

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
 Data File : BE093090.D
 Acq On : 8 Jun 2017 20:48
 Operator : SJ/MA
 Sample : MDL-S-7
 Misc : 0.07 PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 09 07:45:10 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

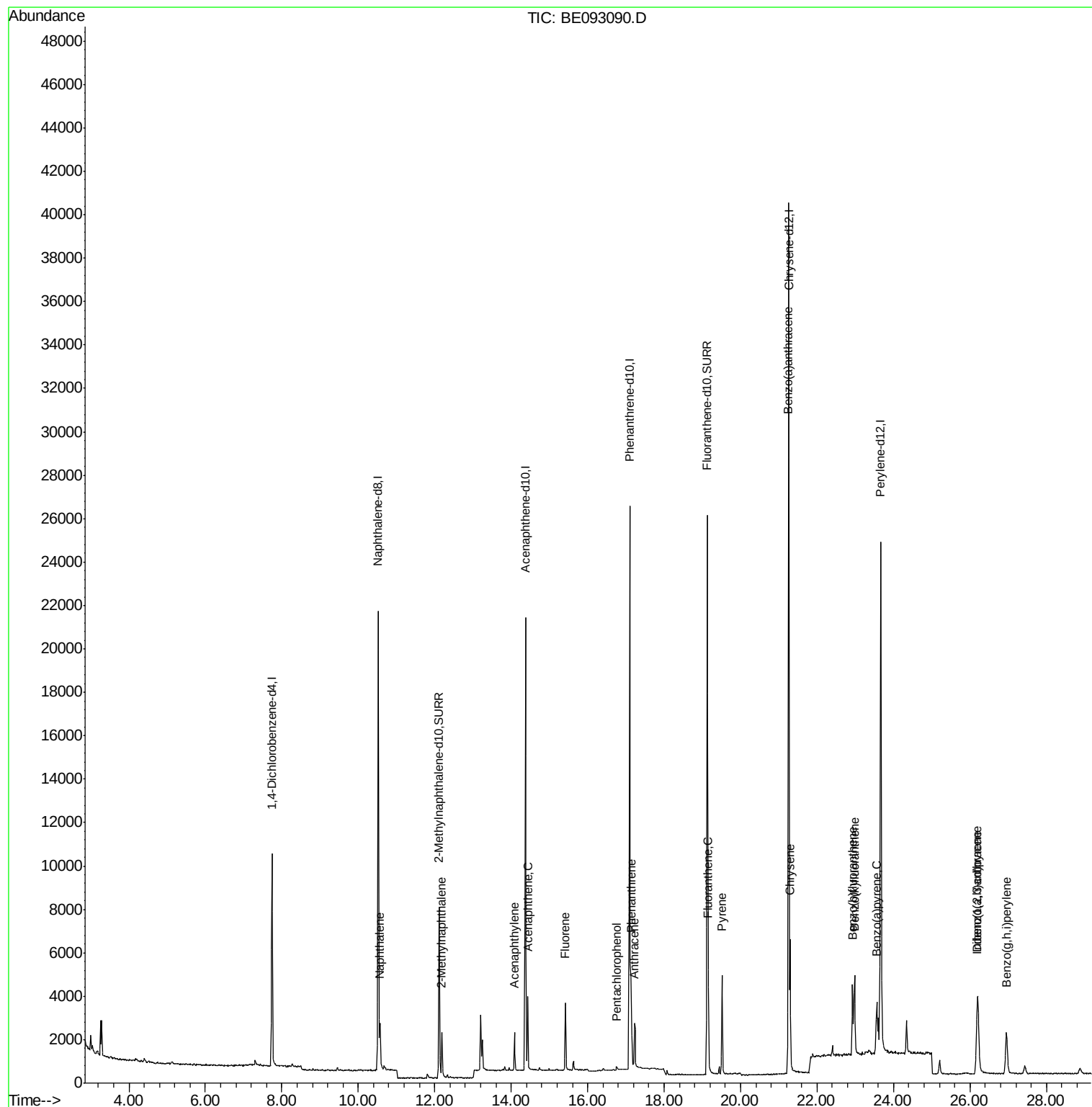
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	5073	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22848	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11411	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	31785	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	36542	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	34674	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	11603	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	28649	0.33	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	2888	0.051	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	1812	0.047	ng/ul	98
7) Acenaphthylene	14.09	152	2132	0.044	ng/ul	95
8) Acenaphthene	14.43	153	1943	0.049	ng/ul	98
9) Fluorene	15.42	166	2110	0.046	ng/ul	93
11) Pentachlorophenol	16.76	266	195	0.041	ng/ul	90
12) Phenanthrene	17.14	178	4394	0.050	ng/ul#	88
13) Anthracene	17.22	178	3375	0.044	ng/ul#	89
15) Fluoranthene	19.16	202	4877	0.045	ng/ul	84
17) Pyrene	19.52	202	5031	0.047	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	4573	0.047	ng/ul#	85
19) Chrysene	21.30	228	5055	0.050	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	4414	0.042	ng/ul	90
22) Benzo(k)fluoranthene	22.98	252	5044	0.045	ng/ul#	92
23) Benzo(a)pyrene	23.56	252	4237	0.043	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.19	276	5153	0.045	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.21	278	4400	0.045	ng/ul#	79
26) Benzo(g,h,i)perylene	26.96	276	4445	0.045	ng/ul#	91

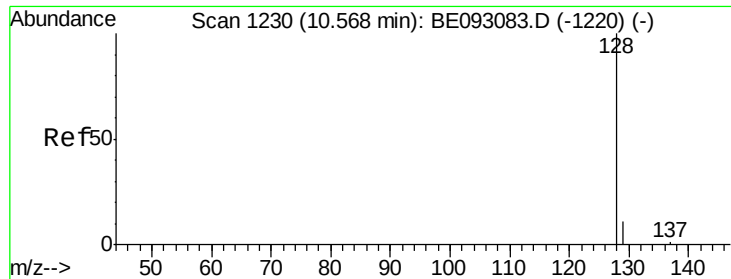
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.57 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

