

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094600.D
 Acq On : 27 Oct 2017 17:40
 Operator : SJ/JU
 Sample : I5719-09MSD 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-25(0.5-1.5)-100517MSD

Quant Time: Oct 30 01:11:27 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 01:11:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1047	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6005	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3636	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7543	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	7343	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8230	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	709	0.07	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	1010	0.05	ng/ul	0.00

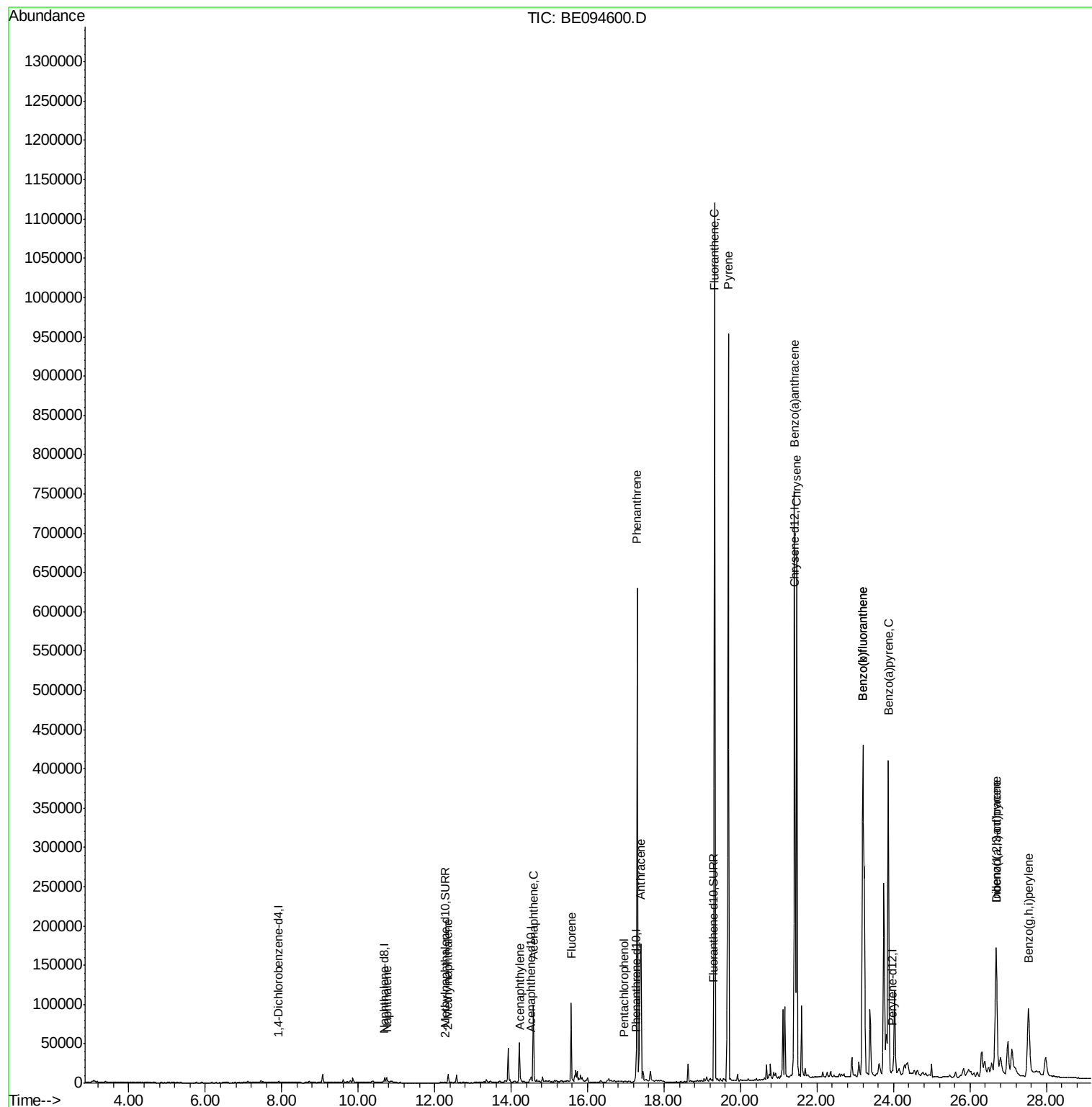
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	10178	0.69	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	9908	0.96	ng/ul	95
7) Acenaphthylene	14.24	152	4318	0.26	ng/ul#	77
8) Acenaphthene	14.58	153	57628	4.88	ng/ul	98
9) Fluorene	15.57	166	64539	4.86	ng/ul#	92
11) Pentachlorophenol	16.96	266	13	0.03	ng/ul#	20
12) Phenanthrene	17.29	178	858823	43.11	ng/ul#	84
13) Anthracene	17.40	178	261517	13.30	ng/ul#	92
15) Fluoranthene	19.32	202	1310387	56.89	ng/ul	84
17) Pyrene	19.68	202	1129688	49.76	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	741456	35.32	ng/ul#	86
19) Chrysene	21.47	228	651487	30.03	ng/ul	99
21) Benzo(b)fluoranthene	23.20	252	1144354	49.43	ng/ul	85
22) Benzo(k)fluoranthene	23.20	252	1144354	46.13	ng/ul#	87
23) Benzo(a)pyrene	23.86	252	645263	27.88	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.69	276	336108	14.04	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.68	278	86356	4.28	ng/ul	97
26) Benzo(g,h,i)perylene	27.53	276	254449	13.23	ng/ul	96

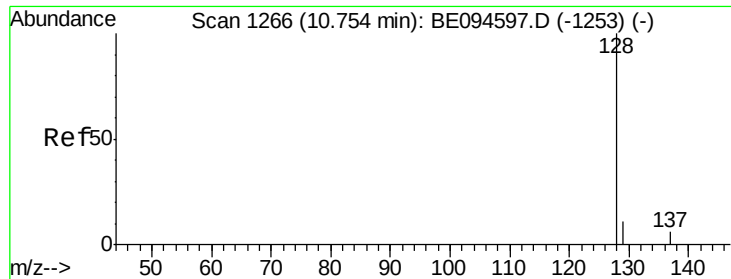
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.69 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MSD

