

Data File : BE093178.D
Acq On : 14 Jun 2017 20:24
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.405

Quant Time: Jun 15 02:29:07 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 15 02:27:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3073	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	15099	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9157	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	23707	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	25132	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	21048	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	9694	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	27441	0.43	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	15383	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.19	142	11212	0.44	ng/ul	98
7) Acenaphthylene	14.09	152	17629	0.45	ng/ul	96
8) Acenaphthene	14.43	153	13048	0.41	ng/ul	99
9) Fluorene	15.42	166	15205	0.41	ng/ul	93
11) Pentachlorophenol	16.75	266	1929	0.55	ng/ul	97
12) Phenanthrene	17.14	178	26858	0.41	ng/ul#	88
13) Anthracene	17.22	178	25721	0.45	ng/ul#	87
15) Fluoranthene	19.16	202	32597	0.41	ng/ul	83
17) Pyrene	19.52	202	34685	0.47	ng/ul#	82
18) Benzo(a)anthracene	21.25	228	30546	0.46	ng/ul#	88
19) Chrysene	21.30	228	28676	0.41	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	26408	0.41	ng/ul	94
22) Benzo(k)fluoranthene	22.98	252	26902	0.40	ng/ul	96
23) Benzo(a)pyrene	23.55	252	26013	0.43	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.18	276	28738	0.41	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.20	278	24053	0.41	ng/ul#	90
26) Benzo(g,h,i)perylene	26.95	276	23884	0.40	ng/ul	95

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

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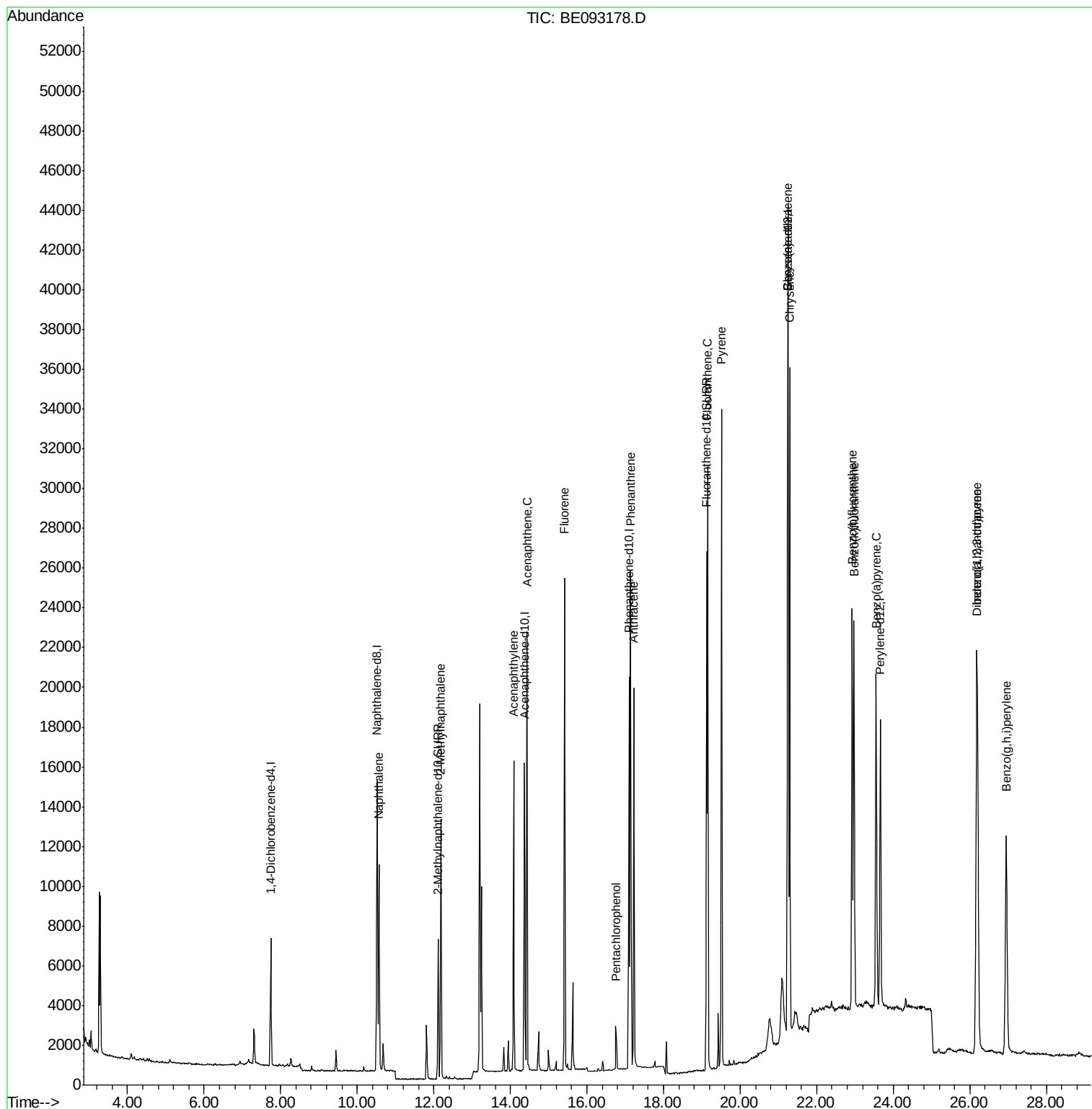
Quant Time: Jun 15 02:29:07 2017

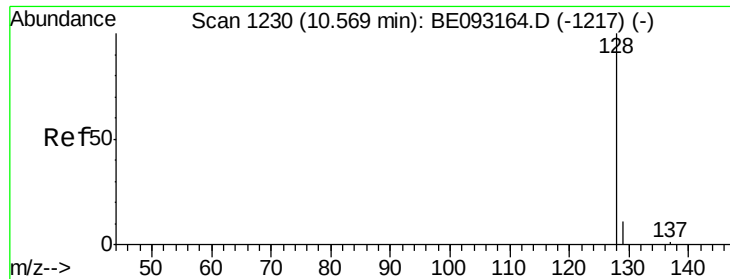
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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QLast Update : Thu Jun 15 02:27:21 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.405