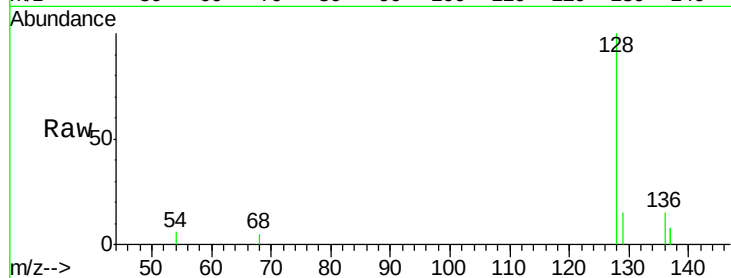
Tgt Ion:128 Resp: 2888

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

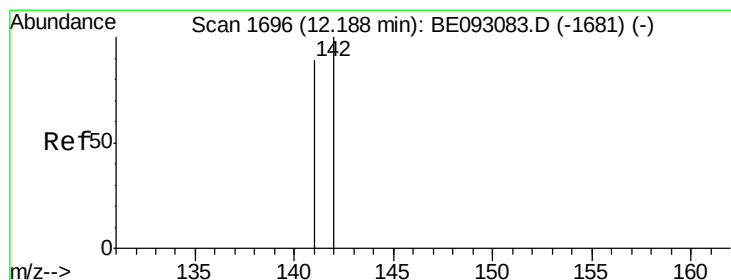
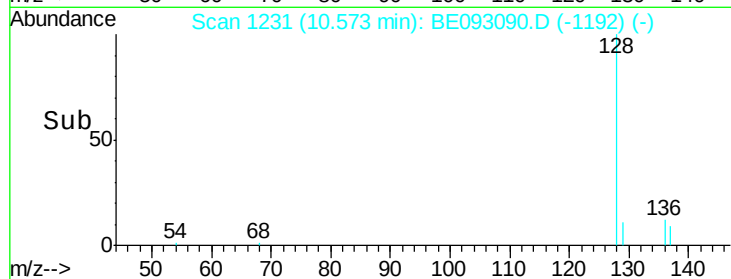
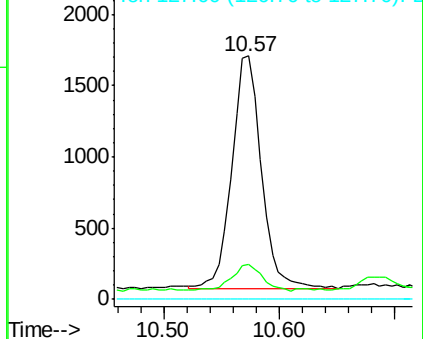
127 0.0 4.0 6.0#



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: 0.047 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093090.D

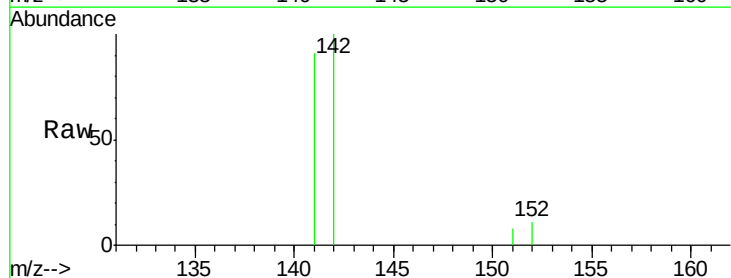
Acq: 8 Jun 2017 20:48

Tgt Ion:142 Resp: 1812

Ion Ratio Lower Upper

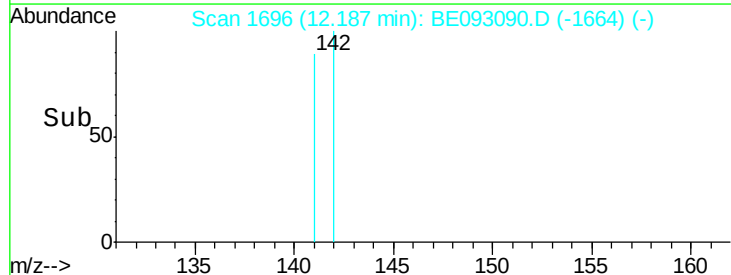
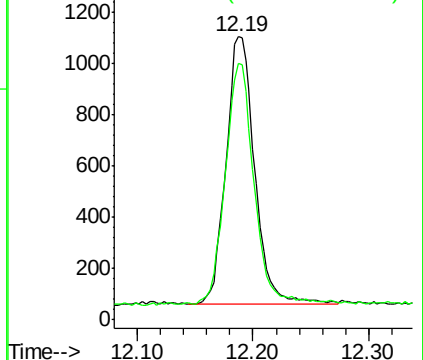
142 100

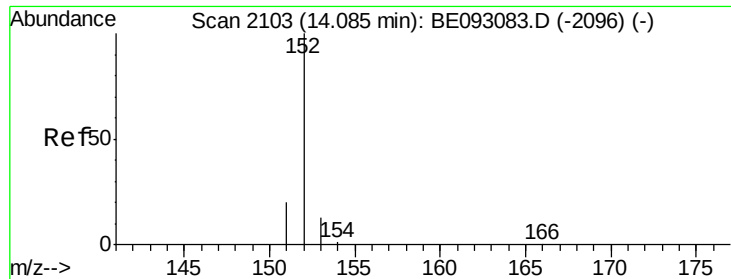
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093090.D

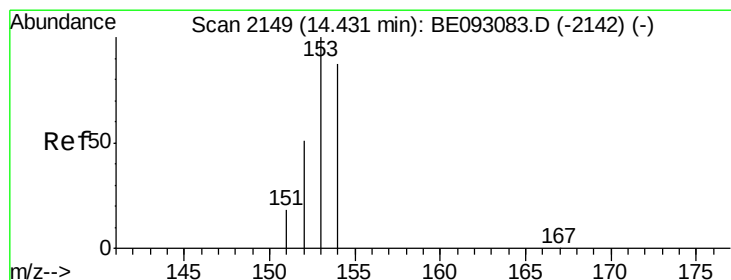
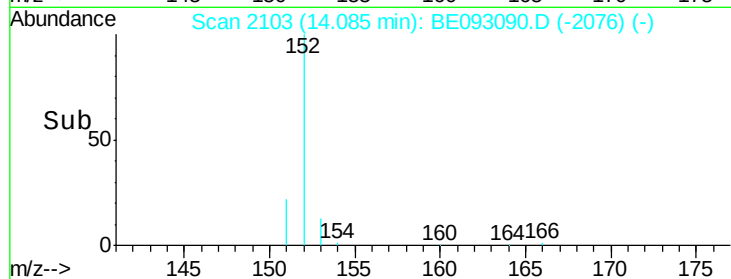
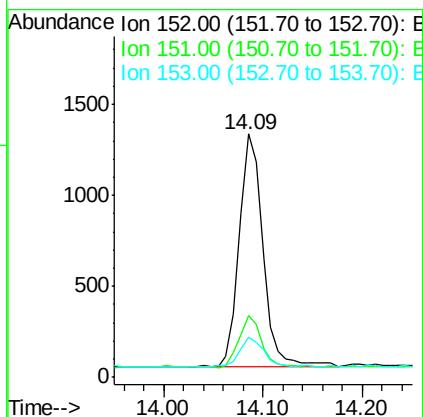
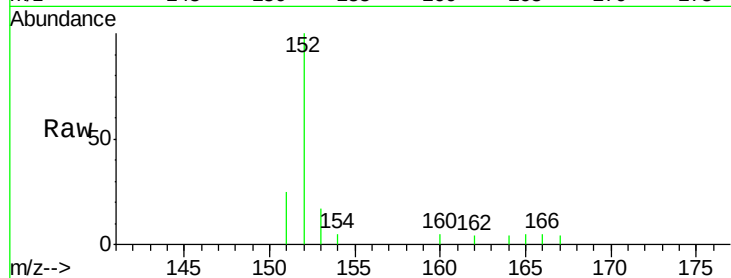
Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	152	Resp:	2132
Ion	Ratio	Lower	Upper
152	100		
151	25.3	17.1	25.7
153	16.5	12.8	19.2



