

Data File : BE093140.D
Acq On : 13 Jun 2017 20:53
Operator : SJ/MA
Sample : I3522-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D36

Quant Time: Jun 14 01:26:25 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	4543	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	22060	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	13234	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	32481	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	35520	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	38920	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5678	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	16181	0.18	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.57	128	9649	0.18	ng/ul#	93
5) 2-Methylnaphthalene	12.19	142	1412	0.04	ng/ul	100
7) Acenaphthylene	14.08	152	9885	0.17	ng/ul	98
8) Acenaphthene	14.43	153	1605	0.04	ng/ul	97
9) Fluorene	15.42	166	2311	0.04	ng/ul	94
11) Pentachlorophenol	16.75	266	86	0.02	ng/ul#	80
12) Phenanthrene	17.14	178	17860	0.20	ng/ul#	86
13) Anthracene	17.22	178	16437	0.21	ng/ul#	88
15) Fluoranthene	19.15	202	151751	1.38	ng/ul	84
17) Pyrene	19.51	202	164194	1.57	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	116722	1.23	ng/ul#	85
19) Chrysene	21.29	228	159583	1.62	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	333401	2.82	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	20041	0.16	ng/ul	95
23) Benzo(a)pyrene	23.55	252	123764	1.11	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.17	276	73120	0.57	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	19673	0.18	ng/ul#	90
26) Benzo(g,h,i)perylene	26.95	276	63228	0.57	ng/ul	97

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

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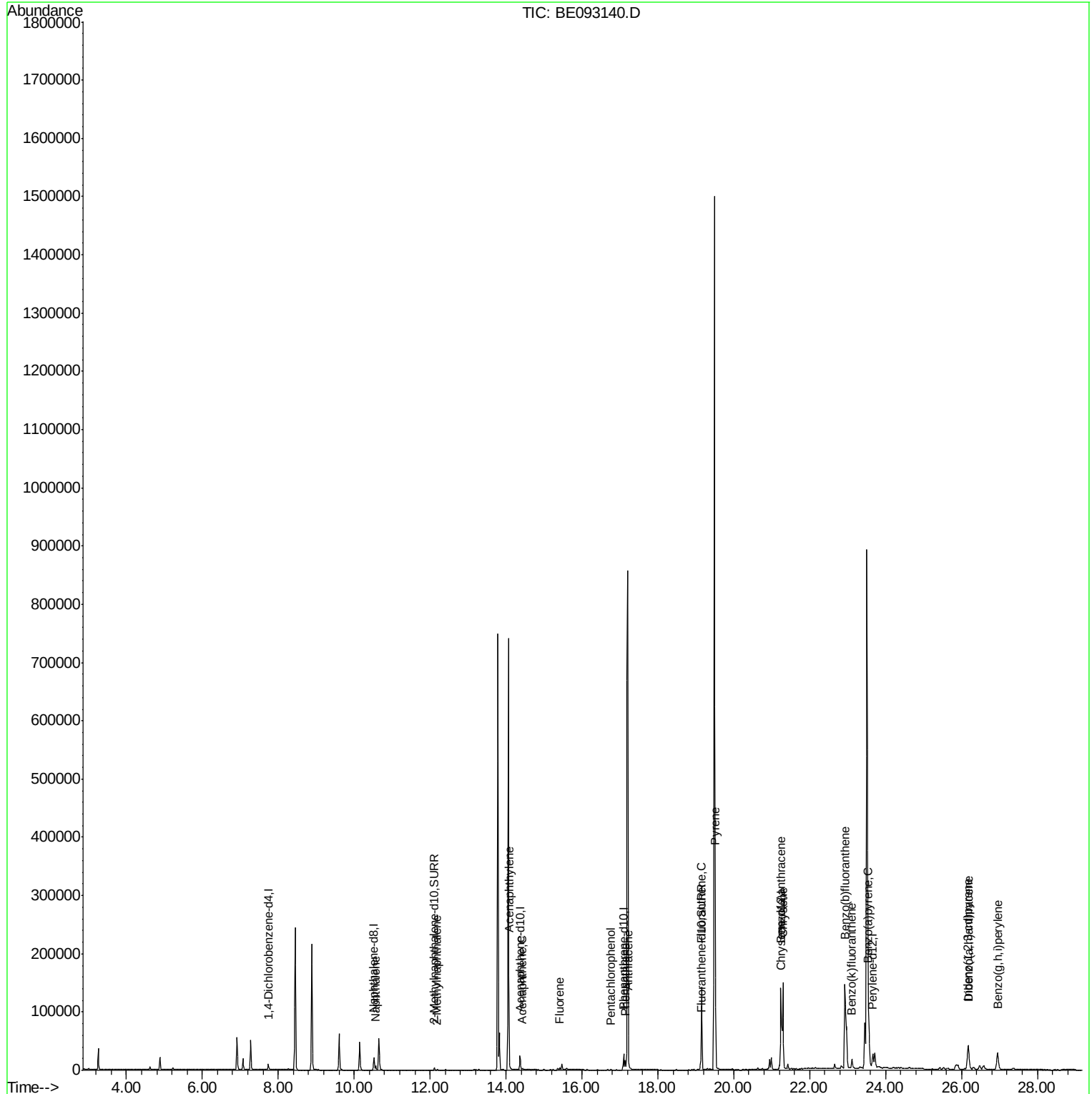
Quant Time: Jun 14 01:26:25 2017

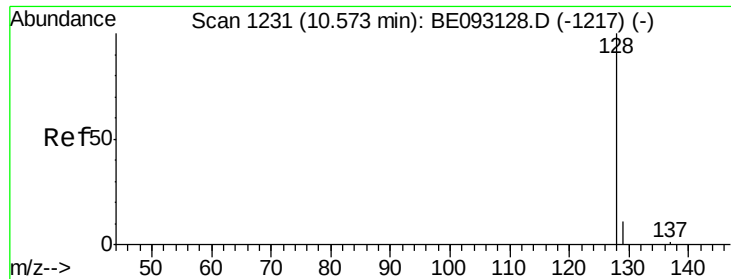
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 01:25:15 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.18 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

