

Data File : BE093290.D
Acq On : 20 Jun 2017 20:25
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.417

Quant Time: Jun 21 01:51:43 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 21 01:49:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1808	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9344	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5412	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13883	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14131	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12078	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	6012	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	14999	0.40	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	9577	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	6850	0.43	ng/ul	99
7) Acenaphthylene	14.09	152	10066	0.43	ng/ul	96
8) Acenaphthene	14.42	153	7735	0.41	ng/ul	98
9) Fluorene	15.42	166	8839	0.40	ng/ul	95
11) Pentachlorophenol	16.75	266	901	0.44	ng/ul	96
12) Phenanthrene	17.13	178	15583	0.41	ng/ul#	89
13) Anthracene	17.22	178	14568	0.44	ng/ul#	89
15) Fluoranthene	19.15	202	18401	0.39	ng/ul	84
17) Pyrene	19.51	202	19848	0.48	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	16979	0.45	ng/ul#	85
19) Chrysene	21.30	228	16342	0.42	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	15136	0.41	ng/ul	88
22) Benzo(k)fluoranthene	22.97	252	15422	0.40	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	14595	0.42	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.18	276	16829	0.42	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.20	278	13951	0.41	ng/ul#	89
26) Benzo(g,h,i)perylene	26.96	276	13603	0.40	ng/ul	96

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

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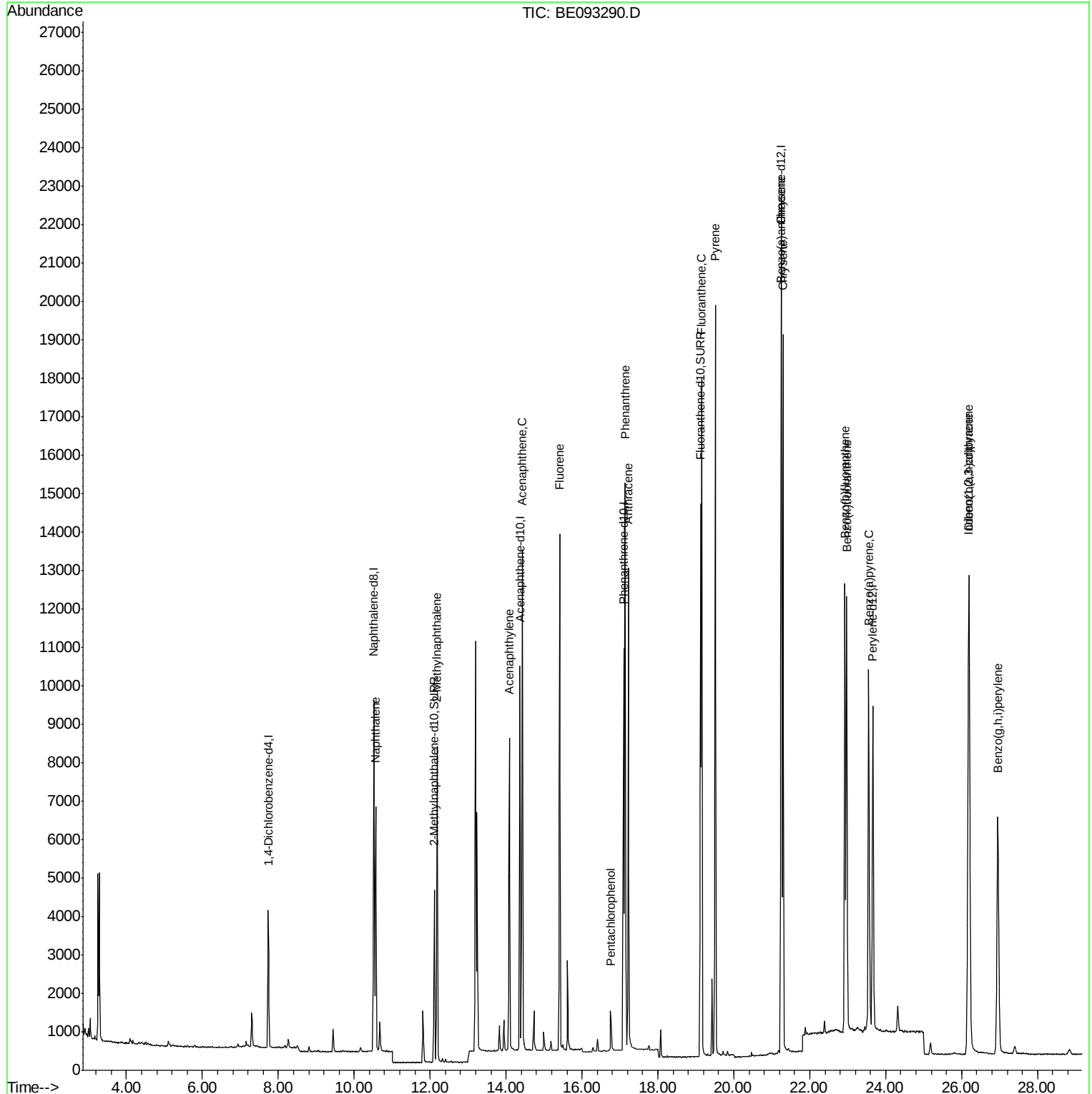
Quant Time: Jun 21 01:51:43 2017

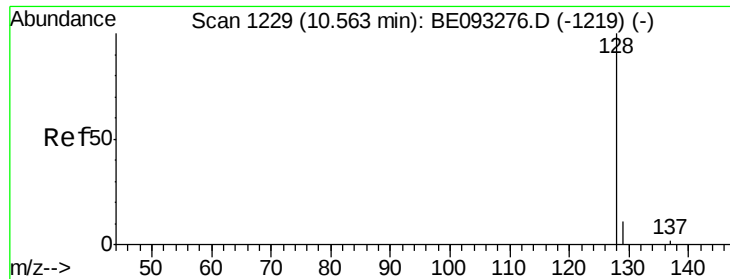
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

