

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093229.D
 Acq On : 16 Jun 2017 3:56
 Operator : SJ/MA
 Sample : I3521-16DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 05:38:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 05:36:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2979	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14985	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8470	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20763	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21060	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	18626	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	809	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2093	0.04	ng/ul	0.00

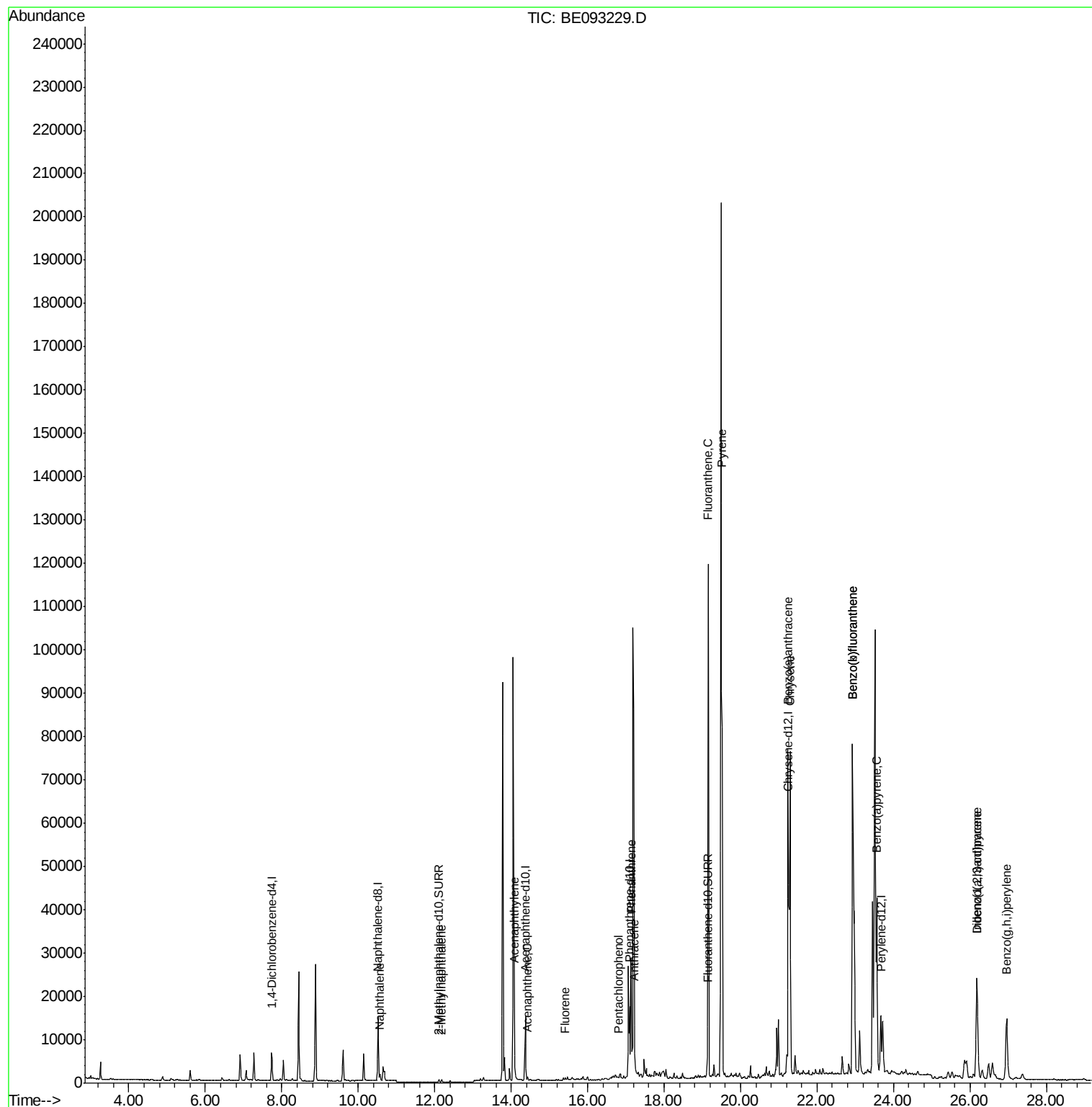
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.56	128	2064	0.06	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	488	0.02	ng/ul	95
7) Acenaphthylene	14.09	152	8724	0.24	ng/ul	97
8) Acenaphthene	14.42	153	444	0.02	ng/ul#	86
9) Fluorene	15.42	166	473	0.01	ng/ul#	83
11) Pentachlorophenol	16.81	266	42	0.01	ng/ul#	20
12) Phenanthrene	17.14	178	29367	0.51	ng/ul#	88
13) Anthracene	17.22	178	11133	0.22	ng/ul#	88
15) Fluoranthene	19.15	202	124471	1.78	ng/ul	84
17) Pyrene	19.51	202	130221	2.10	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	61557	1.10	ng/ul#	85
19) Chrysene	21.29	228	82774	1.42	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	172216	3.05	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	172216	2.87	ng/ul#	89
23) Benzo(a)pyrene	23.56	252	56378	1.05	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	39175	0.63	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	9841	0.19	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	29915	0.56	ng/ul	96

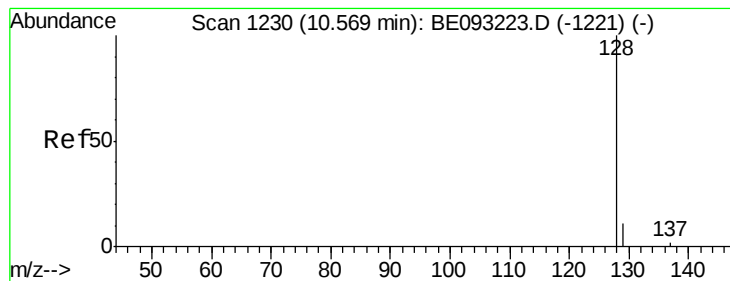
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

Instrument :

BNA_E

ClientSampleId :

