

Data File : BE093144.D
Acq On : 13 Jun 2017 23:22
Operator : SJ/MA
Sample : SSTDCCC0.468
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.402

Quant Time: Jun 14 01:27:00 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 01:25:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3600	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16492	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9290	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	24485	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	29137	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	24223	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	10146	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	28056	0.42	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	16877	0.41	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	11719	0.42	ng/ul	99
7) Acenaphthylene	14.08	152	16241	0.41	ng/ul	96
8) Acenaphthene	14.43	153	13128	0.41	ng/ul	99
9) Fluorene	15.42	166	15090	0.40	ng/ul#	91
11) Pentachlorophenol	16.75	266	1779	0.49	ng/ul	97
12) Phenanthrene	17.14	178	28455	0.42	ng/ul#	87
13) Anthracene	17.22	178	25795	0.44	ng/ul#	88
15) Fluoranthene	19.15	202	34260	0.41	ng/ul	84
17) Pyrene	19.51	202	35963	0.42	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	34018	0.44	ng/ul#	85
19) Chrysene	21.30	228	33414	0.41	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	30720	0.42	ng/ul	88
22) Benzo(k)fluoranthene	22.97	252	31370	0.40	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	29522	0.42	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.18	276	32944	0.41	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.20	278	27300	0.40	ng/ul#	91
26) Benzo(g,h,i)perylene	26.95	276	27617	0.40	ng/ul	97

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

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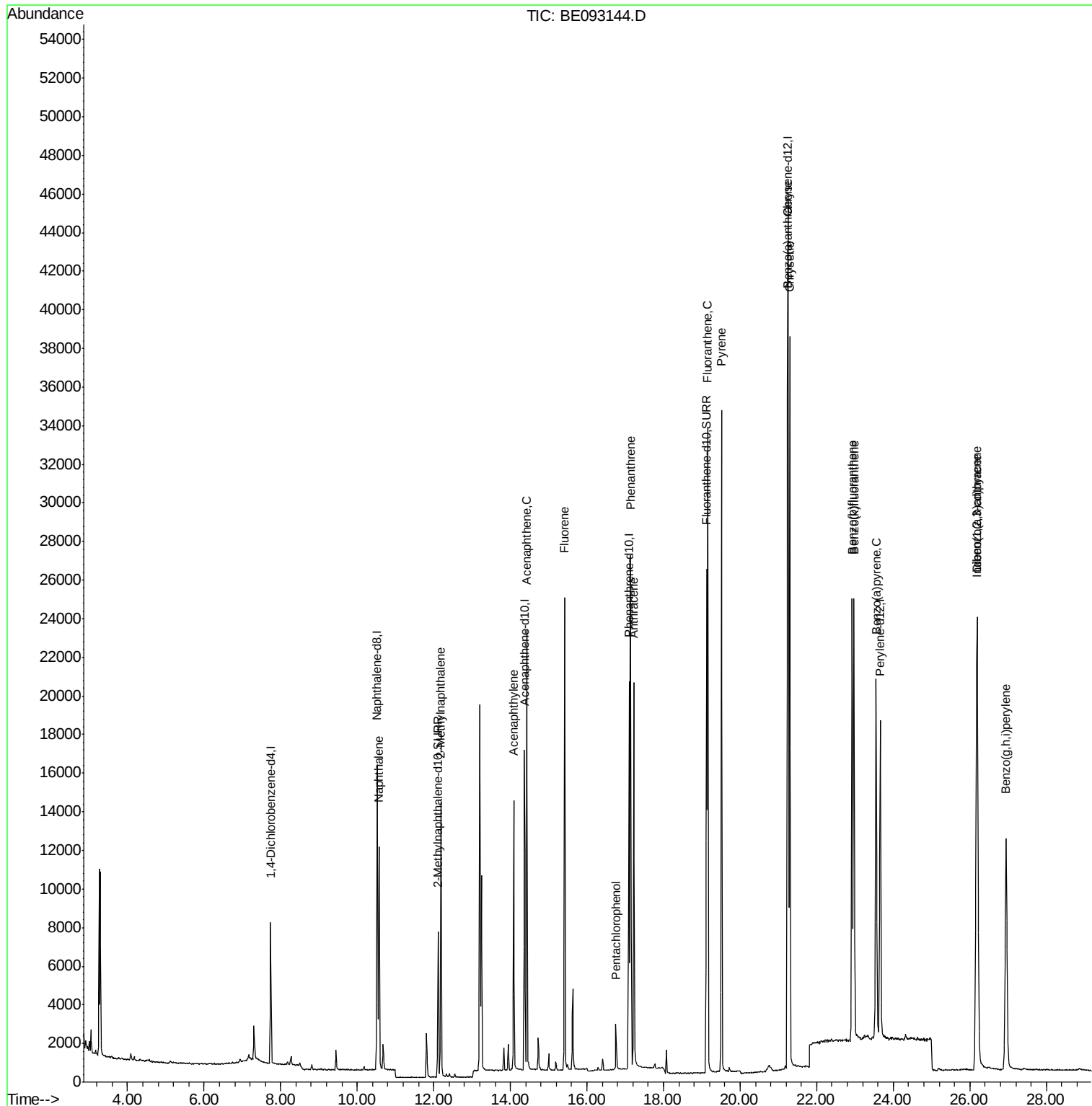
Quant Time: Jun 14 01:27:00 2017

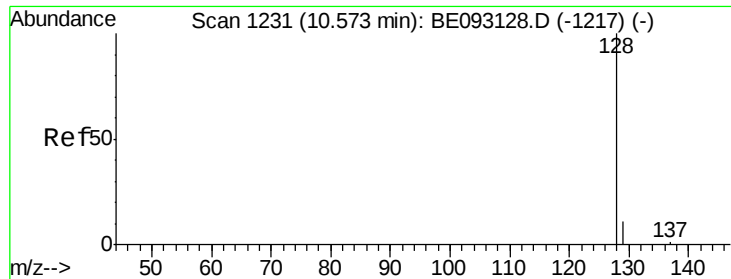
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

