

Data File : BE093340.D
Acq On : 23 Jun 2017 16:56
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.422

Quant Time: Jun 24 03:59:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 03:58:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1811	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9653	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5637	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14052	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14824	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12351	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5938	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	15217	0.40	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.57	128	9477	0.40	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	6878	0.42	ng/ul	98
7) Acenaphthylene	14.09	152	10100	0.42	ng/ul	97
8) Acenaphthene	14.43	153	7817	0.40	ng/ul	98
9) Fluorene	15.42	166	8903	0.39	ng/ul	94
11) Pentachlorophenol	16.75	266	932	0.45	ng/ul	97
12) Phenanthrene	17.14	178	15587	0.40	ng/ul#	90
13) Anthracene	17.22	178	15022	0.45	ng/ul#	90
15) Fluoranthene	19.15	202	18255	0.39	ng/ul	84
17) Pyrene	19.51	202	19609	0.45	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	17249	0.44	ng/ul#	85
19) Chrysene	21.29	228	16037	0.39	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	15472	0.41	ng/ul	89
22) Benzo(k)fluoranthene	22.97	252	15390	0.39	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	14719	0.42	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.18	276	16727	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.20	278	13879	0.40	ng/ul#	87
26) Benzo(g,h,i)perylene	26.96	276	13457	0.38	ng/ul	96

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

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Sample : SSTDCCC0.4

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

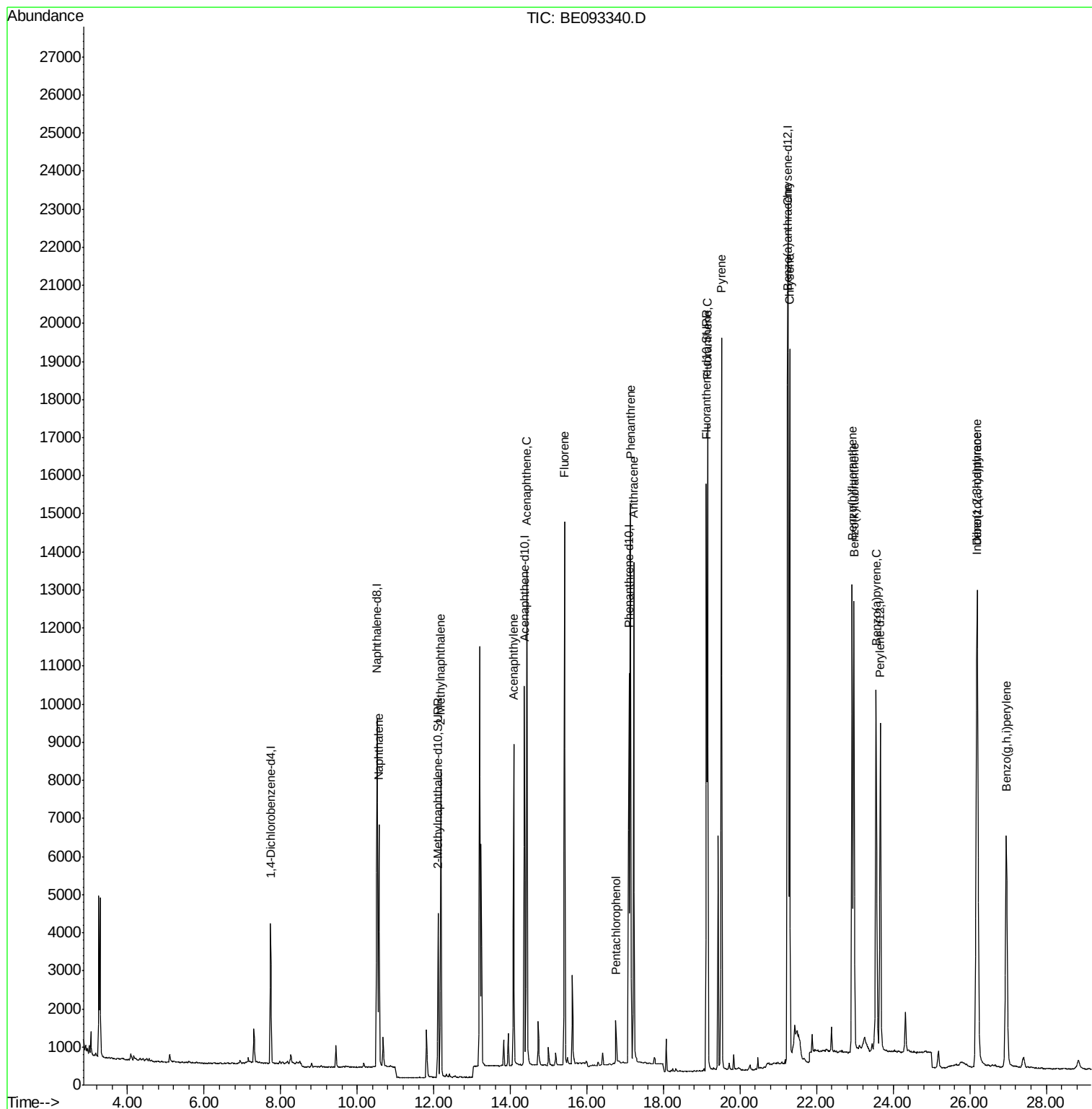
Quant Time: Jun 24 03:59:16 2017

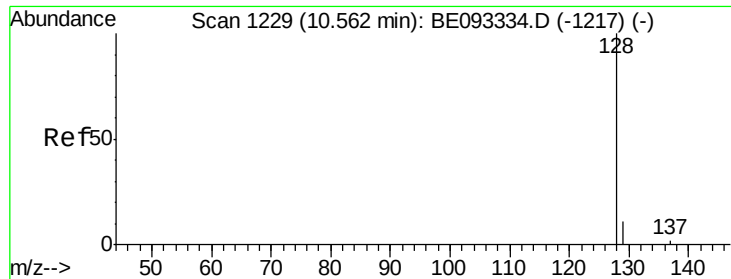
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 24 03:58:33 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