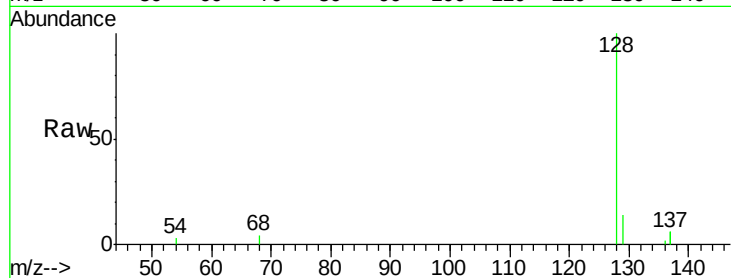
Tot Ion:128 Resp: 10178

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

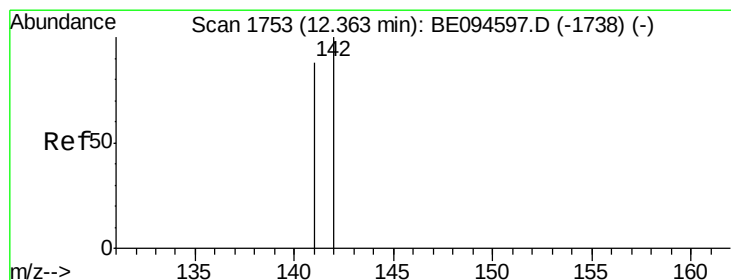
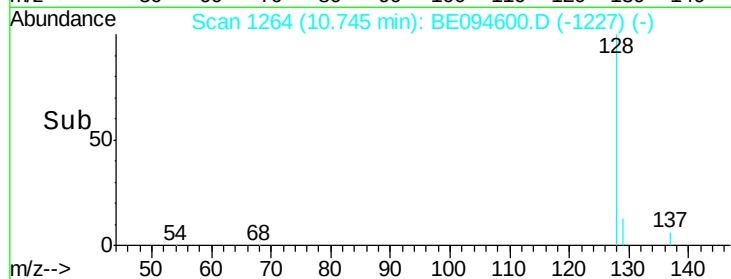
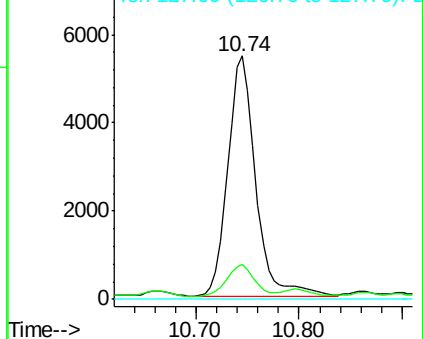
127 0.0 4.0 6.0#



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: 0.96 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094600.D

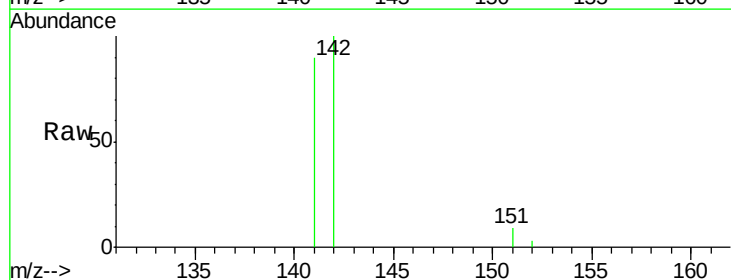
Acq: 27 Oct 2017 17:40

Tgt Ion:142 Resp: 9908

Ion Ratio Lower Upper

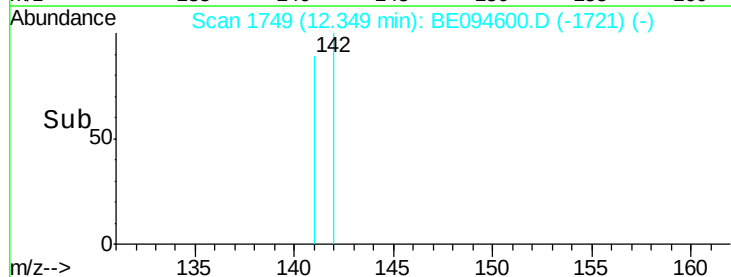
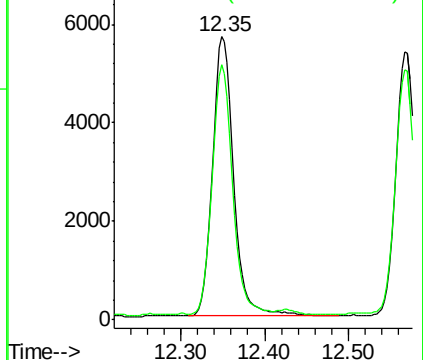
142 100

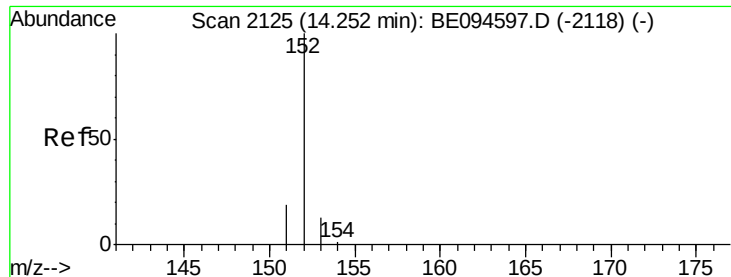
141 86.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.26 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MSD