F5D36

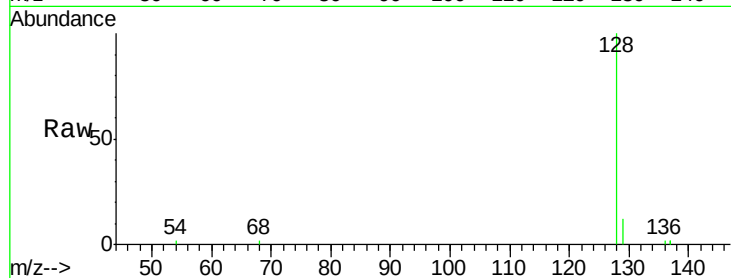
Tgt Ion:128 Resp: 9649

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

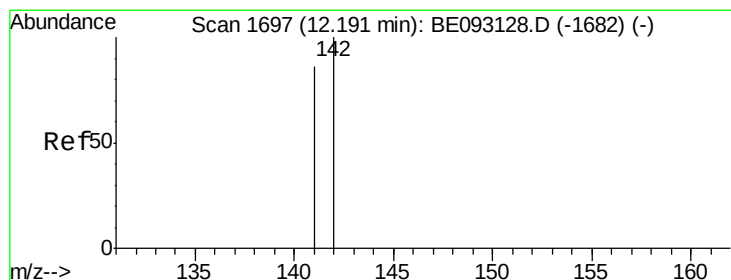
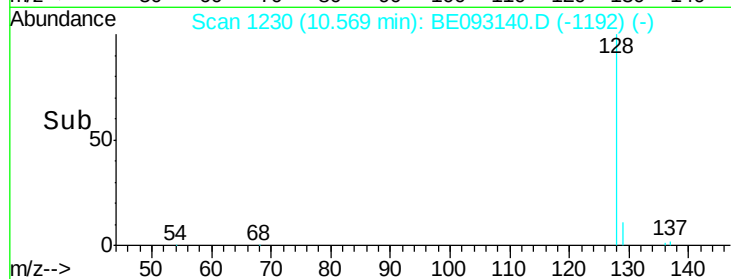
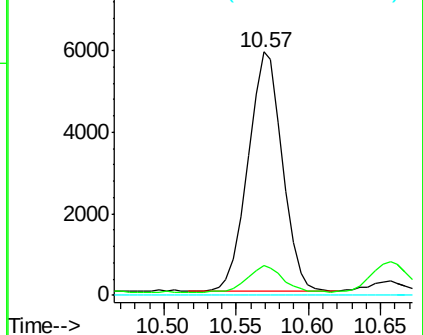
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093140.D

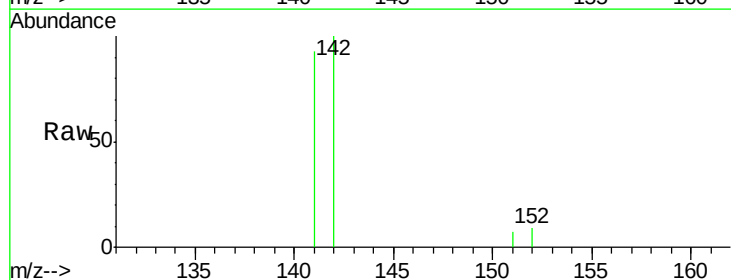
Acq: 13 Jun 2017 20:53

Tgt Ion:142 Resp: 1412

Ion Ratio Lower Upper

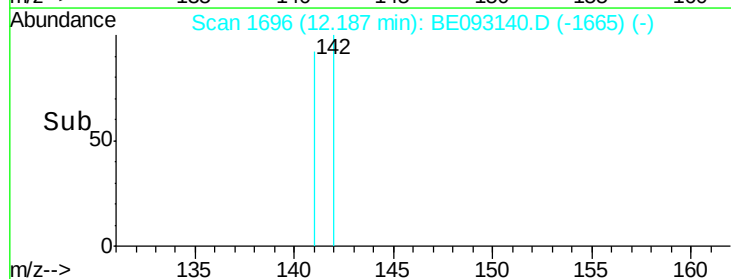
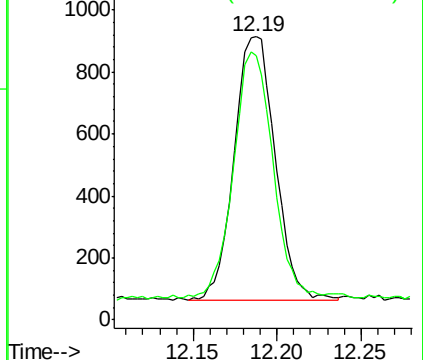
142 100

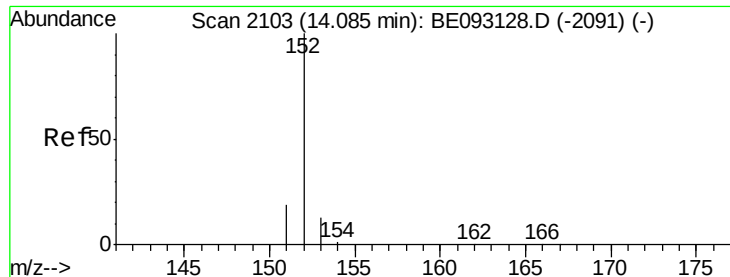
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.17 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

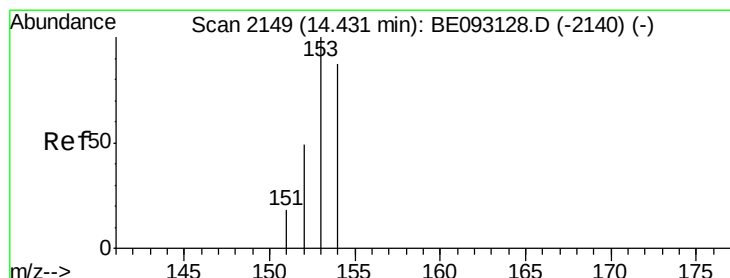
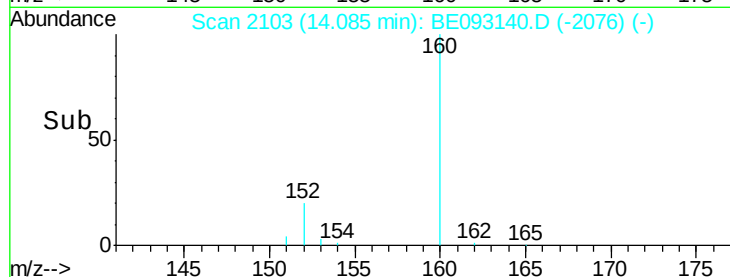
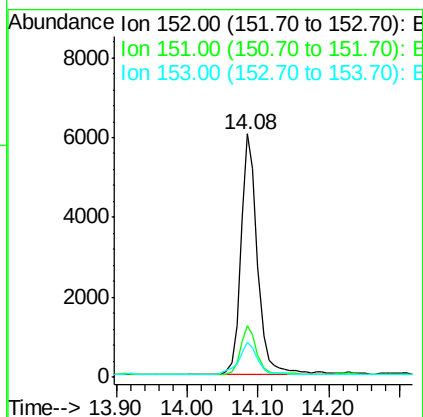
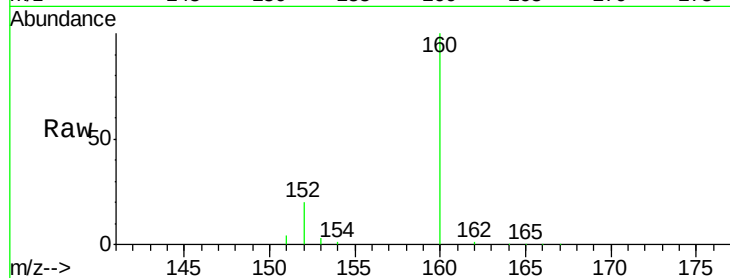
Instrument :