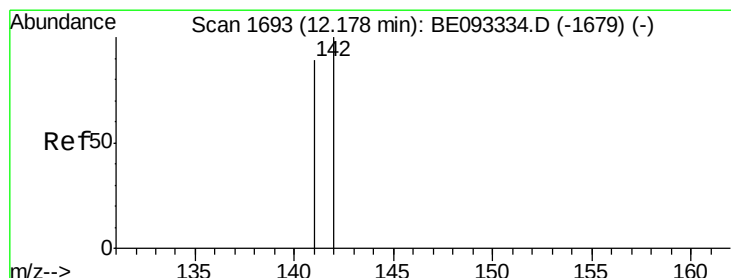
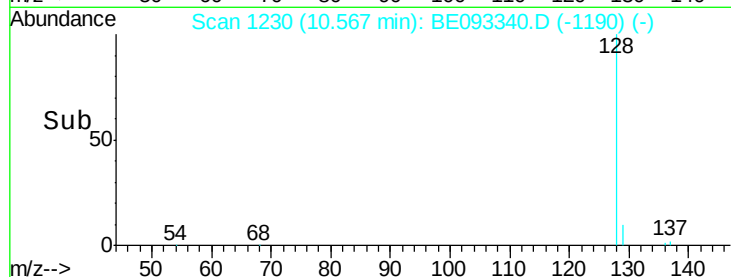
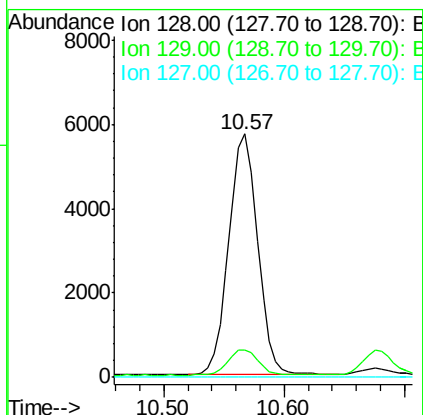
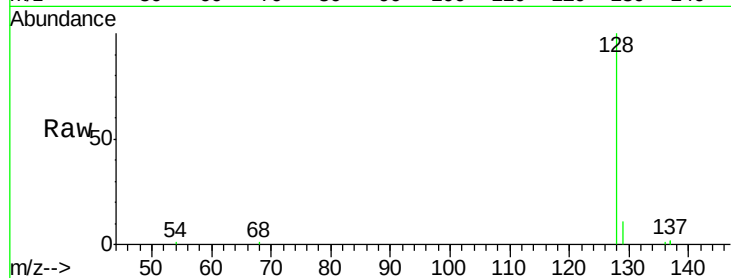
Tgt Ion:128 Resp: 9477

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093340.D

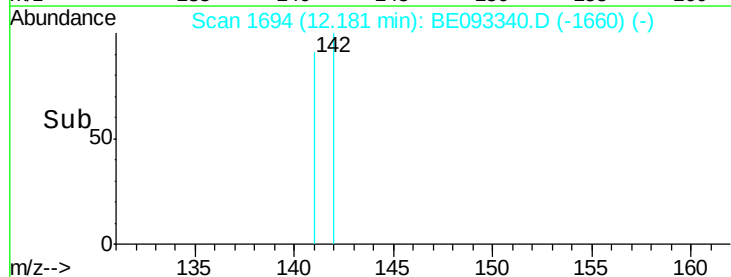
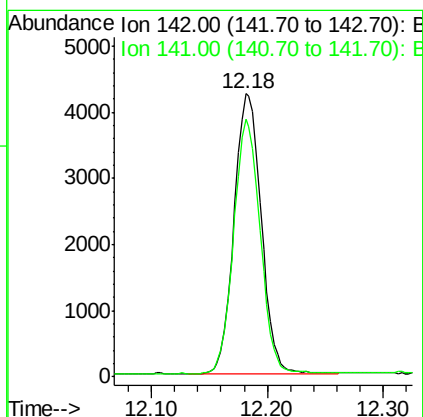
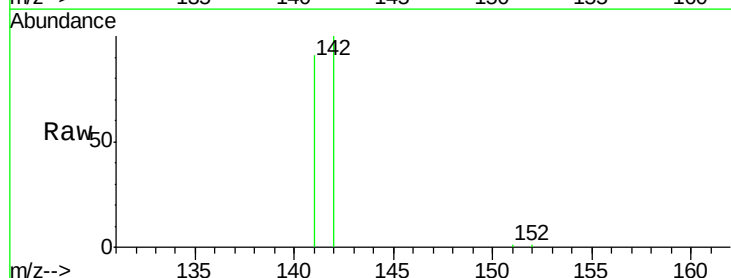
Acq: 23 Jun 2017 16:56

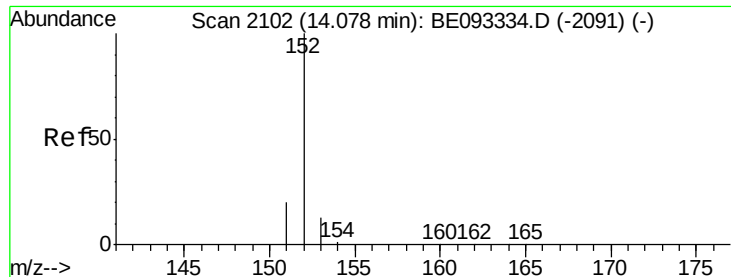
Tgt Ion:142 Resp: 6878

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

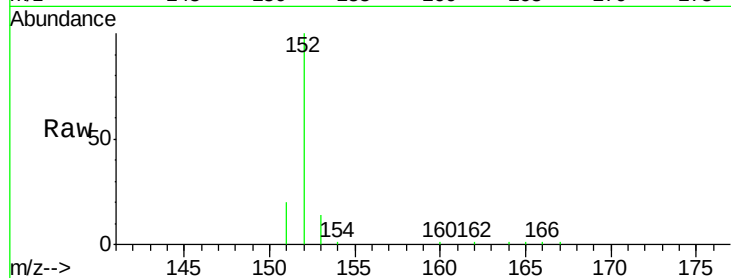
Tgt Ion:152 Resp: 10100

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

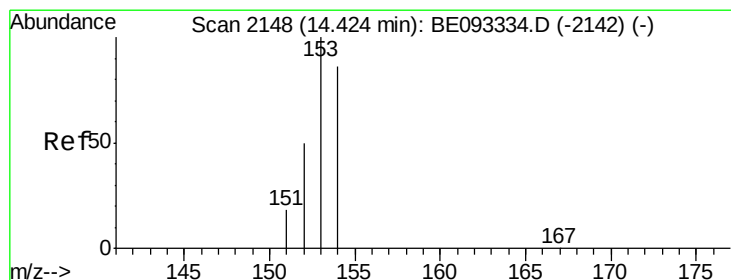
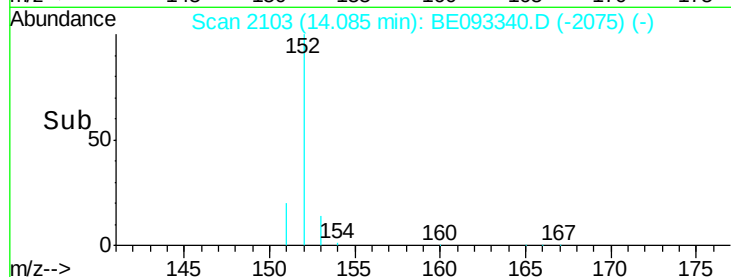
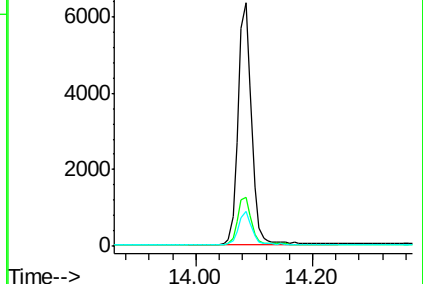
153 14.2 12.8 19.2