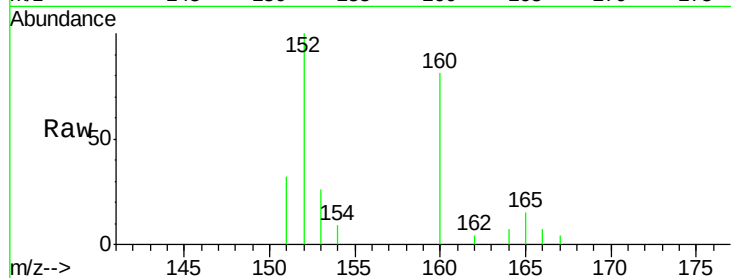
Tot Ion:152 Resp: 4318

Ion Ratio Lower Upper

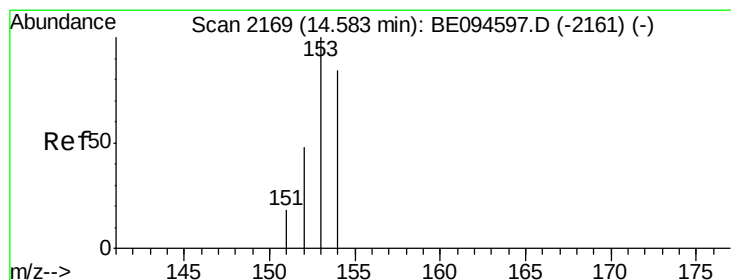
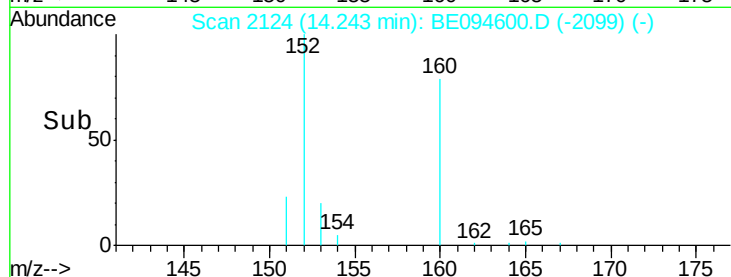
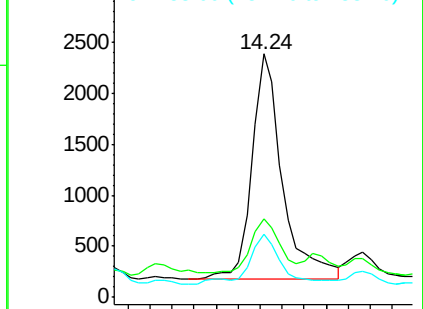
152 100

151 32.2 17.1 25.7#

153 26.0 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: 4.88 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

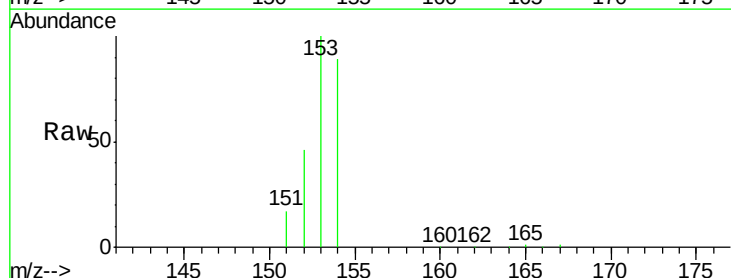
Tgt Ion:153 Resp: 57628

Ion Ratio Lower Upper

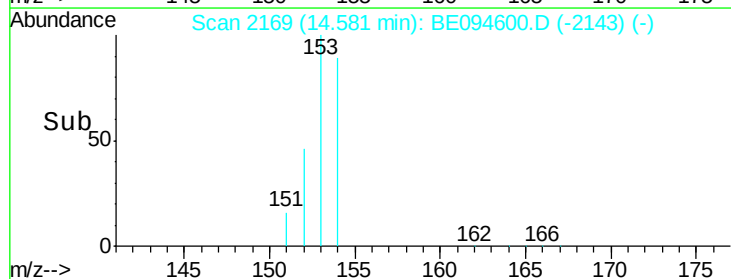
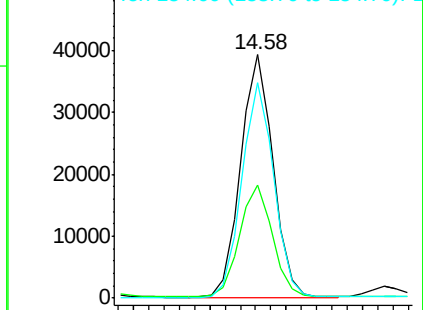
153 100

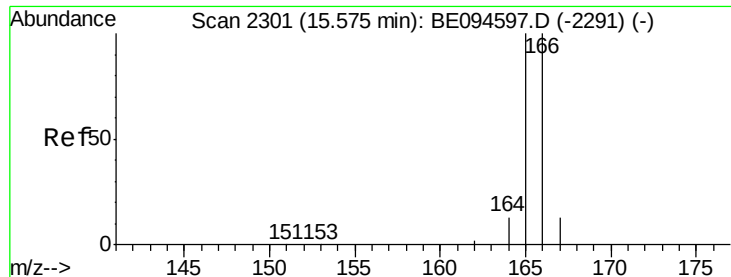
152 46.3 36.0 54.0

154 88.6 72.0 108.0



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: 4.86 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MSD

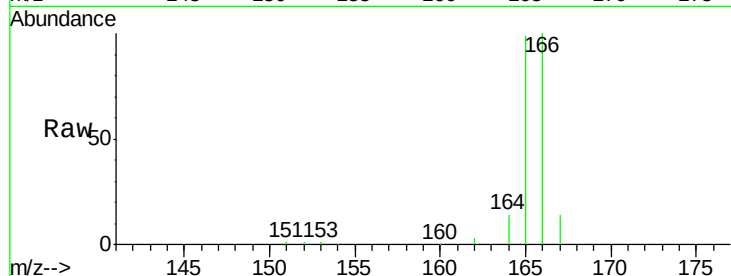
Tot Ion:166 Resp: 64539

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

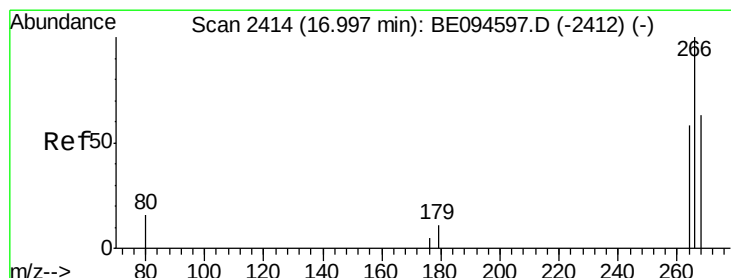
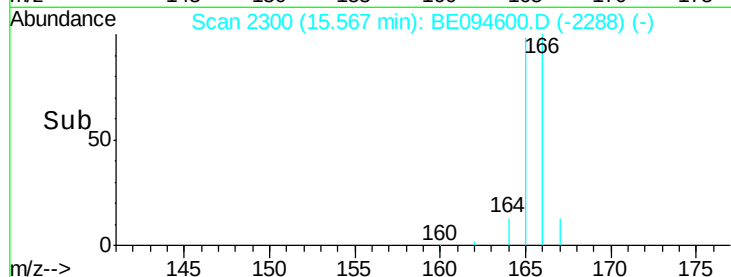
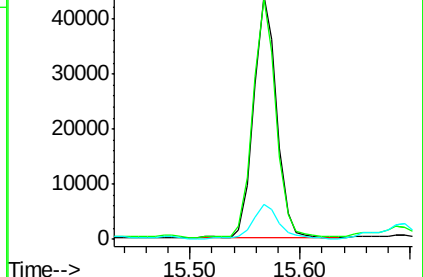
167 14.2 14.6 22.0#