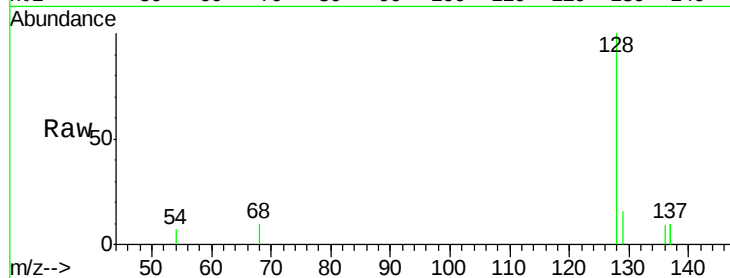
Tot Ion:128 Resp: 2064

Ion Ratio Lower Upper

128 100

129 15.9 11.3 16.9

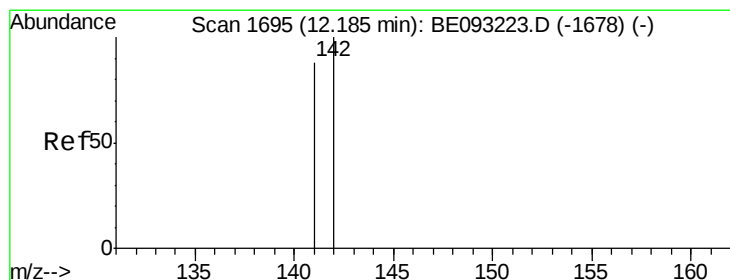
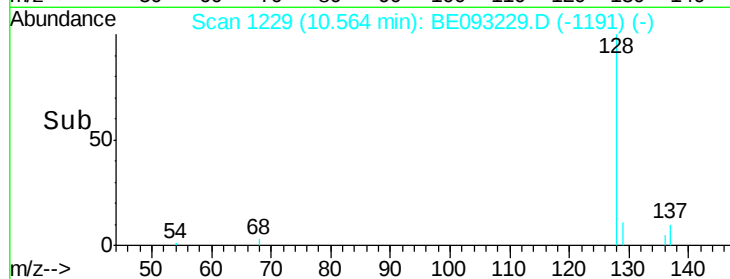
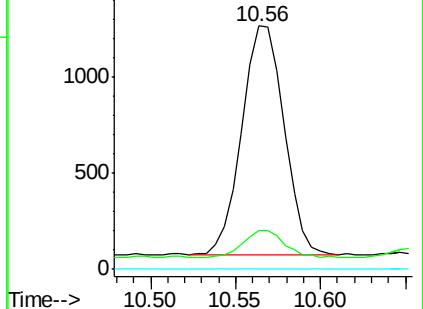
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093229.D

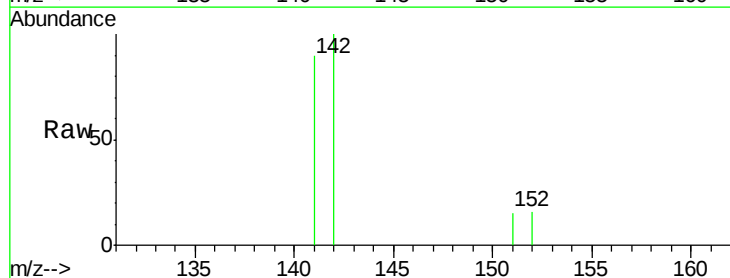
Acq: 16 Jun 2017 3:56

Tgt Ion:142 Resp: 488

Ion Ratio Lower Upper

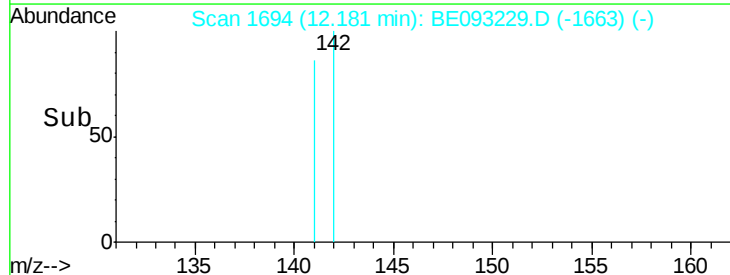
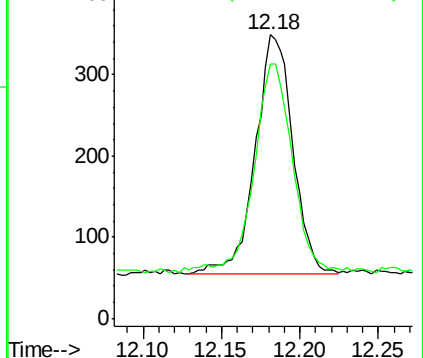
142 100

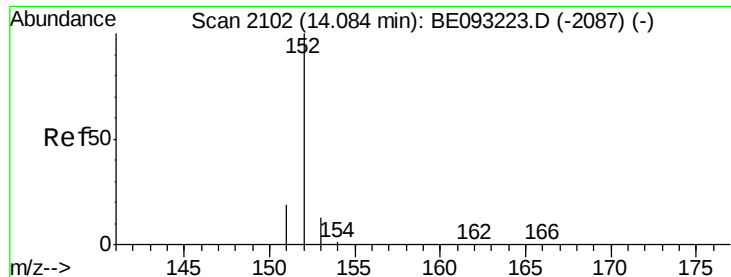
141 85.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

Instrument :

BNA_E

ClientSampleId :

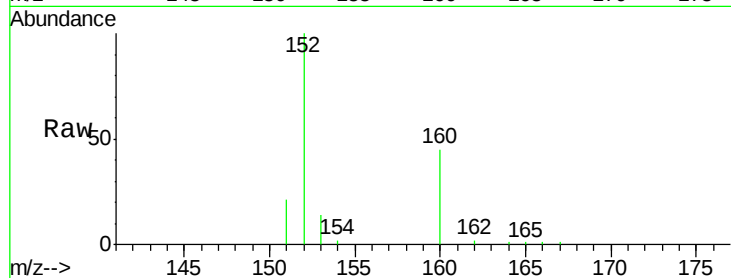
Tot Ion:152 Resp: 8724

Ion Ratio Lower Upper

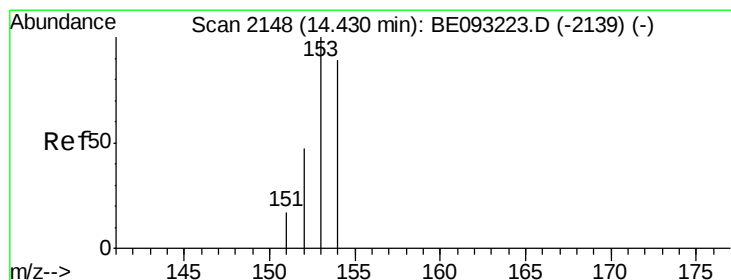
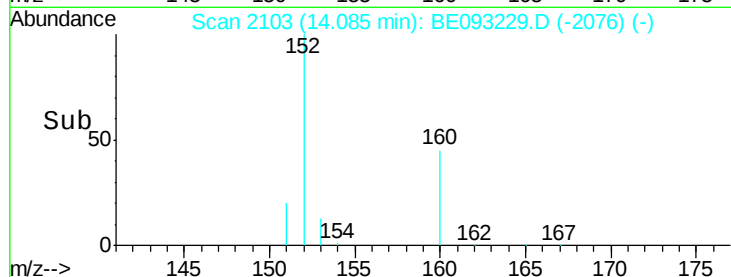
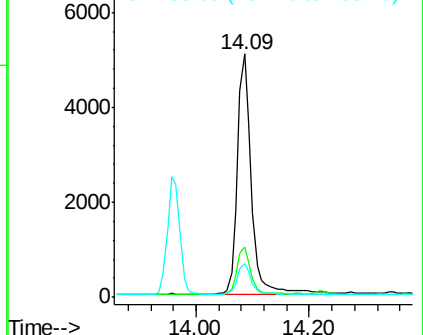
152 100