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: 0.40 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

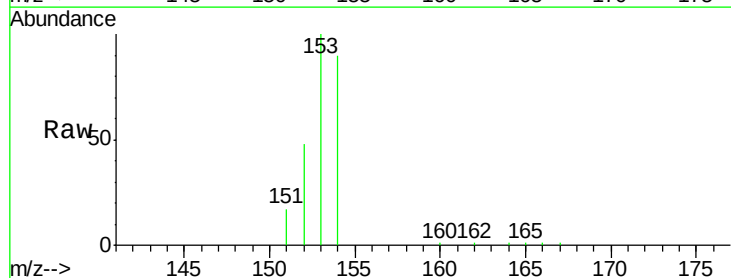
Tgt Ion:153 Resp: 7817

Ion Ratio Lower Upper

153 100

152 47.6 40.3 60.5

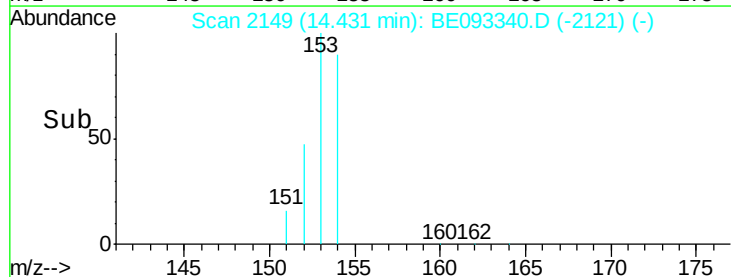
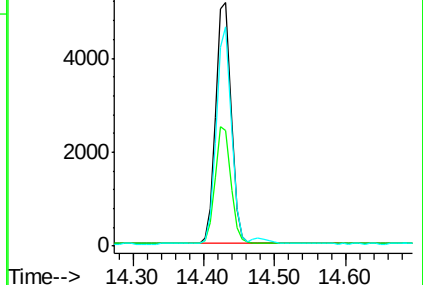
154 90.0 71.4 107.2

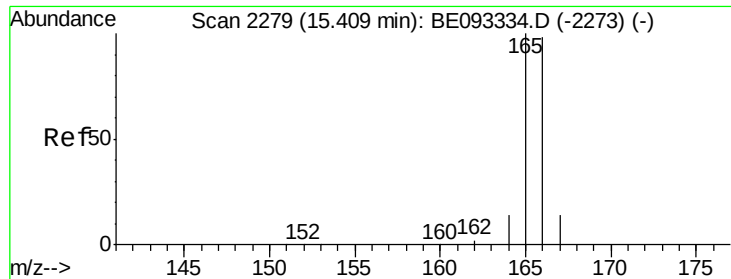


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

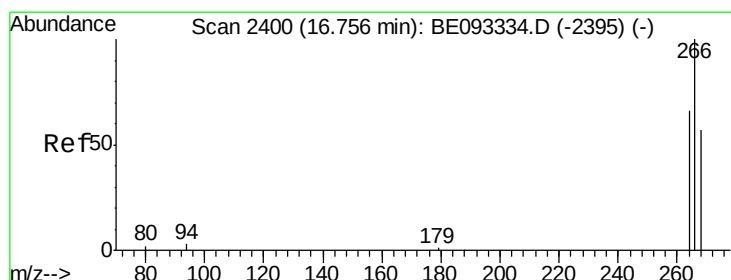
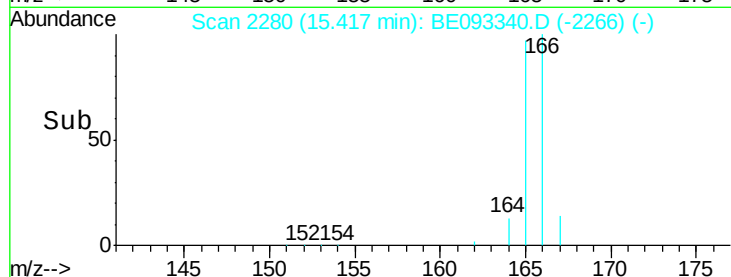
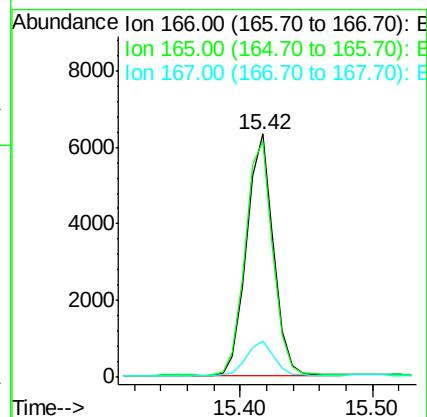
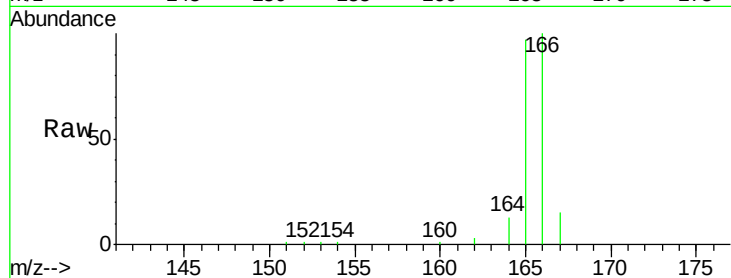
Tgt Ion:166 Resp: 8903

Ion Ratio Lower Upper

166 100

165 97.0 73.4 110.2

167 15.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.45 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