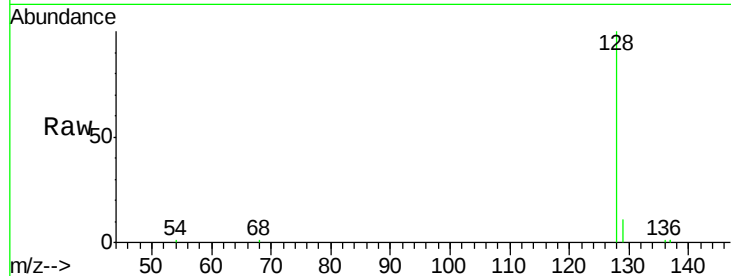
Tgt Ion:128 Resp: 16877

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

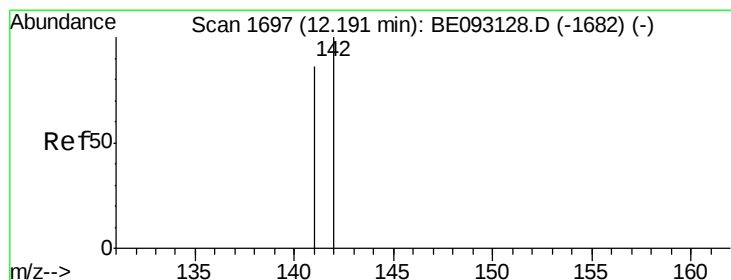
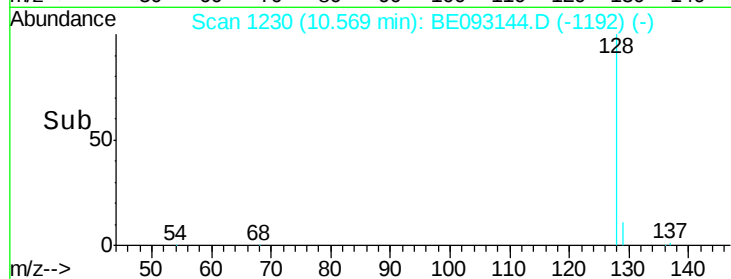
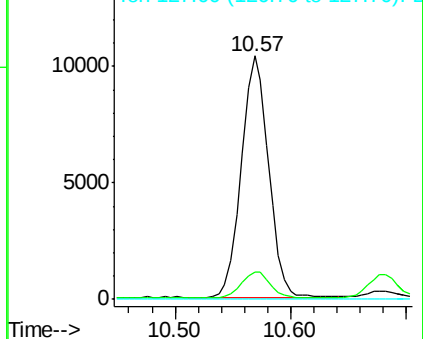
127 0.0 4.0 6.0#



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: 0.42 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BE093144.D

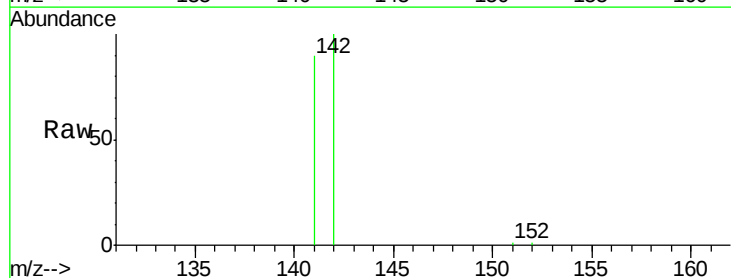
Acq: 13 Jun 2017 23:22

Tgt Ion:142 Resp: 11719

Ion Ratio Lower Upper

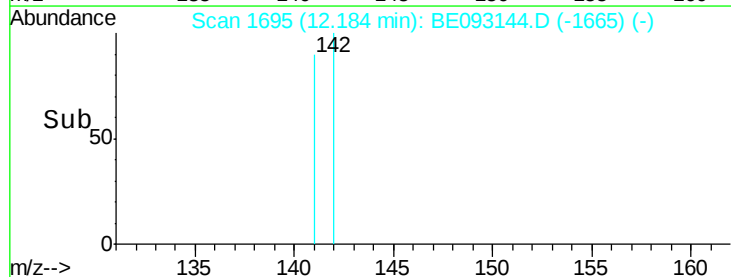
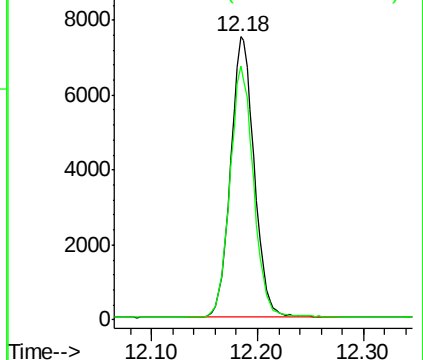
142 100

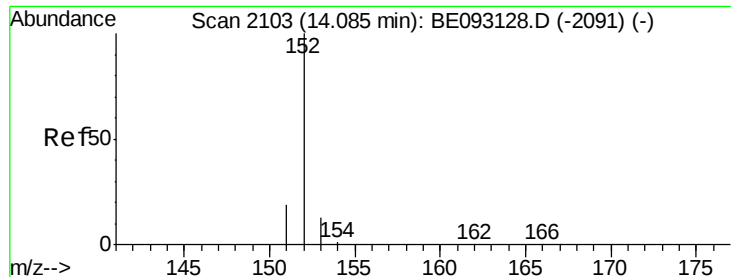
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampled :

SSTD0.402

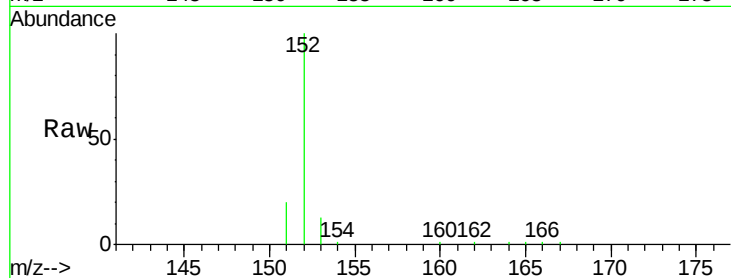
Tgt Ion:152 Resp: 16241

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

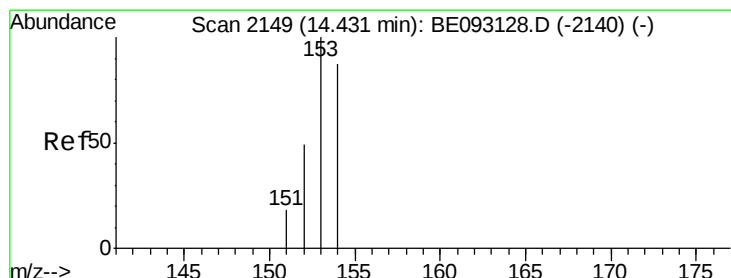
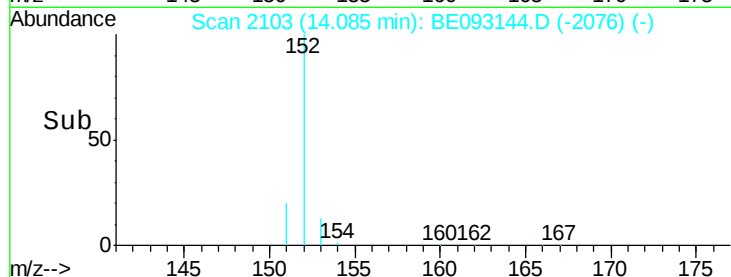
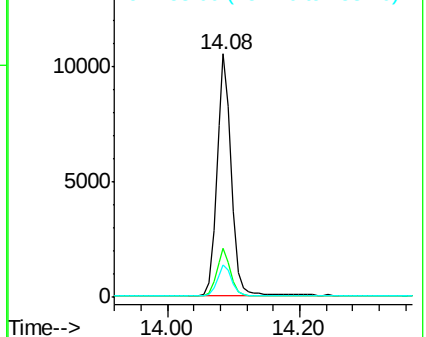
153 13.3 12.8 19.2