151 20.5 17.1 25.7

153 14.0 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: 0.02 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

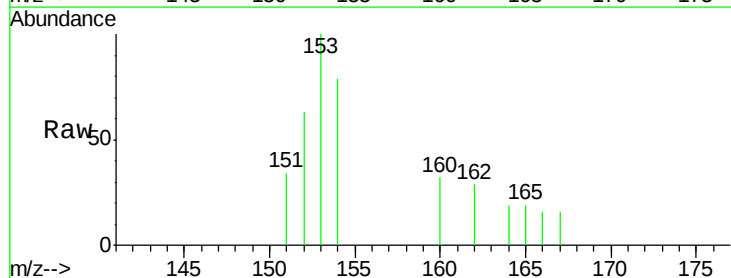
Tgt Ion:153 Resp: 444

Ion Ratio Lower Upper

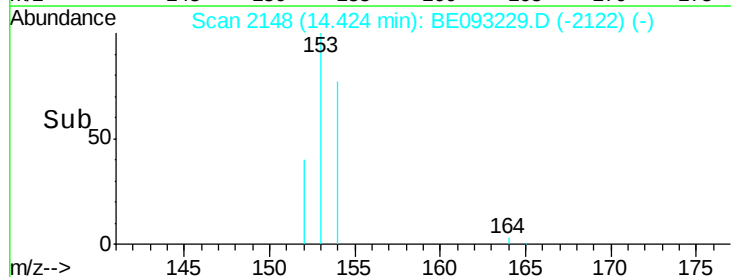
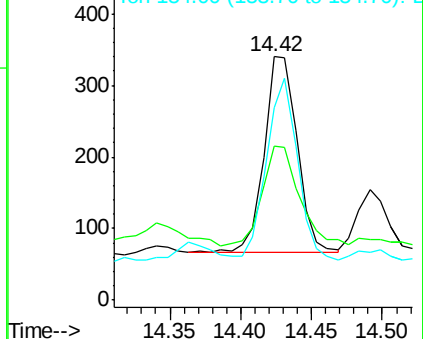
153 100

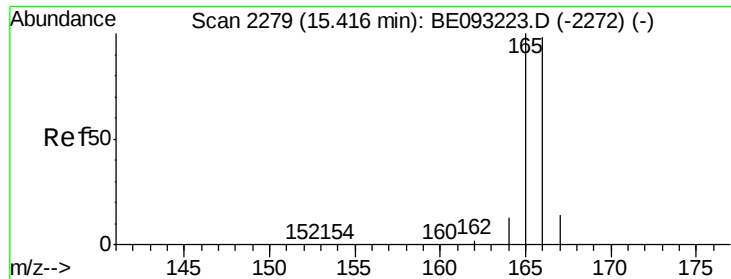
152 63.2 40.3 60.5#

154 79.1 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

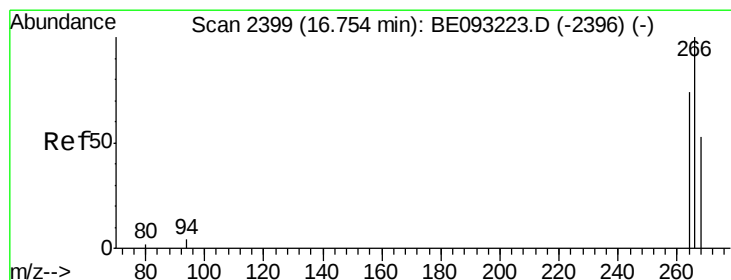
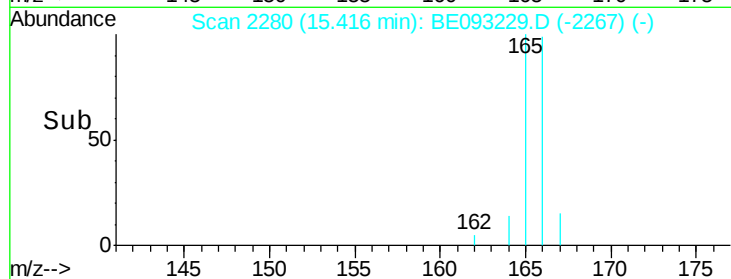
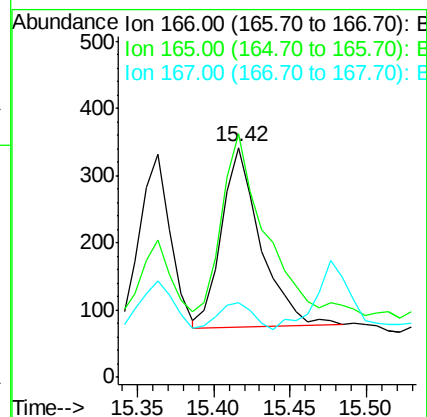
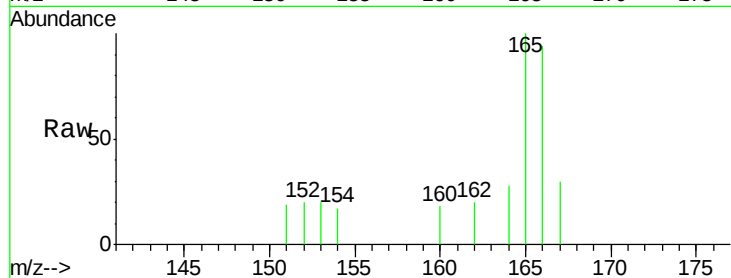




#9
Fluorene
 Concen: 0.01 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093229.D
 Acq: 16 Jun 2017 3:56

