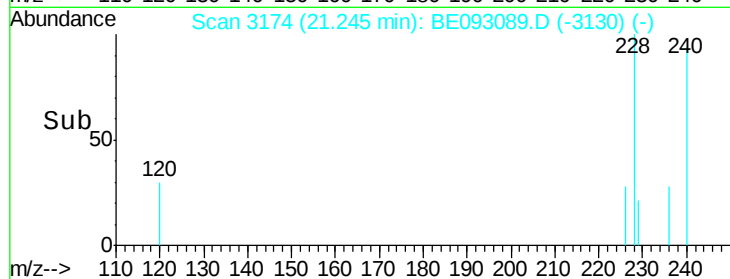
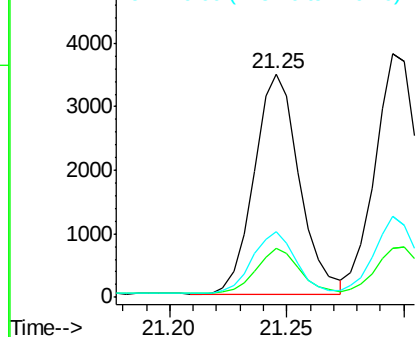
228 100

229 21.9 22.8 34.2#

226 29.3 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: 0.052 ng/ul

RT: 21.30 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

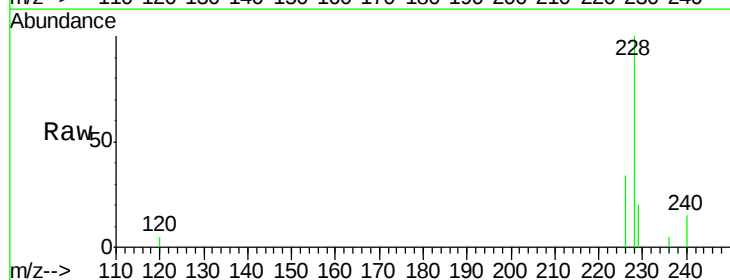
Tgt Ion:228 Resp: 5011

Ion Ratio Lower Upper

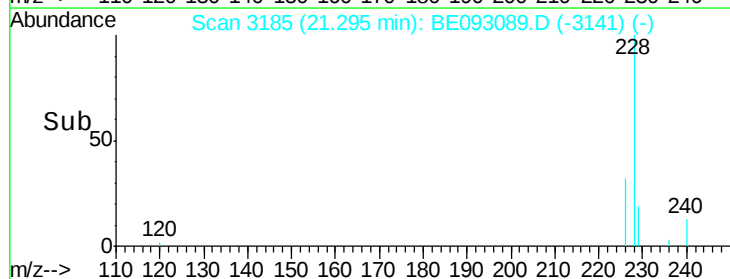
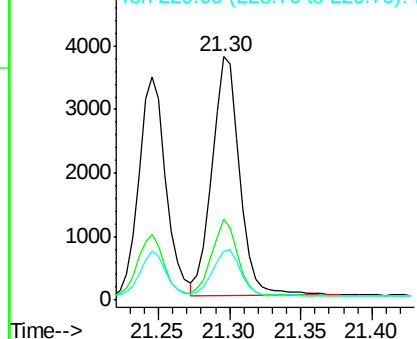
228 100

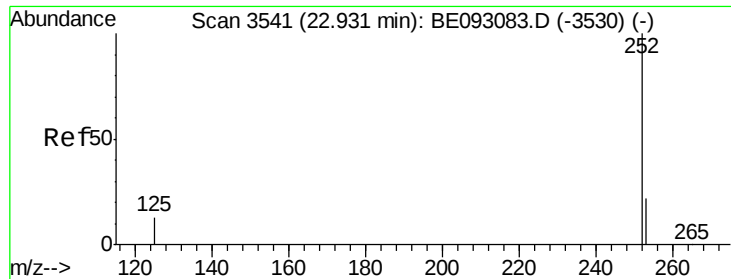
226 33.5 23.4 35.0

229 20.0 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: 0.045 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