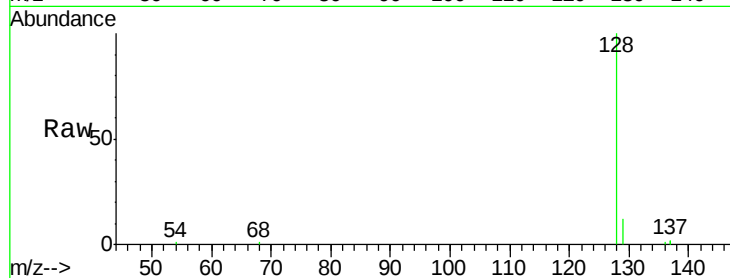
Tgt Ion:128 Resp: 9577

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

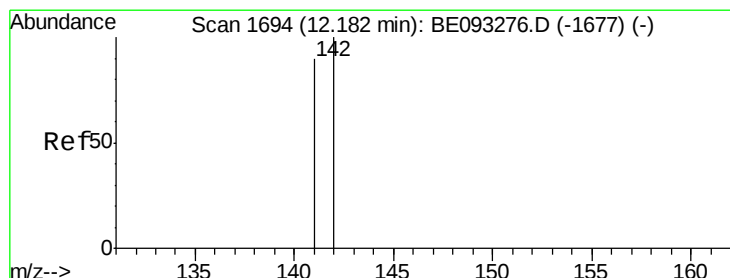
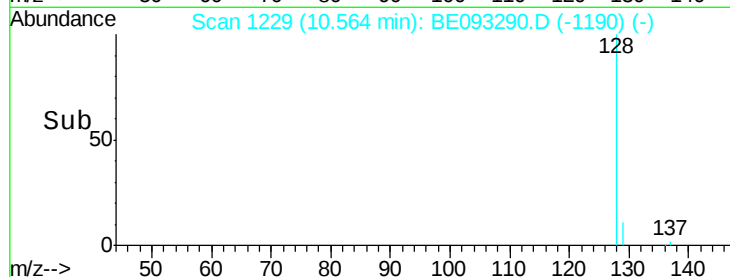
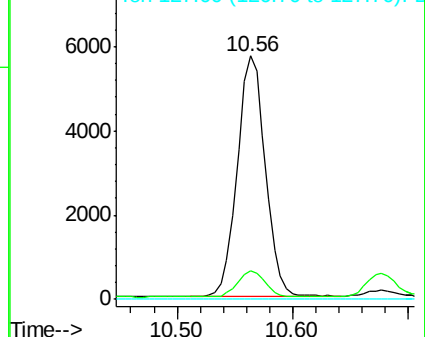
127 0.0 4.0 6.0#



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: 0.43 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093290.D

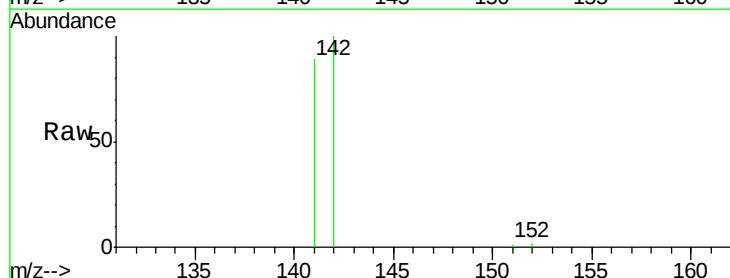
Acq: 20 Jun 2017 20:25

Tgt Ion:142 Resp: 6850

Ion Ratio Lower Upper

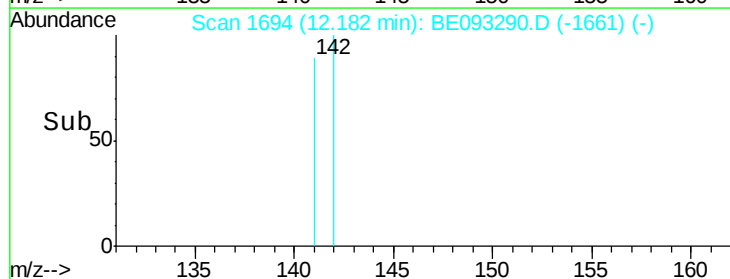
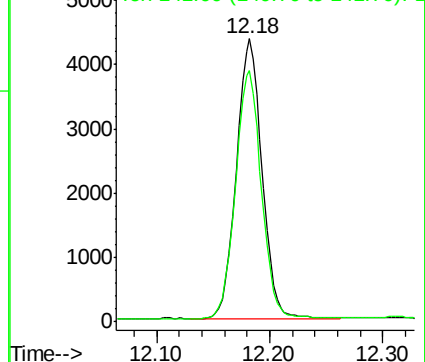
142 100

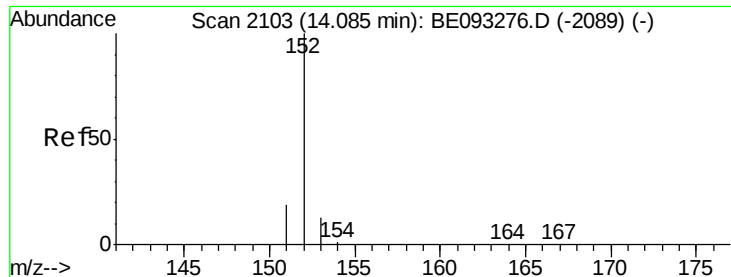
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

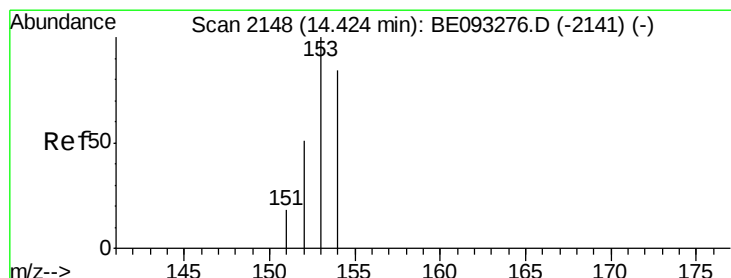
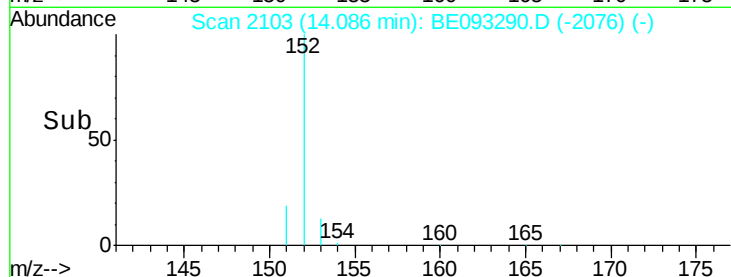
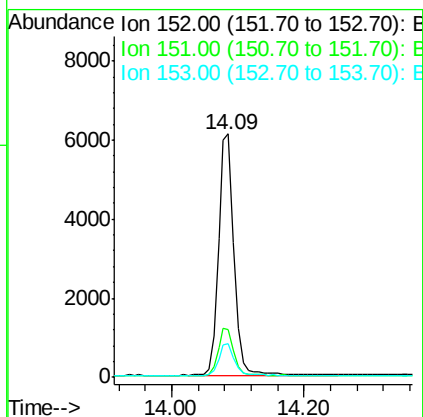
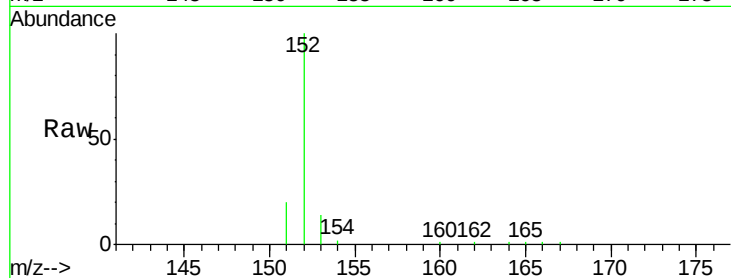
Tgt Ion:152 Resp: 10066