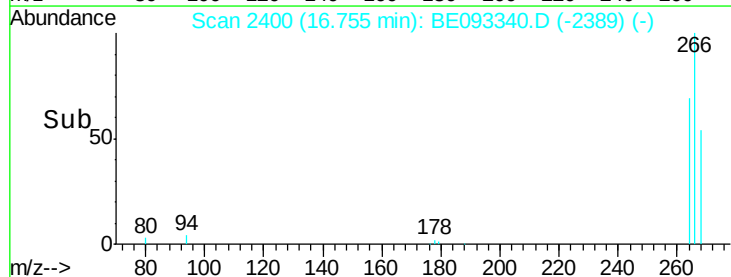
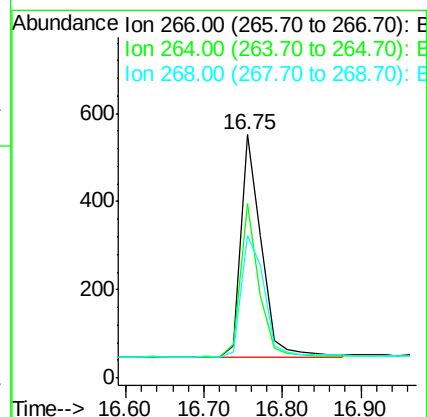
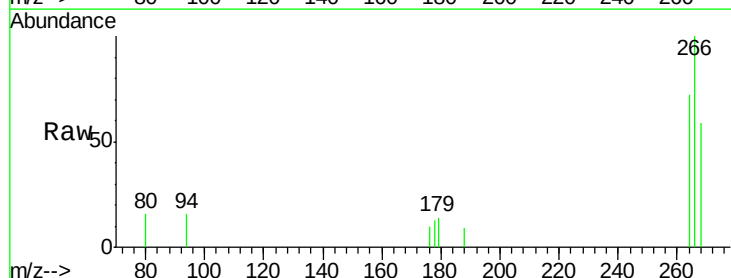
Tgt Ion:266 Resp: 932

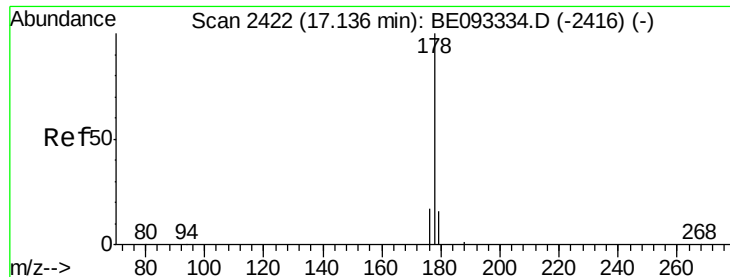
Ion Ratio Lower Upper

266 100

264 64.1 47.9 71.9

268 63.3 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

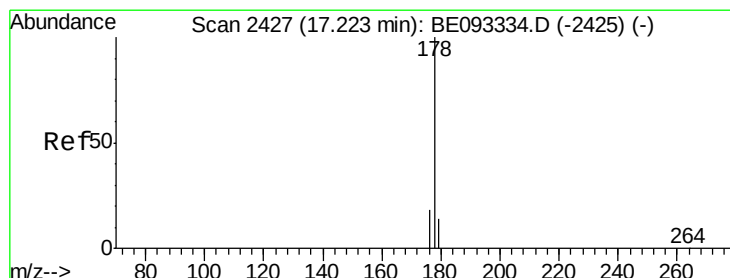
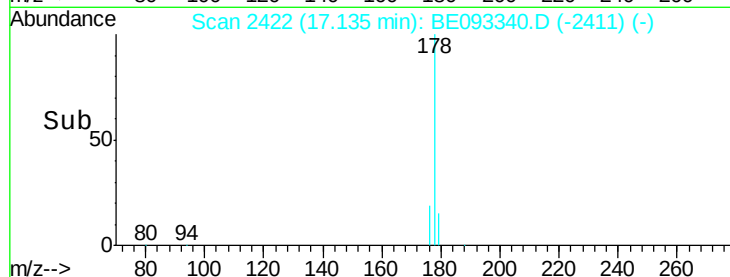
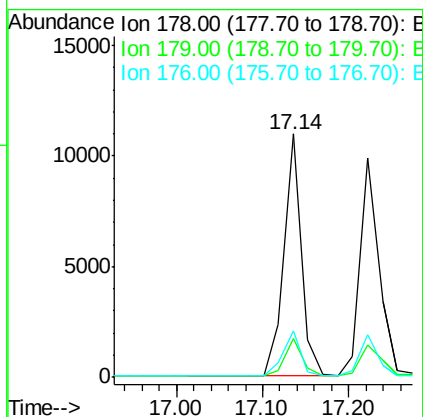
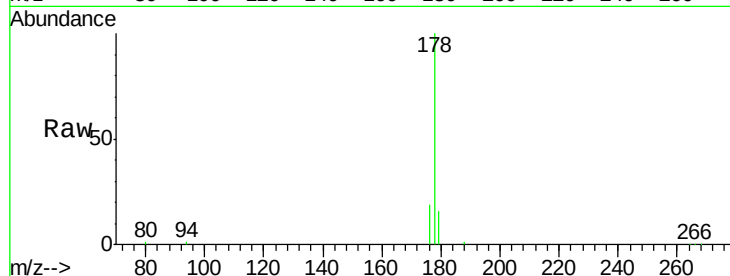
Tgt Ion:178 Resp: 15587

Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 18.9 13.6 20.4



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

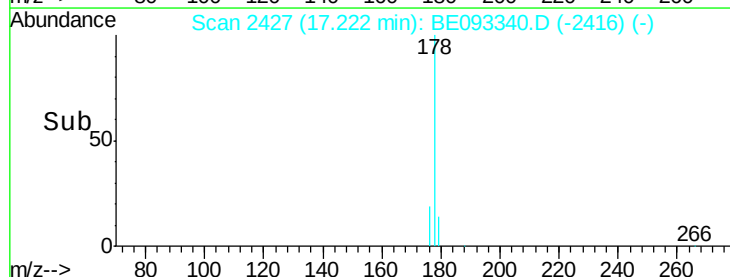
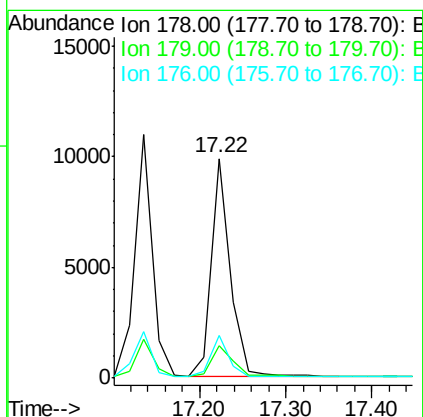
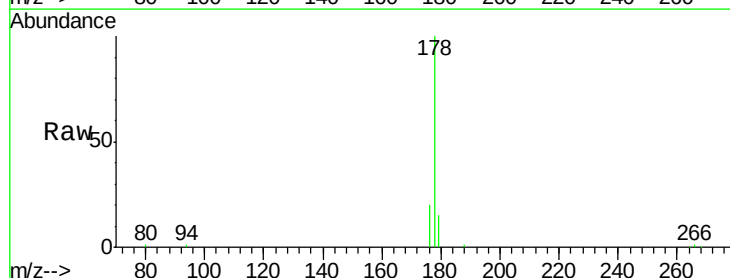
Tgt Ion:178 Resp: 15022