#8

Acenaphthene

Concen: 0.049 ng/ul

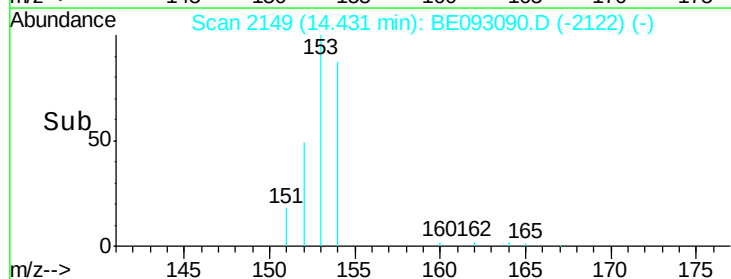
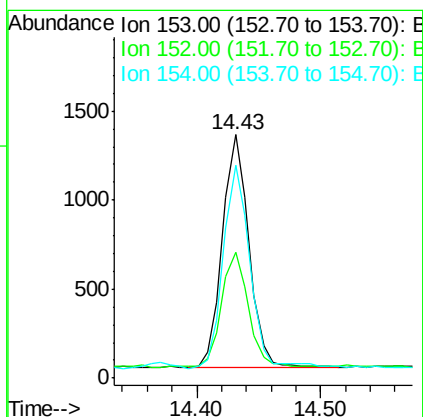
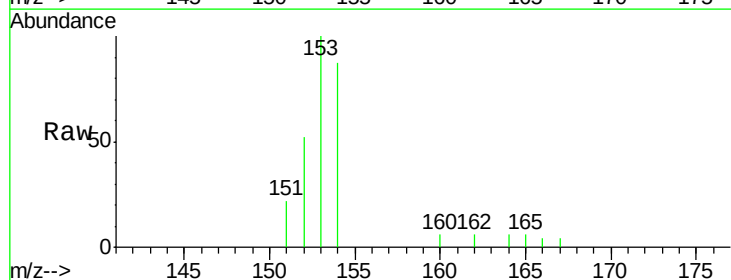
RT: 14.43 min Scan# 2149

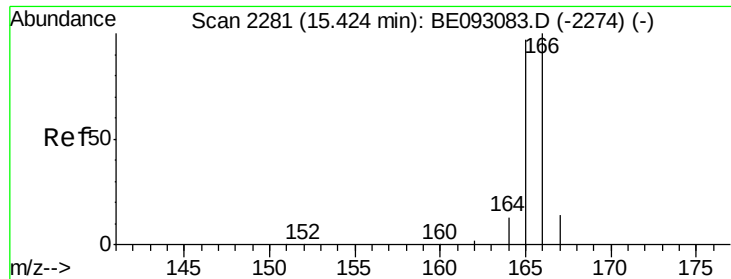
Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Tgt Ion:	153	Resp:	1943
Ion	Ratio	Lower	Upper
153	100		
152	51.6	40.3	60.5
154	87.4	71.4	107.2

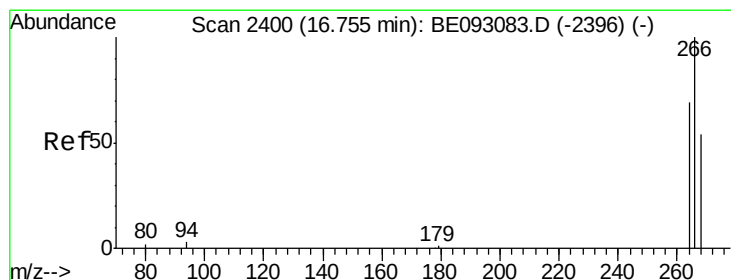
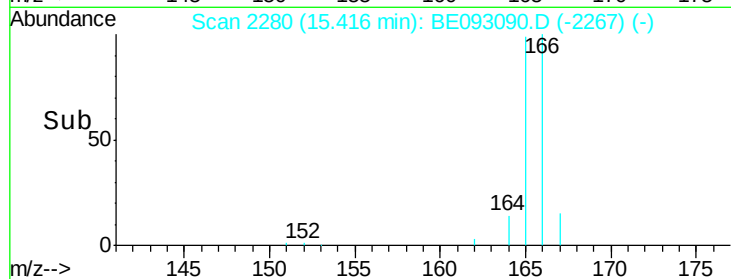
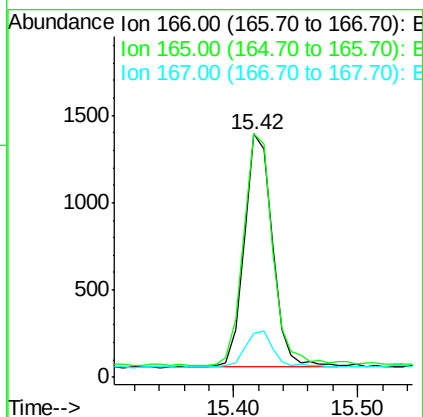
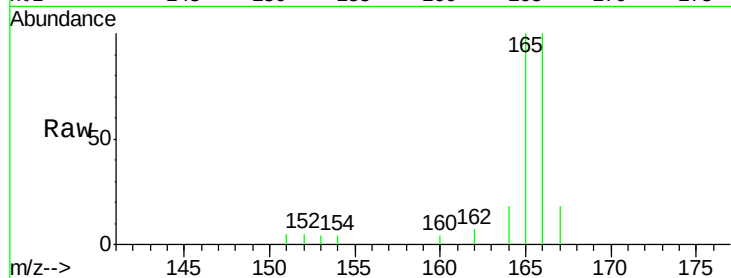




#9
Fluorene
 Concen: 0.046 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093090.D
 Acq: 8 Jun 2017 20:48