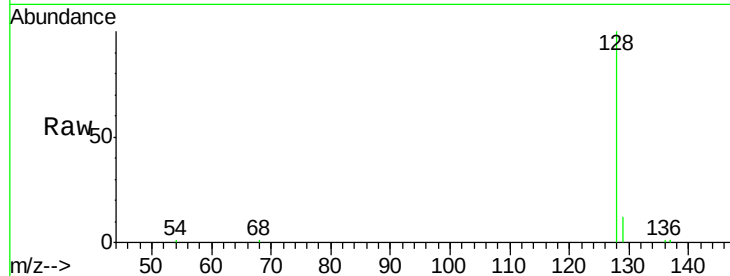
Tgt Ion:128 Resp: 15383

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

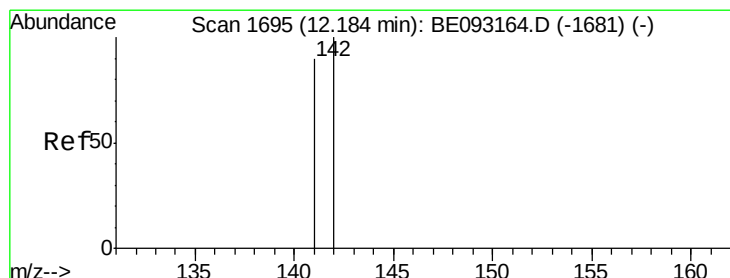
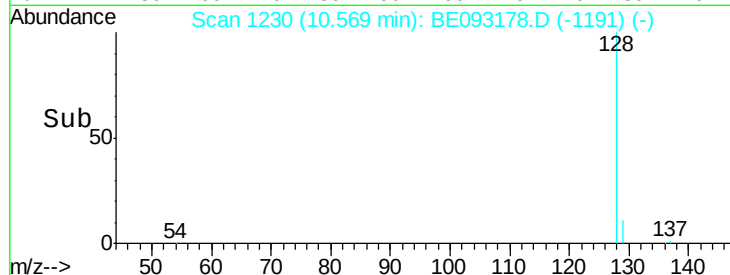
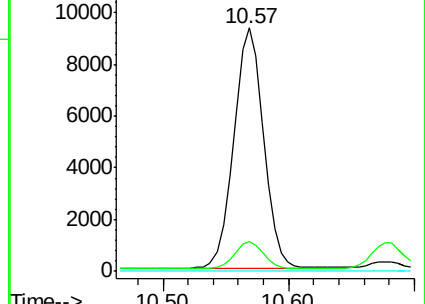
127 0.0 4.0 6.0#



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: 0.44 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093178.D

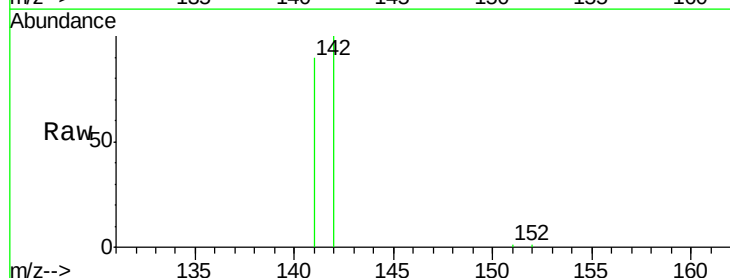
Acq: 14 Jun 2017 20:24

Tgt Ion:142 Resp: 11212

Ion Ratio Lower Upper

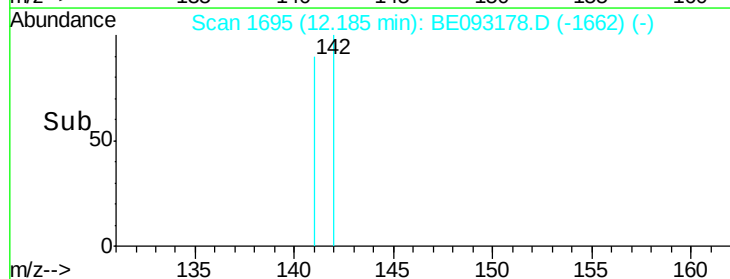
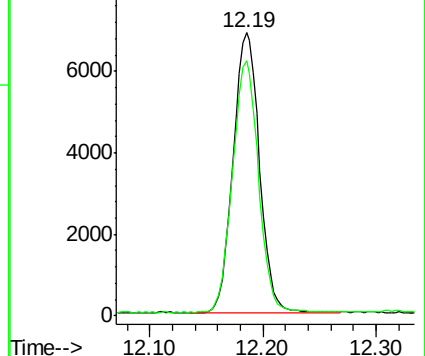
142 100

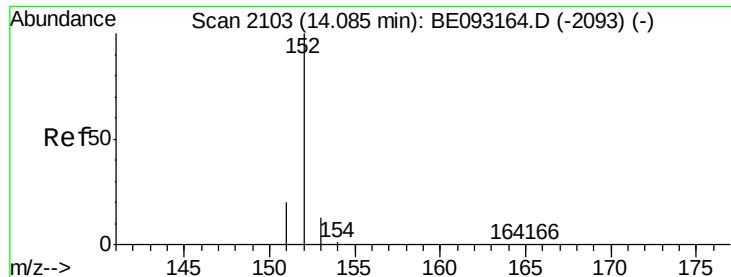
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.45 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.405

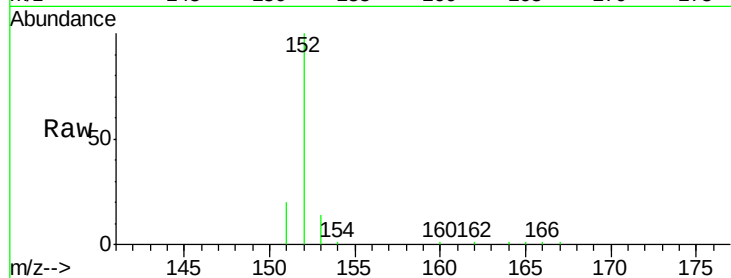
Tgt Ion:152 Resp: 17629

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

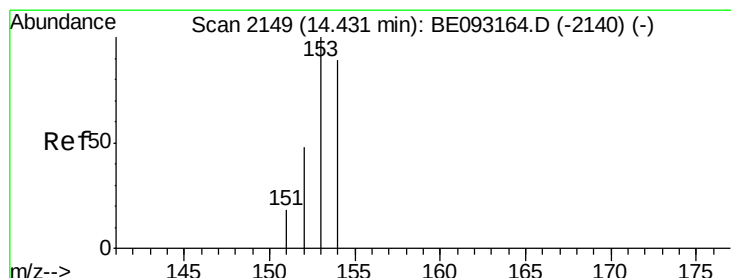
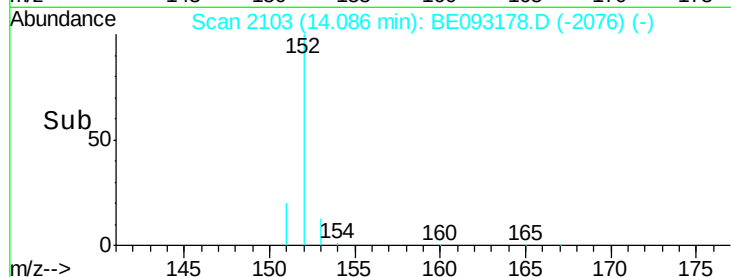
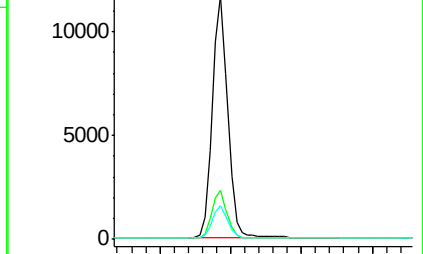
153 13.7 12.8 19.2