BNA_E

ClientSampleId :

F5D36

Tgt Ion:	152	Resp:	9885
Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.1	25.7
153	14.6	12.8	19.2



#8

Acenaphthene

Concen: 0.04 ng/ul

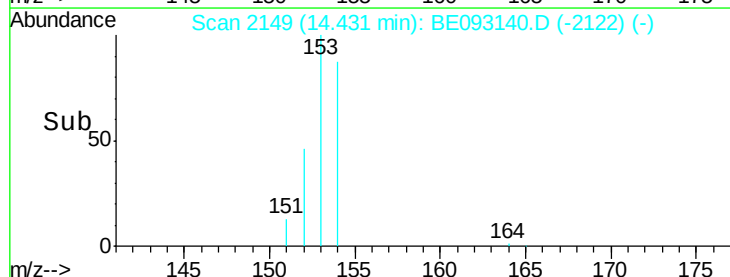
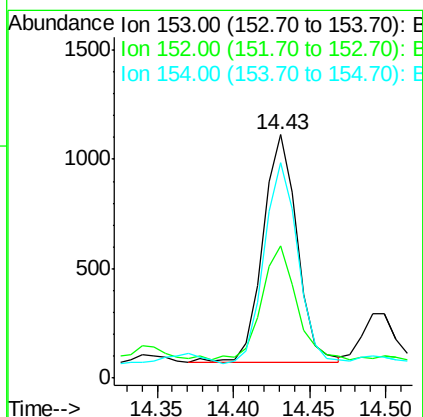
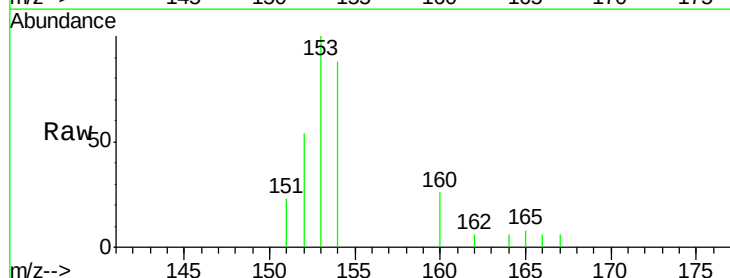
RT: 14.43 min Scan# 2149

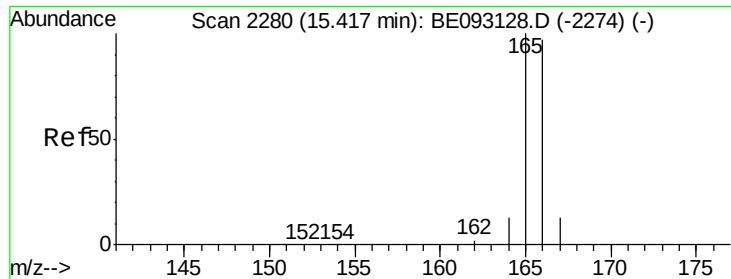
Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Tgt Ion:	153	Resp:	1605
Ion	Ratio	Lower	Upper
153	100		
152	54.4	40.3	60.5
154	88.5	71.4	107.2





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

F5D36

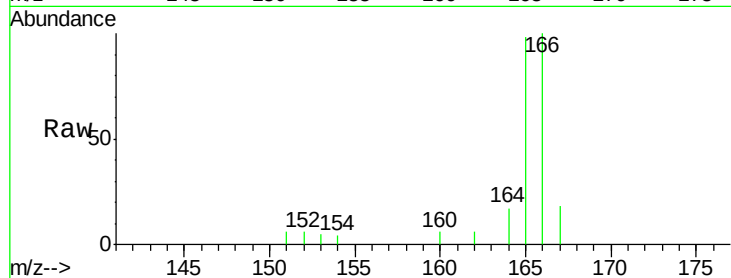
Tgt Ion:166 Resp: 2311

Ion Ratio Lower Upper

166 100

165 98.3 73.4 110.2

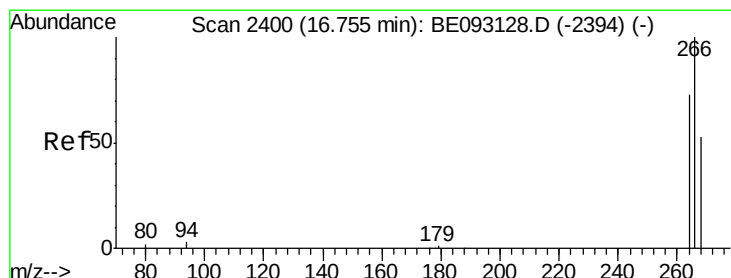
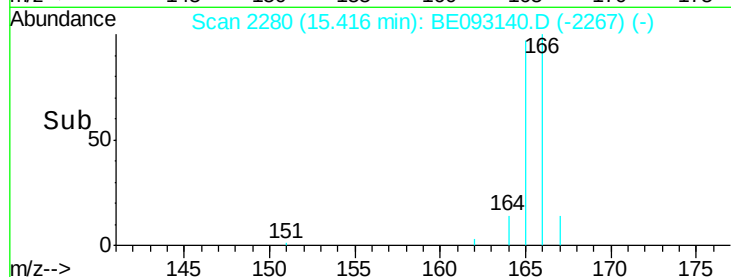
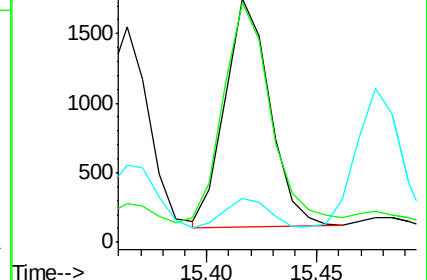
167 18.0 14.6 22.0



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: 0.02 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