Ion Ratio Lower Upper

152 100

151 19.6 17.1 25.7

153 14.1 12.8 19.2



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

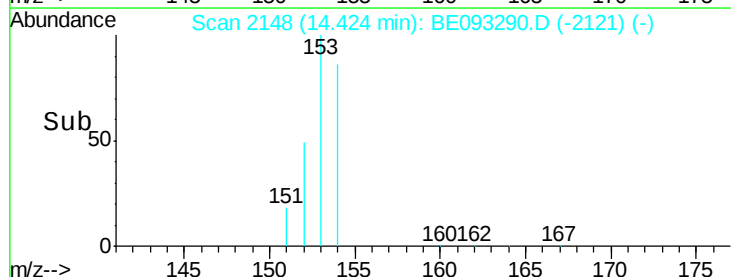
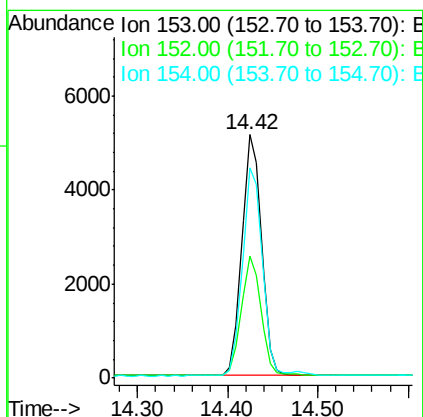
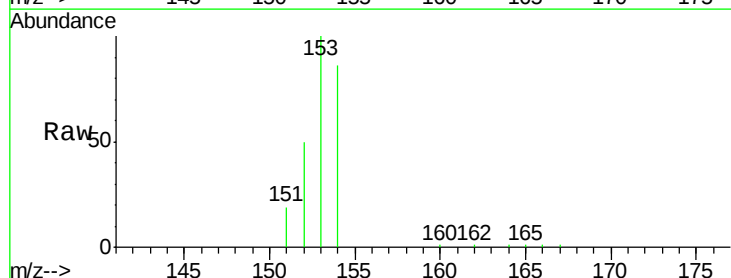
Tgt Ion:153 Resp: 7735

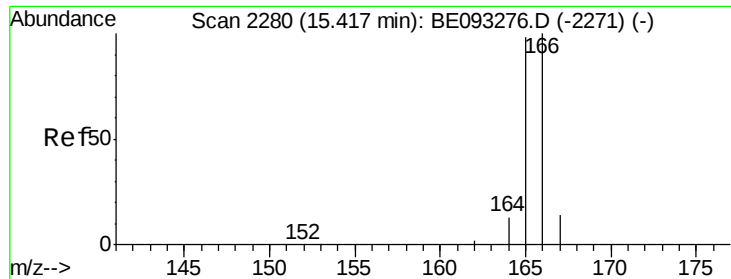
Ion Ratio Lower Upper

153 100

152 50.1 40.3 60.5

154 86.4 71.4 107.2





#9

Fluorene

Concen: 0.40 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

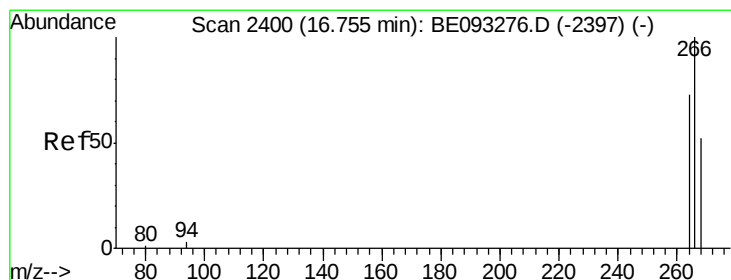
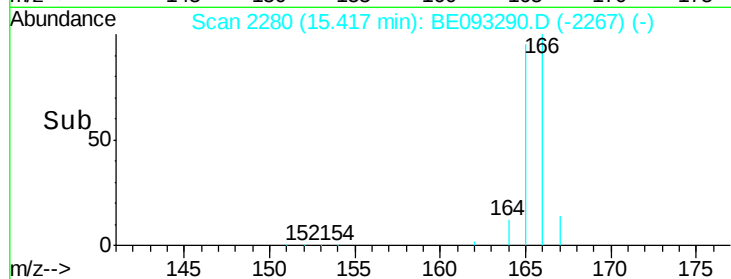
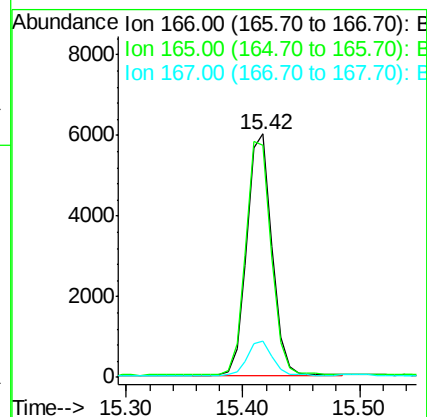
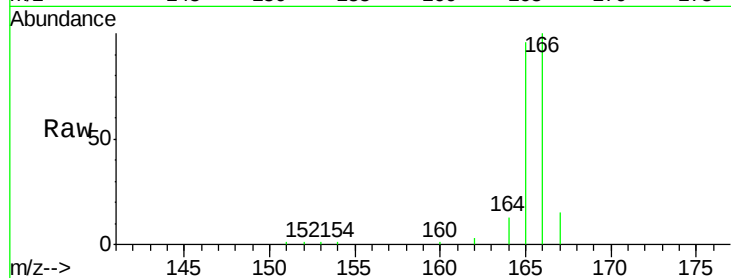
Tgt Ion:166 Resp: 8839

Ion Ratio Lower Upper

166 100

165 95.6 73.4 110.2

167 15.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.44 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