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: 0.03 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

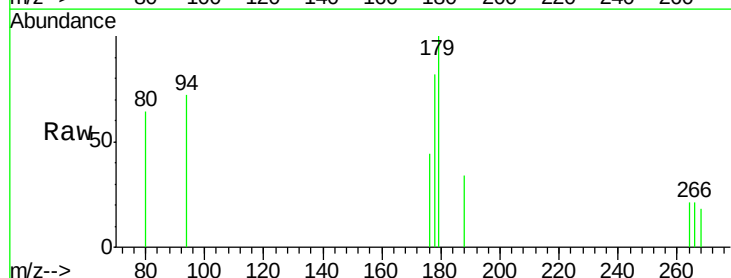
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

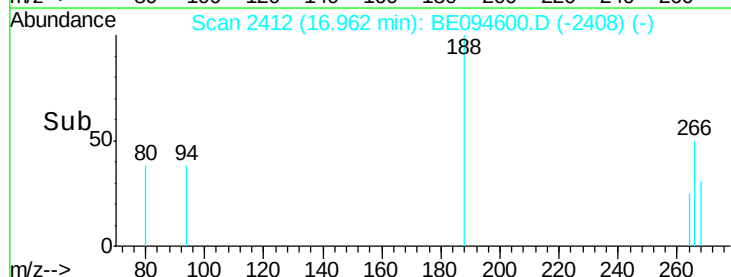
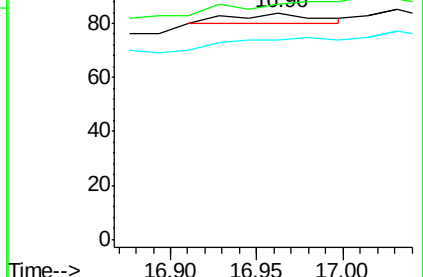
268 0.0 49.8 74.8#

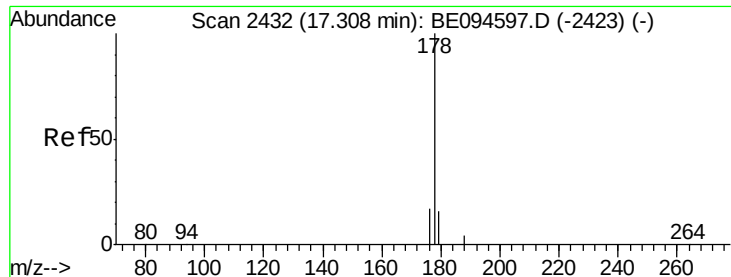


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 43.11 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

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ClientSampleId :

B-25(0.5-1.5)-100517MSD

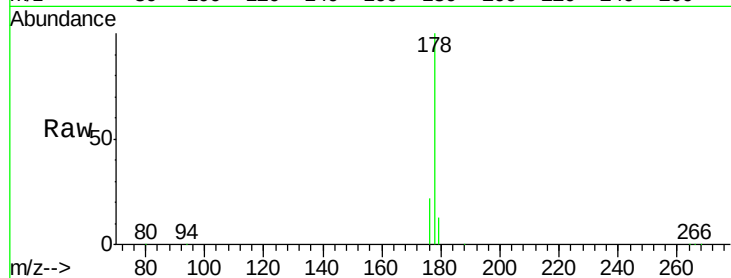
Tot Ion:178 Resp: 858823

Ion Ratio Lower Upper

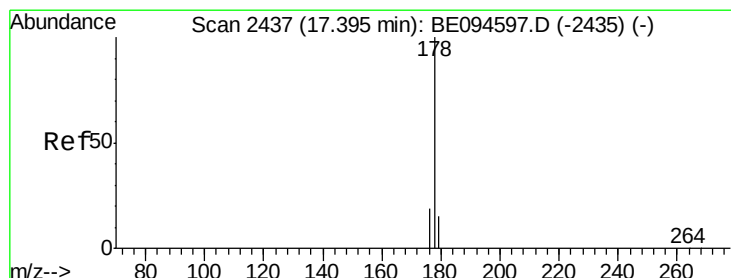
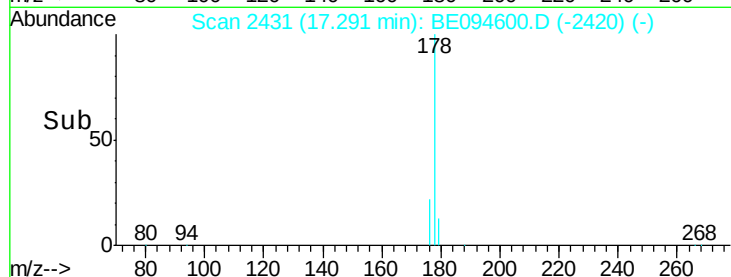
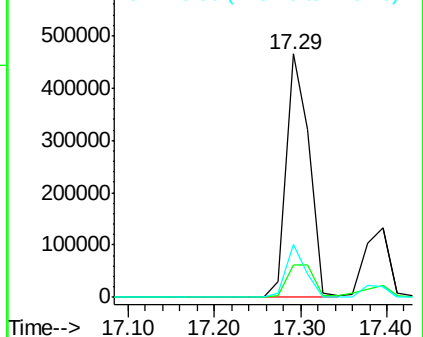
178 100

179 13.5 18.4 27.6#

176 21.6 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: 13.30 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

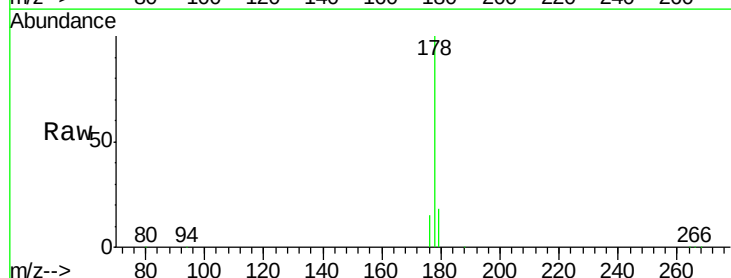
Tgt Ion:178 Resp: 261517

Ion Ratio Lower Upper

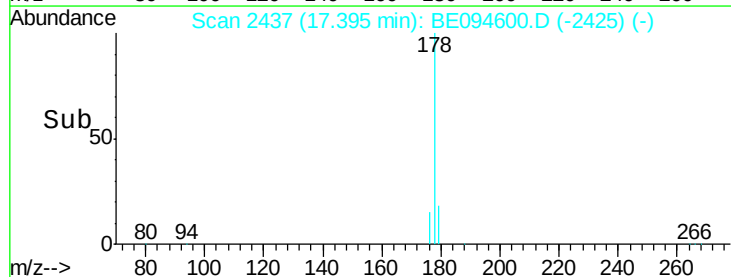
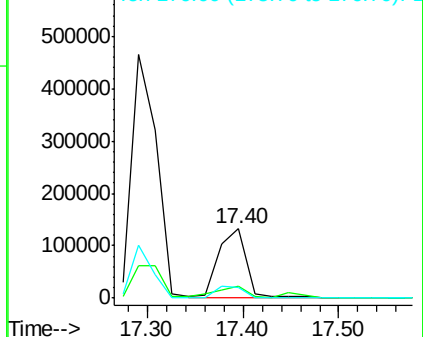
178 100