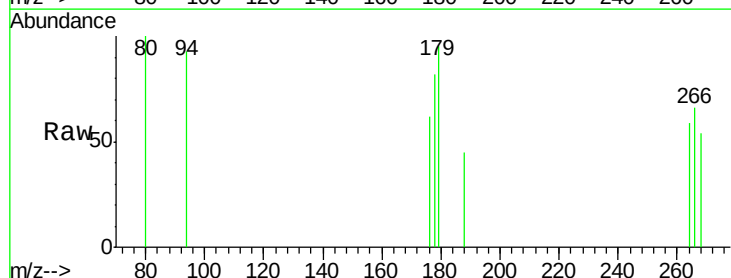
Tgt Ion:266 Resp: 86

Ion Ratio Lower Upper

266 100

264 76.7 47.9 71.9#

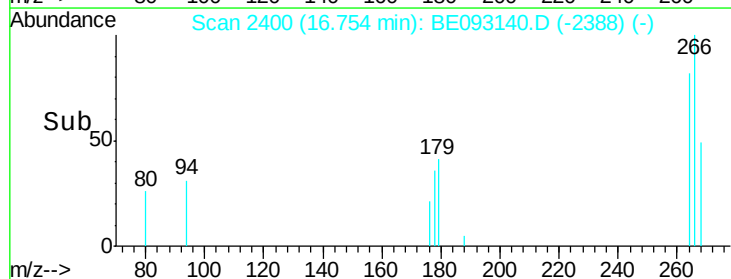
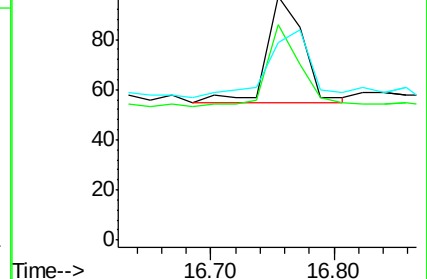
268 75.6 49.8 74.8#

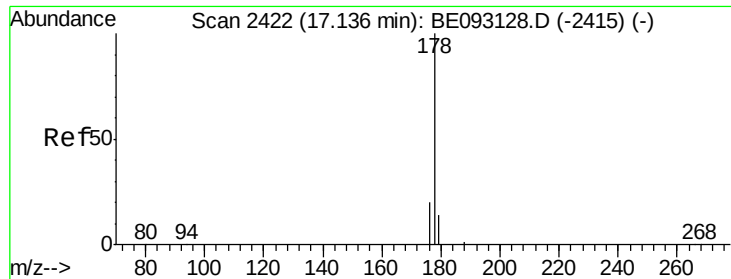


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

F5D36

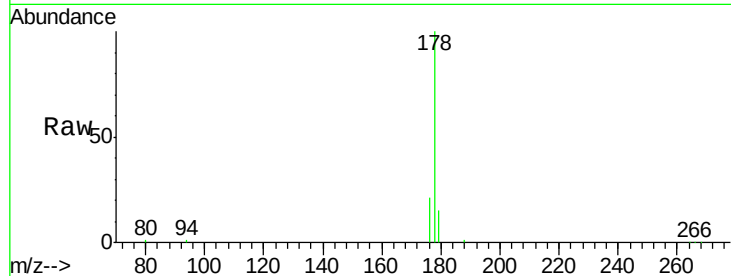
Tgt Ion:178 Resp: 17860

Ion Ratio Lower Upper

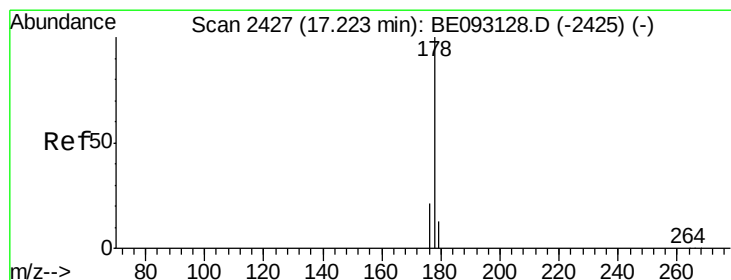
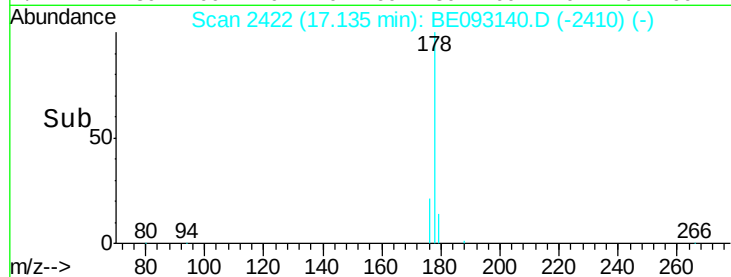
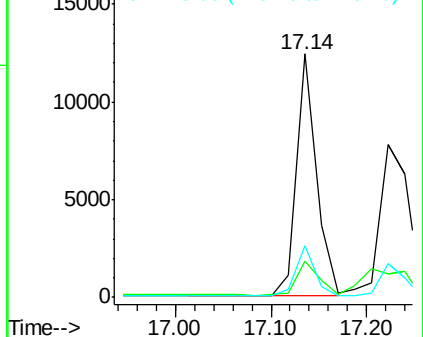
178 100

179 14.9 18.4 27.6#

176 21.2 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: 0.21 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

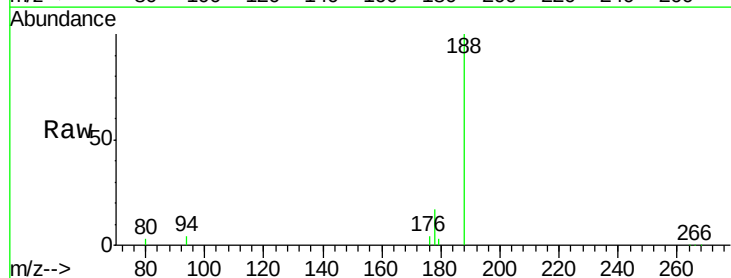
Tgt Ion:178 Resp: 16437

Ion Ratio Lower Upper

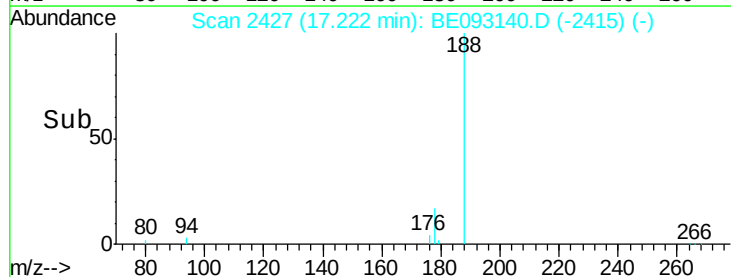
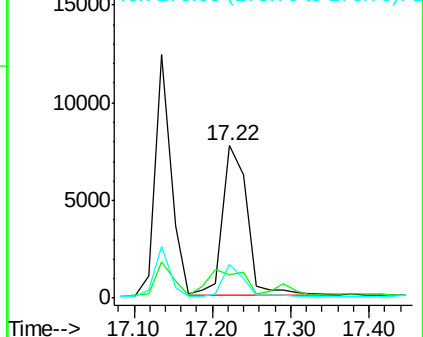
178 100