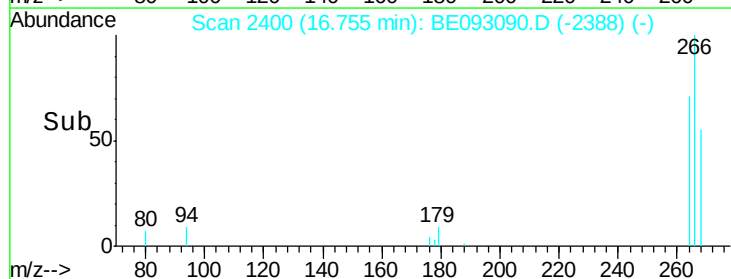
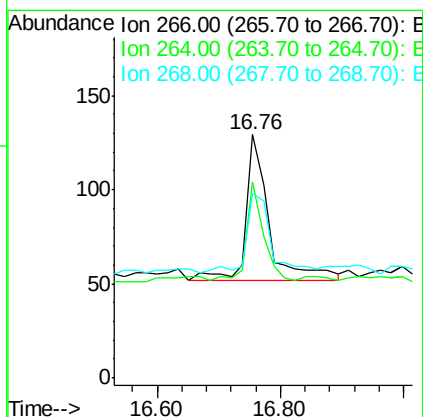
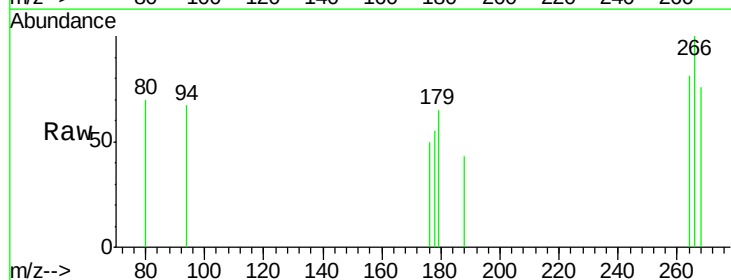
Instrument :
 BNA_E
 ClientSampleId :

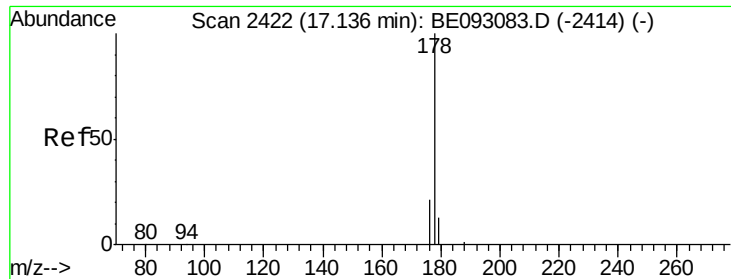
Tgt Ion:166 Resp: 2110
 Ion Ratio Lower Upper
 166 100
 165 100.1 73.4 110.2
 167 18.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.041 ng/ul
 RT: 16.76 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BE093090.D
 Acq: 8 Jun 2017 20:48

Tgt Ion:266 Resp: 195
 Ion Ratio Lower Upper
 266 100
 264 50.8 47.9 71.9
 268 56.4 49.8 74.8





#12

Phenanthrene

Concen: 0.050 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

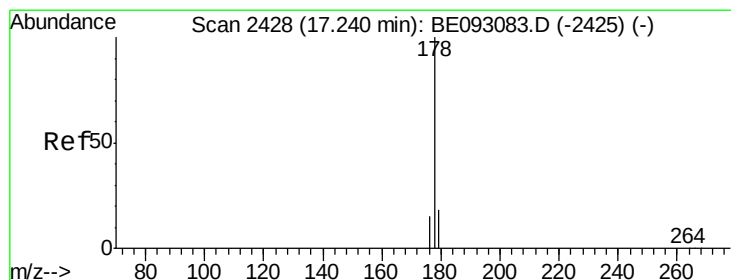
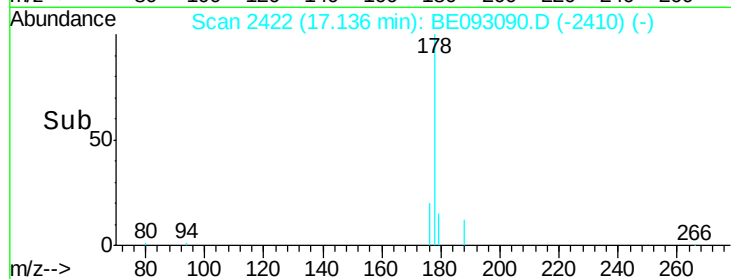
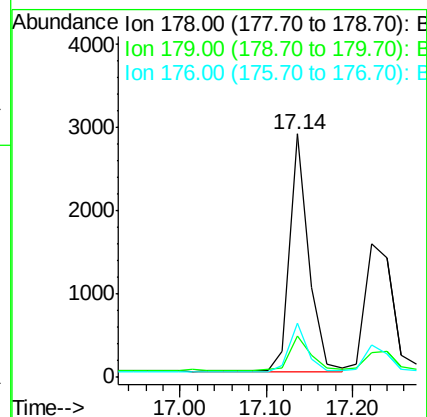
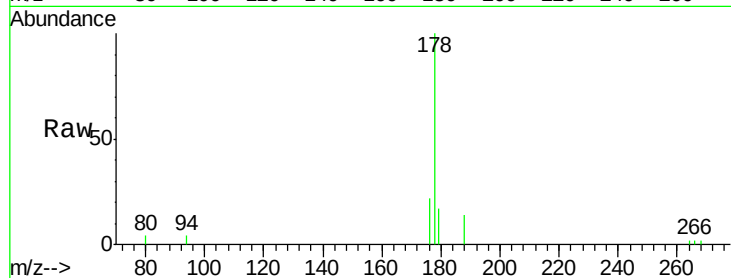
Tgt Ion:178 Resp: 4394

Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

176 22.0 13.6 20.4#



#13

Anthracene

Concen: 0.044 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.02 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

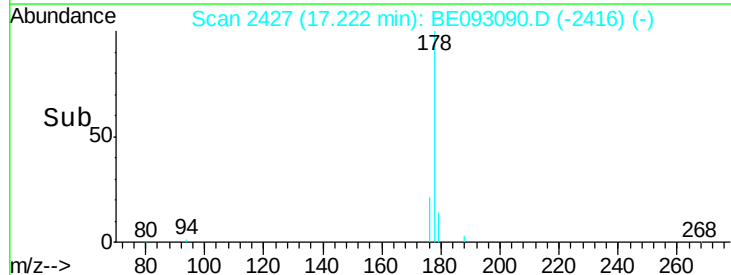
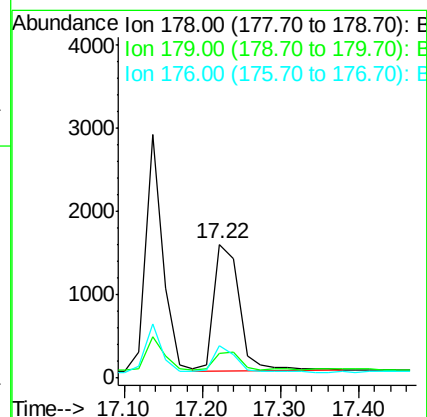
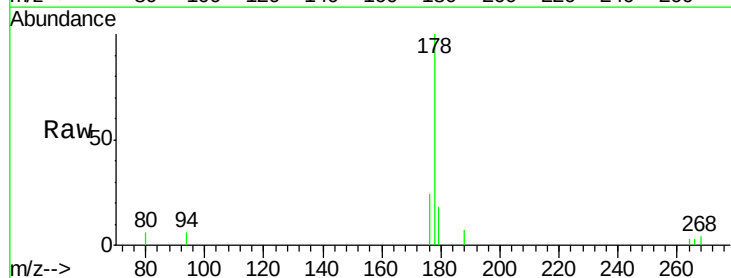
Tgt Ion:178 Resp: 3375