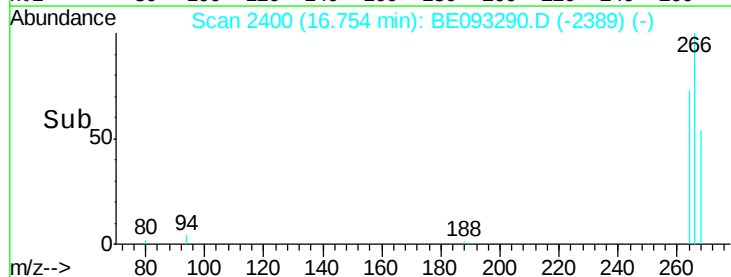
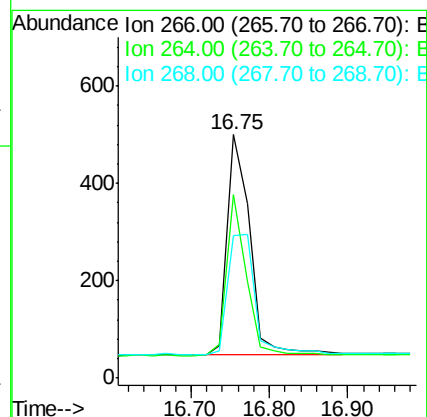
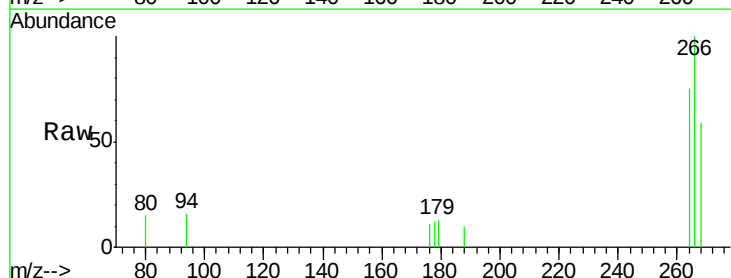
Tgt Ion:266 Resp: 901

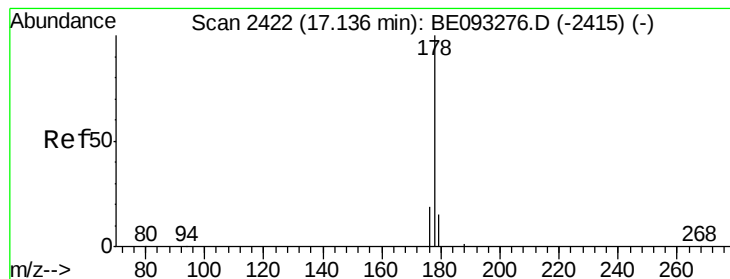
Ion Ratio Lower Upper

266 100

264 63.8 47.9 71.9

268 65.1 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

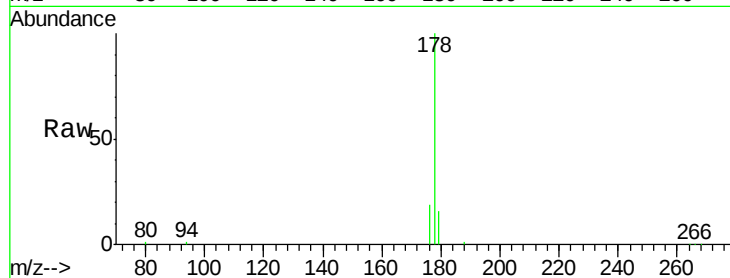
Tgt Ion:178 Resp: 15583

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

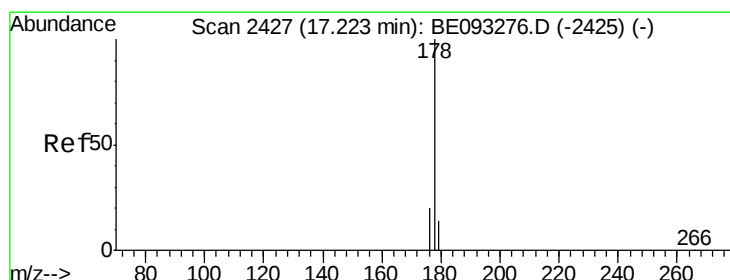
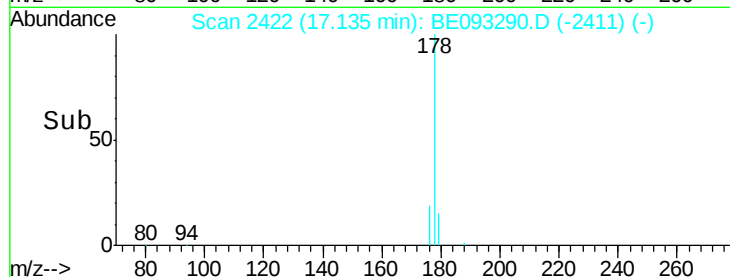
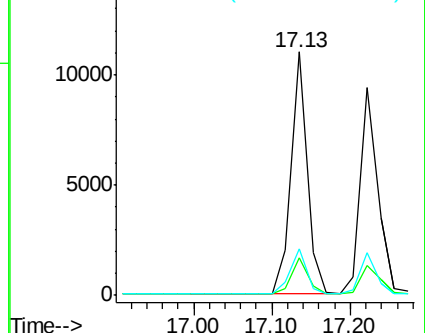
176 19.2 13.6 20.4



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: 0.44 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

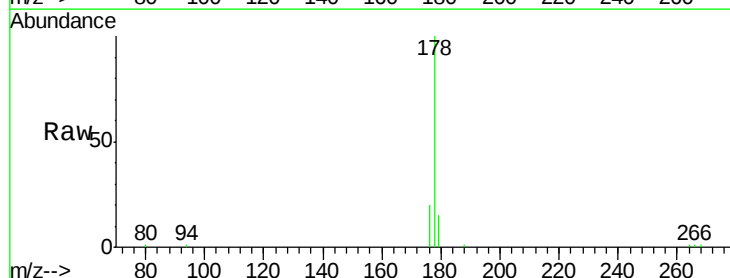
Tgt Ion:178 Resp: 14568

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

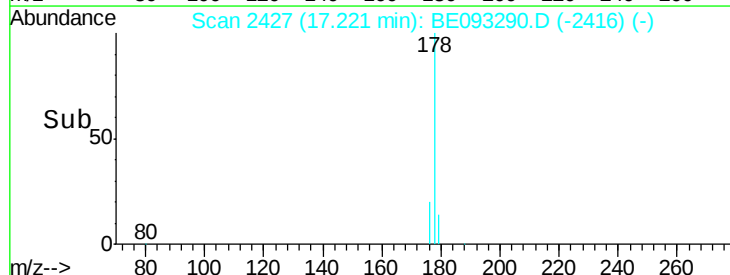
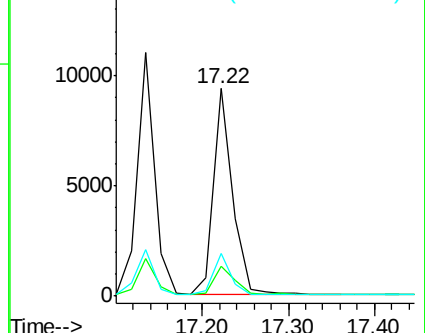
176 20.3 14.7 22.1