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: BE093178.D

Acq: 14 Jun 2017 20:24

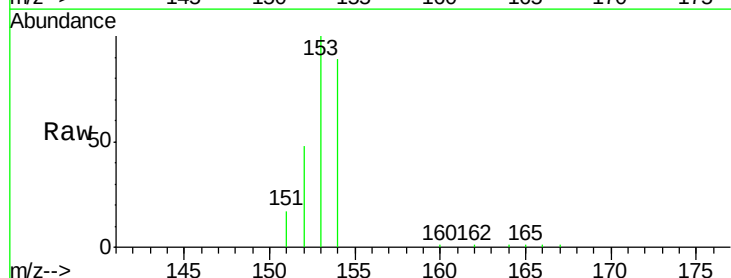
Tgt Ion:153 Resp: 13048

Ion Ratio Lower Upper

153 100

152 48.1 40.3 60.5

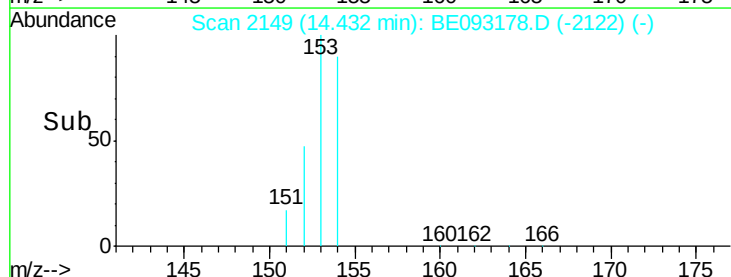
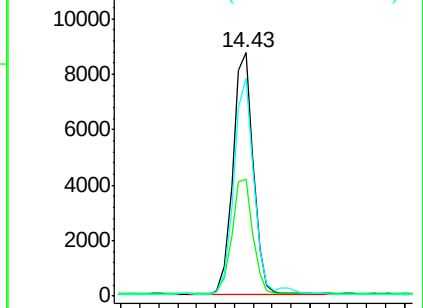
154 89.5 71.4 107.2

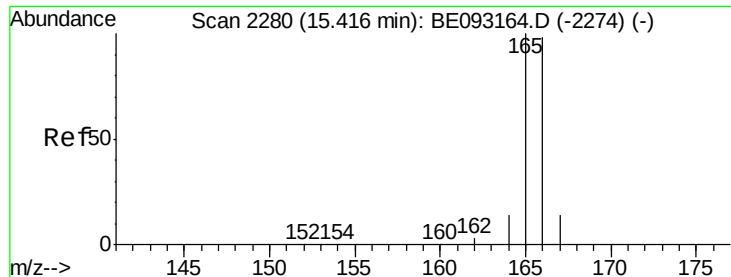


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

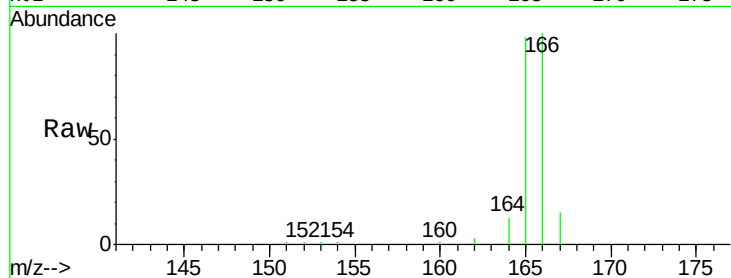




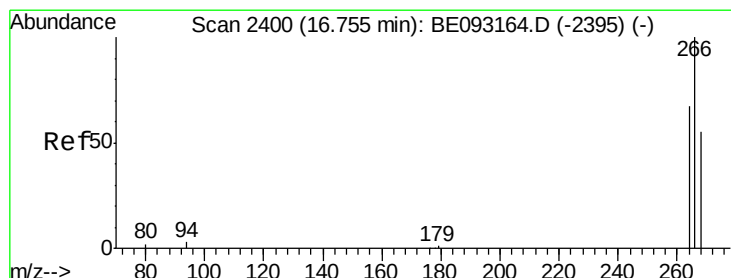
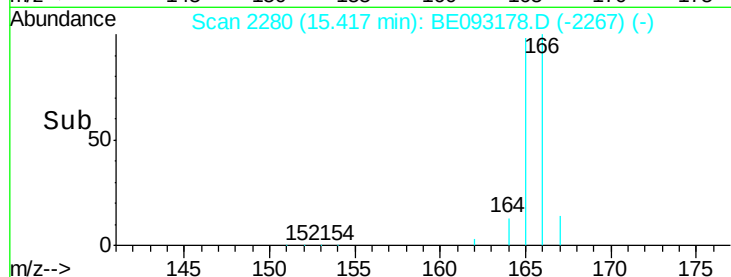
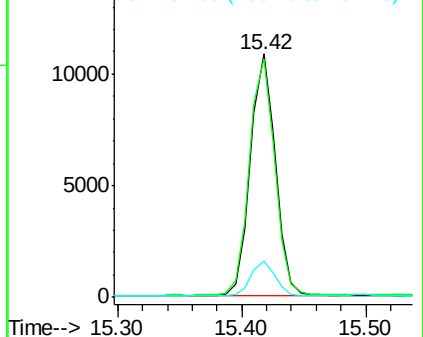
#9
Fluorene
 Concen: 0.41 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093178.D
 Acq: 14 Jun 2017 20:24

Instrument :
 BNA_E
 ClientSampleId :
 SST0.405

Tgt Ion:166 Resp: 15205
 Ion Ratio Lower Upper
 166 100
 165 98.2 73.4 110.2
 167 15.0 14.6 22.0