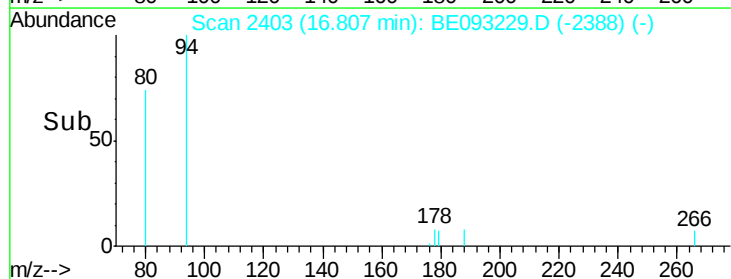
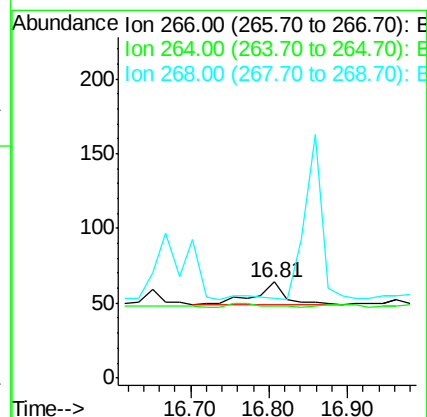
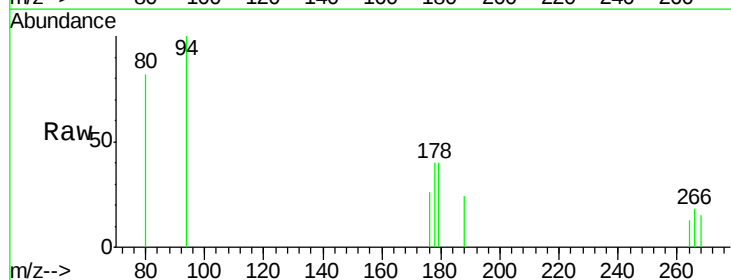
Instrument :
 BNA_E
 ClientSampleId :

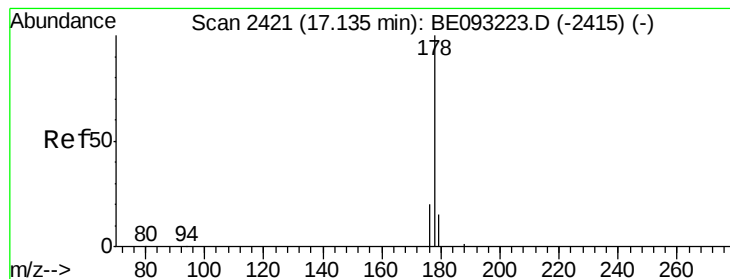
Tot Ion:166 Resp: 473
 Ion Ratio Lower Upper
 166 100
 165 105.8 73.4 110.2
 167 32.2 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.81 min Scan# 2403
 Delta R.T. 0.05 min
 Lab File: BE093229.D
 Acq: 16 Jun 2017 3:56

Tgt Ion:266 Resp: 42
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.51 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

Instrument :

BNA_E

ClientSampleId :

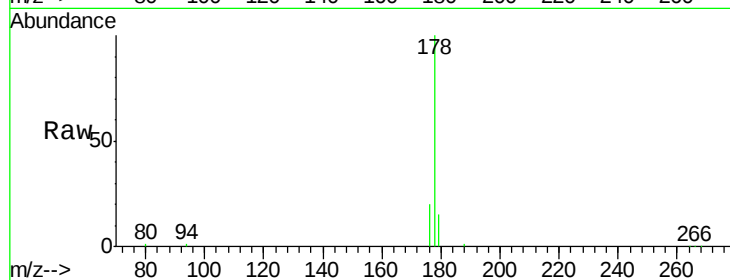
Tot Ion:178 Resp: 29367

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

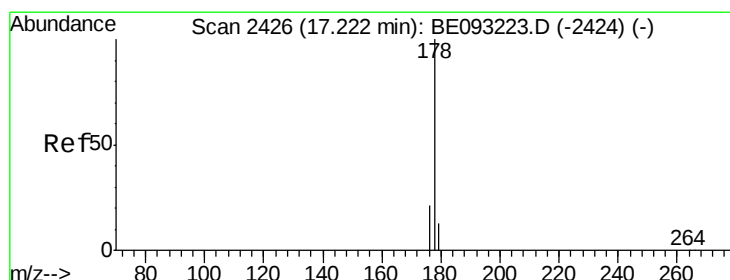
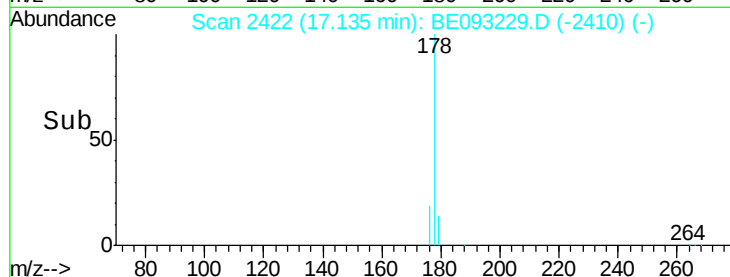
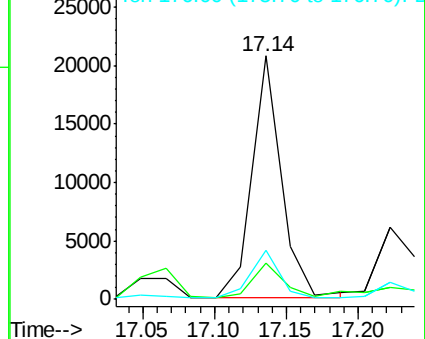
176 19.9 13.6 20.4



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: 0.22 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

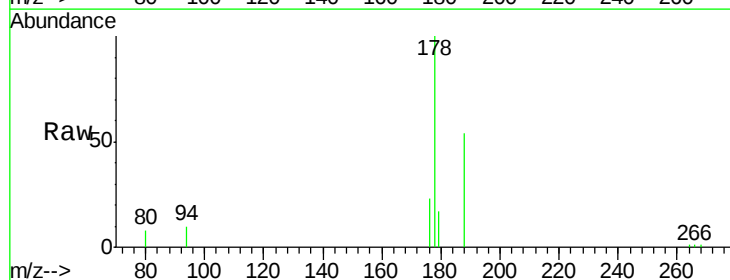
Tgt Ion:178 Resp: 11133

Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

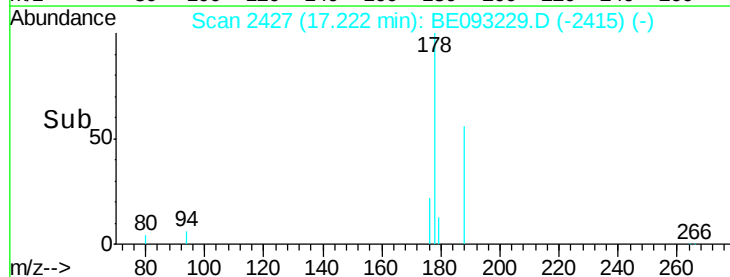
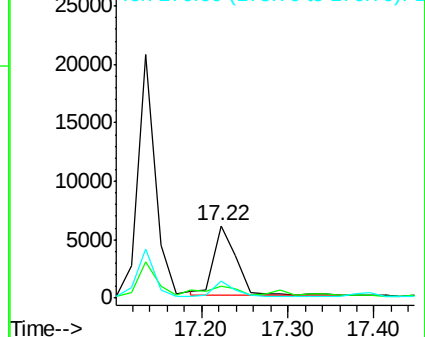
176 22.9 14.7 22.1#