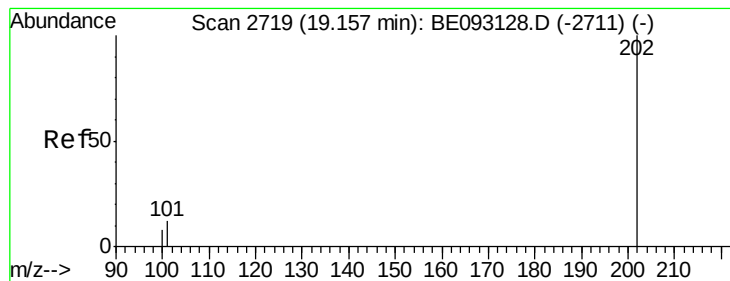
179 15.8 18.1 27.1#

176 22.3 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: 1.38 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

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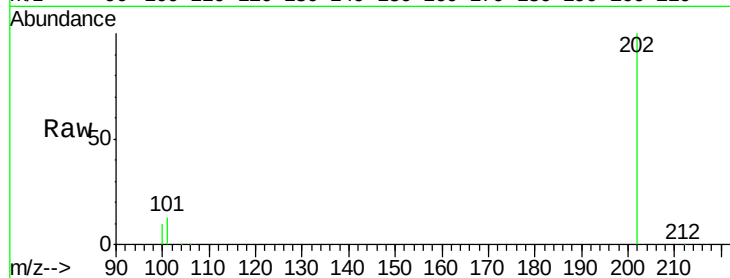
Tgt Ion:202 Resp: 151751

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.3

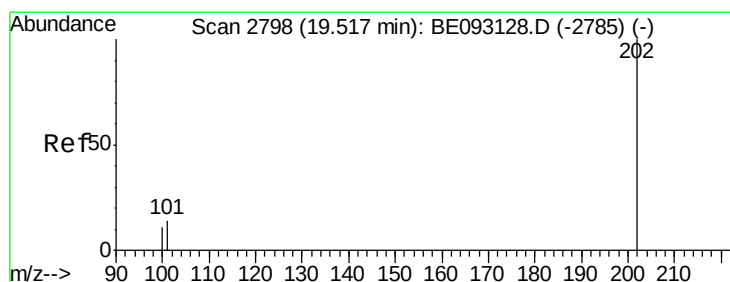
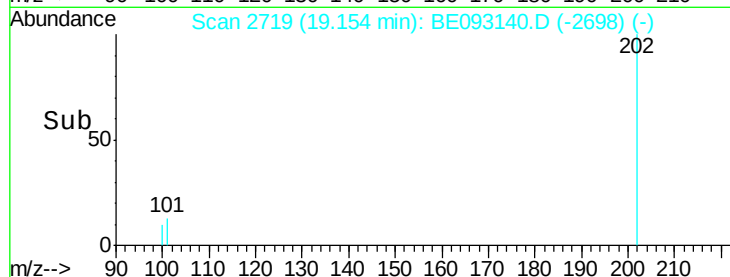
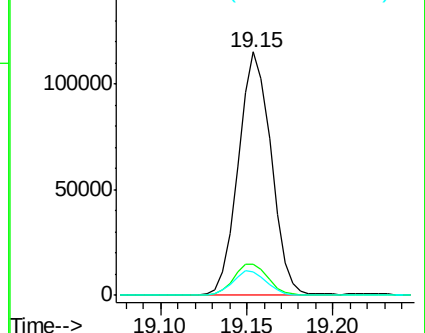
100 9.9 0.0 39.5



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: 1.57 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

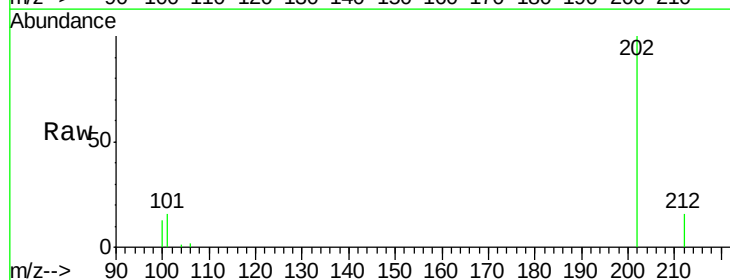
Tgt Ion:202 Resp: 164194

Ion Ratio Lower Upper

202 100

101 16.2 18.2 27.4#

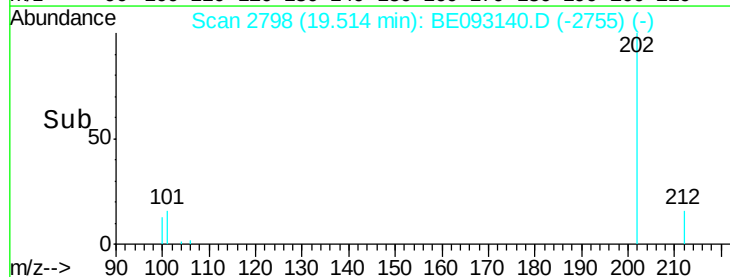
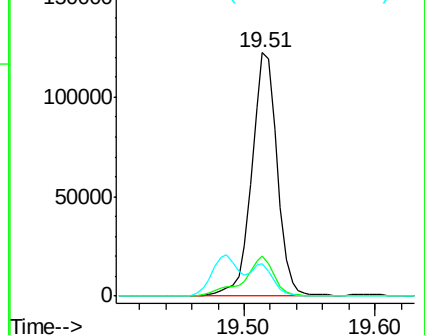
100 13.4 15.6 23.4#

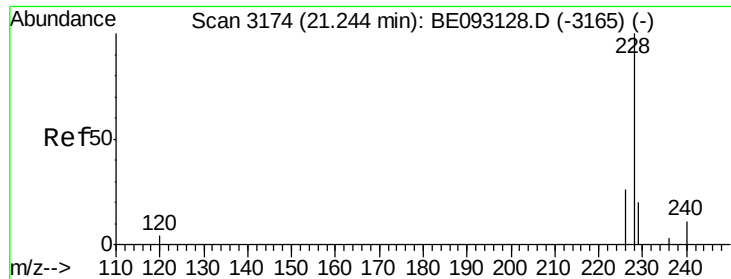


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.23 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

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ClientSampleId :