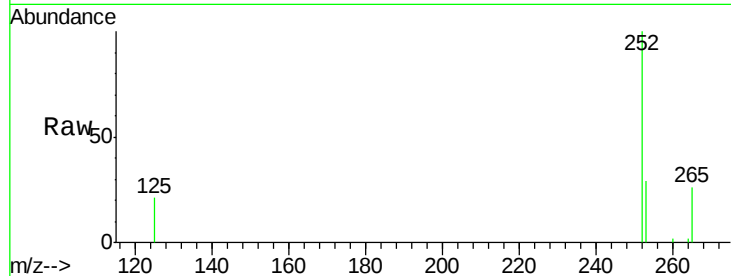
Tgt Ion:252 Resp: 4420

Ion Ratio Lower Upper

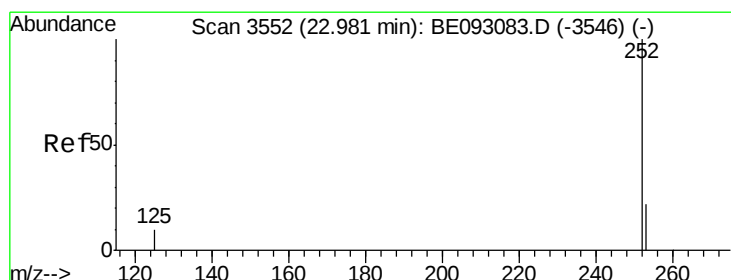
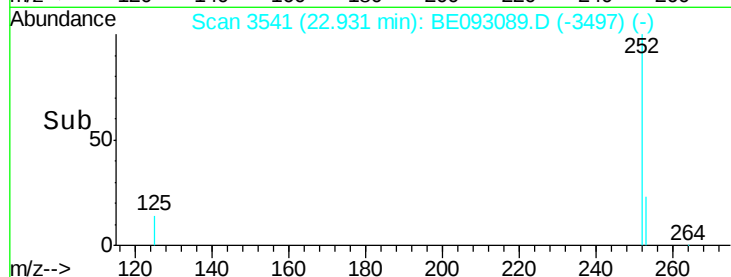
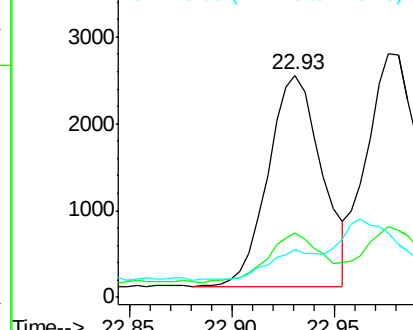
252 100

253 29.0 0.0 64.2

125 21.4 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: 0.050 ng/ul

RT: 22.98 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

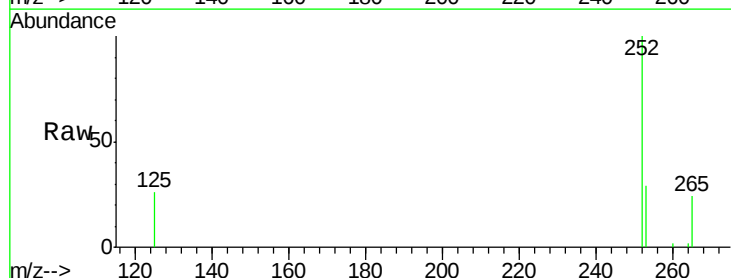
Tgt Ion:252 Resp: 5165

Ion Ratio Lower Upper

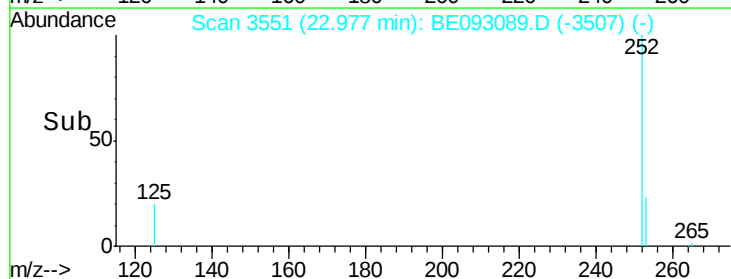
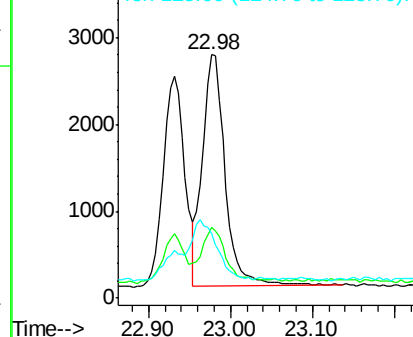
252 100

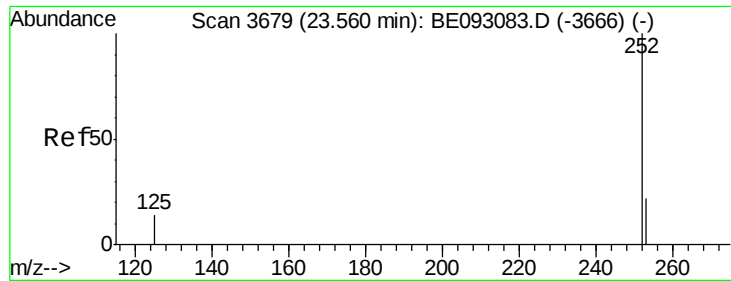
253 29.2 24.5 36.7

125 26.5 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: 0.048 ng/u1

RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :