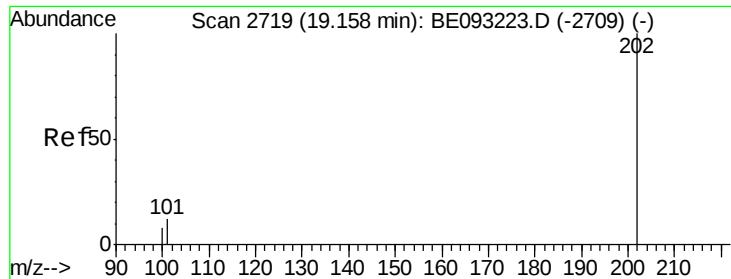


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

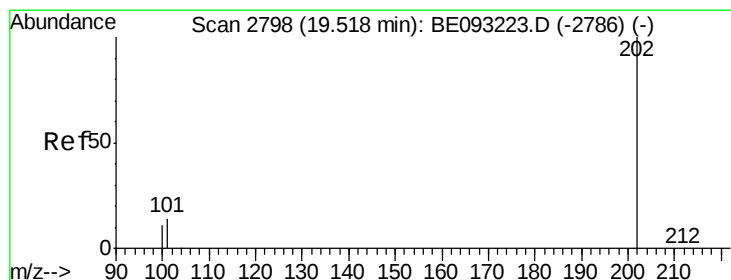
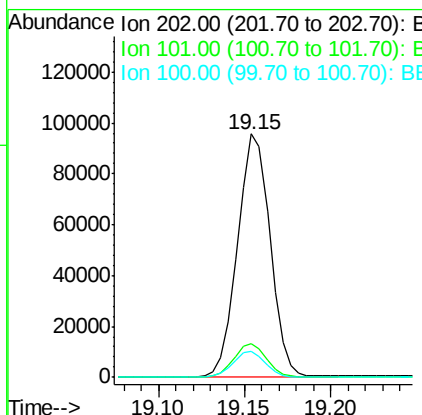
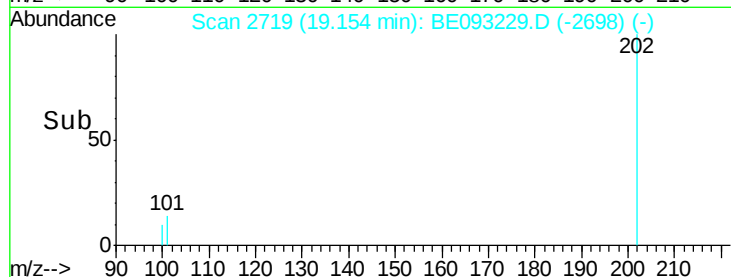
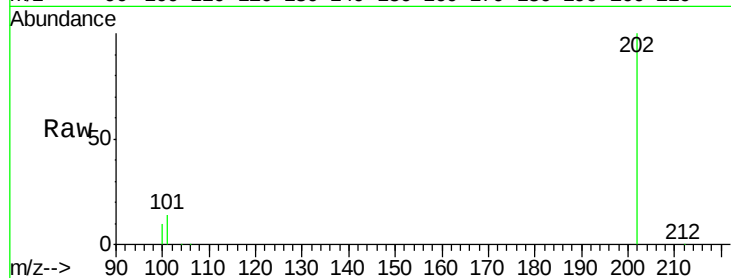




#15
Fluoranthene
Concen: 1.78 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

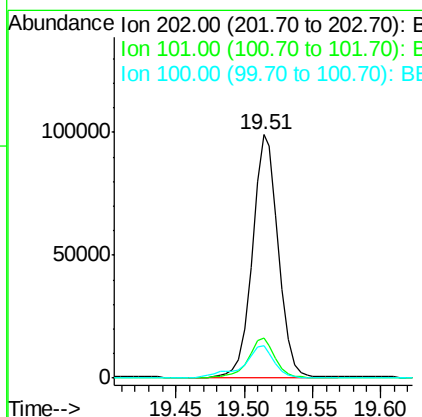
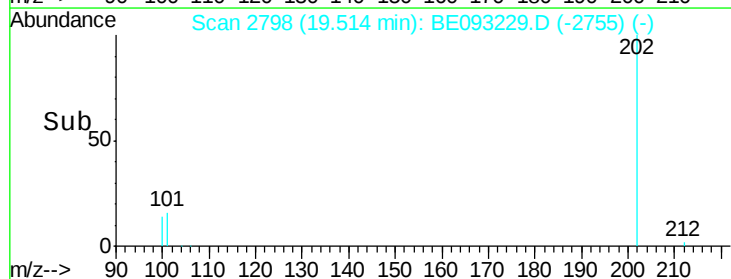
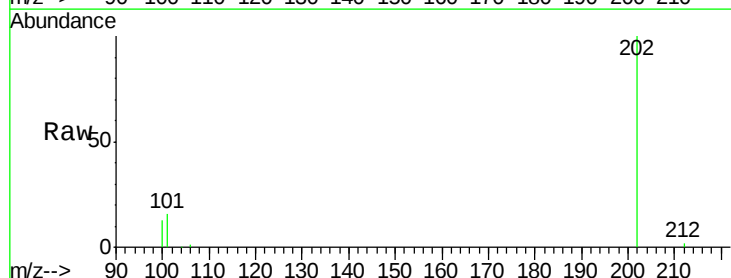
Instrument :
BNA_E
ClientSampleId :

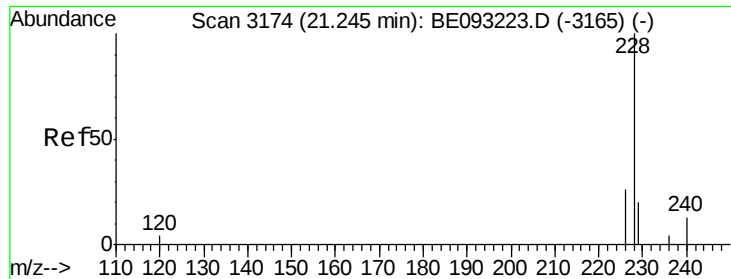
Tot Ion:202 Resp: 124471
Ion Ratio Lower Upper
202 100
101 13.9 0.0 30.3
100 10.5 0.0 39.5



#17
Pyrene
Concen: 2.10 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:202 Resp: 130221
Ion Ratio Lower Upper
202 100
101 16.3 18.2 27.4#
100 13.5 15.6 23.4#