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: 0.41 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

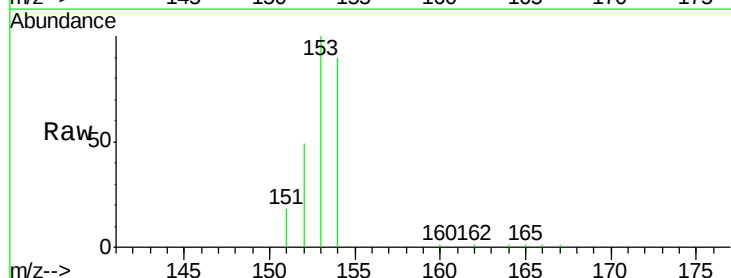
Tgt Ion:153 Resp: 13128

Ion Ratio Lower Upper

153 100

152 49.2 40.3 60.5

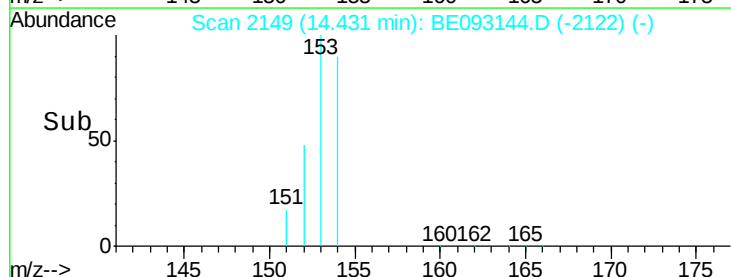
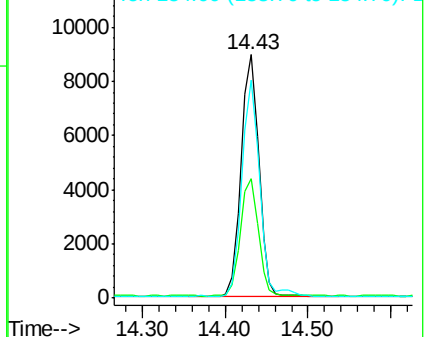
154 89.7 71.4 107.2

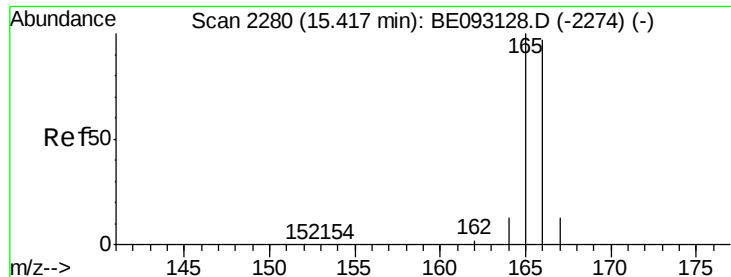


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

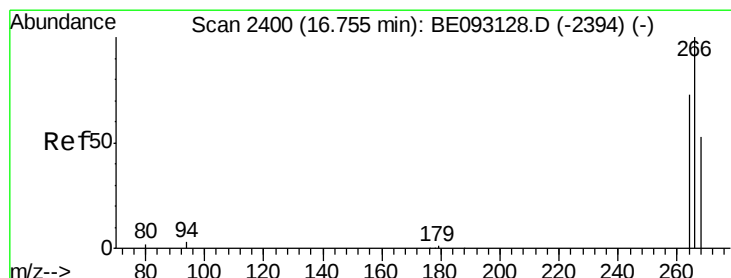
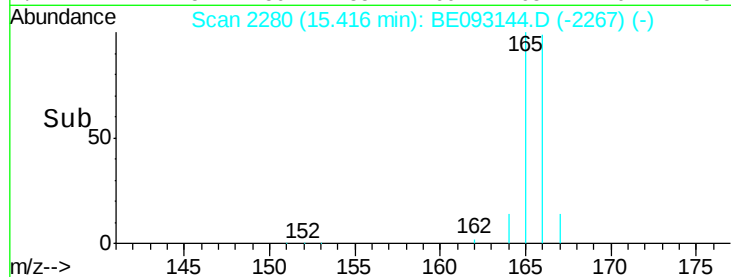
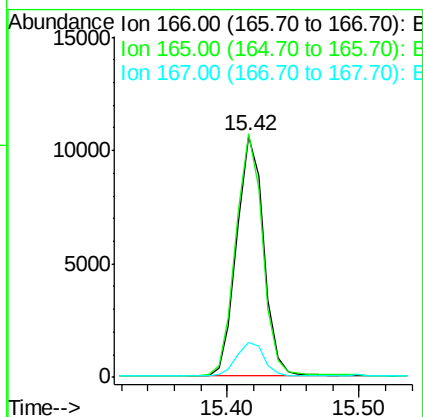
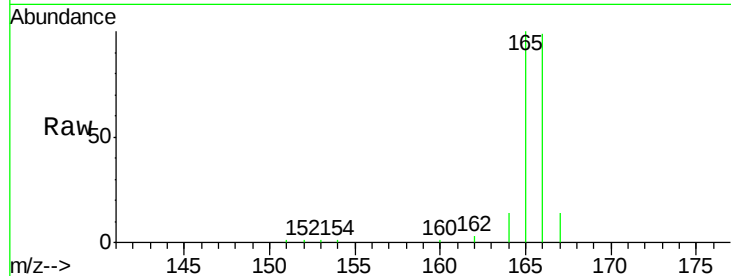




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093144.D
 Acq: 13 Jun 2017 23:22