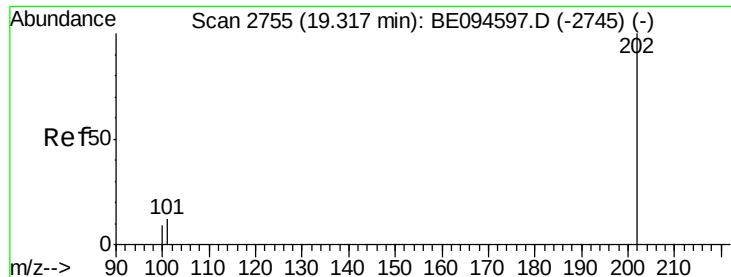
179 18.1 18.1 27.1#

176 15.1 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: 56.89 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MSD

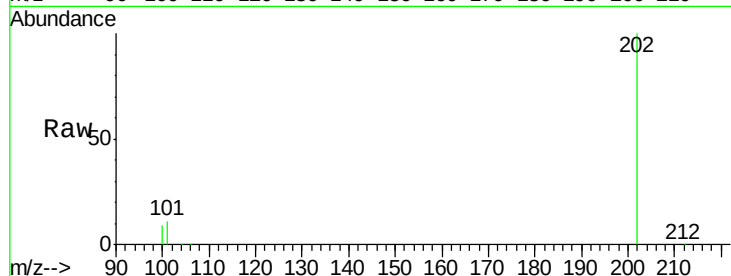
Tot Ion:202 Resp: 1310387

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

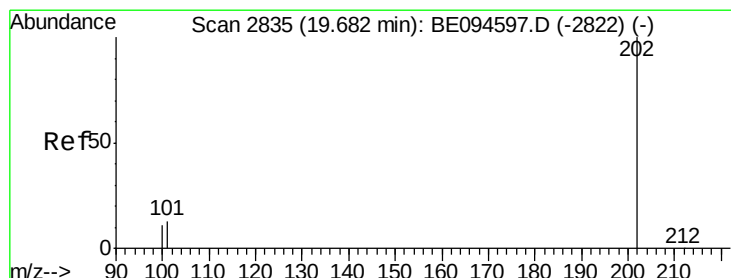
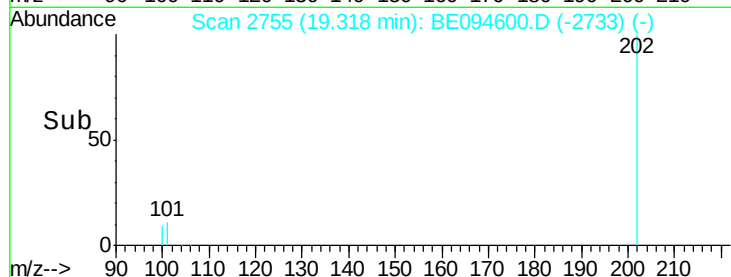
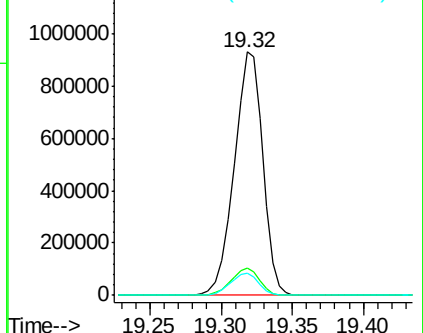
100 9.0 0.0 39.5



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: 49.76 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

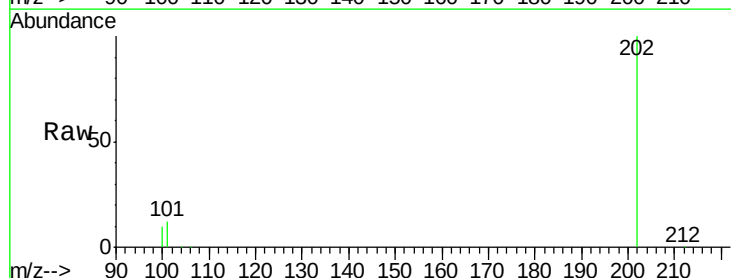
Tgt Ion:202 Resp: 1129688

Ion Ratio Lower Upper

202 100

101 12.0 18.2 27.4#

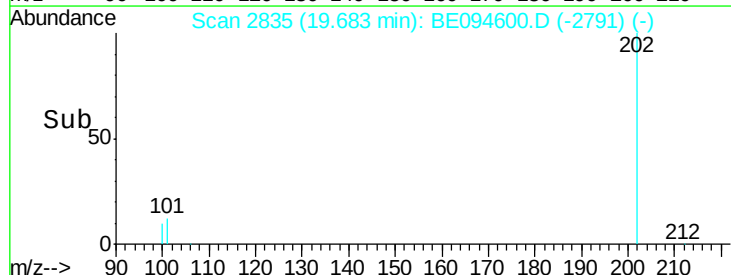
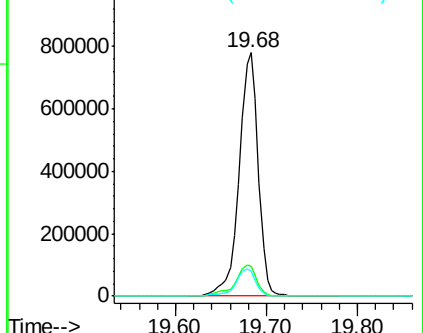
100 10.2 15.6 23.4#