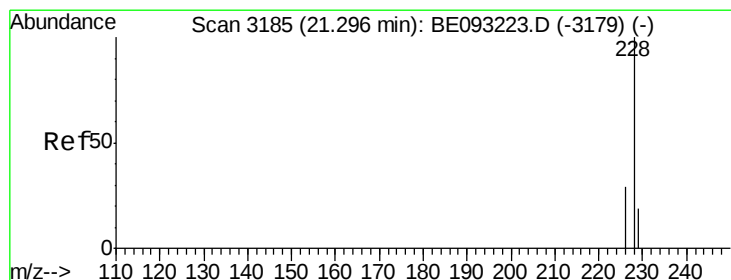
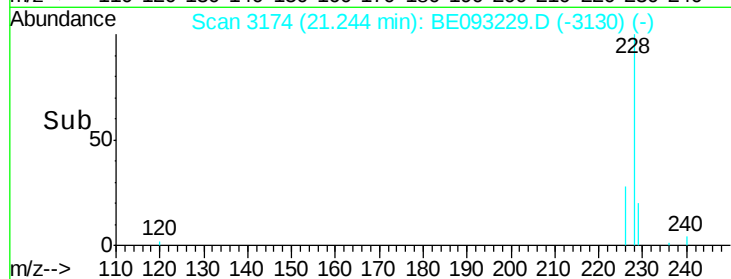
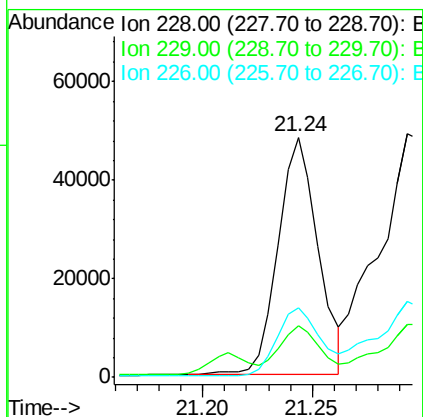
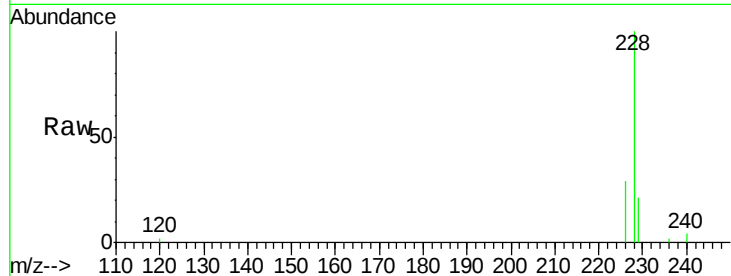




#18
Benzo(a)anthracene
Concen: 1.10 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

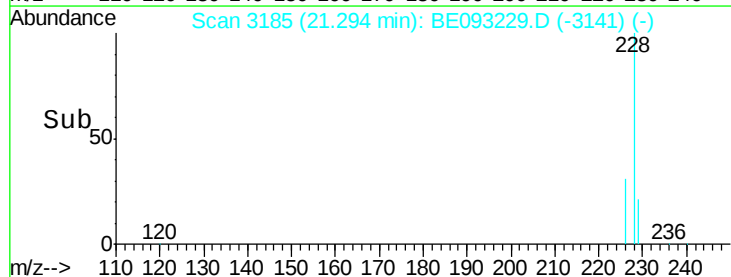
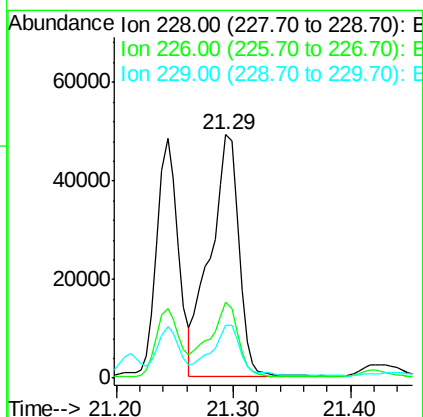
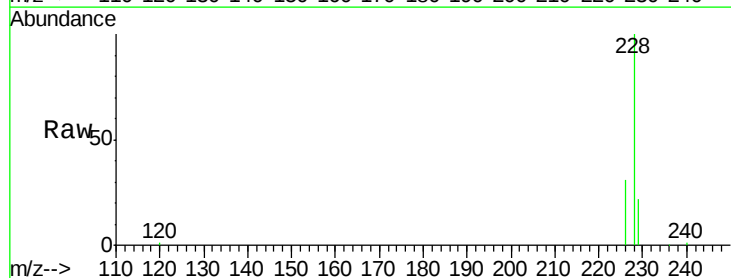
Instrument :
BNA_E
ClientSampleId :

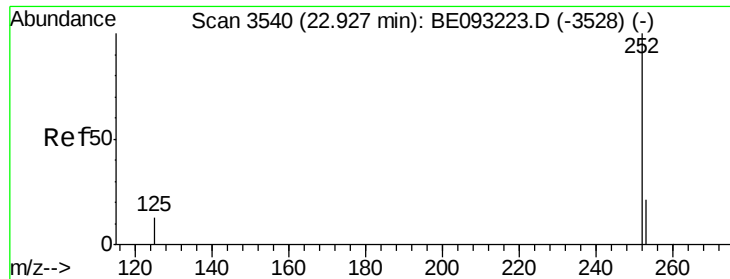
Tot Ion:228 Resp: 61557
Ion Ratio Lower Upper
228 100
229 21.4 22.8 34.2#
226 29.0 17.0 25.6#



#19
Chrysene
Concen: 1.42 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:228 Resp: 82774
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.0
229 21.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.05 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

Instrument :

BNA_E

ClientSampleId :