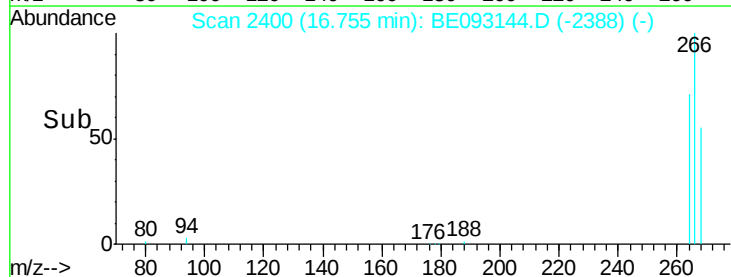
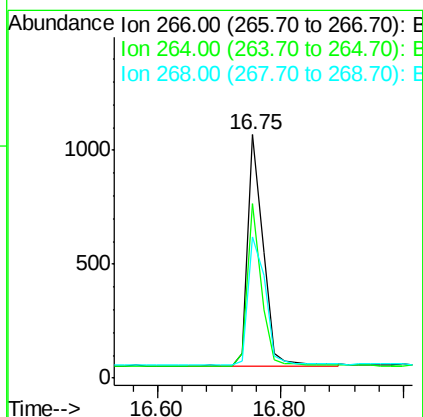
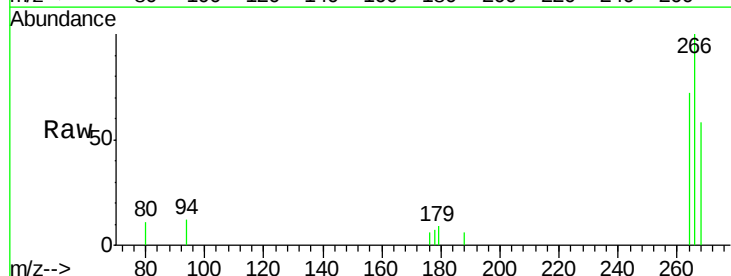
Instrument :
 BNA_E
 ClientSampleId :
 SST0.402

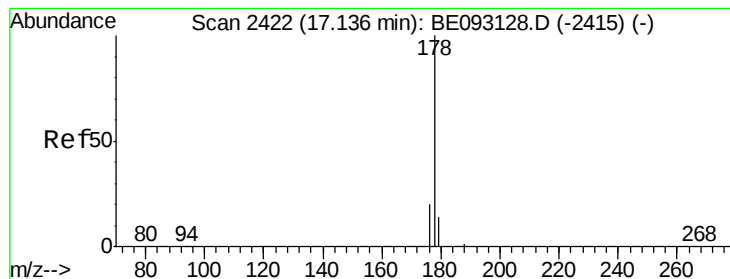
Tgt Ion:166 Resp: 15090
 Ion Ratio Lower Upper
 166 100
 165 100.9 73.4 110.2
 167 14.3 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093144.D
 Acq: 13 Jun 2017 23:22

Tgt Ion:266 Resp: 1779
 Ion Ratio Lower Upper
 266 100
 264 64.3 47.9 71.9
 268 62.7 49.8 74.8





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

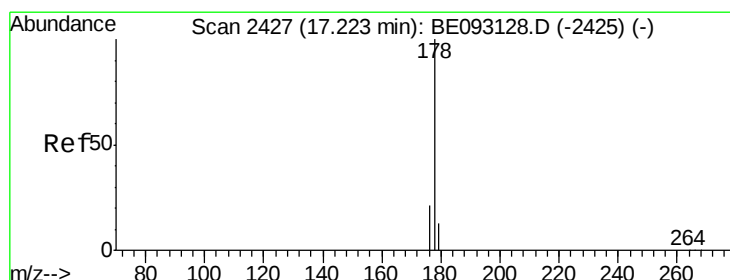
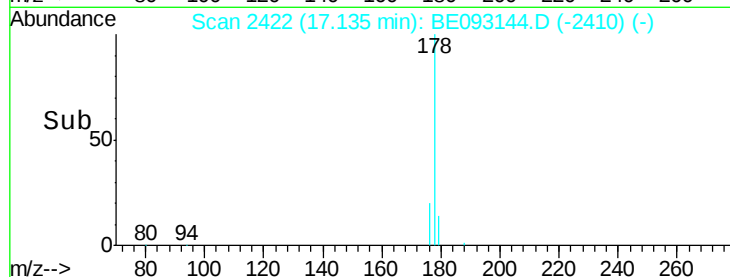
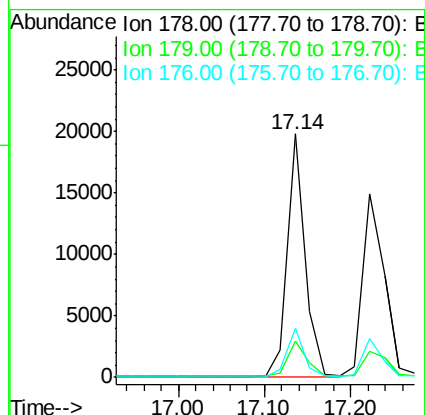
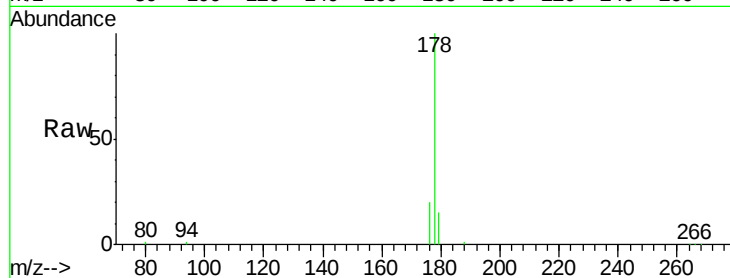
Tgt Ion:178 Resp: 28455

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 20.0 13.6 20.4



#13

Anthracene

Concen: 0.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

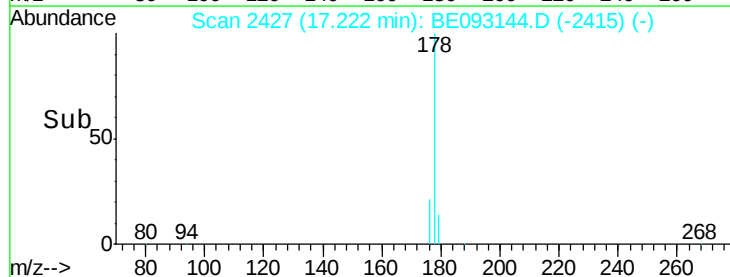
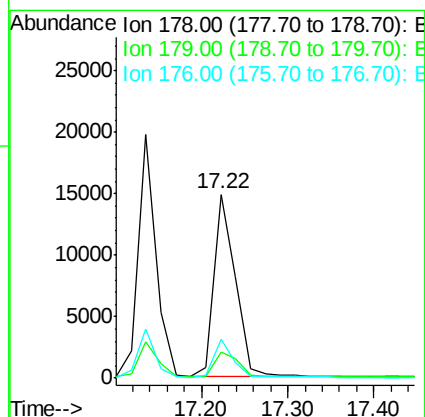
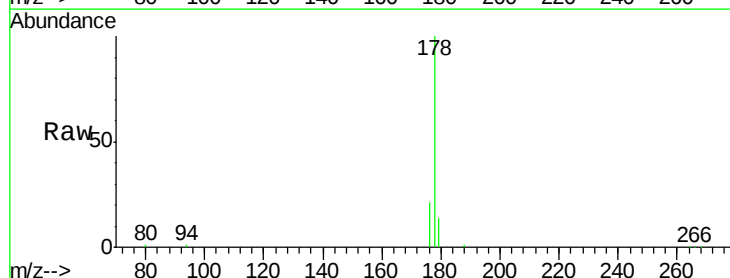
Tgt Ion:178 Resp: 25795