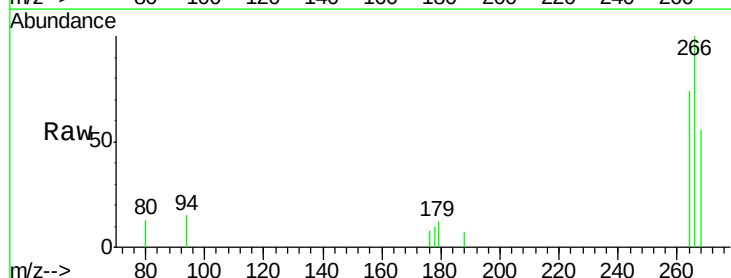


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

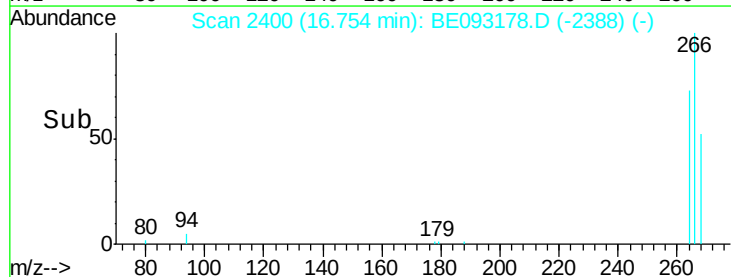
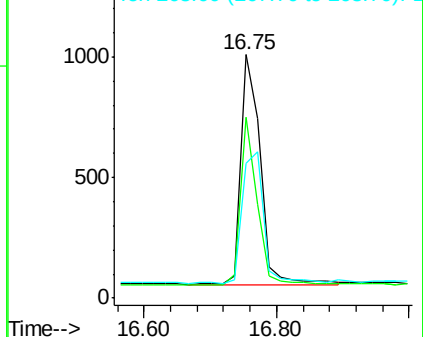


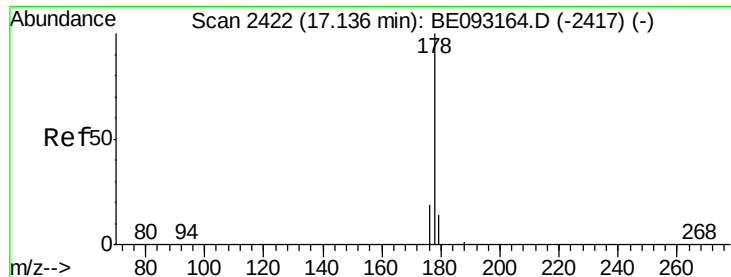
#11
Pentachlorophenol
 Concen: 0.55 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093178.D
 Acq: 14 Jun 2017 20:24

Tgt Ion:266 Resp: 1929
 Ion Ratio Lower Upper
 266 100
 264 63.9 47.9 71.9
 268 63.3 49.8 74.8



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

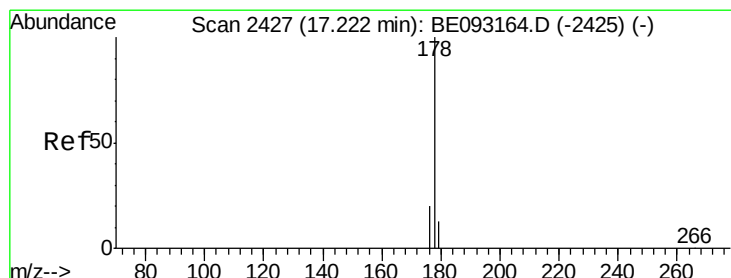
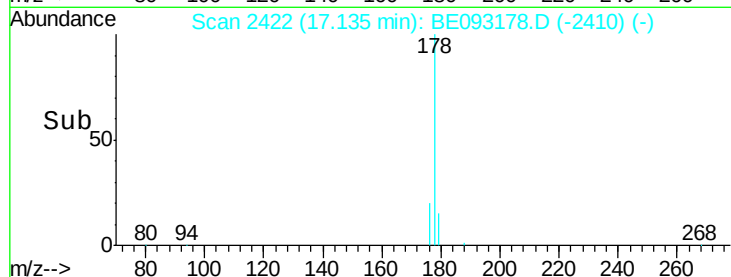
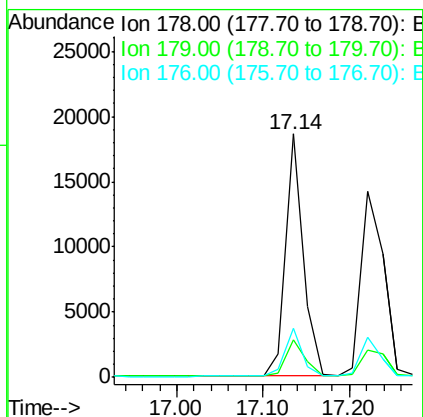
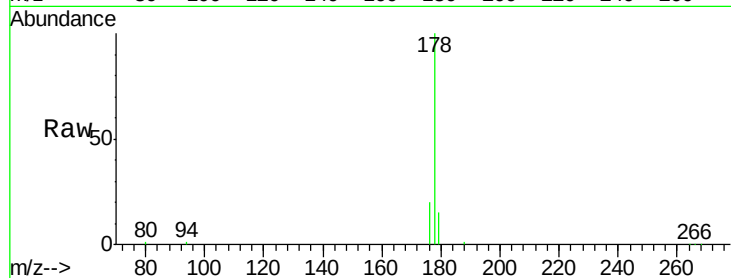




#12
Phenanthrene
Concen: 0.41 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BE093178.D
Acq: 14 Jun 2017 20:24

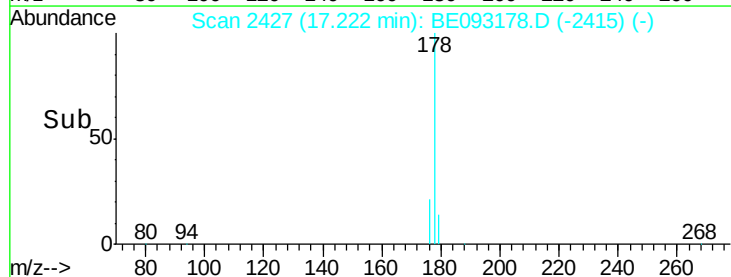
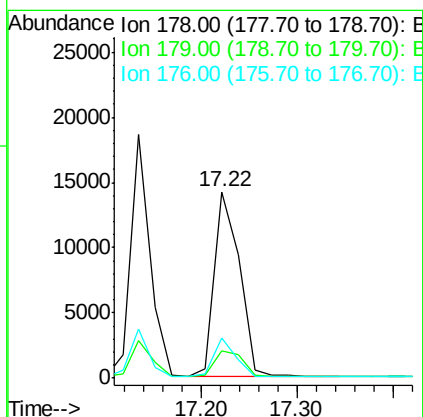
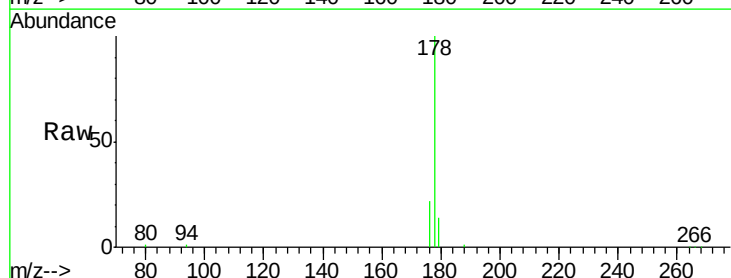
Instrument :
BNA_E
ClientSampleId :
SSTD0.405