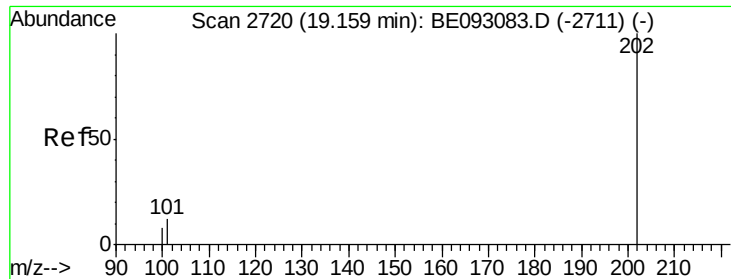
Ion Ratio Lower Upper

178 100

179 18.4 18.1 27.1

176 24.2 14.7 22.1#

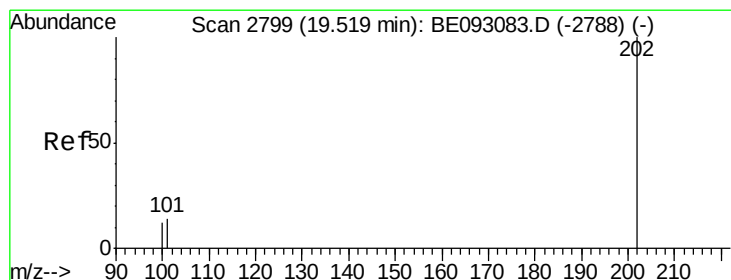
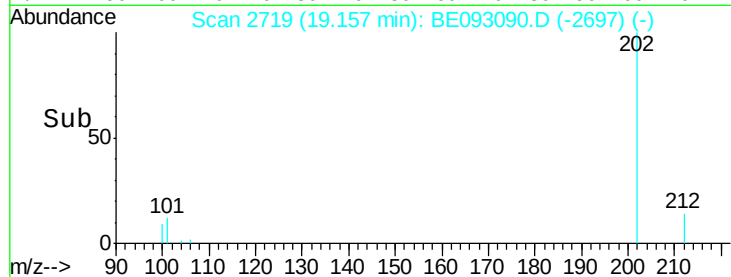
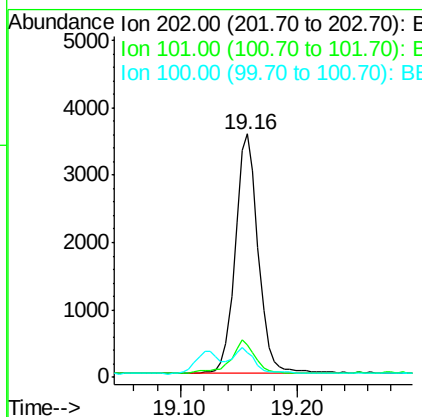
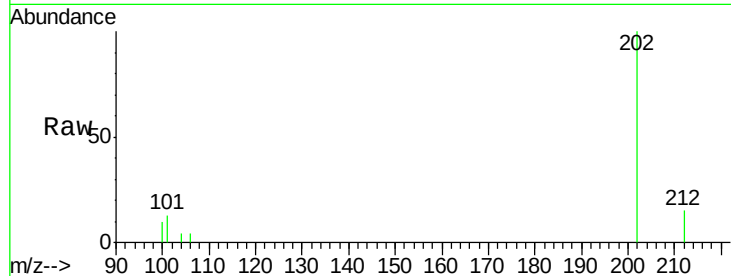




#15
Fluoranthene
 Concen: 0.045 ng/ul
 RT: 19.16 min Scan# 2719
 Delta R.T. -0.00 min
 Lab File: BE093090.D
 Acq: 8 Jun 2017 20:48

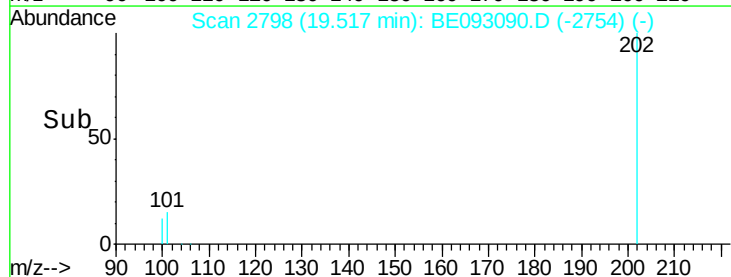
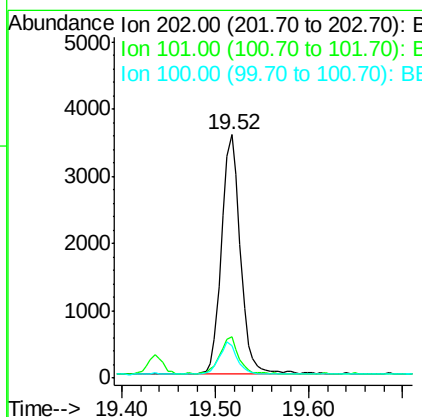
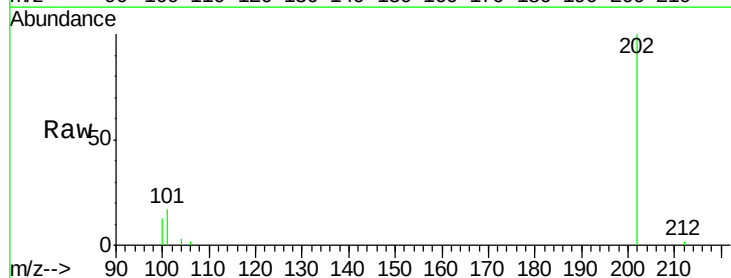
Instrument :
 BNA_E
 ClientSampleId :

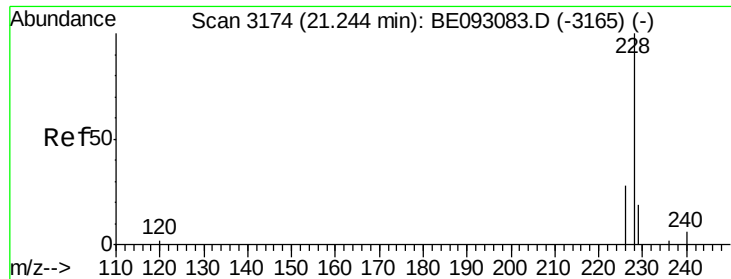
Tgt Ion:202 Resp: 4877
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 30.3
 100 10.1 0.0 39.5