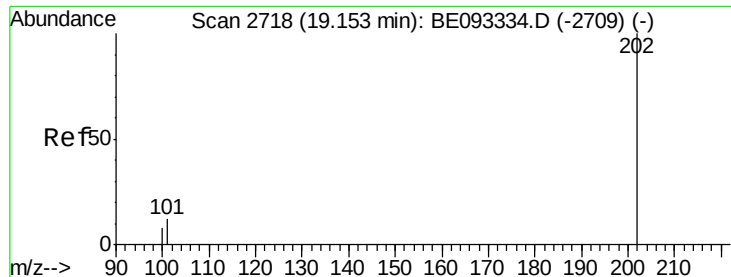
Ion Ratio Lower Upper

178 100

179 15.0 18.1 27.1#

176 19.6 14.7 22.1





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

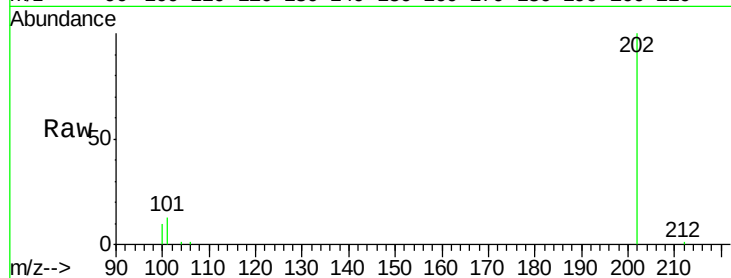
Tgt Ion:202 Resp: 18255

Ion Ratio Lower Upper

202 100

101 13.1 0.0 30.3

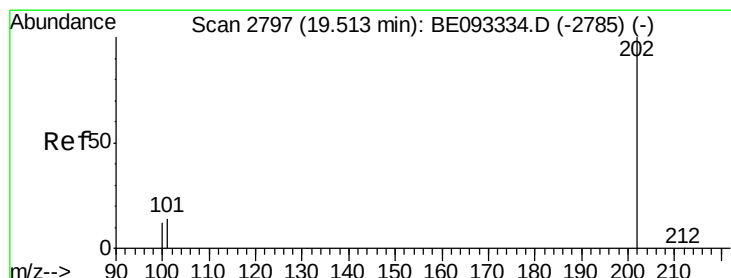
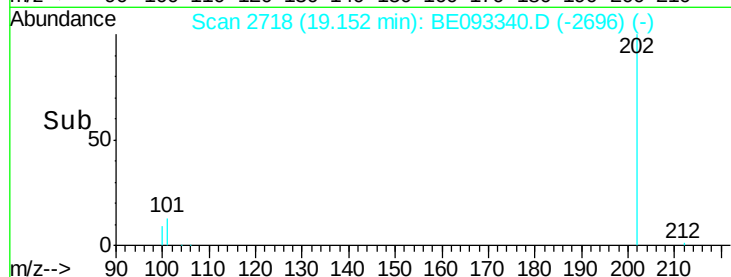
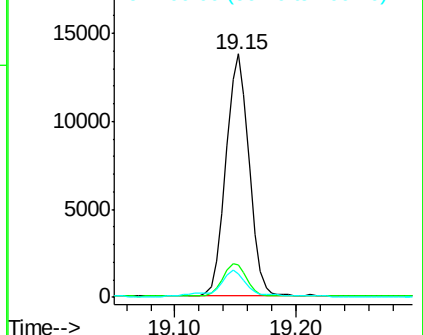
100 9.9 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 0.45 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

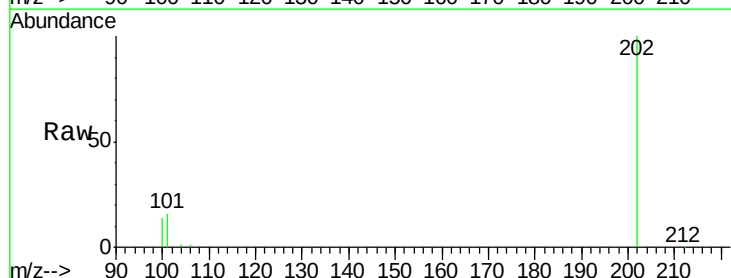
Tgt Ion:202 Resp: 19609

Ion Ratio Lower Upper

202 100

101 16.0 18.2 27.4#

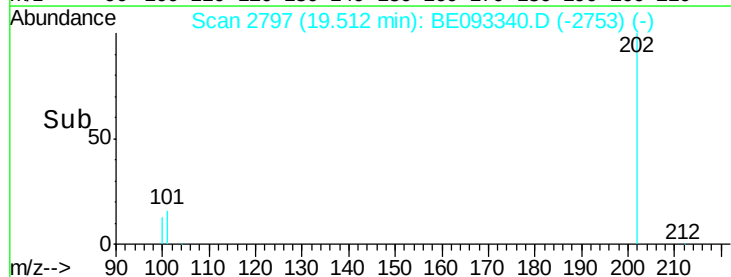
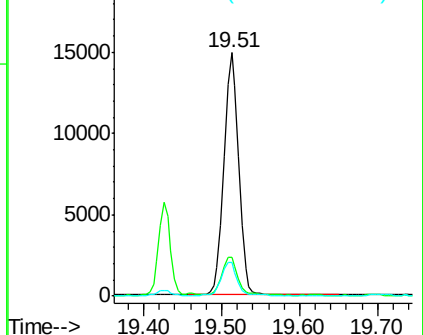
100 13.6 15.6 23.4#