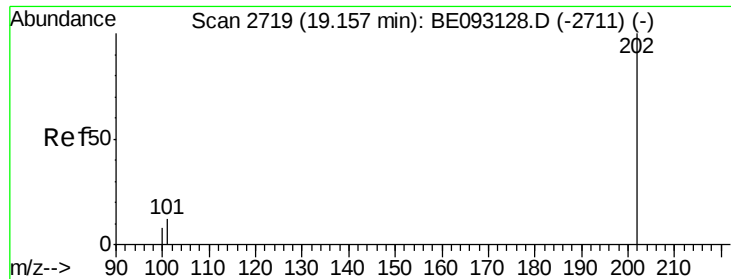
Ion Ratio Lower Upper

178 100

179 14.1 18.1 27.1#

176 21.0 14.7 22.1

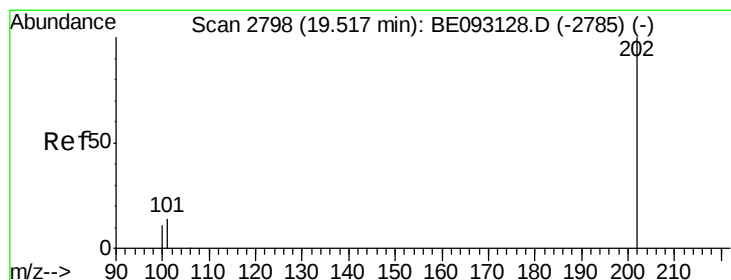
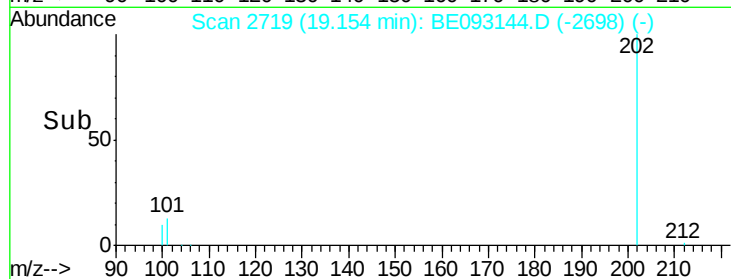
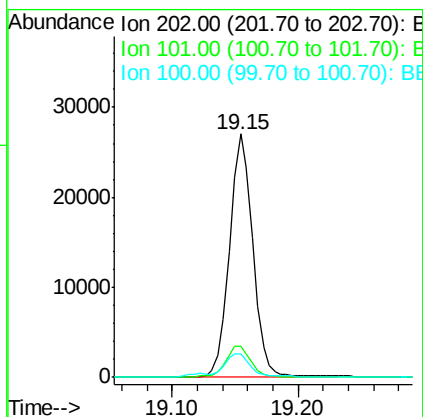
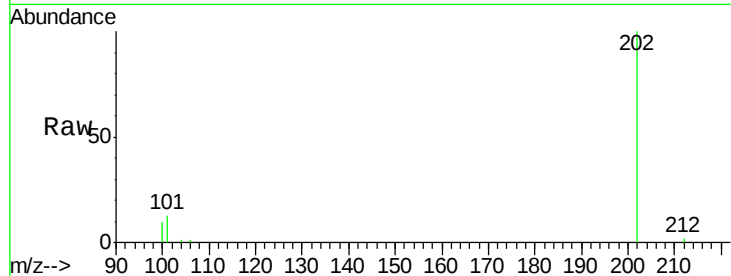




#15
Fluoranthene
Concen: 0.41 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093144.D
Acq: 13 Jun 2017 23:22

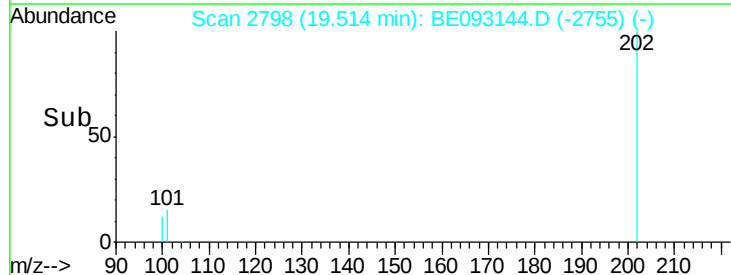
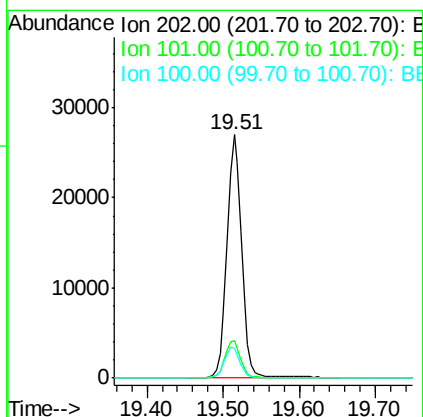
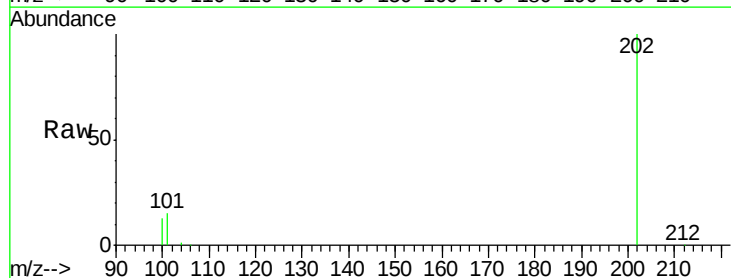
Instrument :
BNA_E
ClientSampleId :
SSTD0.402

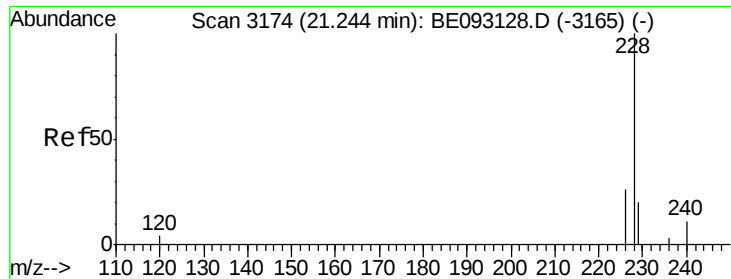
Tgt Ion:202 Resp: 34260
Ion Ratio Lower Upper
202 100
101 13.0 0.0 30.3
100 9.7 0.0 39.5