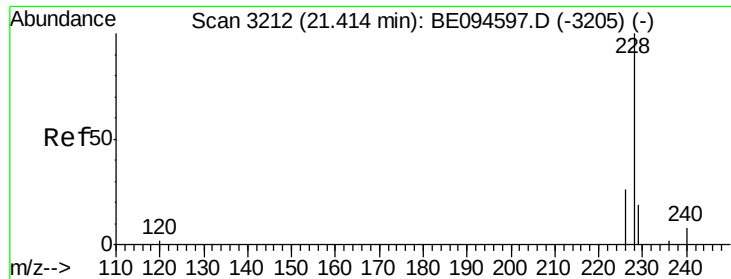


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

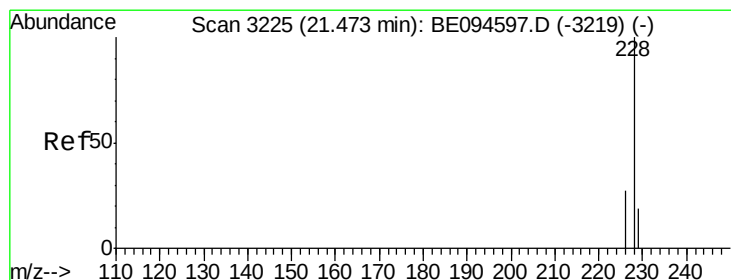
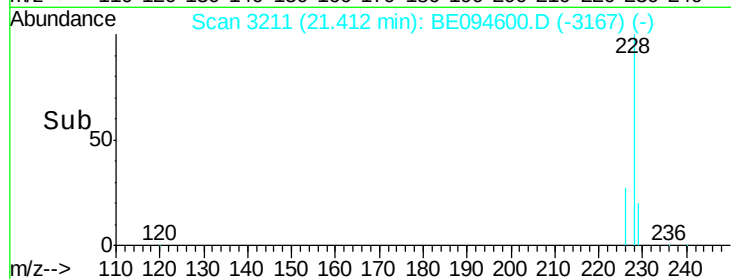
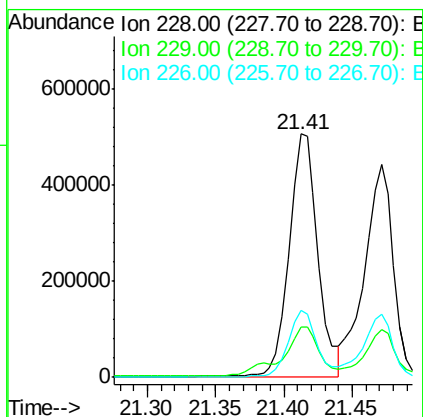
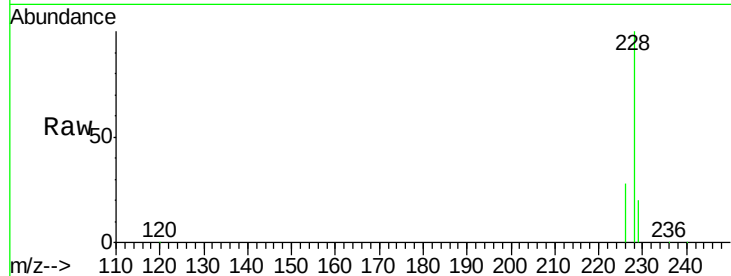




#18
Benzo(a)anthracene
Concen: 35.32 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

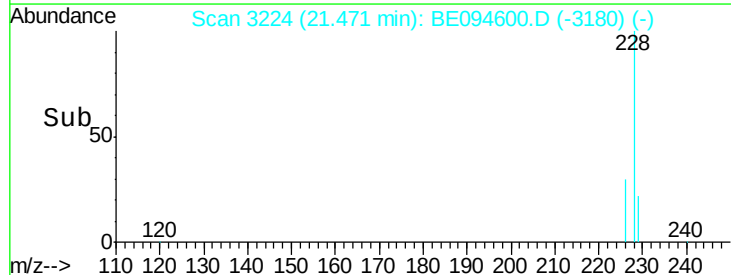
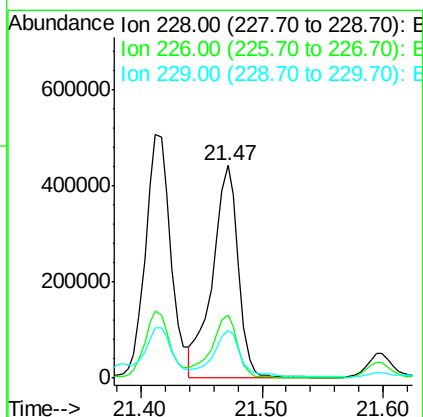
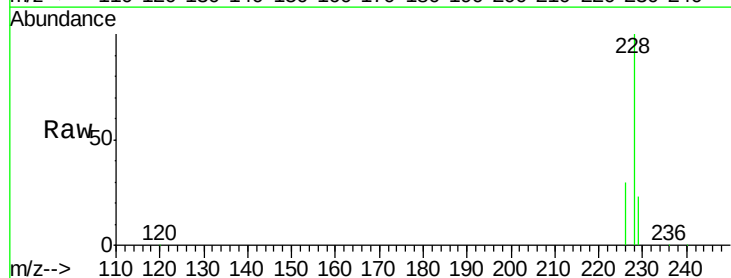
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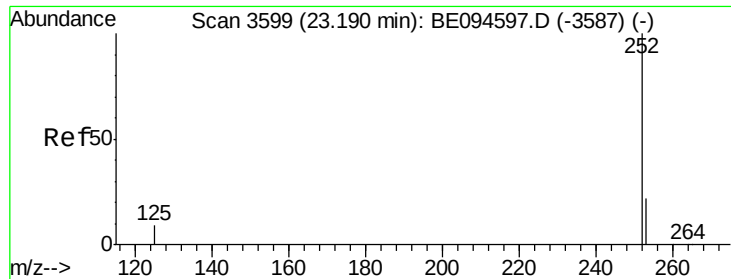
Tot Ion:228 Resp: 741456
Ion Ratio Lower Upper
228 100
229 20.5 22.8 34.2#
226 27.5 17.0 25.6#



#19
Chrysene
Concen: 30.03 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

Tgt Ion:228 Resp: 651487
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 22.8 17.7 26.5