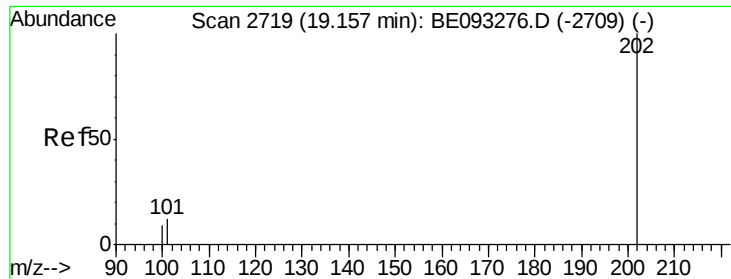


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

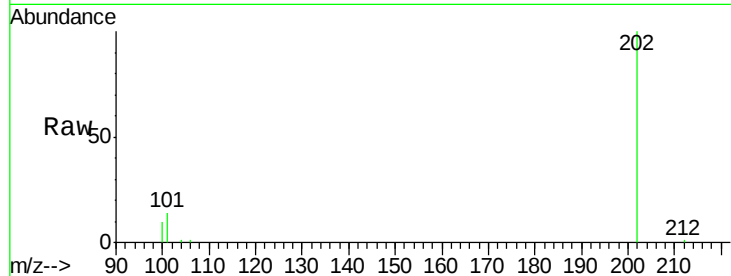
Instrument :

BNA_E

ClientSampleId :

SSTD0.417

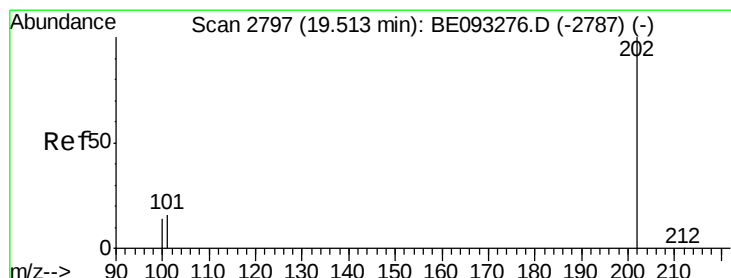
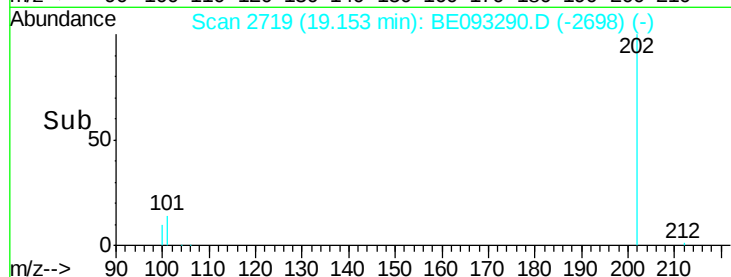
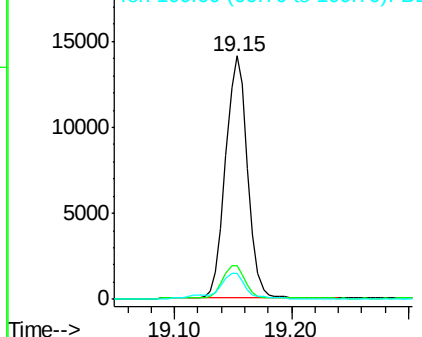
Tgt Ion:	202	Resp:	18401
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	30.3
100	10.5	0.0	39.5



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: 0.48 ng/ul

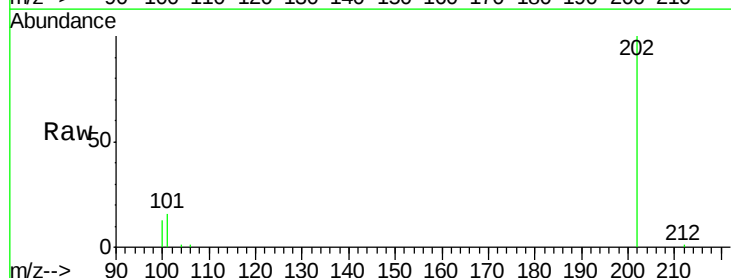
RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

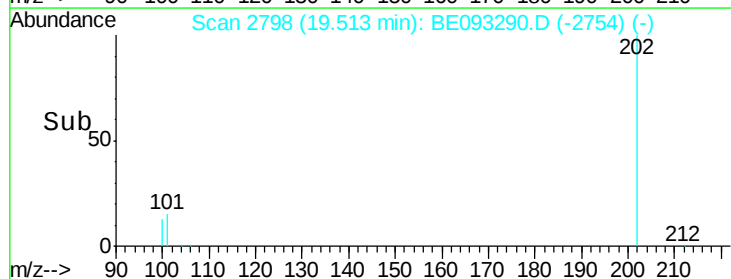
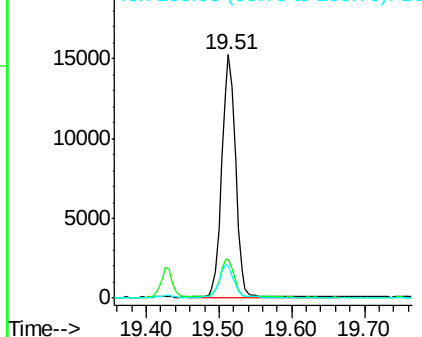
Tgt Ion:	202	Resp:	19848
Ion	Ratio	Lower	Upper
202	100		
101	15.7	18.2	27.4#
100	13.1	15.6	23.4#

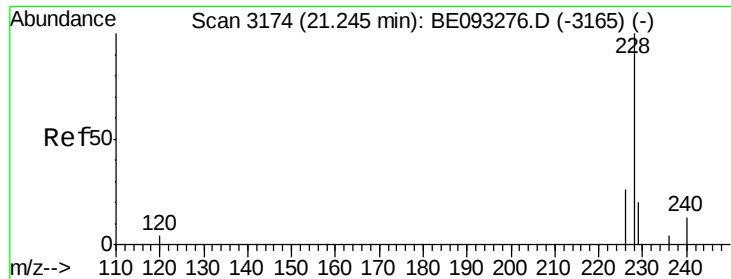


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.45 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