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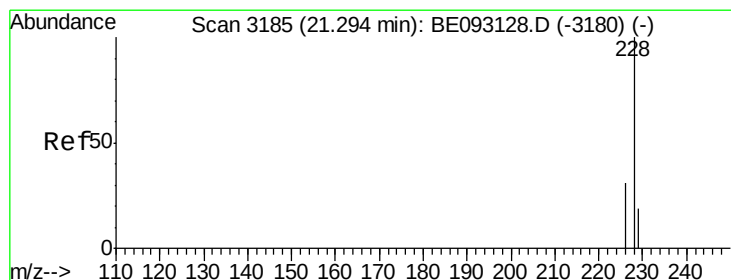
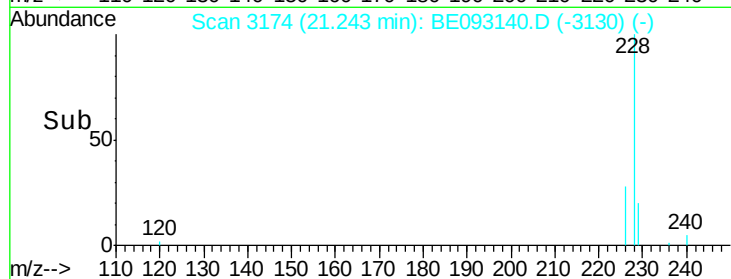
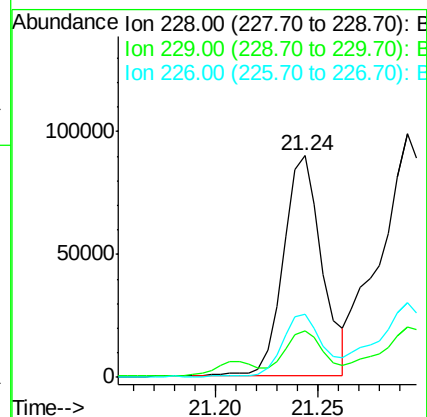
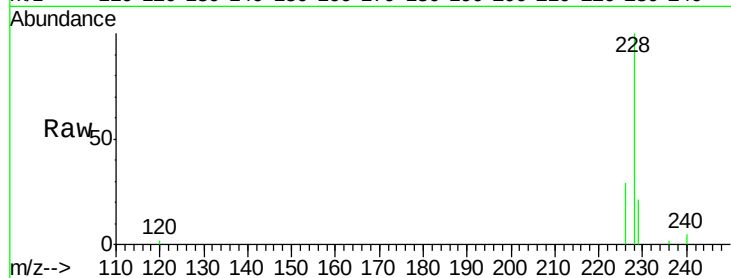
Tgt Ion:228 Resp: 116722

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

226 28.6 17.0 25.6#



#19

Chrysene

Concen: 1.62 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

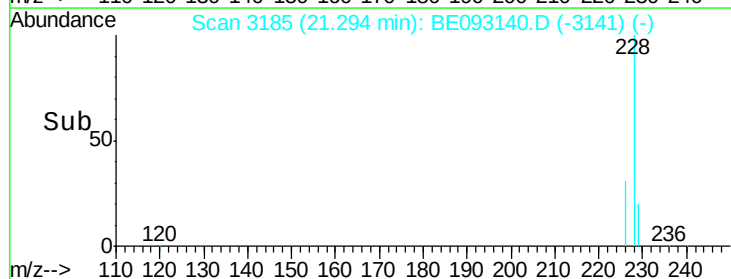
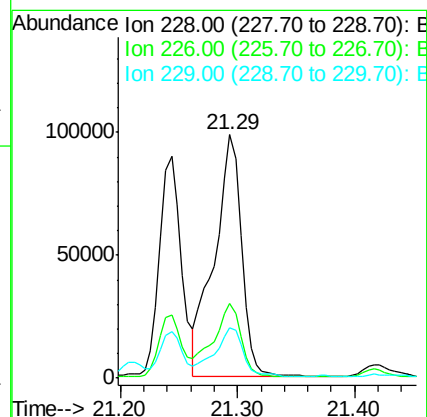
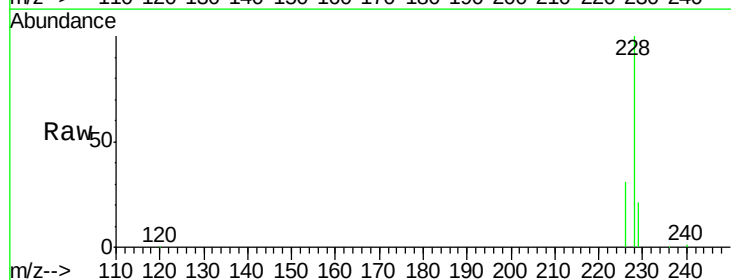
Tgt Ion:228 Resp: 159583

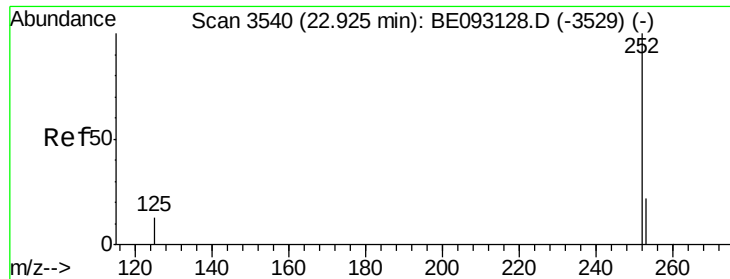
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 20.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.82 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

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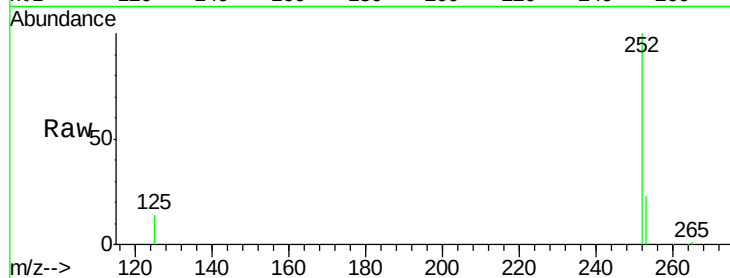
Tgt Ion:252 Resp: 333401