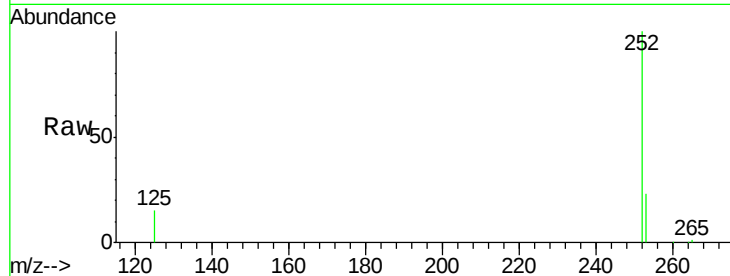
Tot Ion:252 Resp: 172216

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

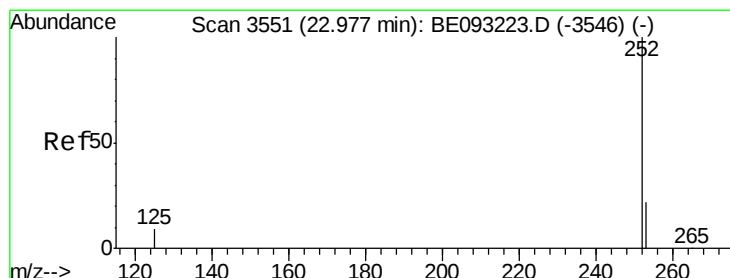
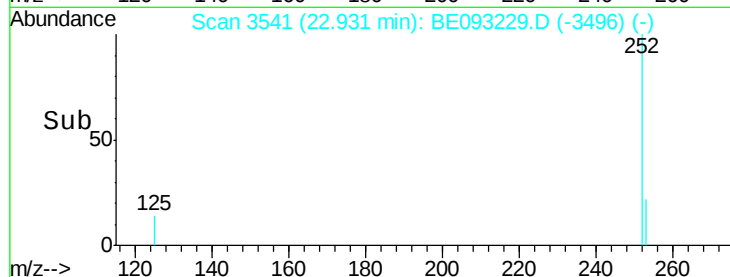
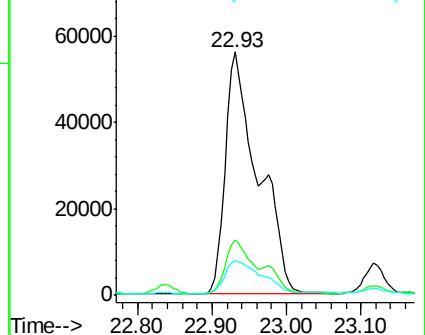
125 14.6 0.0 35.0



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: 2.87 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.05 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

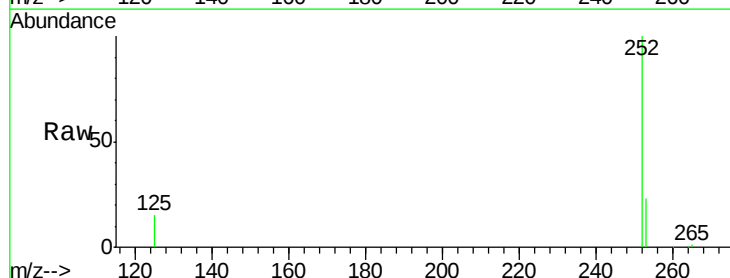
Tgt Ion:252 Resp: 172216

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

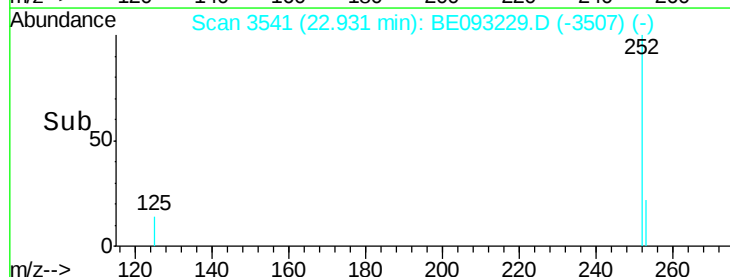
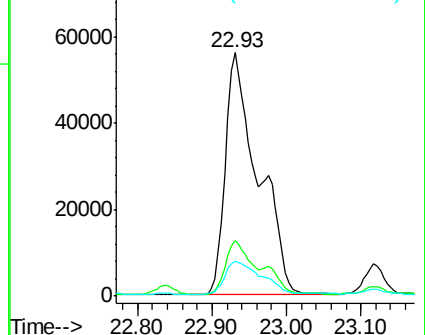
125 14.6 13.7 20.5

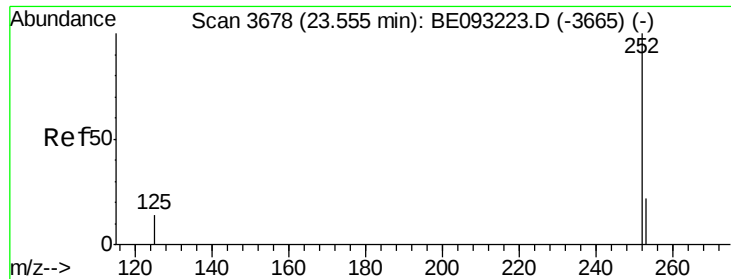


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

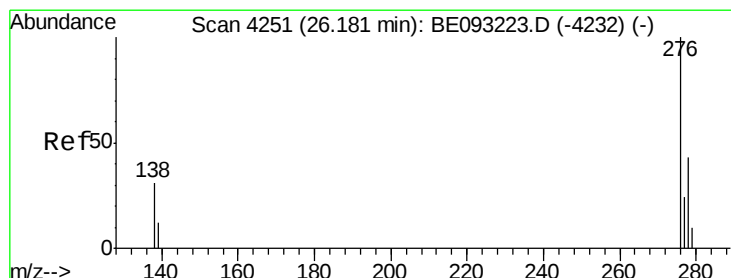
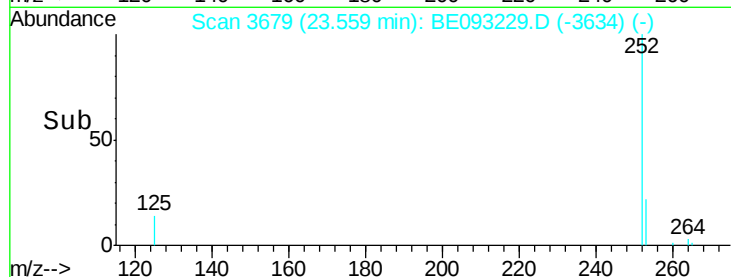
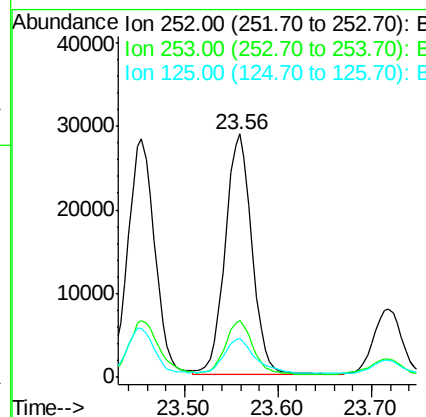
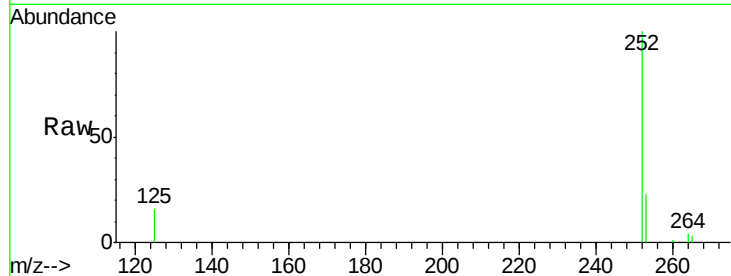