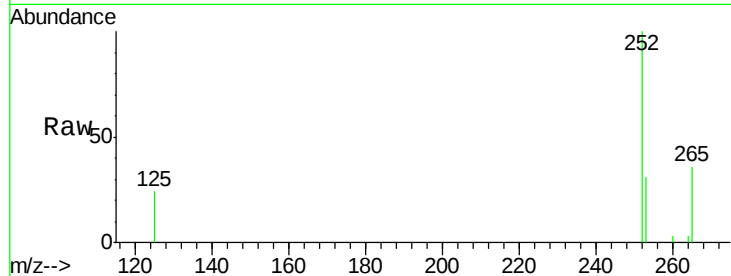
Tgt Ion:252 Resp: 4419

Ion Ratio Lower Upper

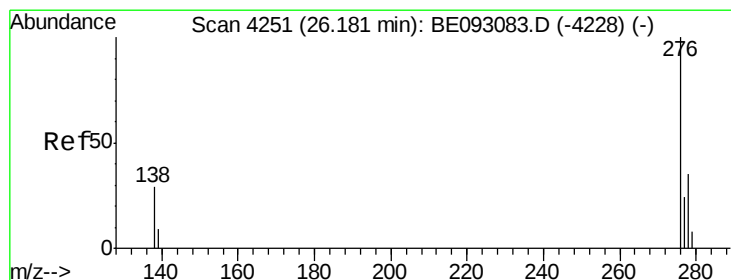
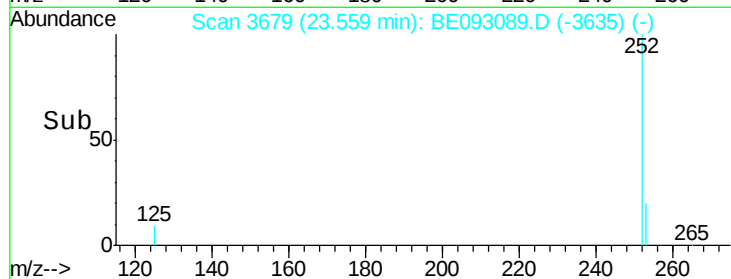
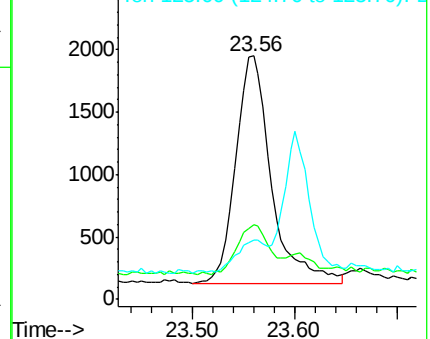
252 100

253 30.6 28.5 42.7

125 24.2 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: 0.049 ng/u1

RT: 26.19 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

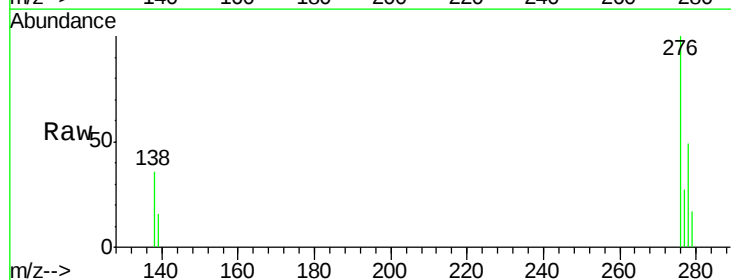
Tgt Ion:276 Resp: 5210

Ion Ratio Lower Upper

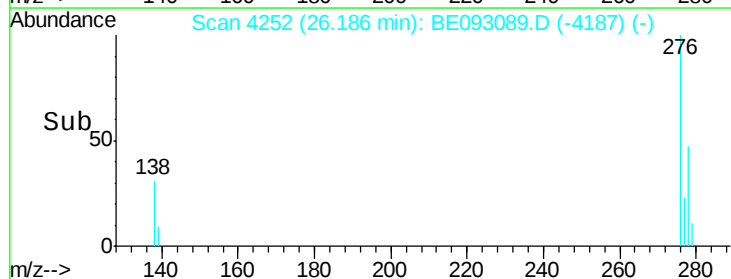
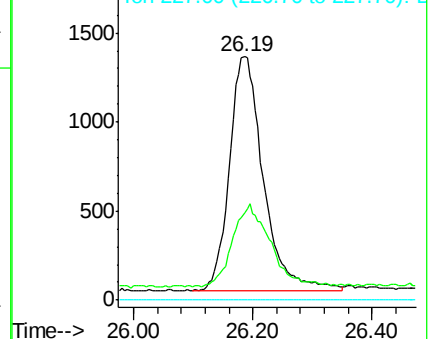
276 100