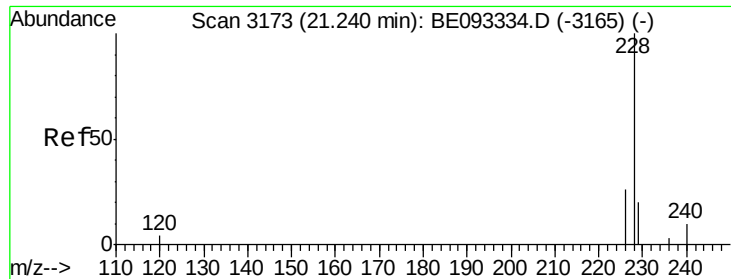


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

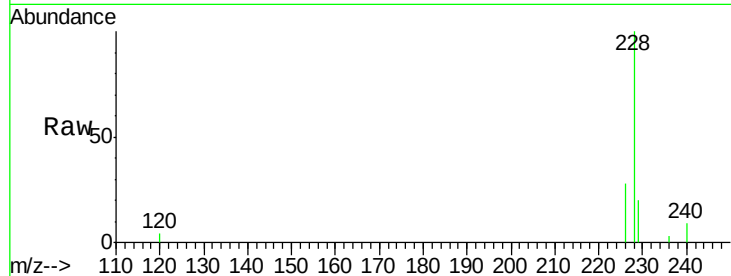
Tgt Ion:228 Resp: 17249

Ion Ratio Lower Upper

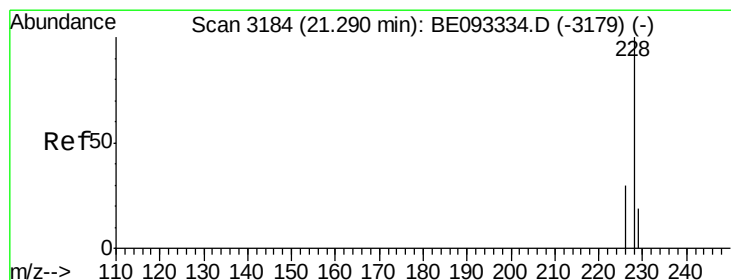
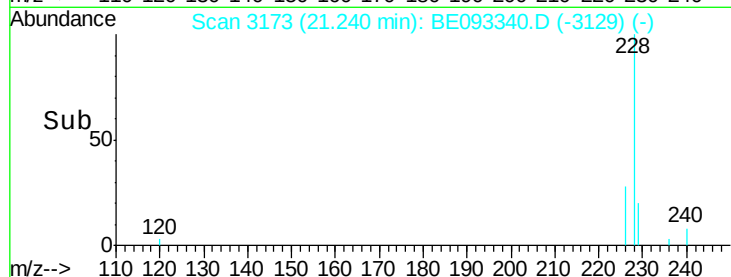
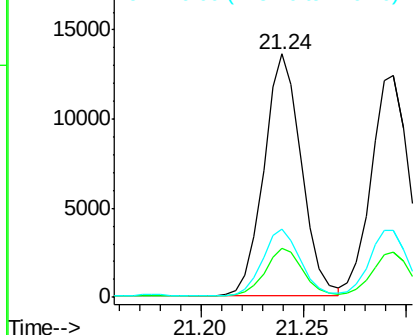
228 100

229 20.1 22.8 34.2#

226 28.3 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: 0.39 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

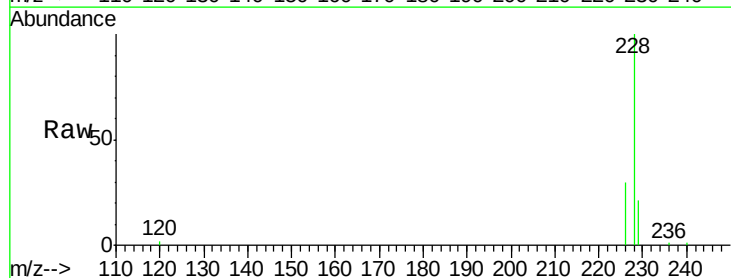
Tgt Ion:228 Resp: 16037

Ion Ratio Lower Upper

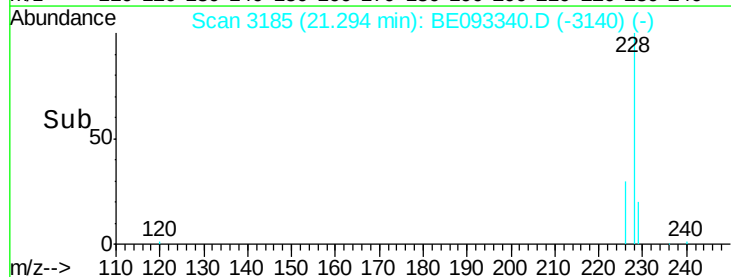
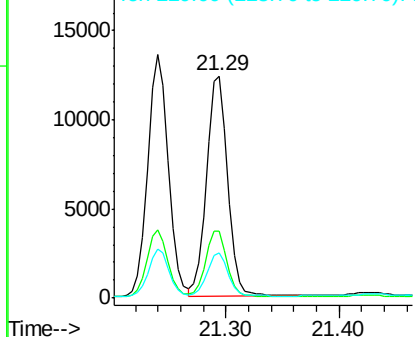
228 100

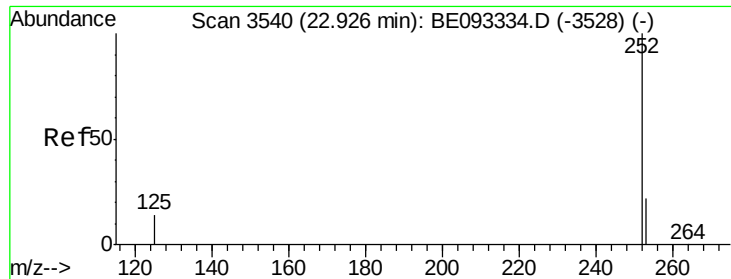
226 30.4 23.4 35.0

229 20.6 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: 0.41 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