#23
Benzo(a)pyrene
Concen: 1.05 ng/ul
RT: 23.56 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

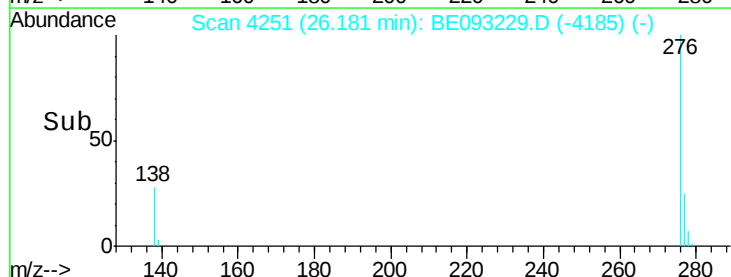
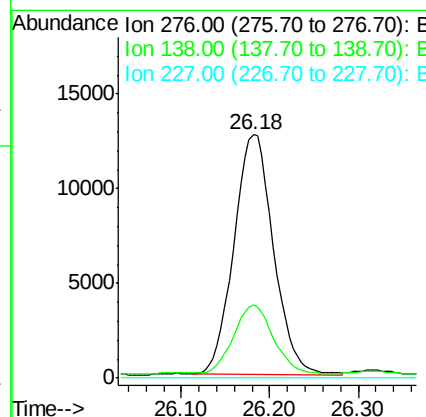
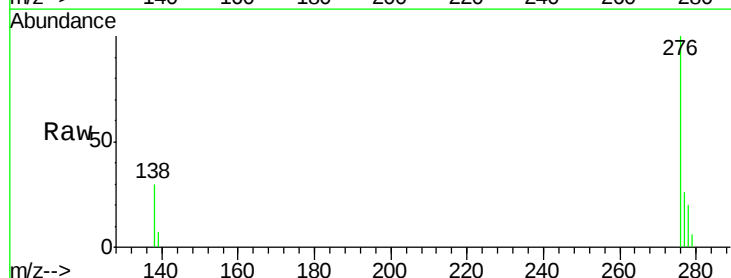
Instrument :
BNA_E
ClientSampleId :

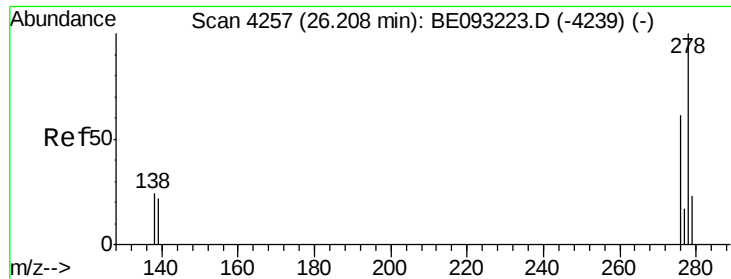
Tot Ion:252 Resp: 56378
Ion Ratio Lower Upper
252 100
253 23.5 28.5 42.7#
125 15.9 18.1 27.1#



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.63 ng/ul
RT: 26.18 min Scan# 4251
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:276 Resp: 39175
Ion Ratio Lower Upper
276 100
138 29.1 28.0 42.0
227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.19 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.02 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

Instrument :

BNA_E

ClientSampleId :

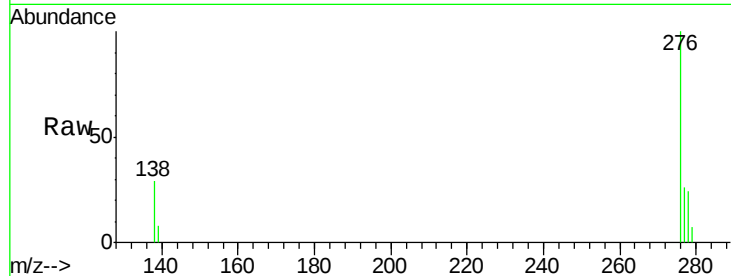
Tot Ion:278 Resp: 9841

Ion Ratio Lower Upper

278 100

139 33.0 17.4 26.0#

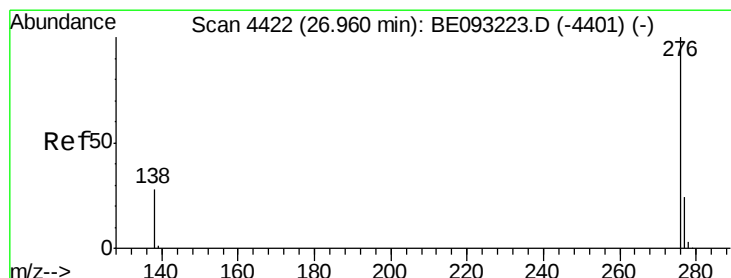
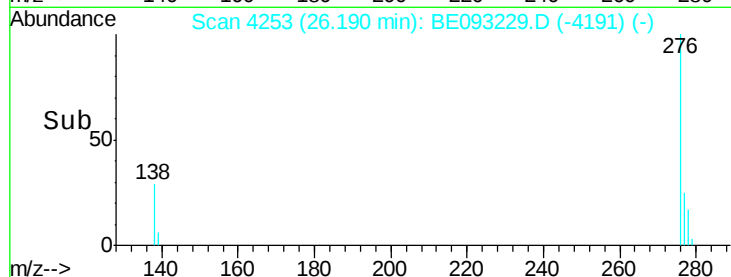
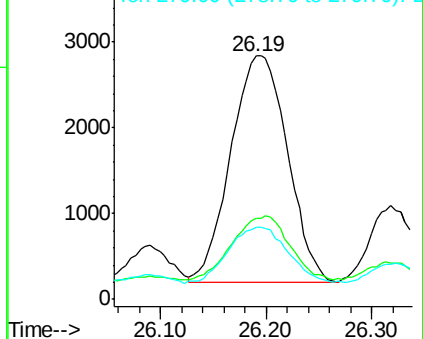
279 29.8 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.56 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093229.D

Acq: 16 Jun 2017 3:56

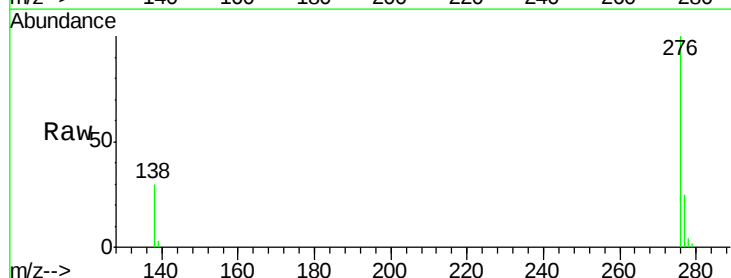
Tgt Ion:276 Resp: 29915

Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.8

277 24.6 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