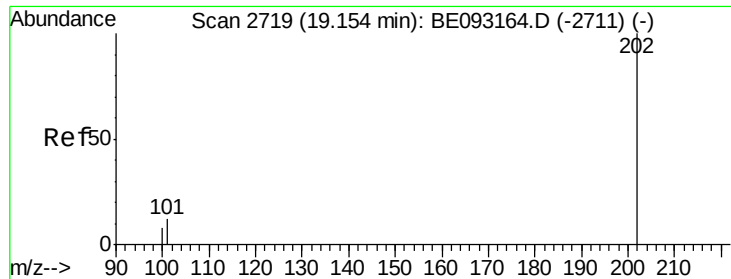
Tgt Ion:178 Resp: 26858
Ion Ratio Lower Upper
178 100
179 15.2 18.4 27.6#
176 19.9 13.6 20.4



#13
Anthracene
Concen: 0.45 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BE093178.D
Acq: 14 Jun 2017 20:24

Tgt Ion:178 Resp: 25721
Ion Ratio Lower Upper
178 100
179 14.4 18.1 27.1#
176 21.7 14.7 22.1





#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

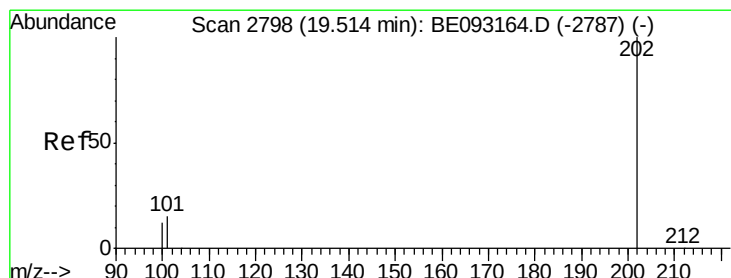
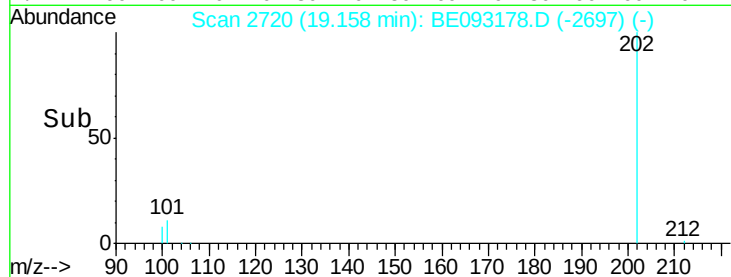
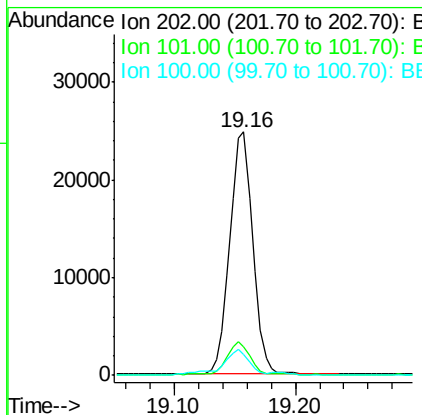
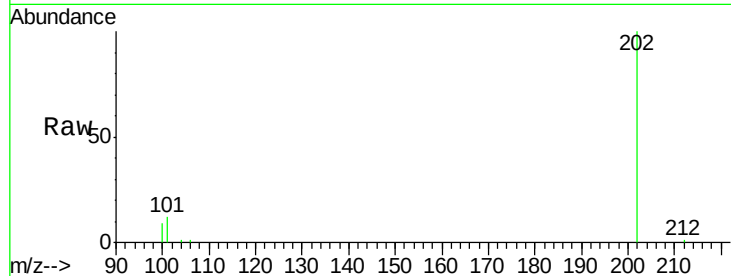
Instrument :

BNA_E

ClientSampleId :

SSTD0.405

Tgt Ion:	202	Resp:	32597
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.3
100	8.6	0.0	39.5



#17

Pyrene

Concen: 0.47 ng/ul

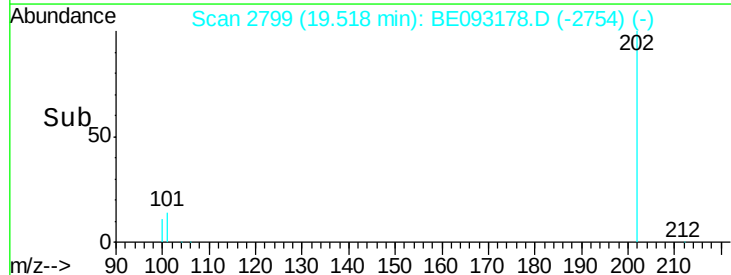
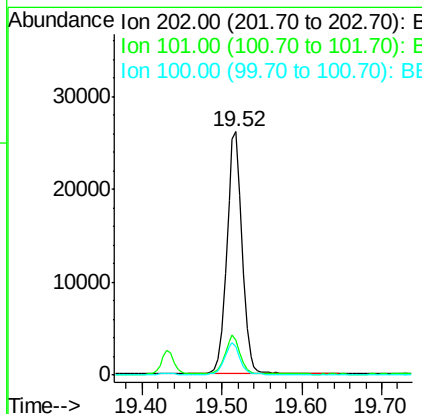
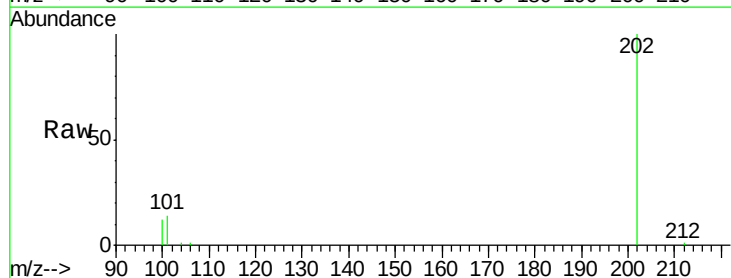
RT: 19.52 min Scan# 2799

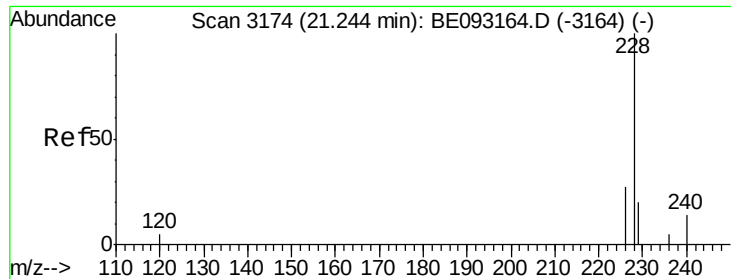
Delta R.T. 0.00 min

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Tgt Ion:	202	Resp:	34685
Ion	Ratio	Lower	Upper
202	100		
101	14.3	18.2	27.4#
100	11.5	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.25 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.405