#17
Pyrene
Concen: 0.42 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093144.D
Acq: 13 Jun 2017 23:22

Tgt Ion:202 Resp: 35963
Ion Ratio Lower Upper
202 100
101 15.2 18.2 27.4#
100 12.5 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

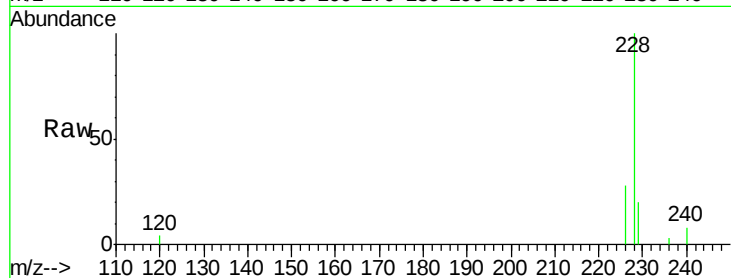
Tgt Ion:228 Resp: 34018

Ion Ratio Lower Upper

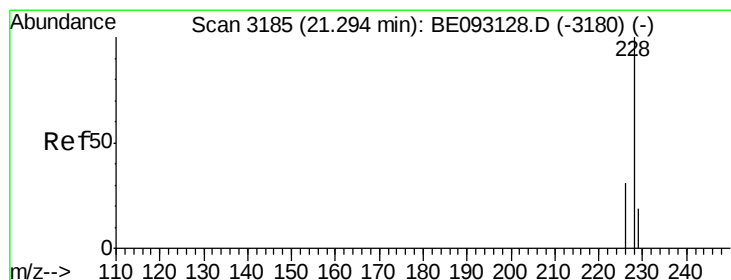
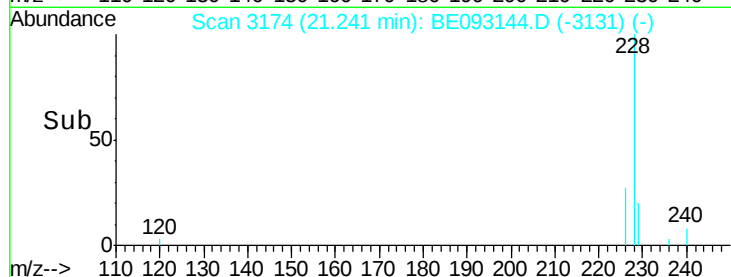
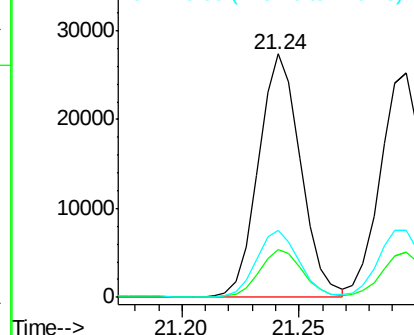
228 100

229 19.8 22.8 34.2#

226 27.6 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: 0.41 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

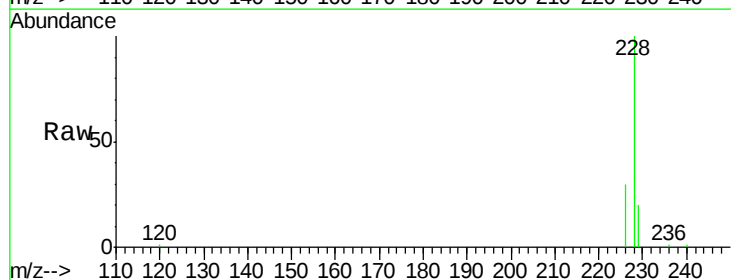
Tgt Ion:228 Resp: 33414

Ion Ratio Lower Upper

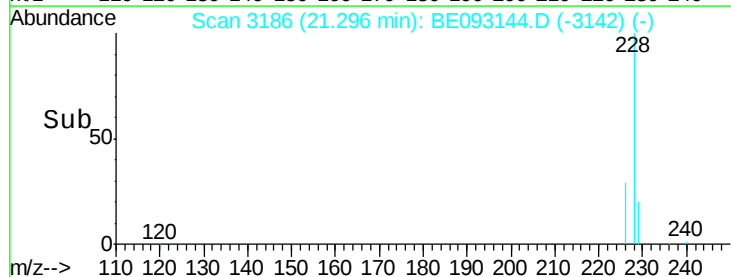
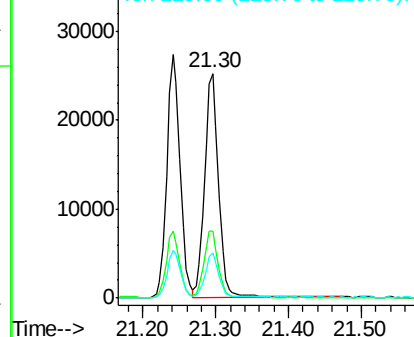
228 100

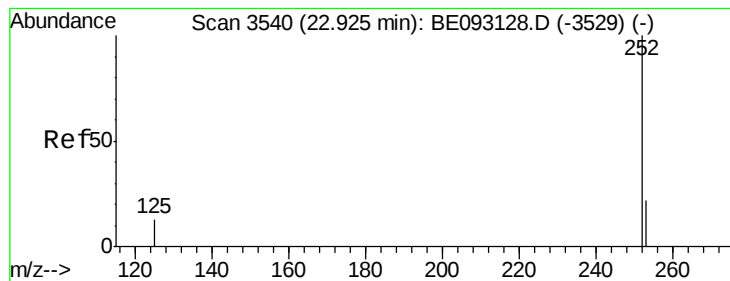
226 29.6 23.4 35.0

229 19.9 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: 0.42 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