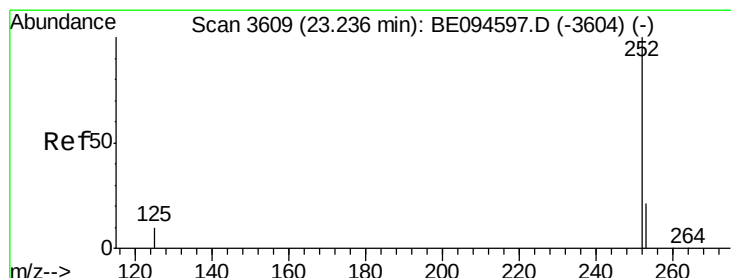
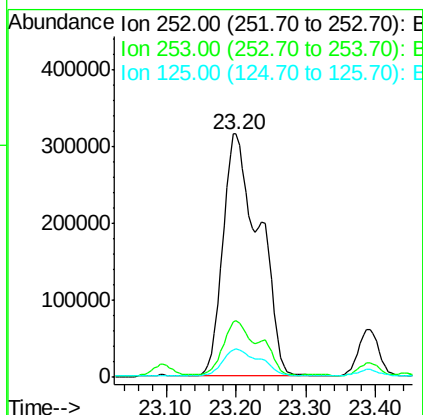
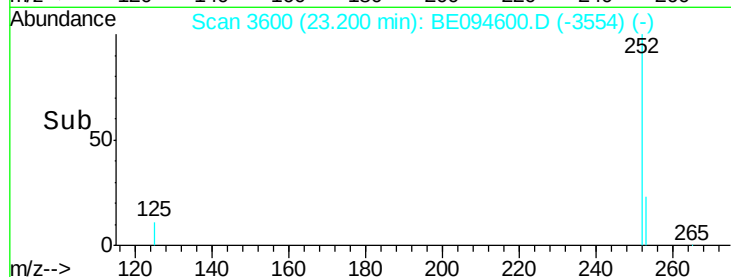
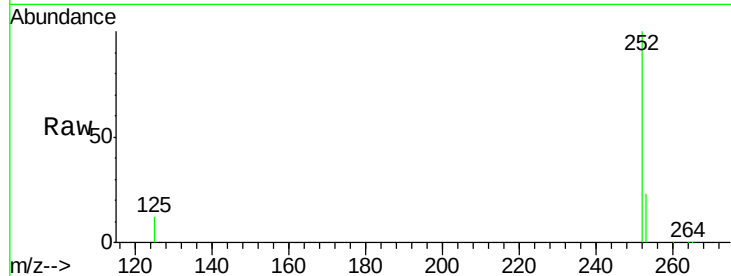




#21
Benzo(b)fluoranthene
Concen: 49.43 ng/ul
RT: 23.20 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

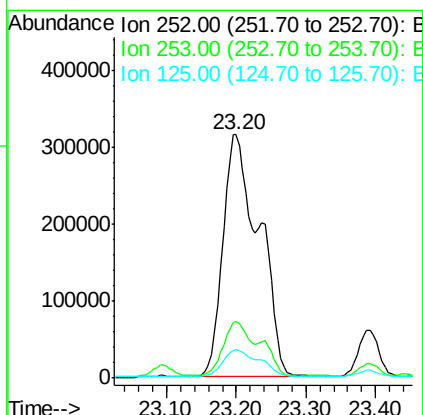
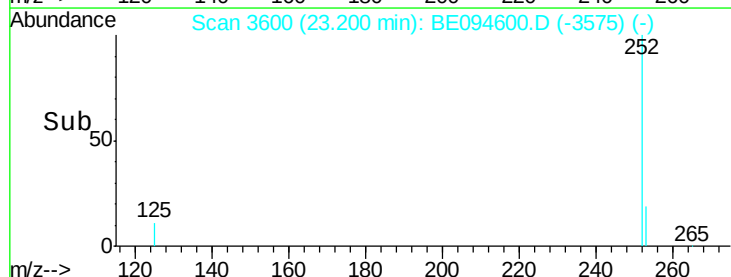
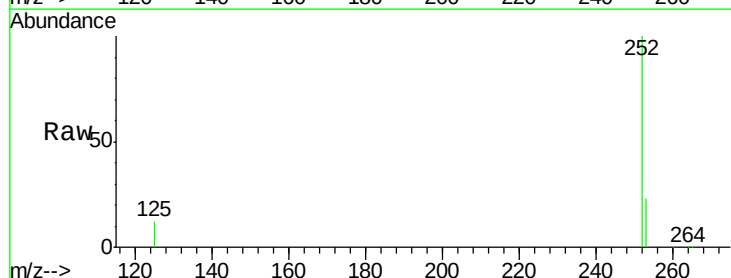
Instrument :
BNA_E
ClientSampleId :
B-25(0.5-1.5)-100517MSD

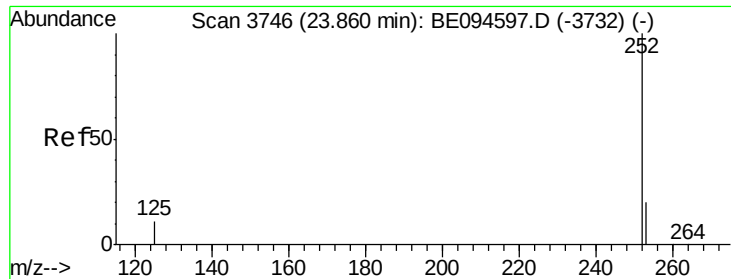
Tot Ion:252 Resp: 1144354
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 11.5 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 46.13 ng/ul
RT: 23.20 min Scan# 3600
Delta R.T. -0.04 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

Tgt Ion:252 Resp: 1144354
Ion Ratio Lower Upper
252 100
253 23.4 24.5 36.7#
125 11.5 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 27.88 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MSD