#17
Pyrene
 Concen: 0.047 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093090.D
 Acq: 8 Jun 2017 20:48

Tgt Ion:202 Resp: 5031
 Ion Ratio Lower Upper
 202 100
 101 17.0 18.2 27.4#
 100 13.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.047 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

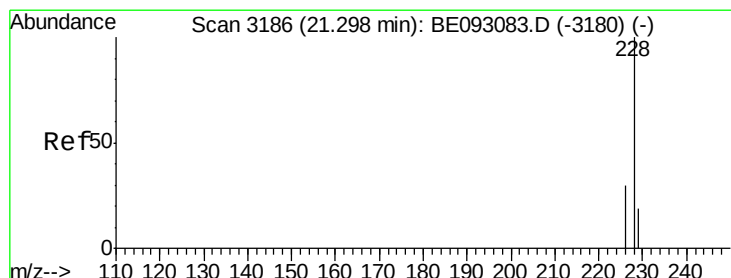
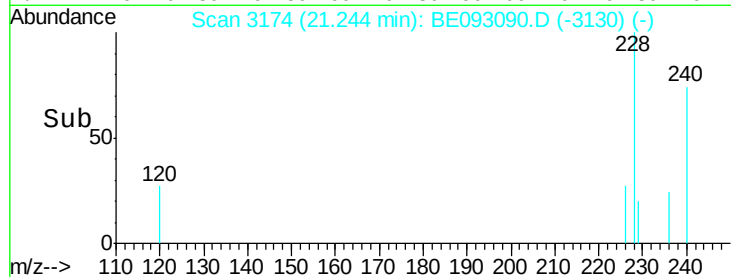
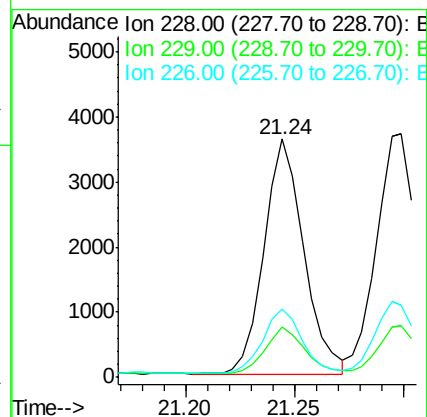
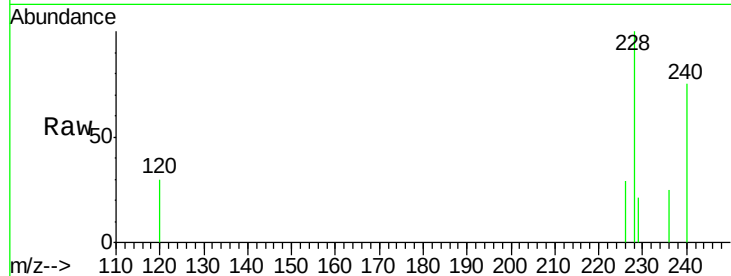
Tgt Ion:228 Resp: 4573

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

226 28.7 17.0 25.6#



#19

Chrysene

Concen: 0.050 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

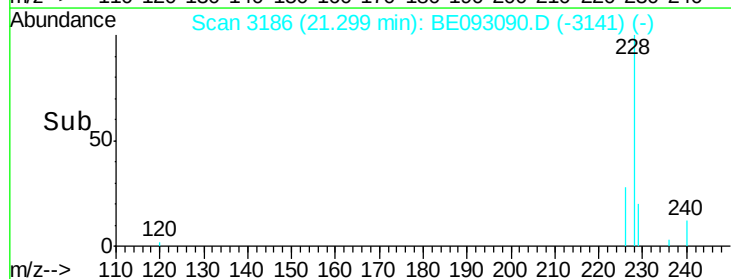
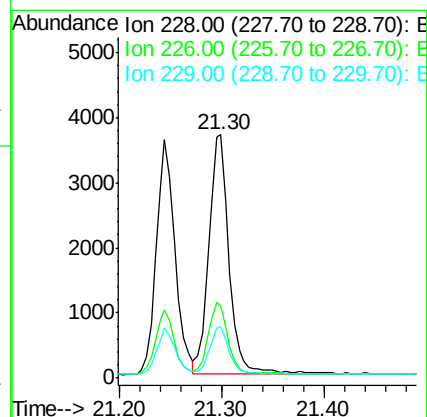
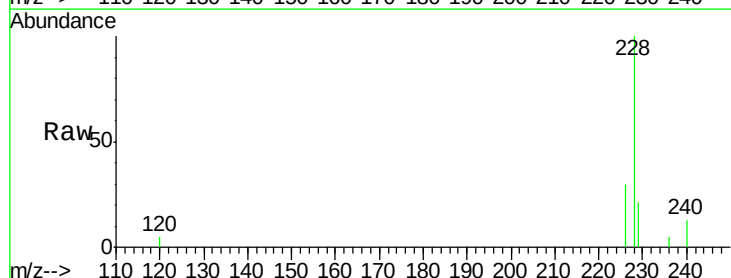
Tgt Ion:228 Resp: 5055

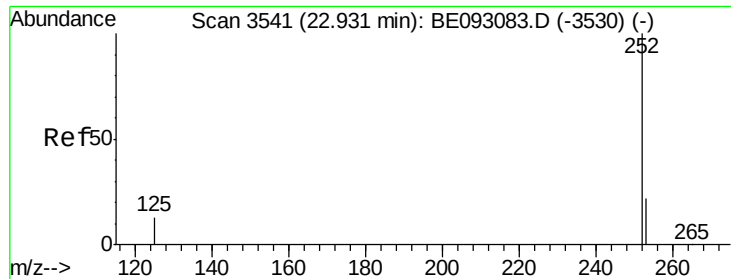
Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

229 21.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.042 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