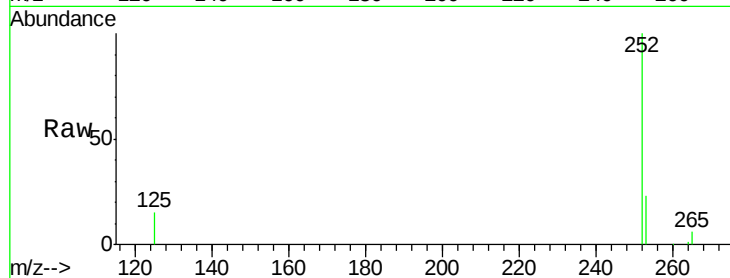
Tgt Ion:252 Resp: 30720

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

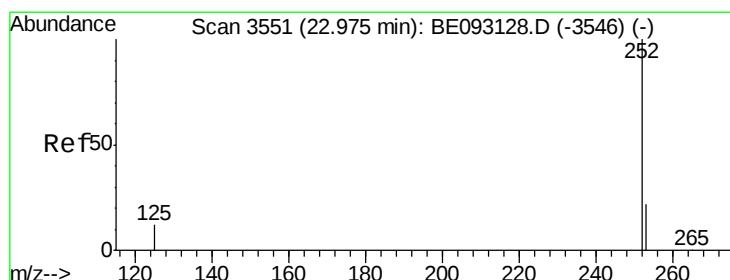
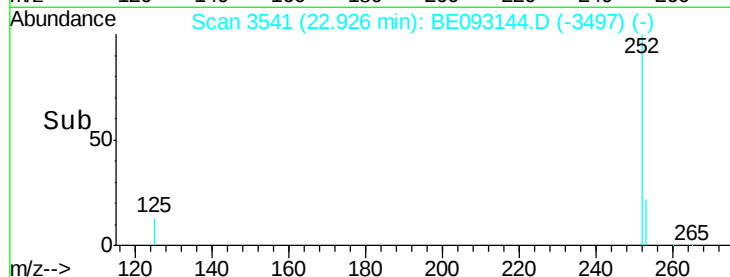
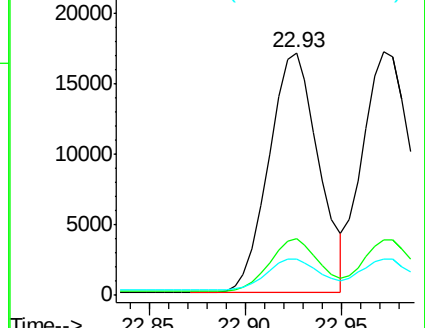
125 15.1 0.0 35.0



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: 0.40 ng/ul

RT: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

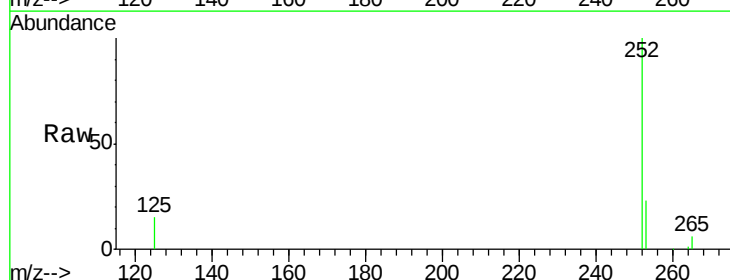
Tgt Ion:252 Resp: 31370

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

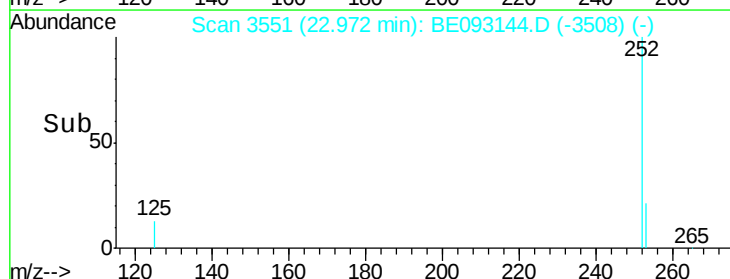
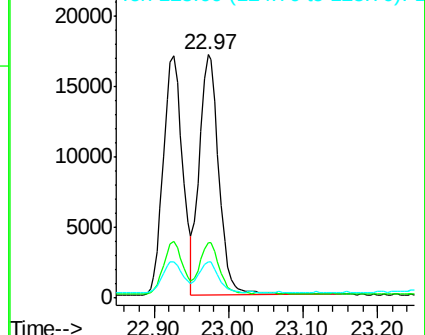
125 15.0 13.7 20.5

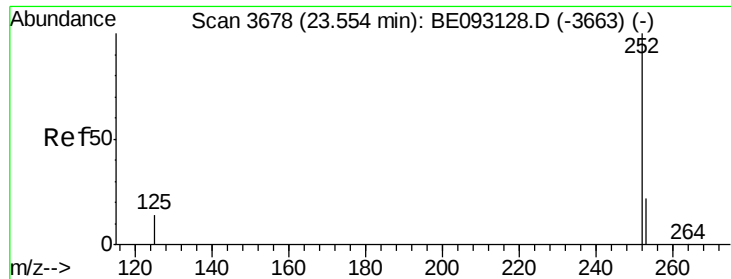


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

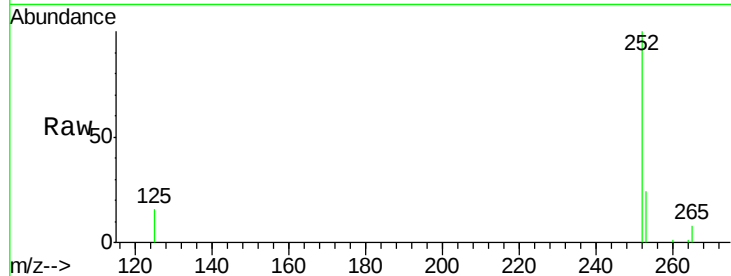
Tgt Ion:252 Resp: 29522

Ion Ratio Lower Upper

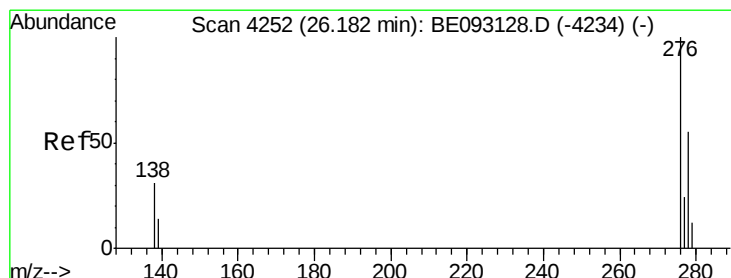
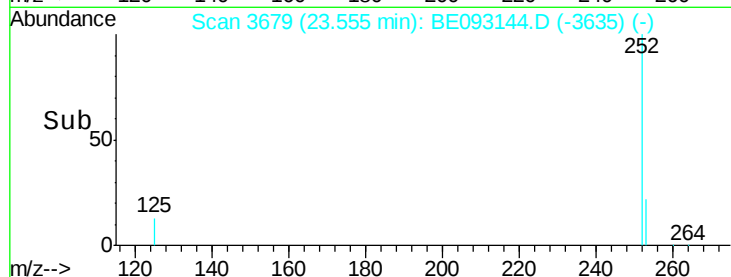
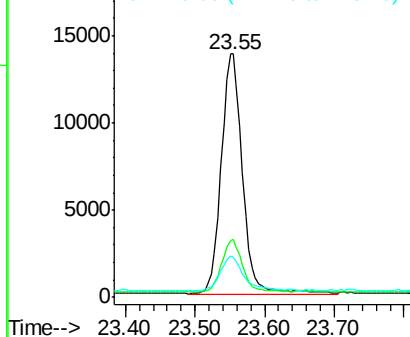
252 100