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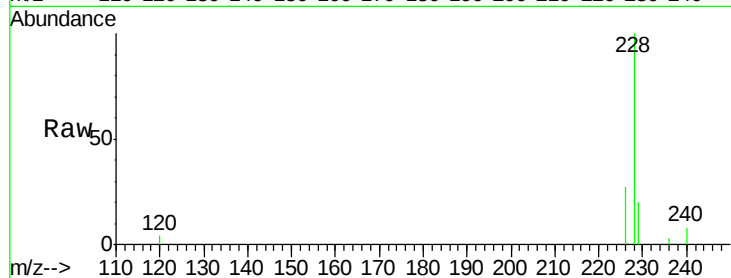
Tgt Ion:228 Resp: 16979

Ion Ratio Lower Upper

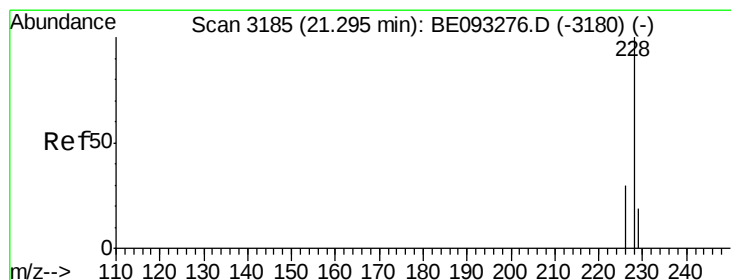
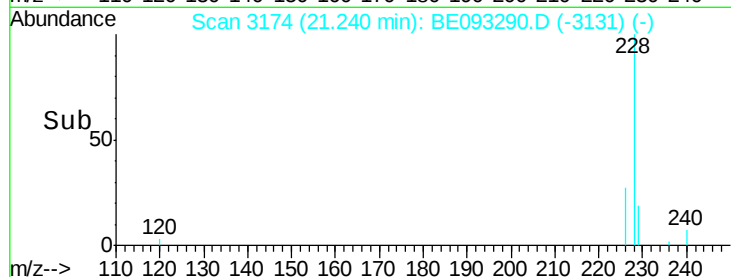
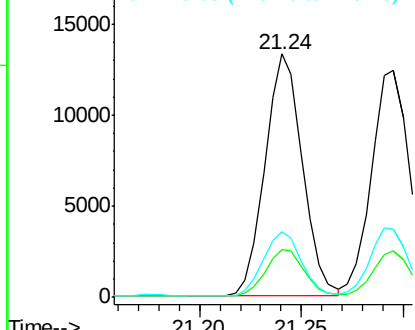
228 100

229 19.9 22.8 34.2#

226 27.2 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: 0.42 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

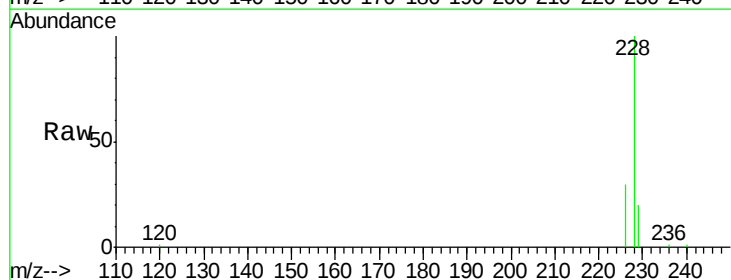
Tgt Ion:228 Resp: 16342

Ion Ratio Lower Upper

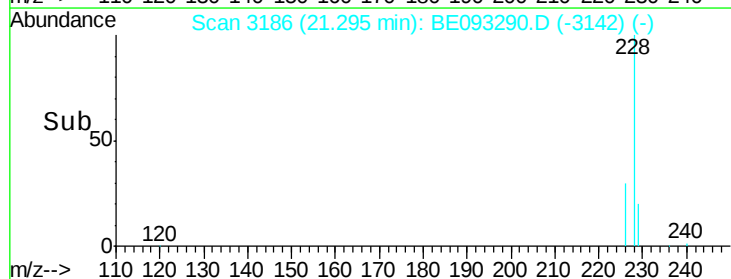
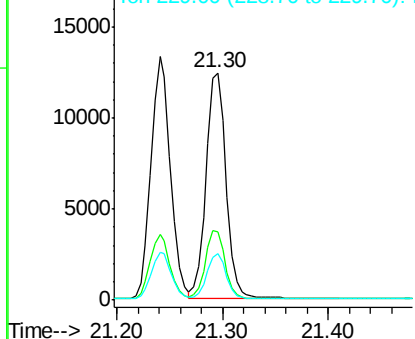
228 100