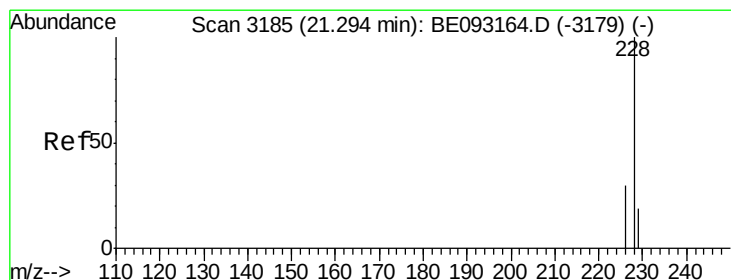
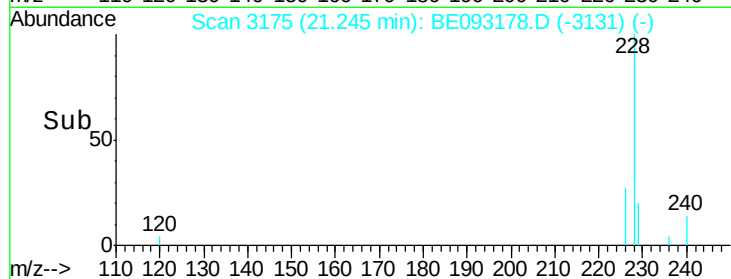
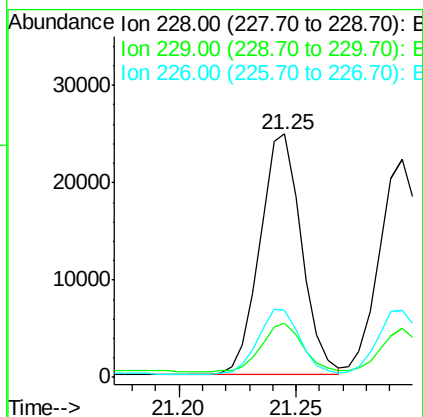
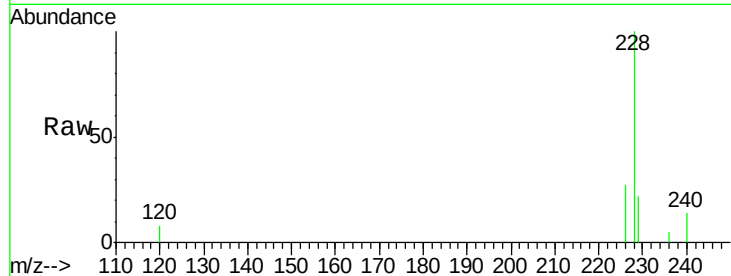
Tgt Ion:228 Resp: 30546

Ion Ratio Lower Upper

228 100

229 22.1 22.8 34.2#

226 27.3 17.0 25.6#



#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

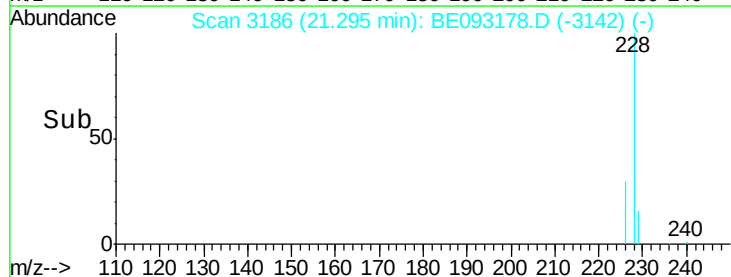
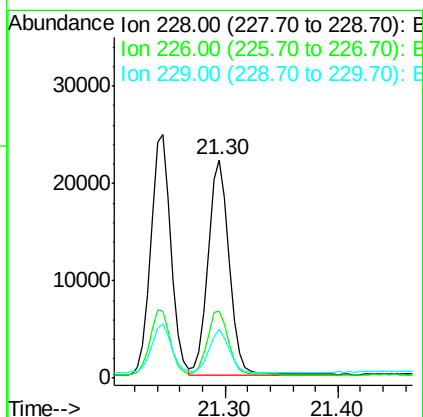
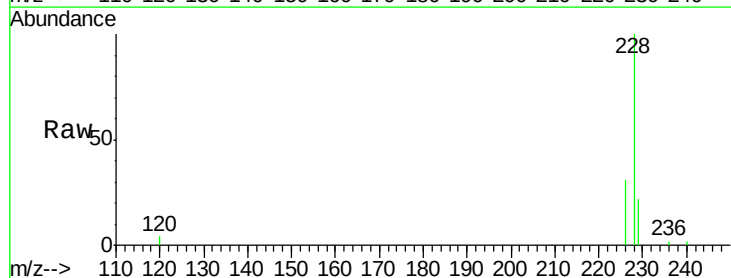
Tgt Ion:228 Resp: 28676

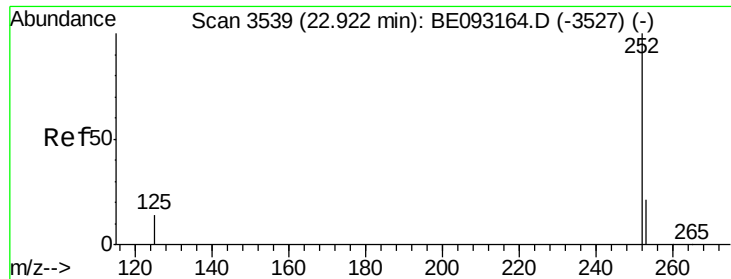
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 22.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093178.D

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Instrument :