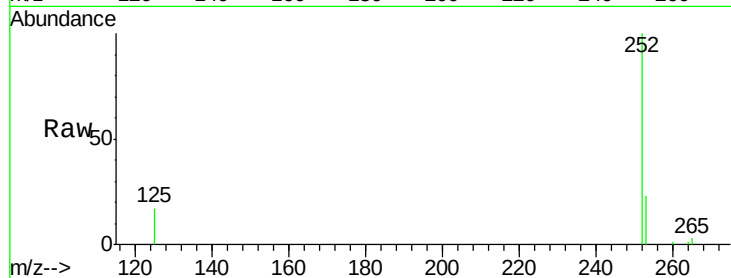
Tgt Ion:252 Resp: 15472

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

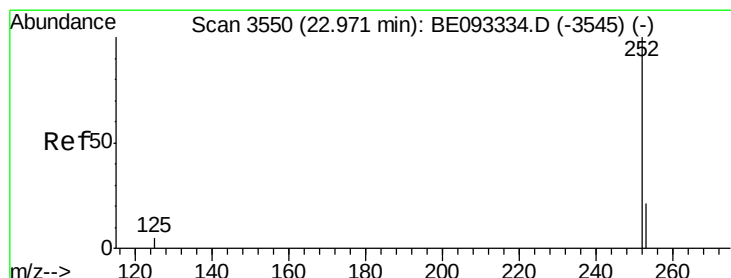
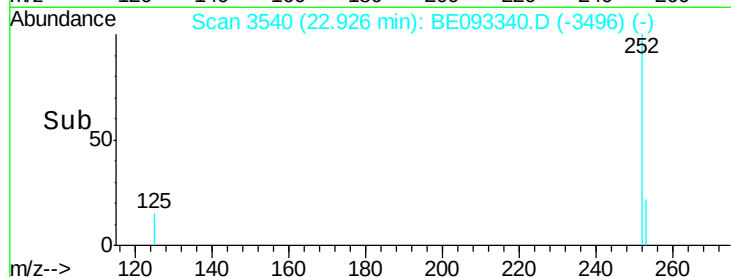
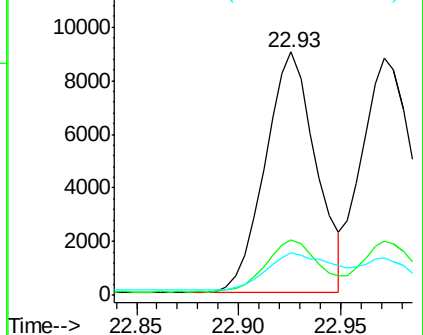
125 17.3 0.0 35.0



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: 0.39 ng/ul

RT: 22.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

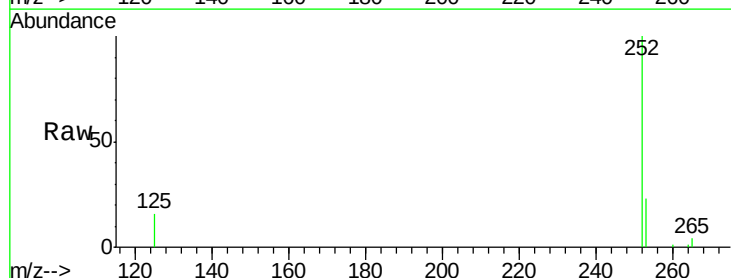
Tgt Ion:252 Resp: 15390

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

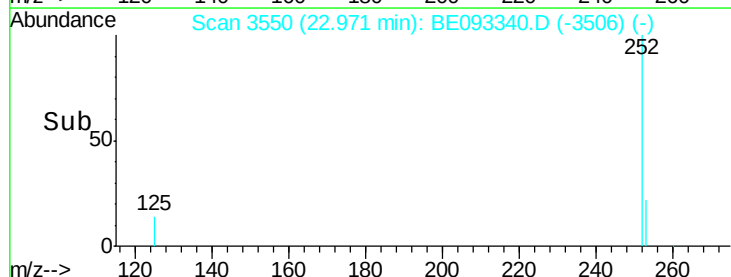
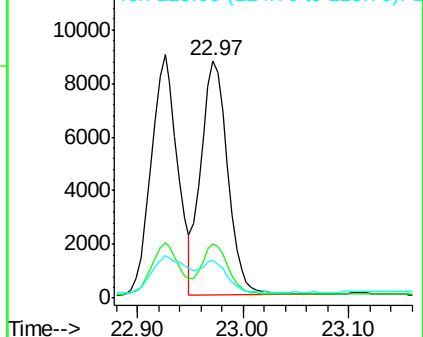
125 15.7 13.7 20.5

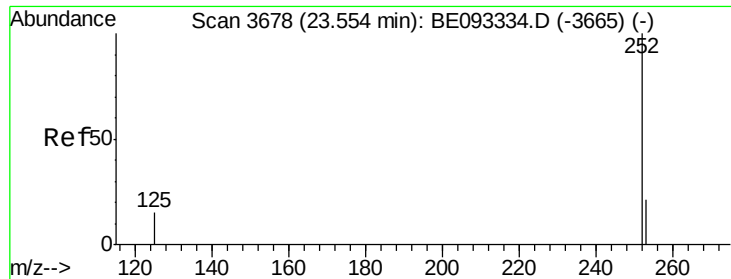


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3677

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

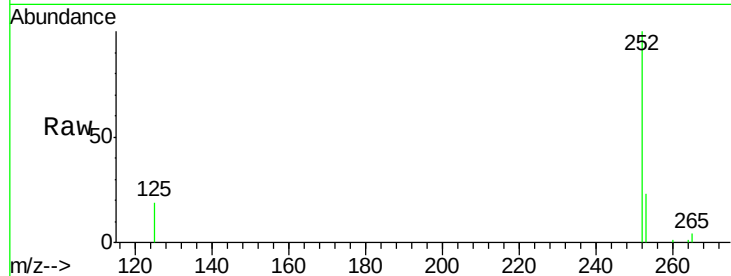
Tgt Ion:252 Resp: 14719

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

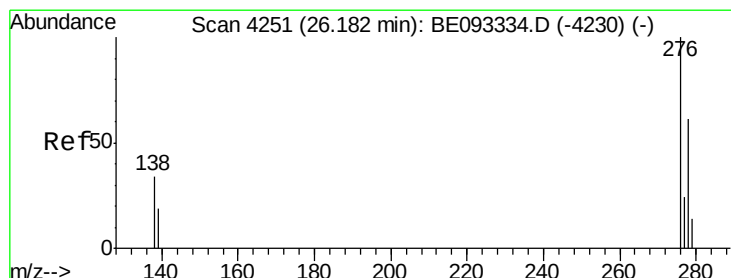
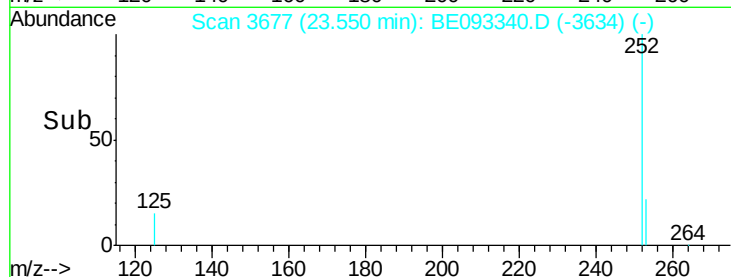
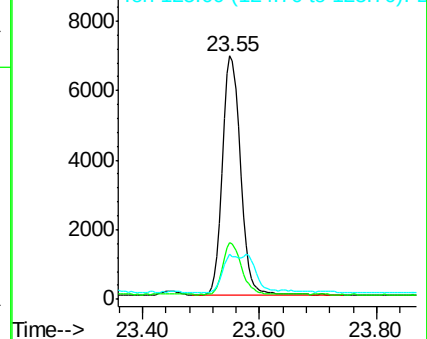
125 18.7 18.1 27.1