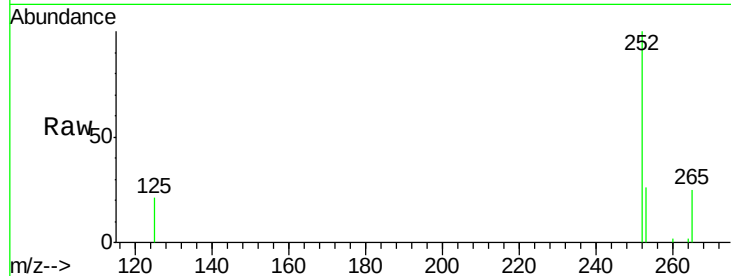
Tgt Ion:252 Resp: 4414

Ion Ratio Lower Upper

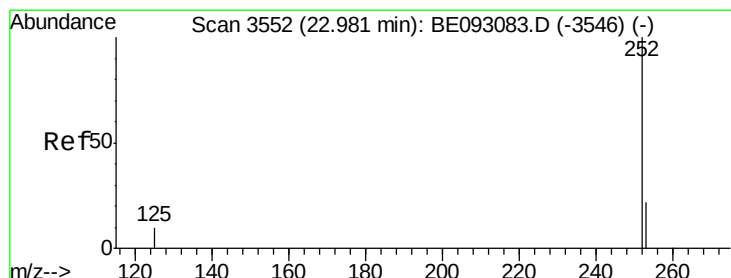
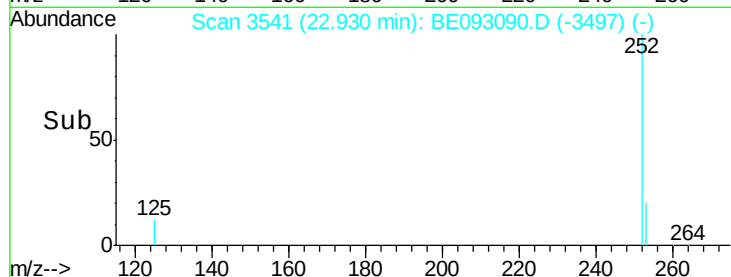
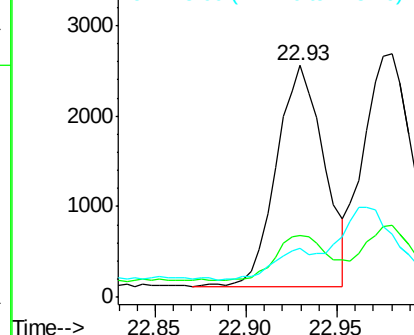
252 100

253 26.5 0.0 64.2

125 21.2 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: 0.045 ng/ul

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

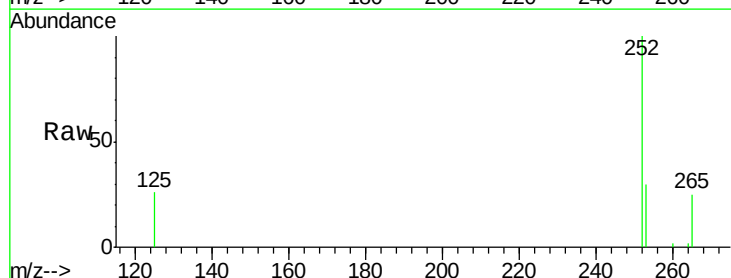
Tgt Ion:252 Resp: 5044

Ion Ratio Lower Upper

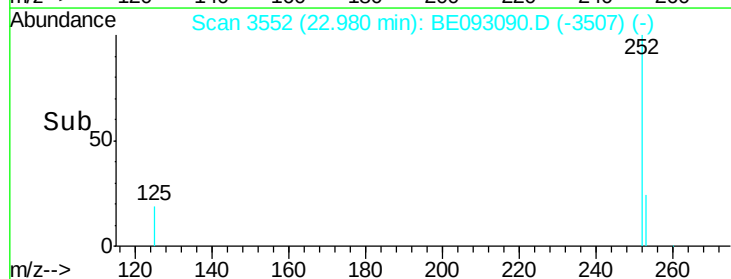
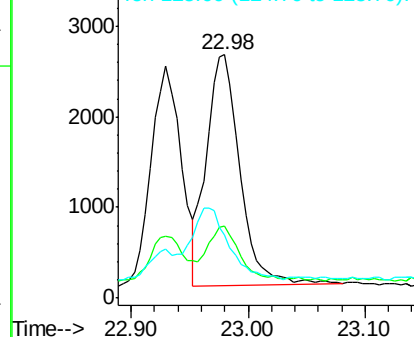
252 100

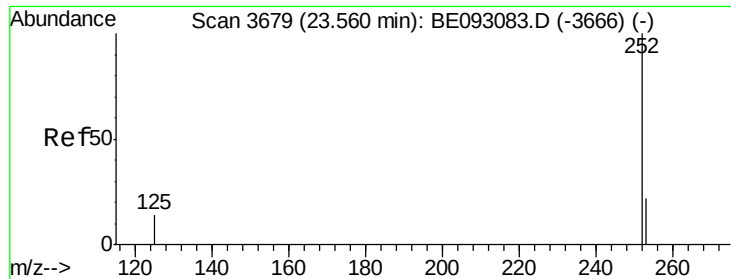
253 29.8 24.5 36.7

125 25.8 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: 0.043 ng/ul

RT: 23.56 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

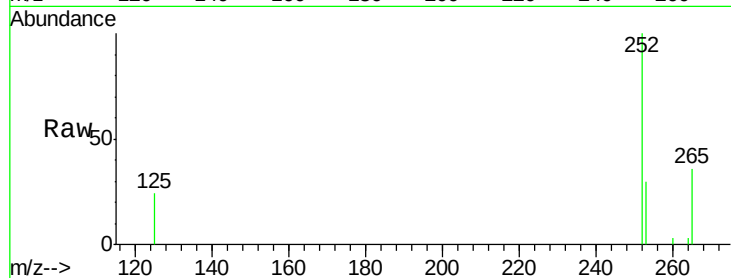
Tgt Ion:252 Resp: 4237

Ion Ratio Lower Upper

252 100

253 29.6 28.5 42.7

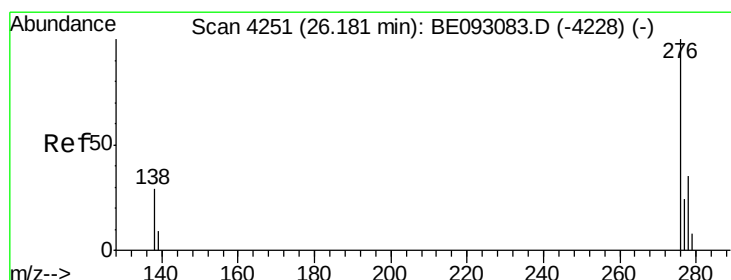
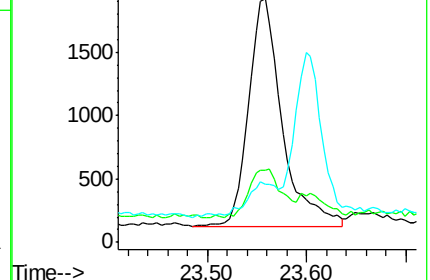
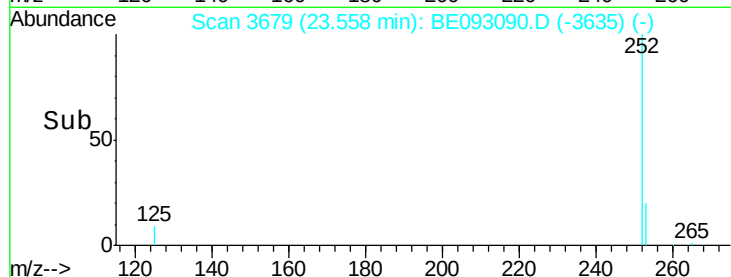
125 23.7 18.1 27.1