Ion Ratio Lower Upper

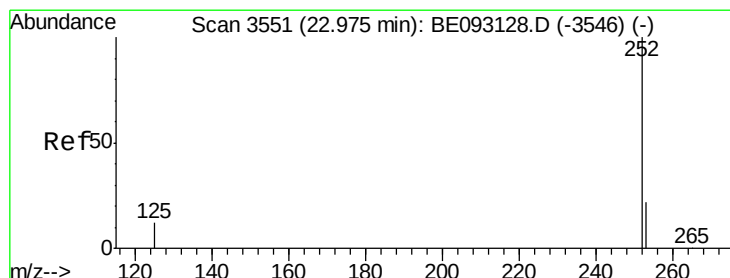
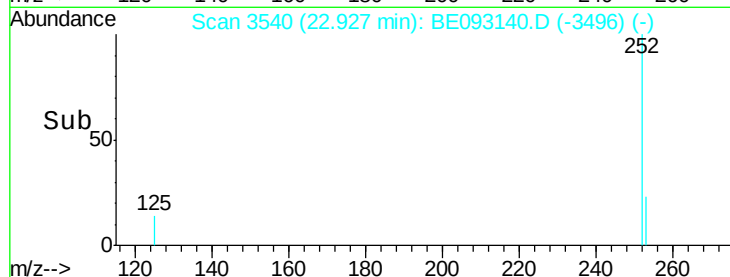
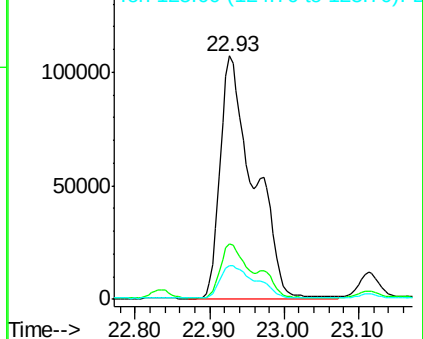
252 100

253 23.0 0.0 64.2

125 14.1 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: 0.16 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

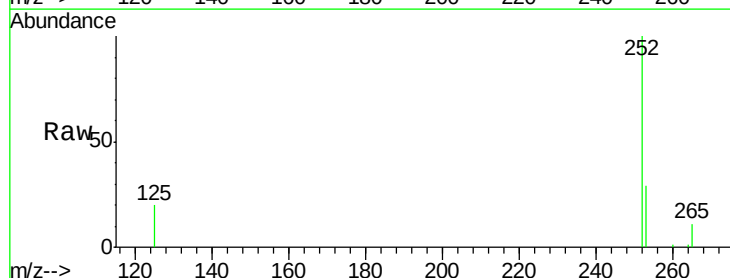
Tgt Ion:252 Resp: 20041

Ion Ratio Lower Upper

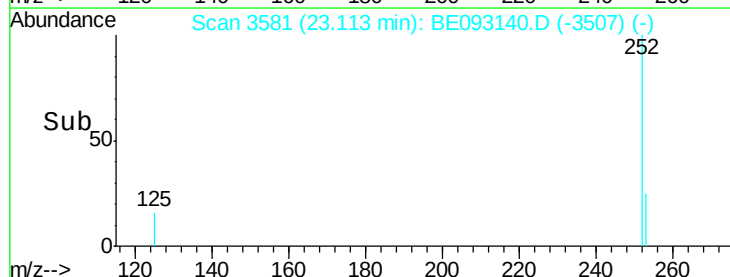
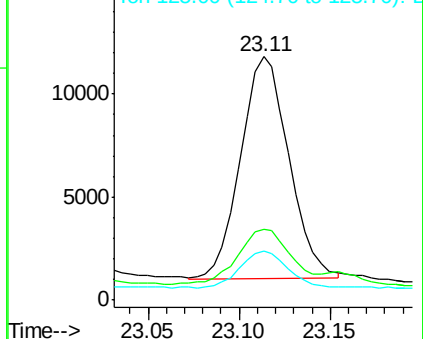
252 100

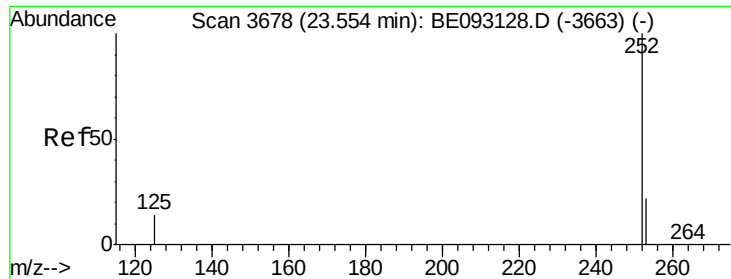
253 28.8 24.5 36.7

125 20.0 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: 1.11 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

F5D36

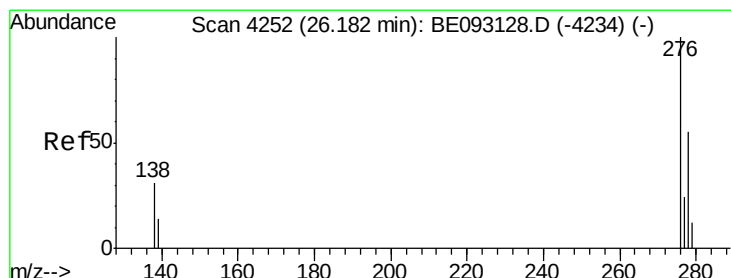
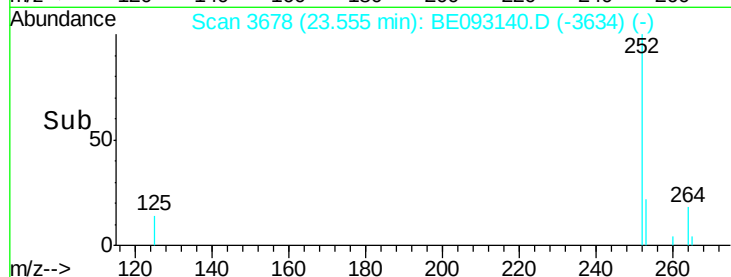
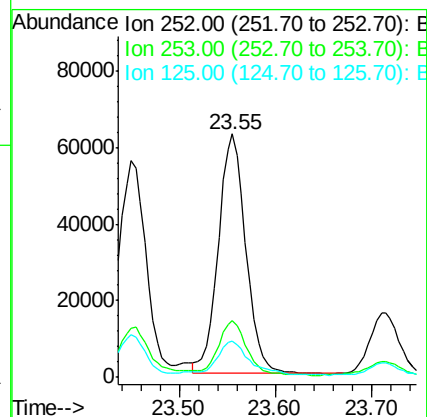
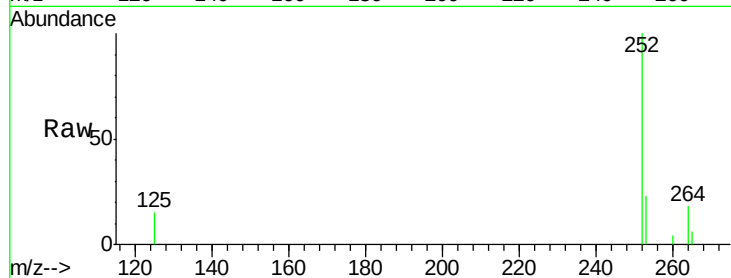
Tgt Ion:252 Resp: 123764