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: 0.41 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

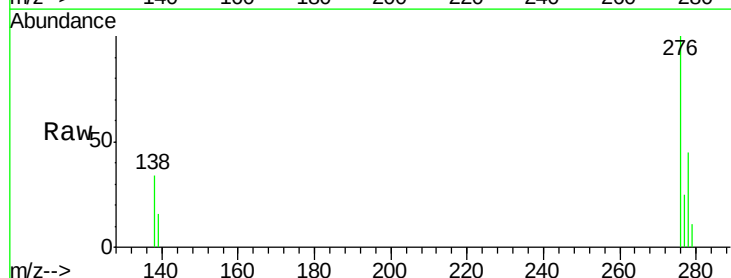
Tgt Ion:276 Resp: 16727

Ion Ratio Lower Upper

276 100

138 34.4 28.0 42.0

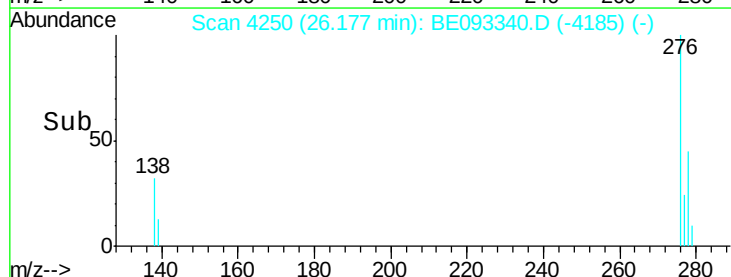
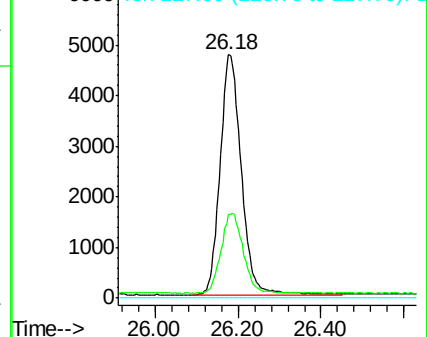
227 0.0 8.0 12.0#

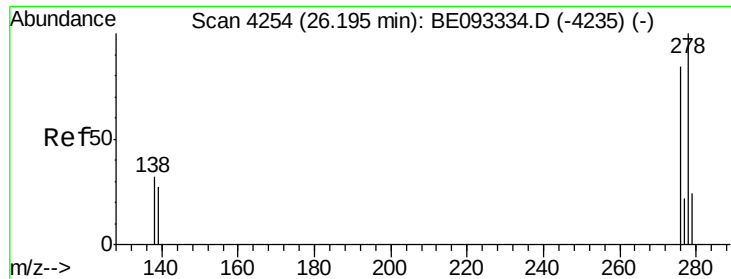


Abundance Ion 276.00 (275.70 to 276.70): E

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# 4255

Delta R.T. 0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

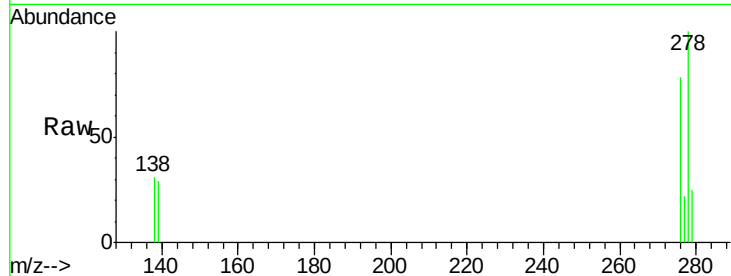
Tgt Ion:278 Resp: 13879

Ion Ratio Lower Upper

278 100

139 28.5 17.4 26.0#

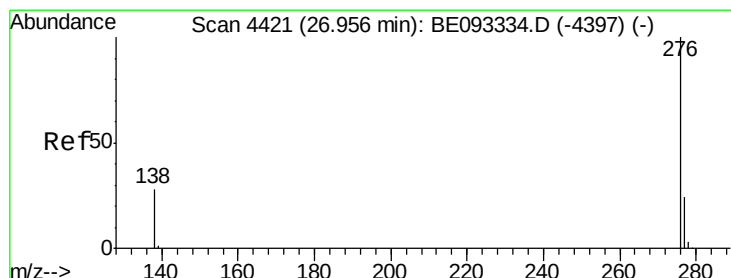
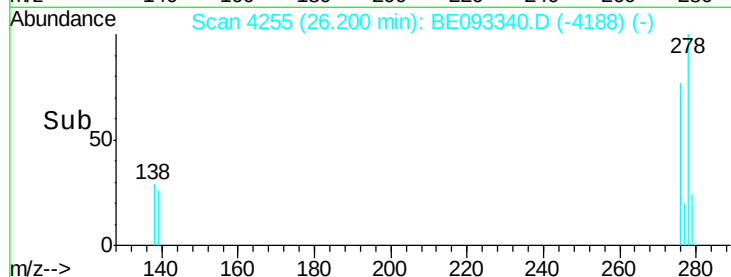
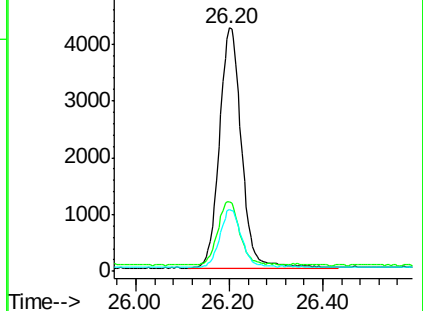
279 25.4 25.9 38.9#



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: 0.38 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093340.D

Acq: 23 Jun 2017 16:56

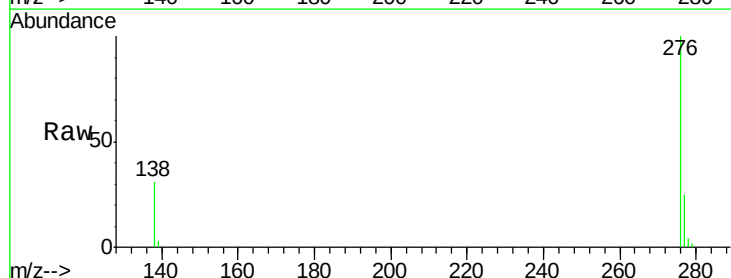
Tgt Ion:276 Resp: 13457

Ion Ratio Lower Upper

276 100

138 30.5 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