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: 0.045 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

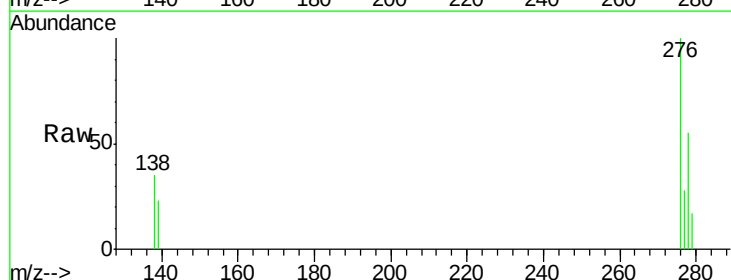
Tgt Ion:276 Resp: 5153

Ion Ratio Lower Upper

276 100

138 41.2 28.0 42.0

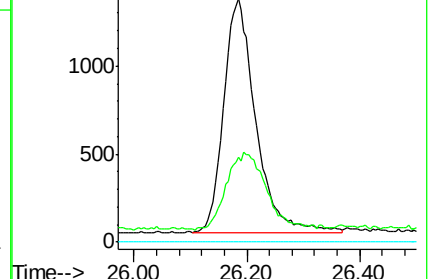
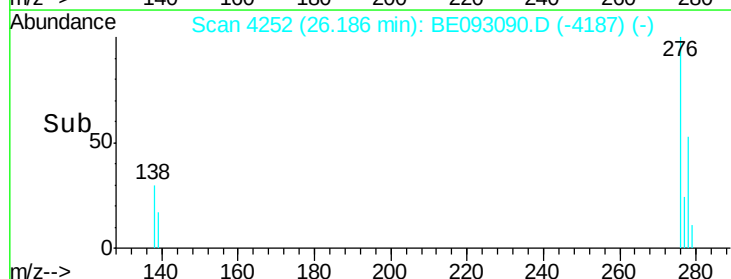
227 0.0 8.0 12.0#

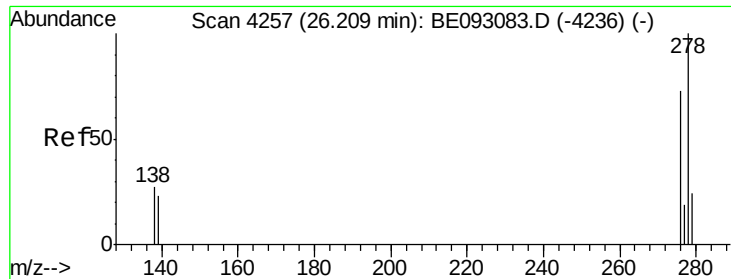


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.045 ng/ul

RT: 26.21 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

Instrument :

BNA_E

ClientSampleId :

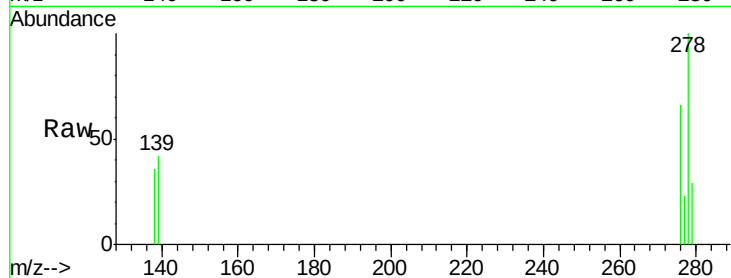
Tgt Ion:278 Resp: 4400

Ion Ratio Lower Upper

278 100

139 41.7 17.4 26.0#

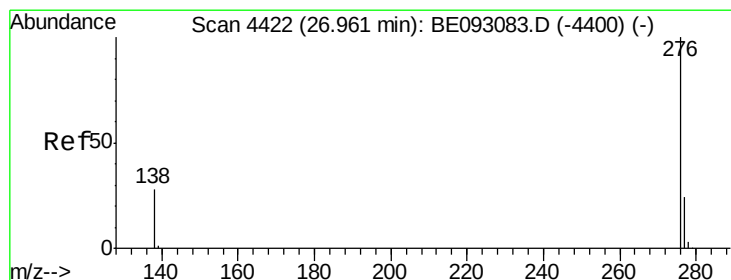
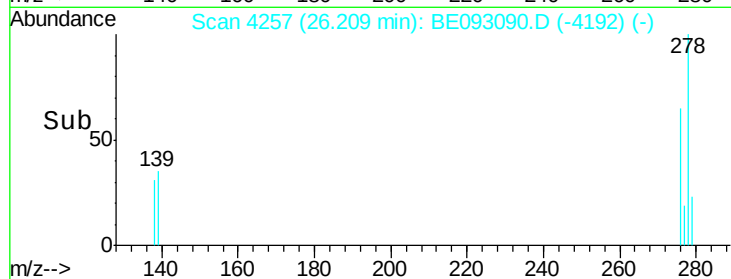
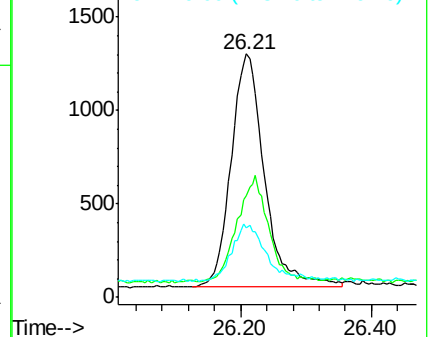
279 28.5 25.9 38.9



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: 0.045 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093090.D

Acq: 8 Jun 2017 20:48

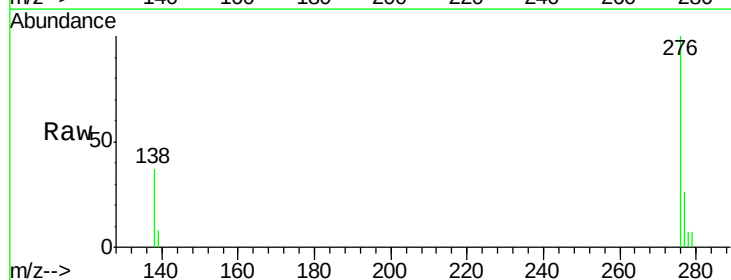
Tgt Ion:276 Resp: 4445

Ion Ratio Lower Upper

276 100

138 36.8 21.8 32.8#

277 25.6 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