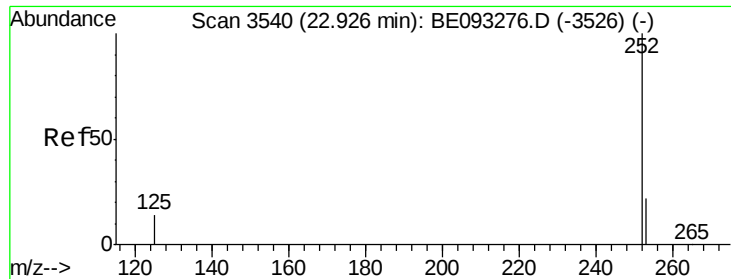
226 30.0 23.4 35.0

229 20.5 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# 3541

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

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SSTD0.417

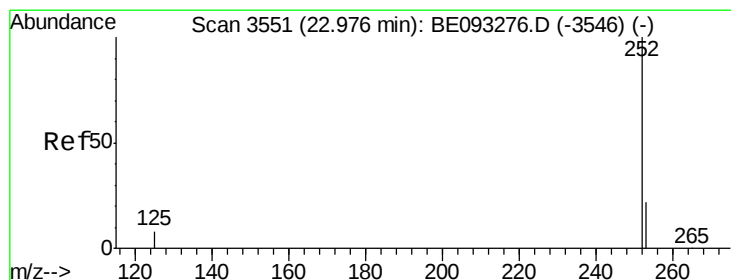
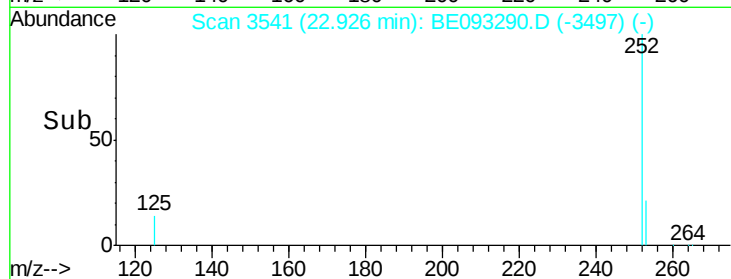
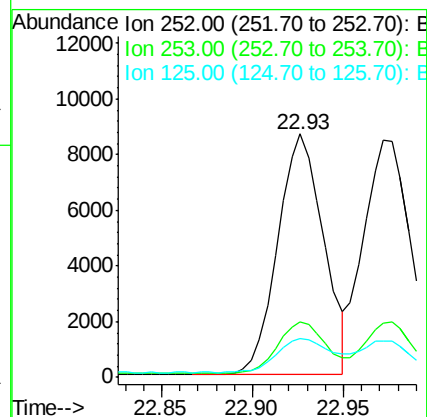
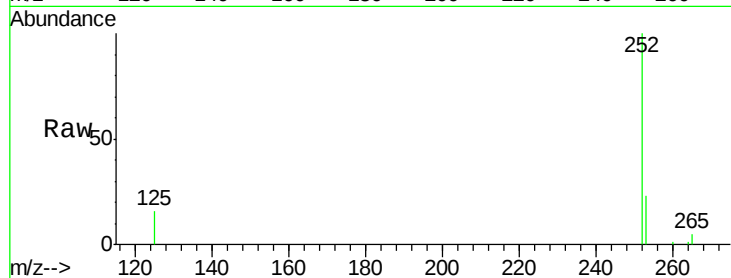
Tgt Ion:252 Resp: 15136

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

125 15.8 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

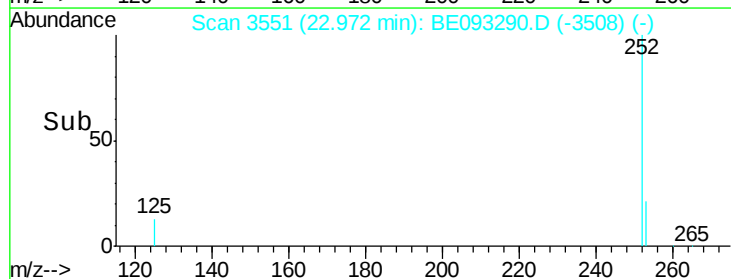
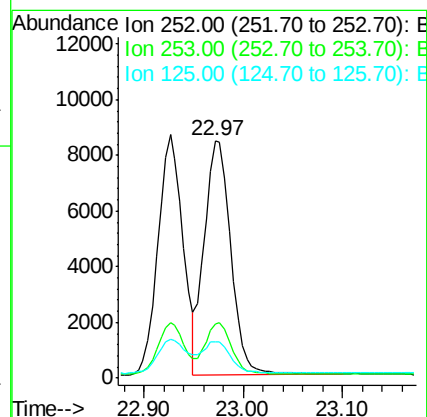
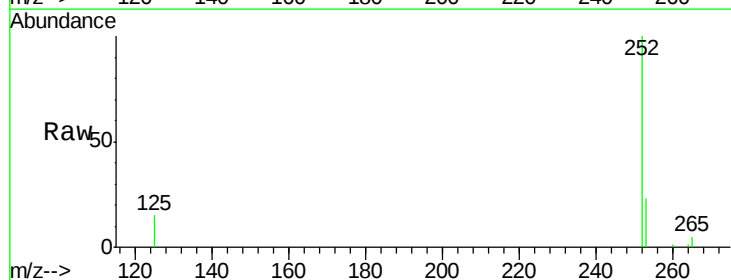
Tgt Ion:252 Resp: 15422

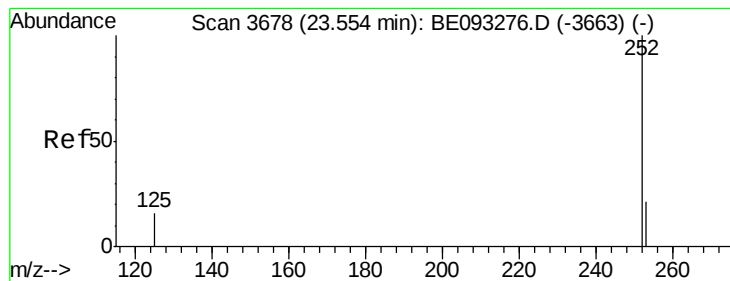
Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

125 15.1 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

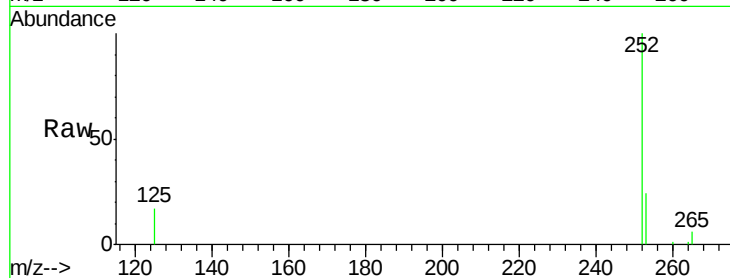
Tgt Ion:252 Resp: 14595

Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

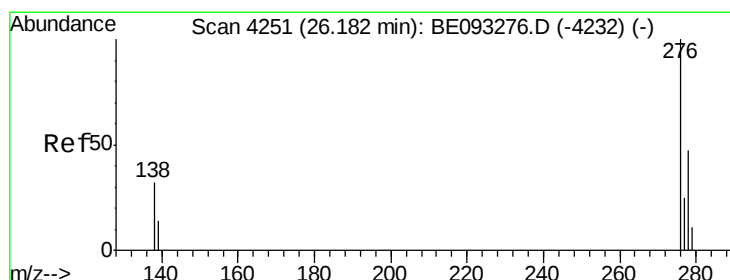
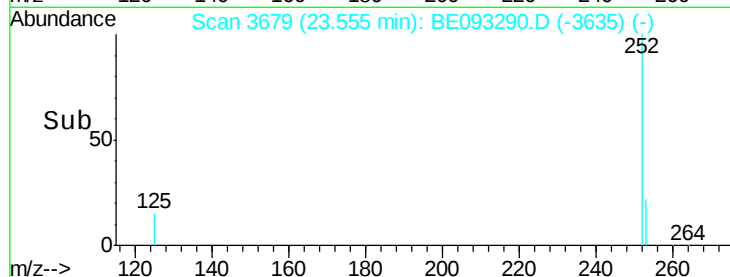
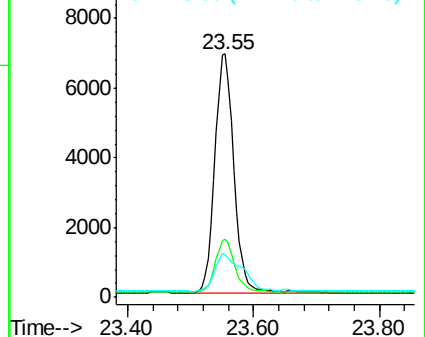
125 17.4 18.1 27.1#