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SSTD0.405

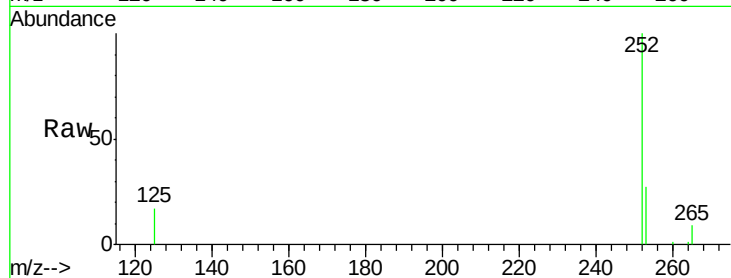
Tgt Ion:252 Resp: 26408

Ion Ratio Lower Upper

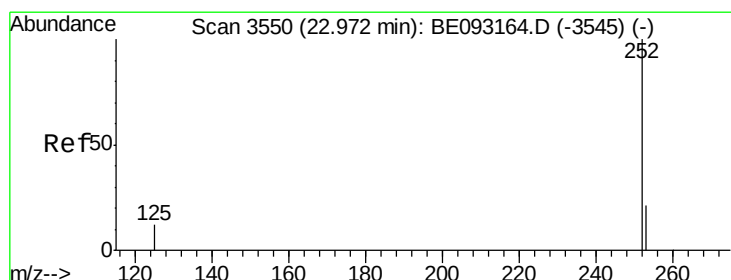
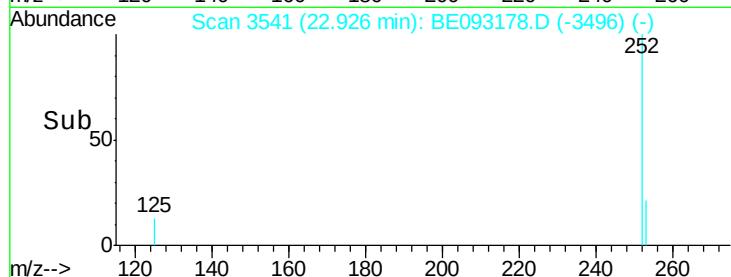
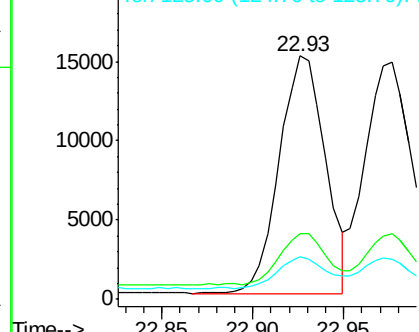
252 100

253 26.8 0.0 64.2

125 17.5 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: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

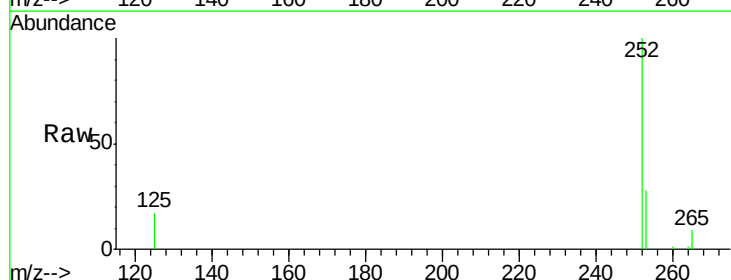
Tgt Ion:252 Resp: 26902

Ion Ratio Lower Upper

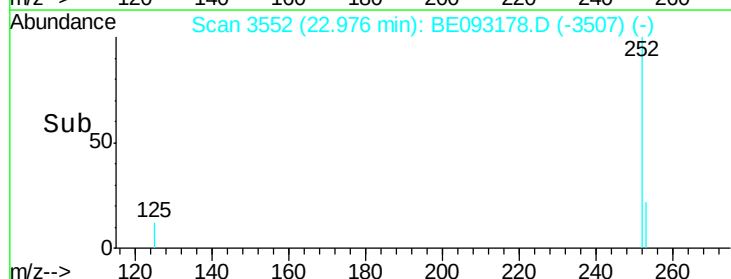
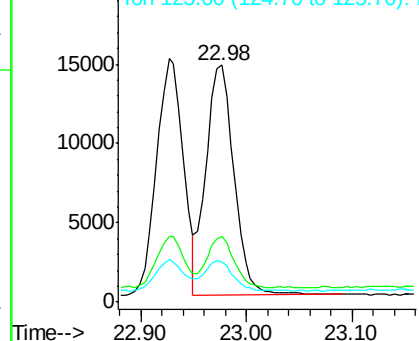
252 100

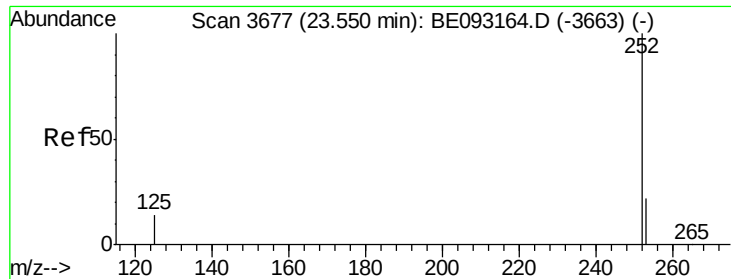
253 27.6 24.5 36.7

125 16.7 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: 0.43 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.405

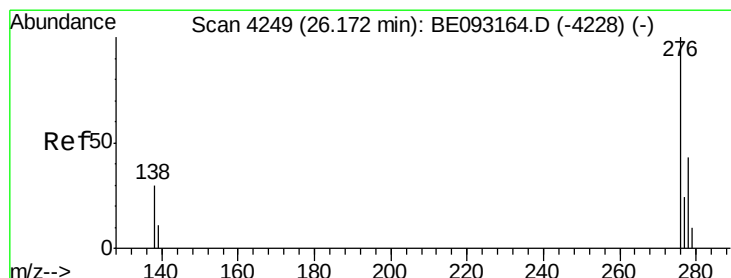
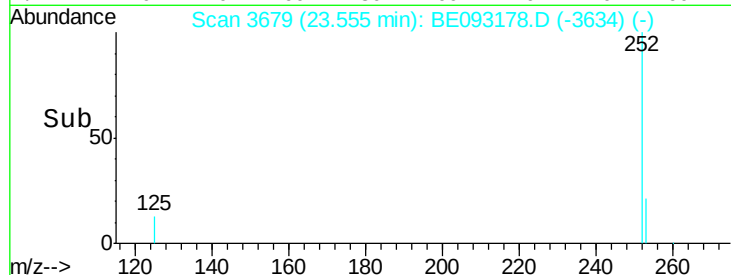
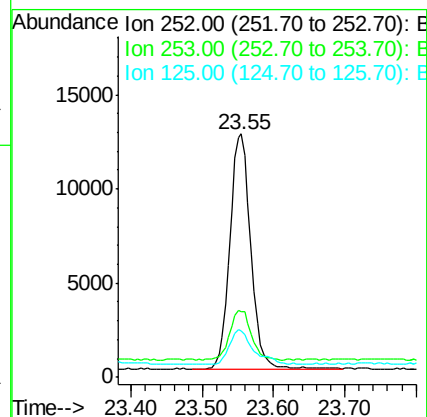
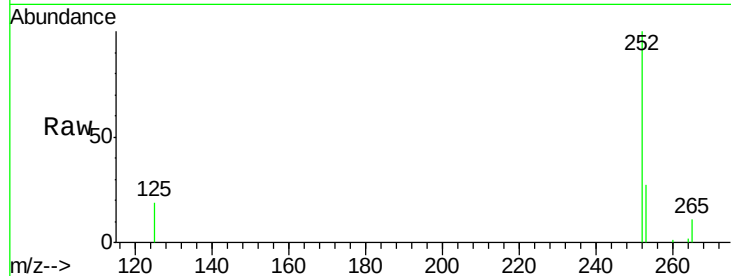
Tgt Ion:252 Resp: 26013