253 23.8 28.5 42.7#

125 16.4 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.01 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

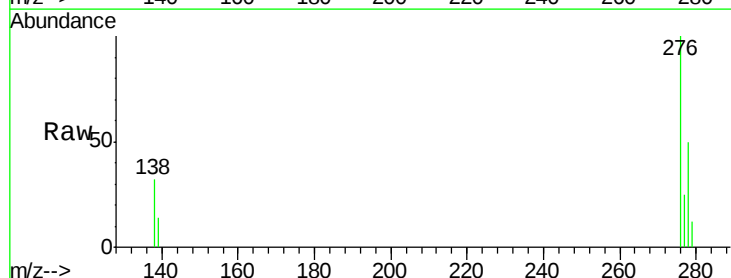
Tgt Ion:276 Resp: 32944

Ion Ratio Lower Upper

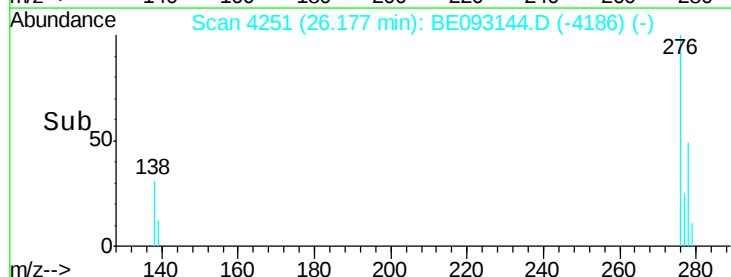
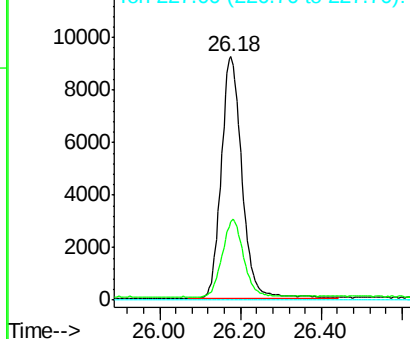
276 100

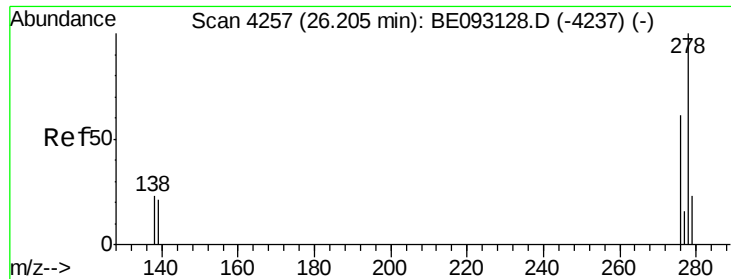
138 32.9 28.0 42.0

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: 0.40 ng/ul

RT: 26.20 min Scan# 4256

Delta R.T. -0.01 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.402

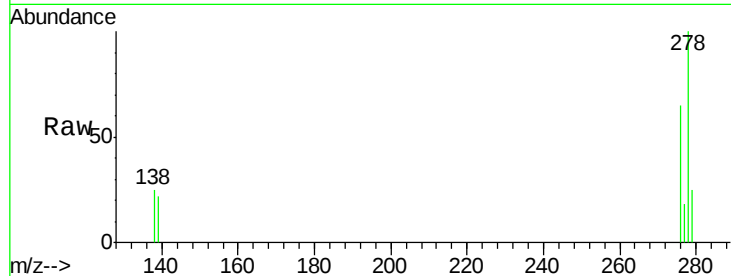
Tgt Ion:278 Resp: 27300

Ion Ratio Lower Upper

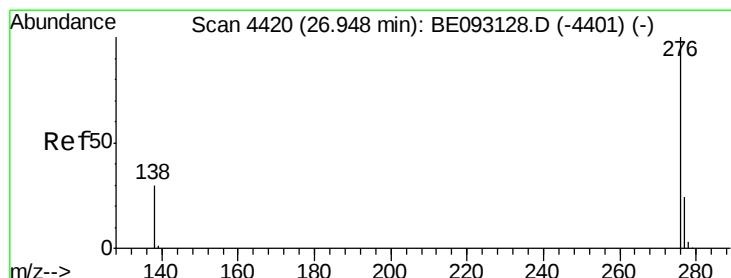
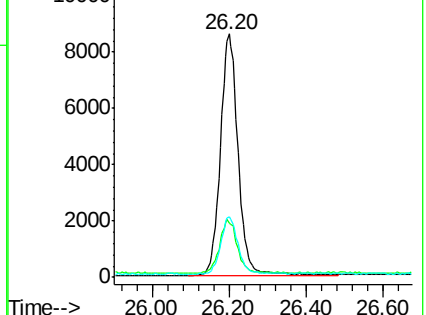
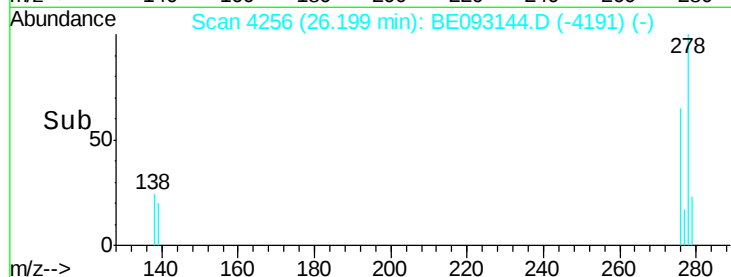
278 100

139 22.2 17.4 26.0

279 24.7 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: 0.40 ng/ul

RT: 26.95 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093144.D

Acq: 13 Jun 2017 23:22

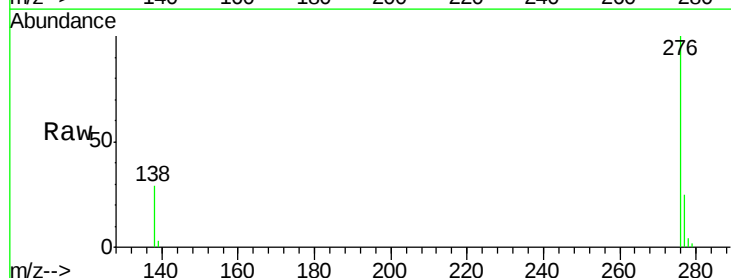
Tgt Ion:276 Resp: 27617

Ion Ratio Lower Upper

276 100

138 28.9 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