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: 0.42 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

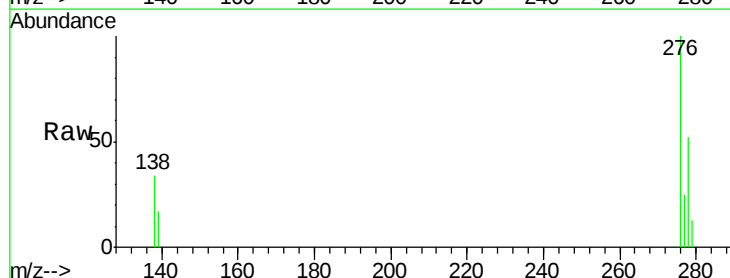
Tgt Ion:276 Resp: 16829

Ion Ratio Lower Upper

276 100

138 34.6 28.0 42.0

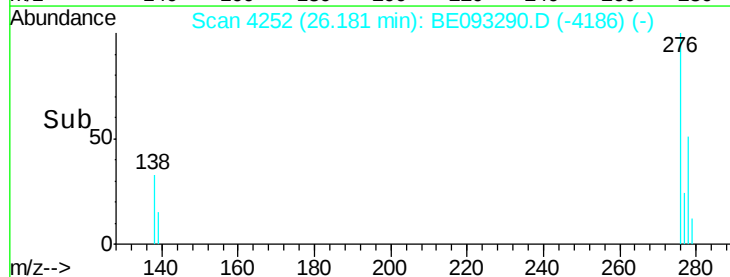
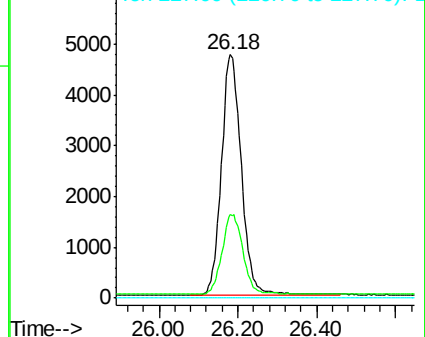
227 0.0 8.0 12.0#

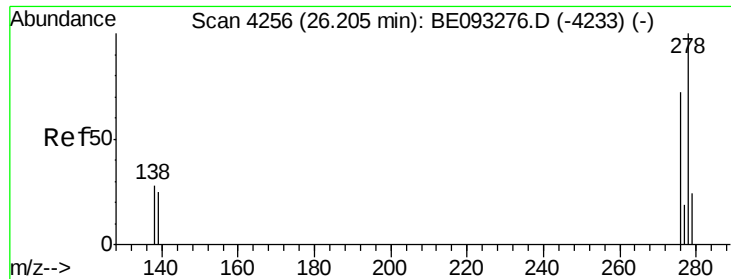


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 26.20 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

Instrument :

BNA_E

ClientSampleId :

SSTD0.417

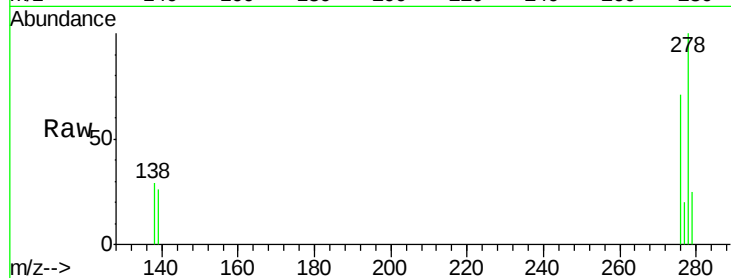
Tgt Ion:278 Resp: 13951

Ion Ratio Lower Upper

278 100

139 26.1 17.4 26.0#

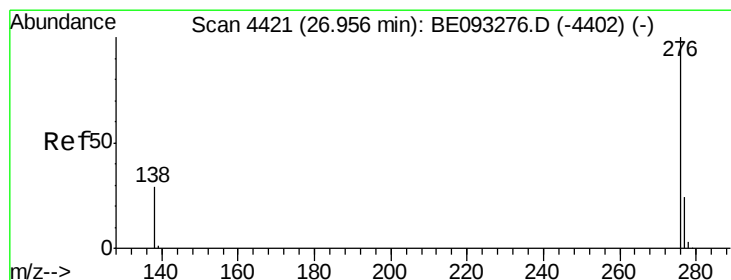
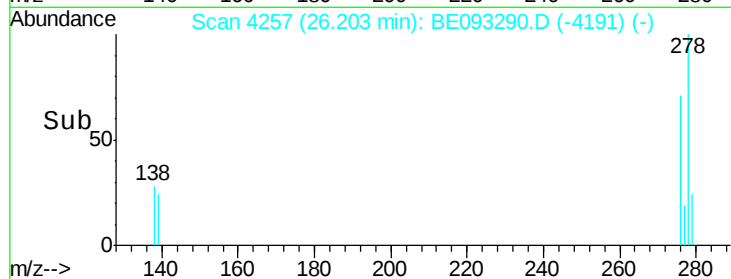
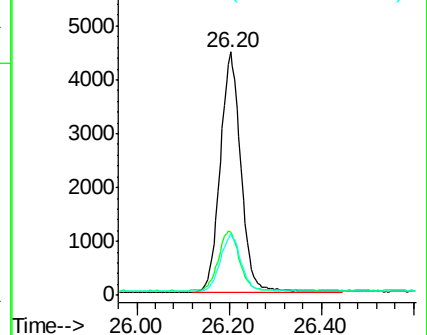
279 25.2 25.9 38.9#



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: 26.96 min Scan# 4422

Delta R.T. -0.00 min

Lab File: BE093290.D

Acq: 20 Jun 2017 20:25

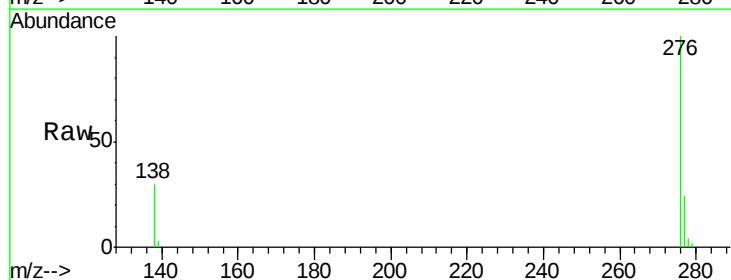
Tgt Ion:276 Resp: 13603

Ion Ratio Lower Upper

276 100

138 30.3 21.8 32.8

277 24.4 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