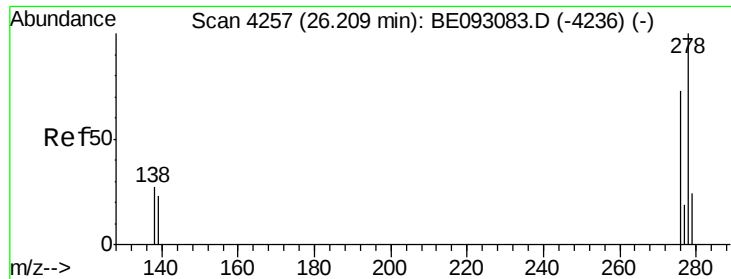
138 39.6 28.0 42.0

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: 0.050 ng/ul

RT: 26.21 min Scan# 4257

Delta R.T. -0.00 min

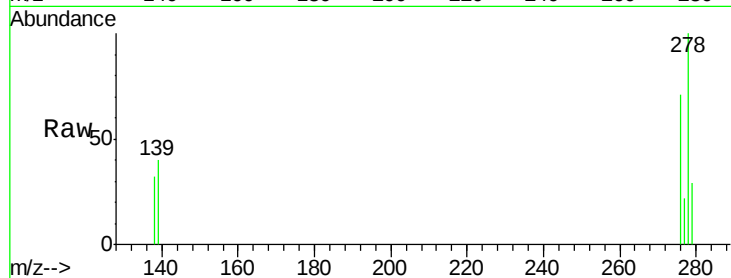
Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Instrument :

BNA_E

ClientSampleId :



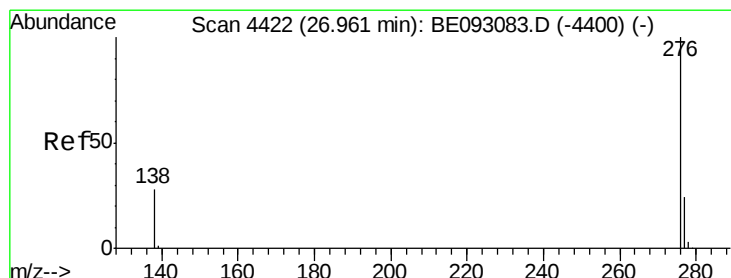
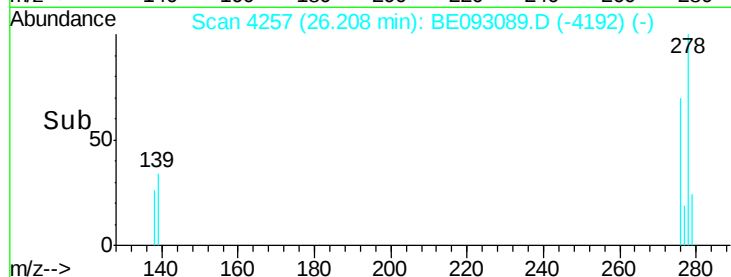
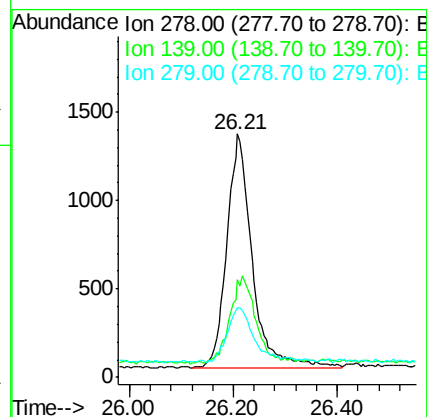
Tgt Ion:278 Resp: 4492

Ion Ratio Lower Upper

278 100

139 40.2 17.4 26.0#

279 28.8 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.049 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093089.D

Acq: 8 Jun 2017 20:12

Tgt Ion:276 Resp: 4527

Ion Ratio Lower Upper

276 100

138 32.0 21.8 32.8

277 24.1 20.5 30.7