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

125 14.9 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.57 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.01 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

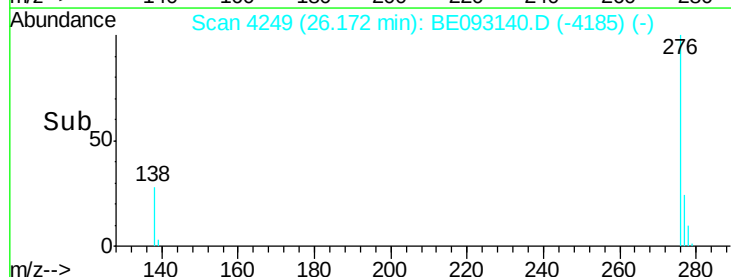
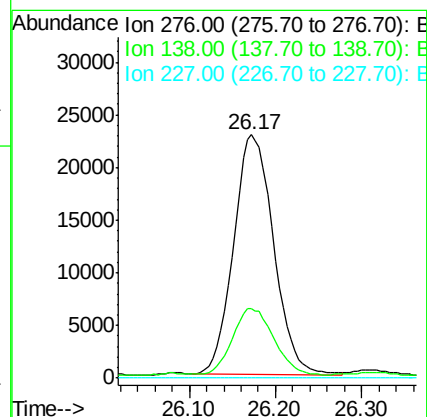
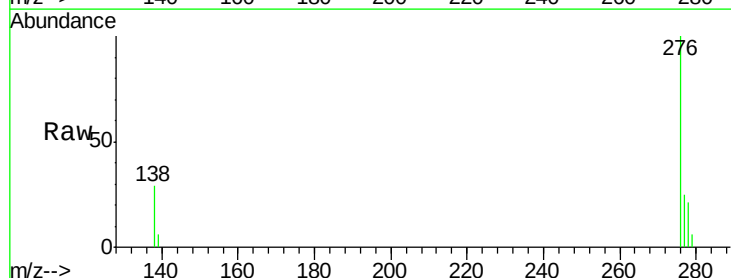
Tgt Ion:276 Resp: 73120

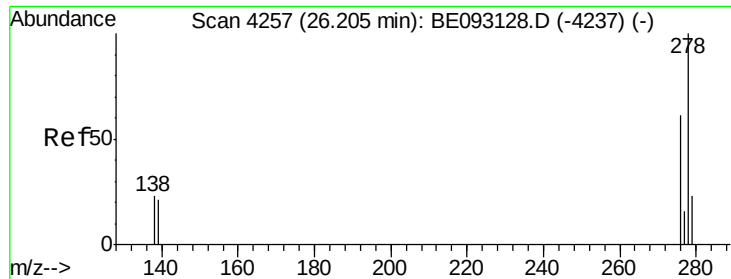
Ion Ratio Lower Upper

276 100

138 29.4 28.0 42.0

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.18 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. -0.02 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

Instrument :

BNA_E

ClientSampleId :

F5D36

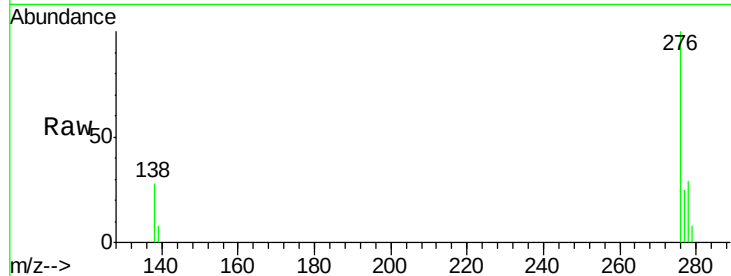
Tgt Ion: 278 Resp: 19673

Ion Ratio Lower Upper

278 100

139 28.1 17.4 26.0#

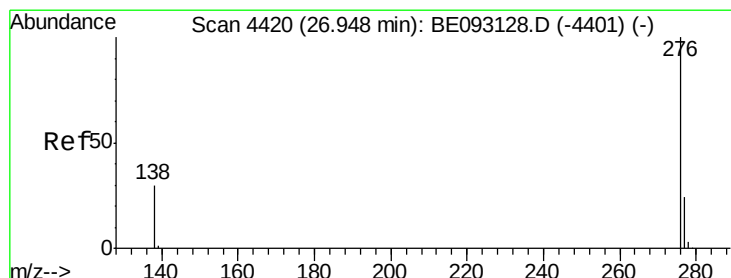
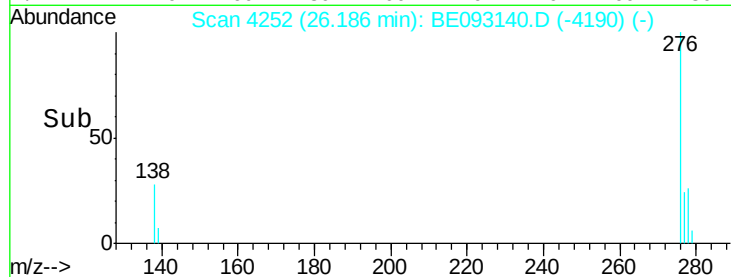
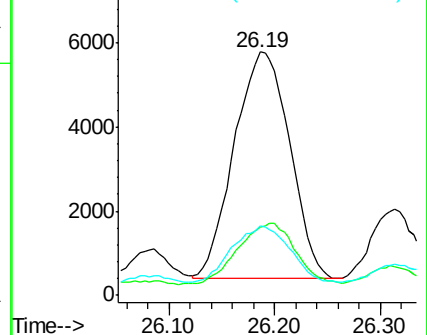
279 28.5 25.9 38.9



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: 0.57 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. 0.00 min

Lab File: BE093140.D

Acq: 13 Jun 2017 20:53

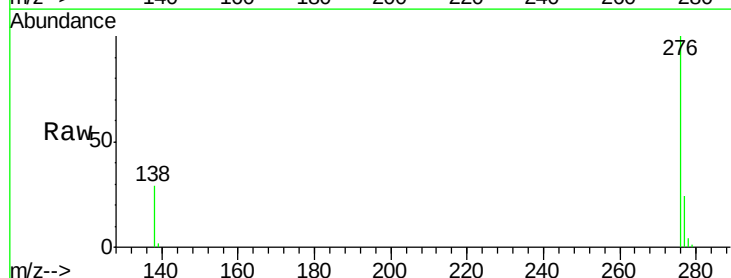
Tgt Ion: 276 Resp: 63228

Ion Ratio Lower Upper

276 100

138 28.8 21.8 32.8

277 24.3 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