Ion Ratio Lower Upper

252 100

253 27.2 28.5 42.7#

125 19.0 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 26.18 min Scan# 4252

Delta R.T. 0.01 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

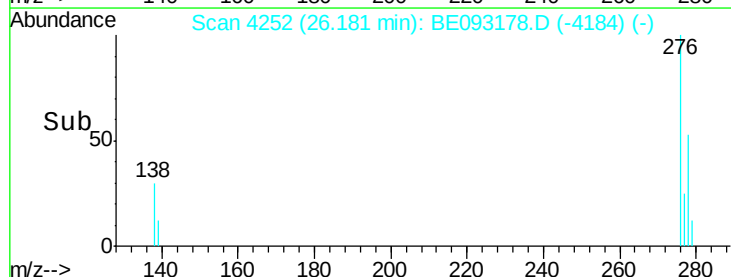
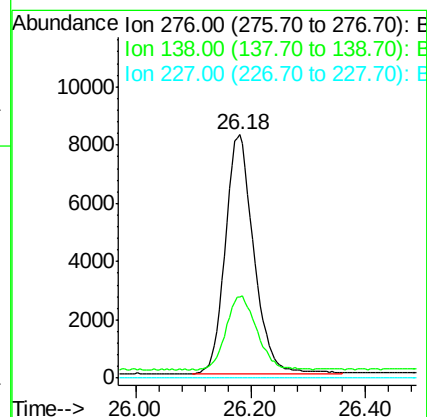
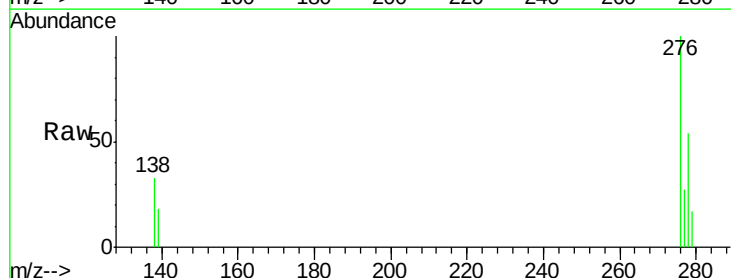
Tgt Ion:276 Resp: 28738

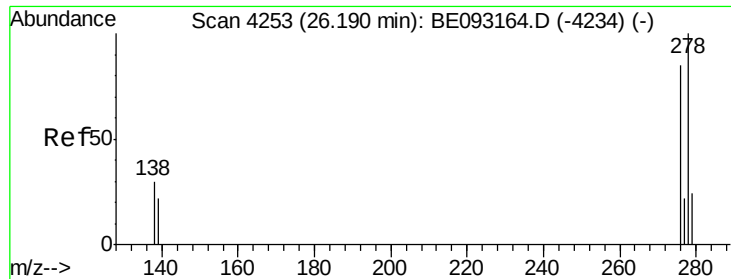
Ion Ratio Lower Upper

276 100

138 32.9 28.0 42.0

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 26.20 min Scan# 4257

Delta R.T. 0.01 min

Lab File: BE093178.D

Acq: 14 Jun 2017 20:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.405

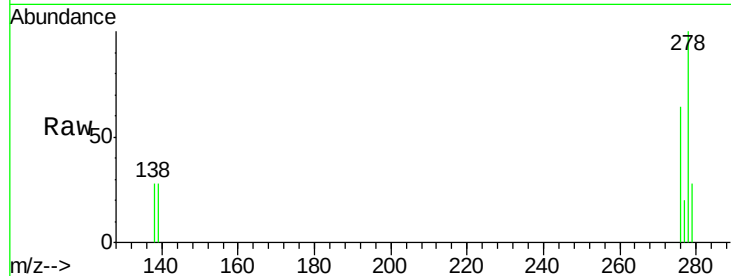
Tgt Ion:278 Resp: 24053

Ion Ratio Lower Upper

278 100

139 27.9 17.4 26.0#

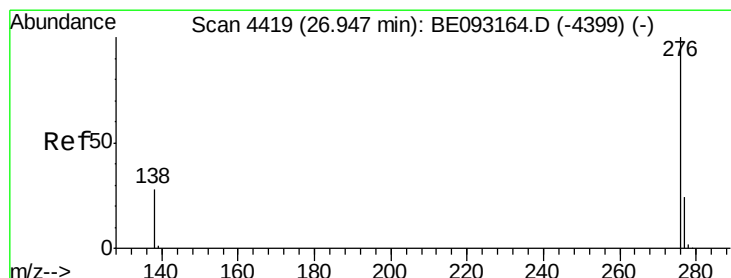
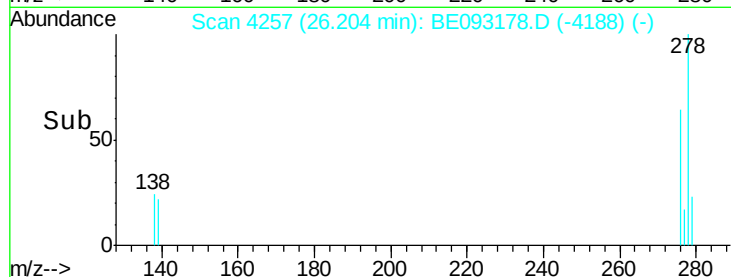
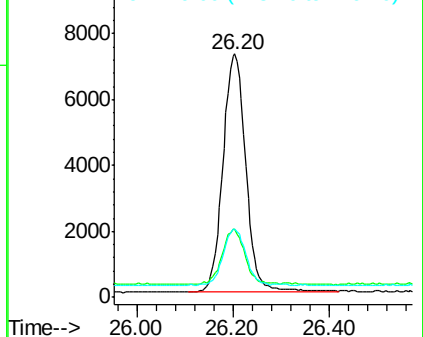
279 27.9 25.9 38.9



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: BE093178.D

Acq: 14 Jun 2017 20:24

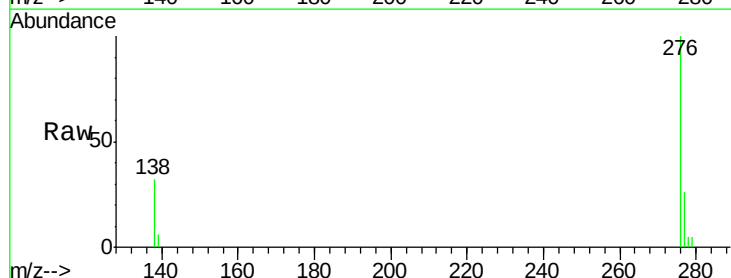
Tgt Ion:276 Resp: 23884

Ion Ratio Lower Upper

276 100

138 31.8 21.8 32.8

277 26.3 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