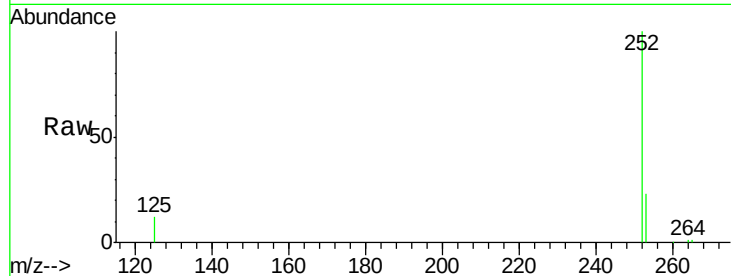
Tot Ion:252 Resp: 645263

Ion Ratio Lower Upper

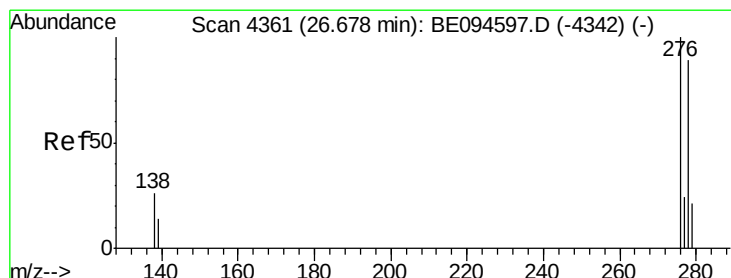
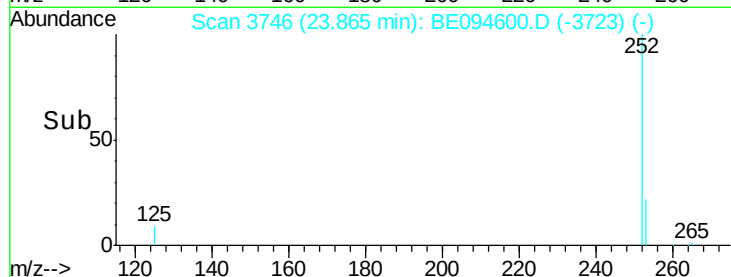
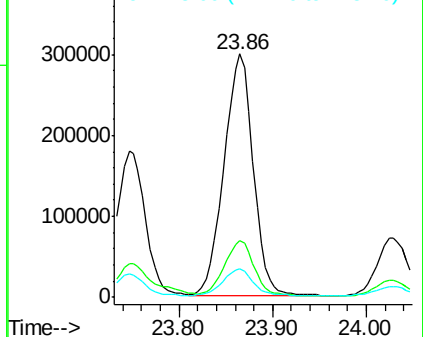
252 100

253 23.4 28.5 42.7#

125 11.6 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: 14.04 ng/ul

RT: 26.69 min Scan# 4363

Delta R.T. 0.01 min

Lab File: BE094600.D

Acq: 27 Oct 2017 17:40

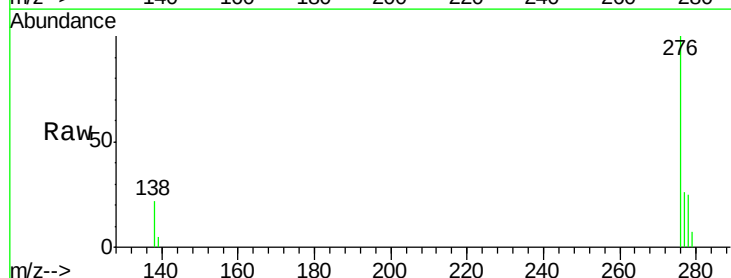
Tgt Ion:276 Resp: 336108

Ion Ratio Lower Upper

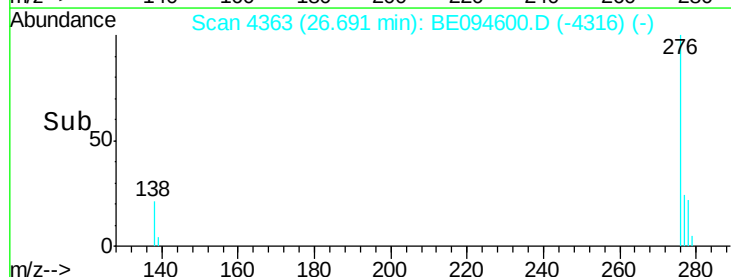
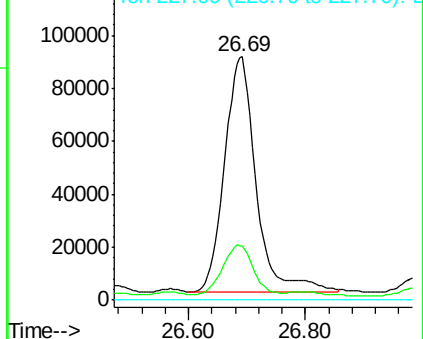
276 100

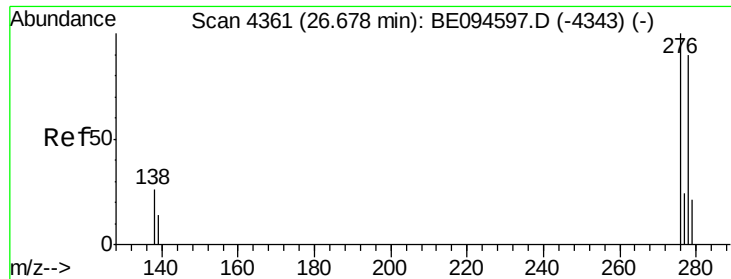
138 19.9 28.0 42.0#

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



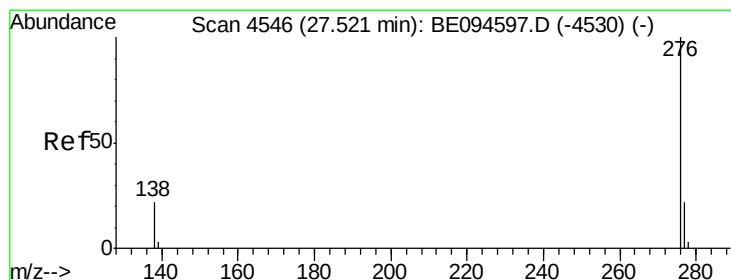
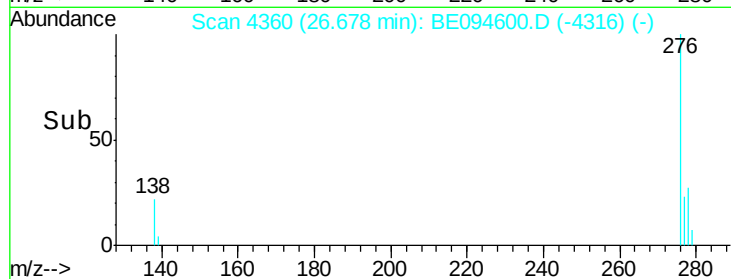
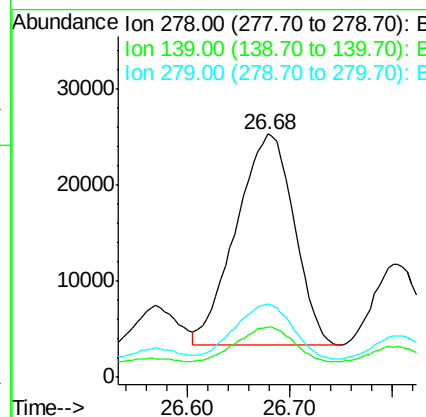
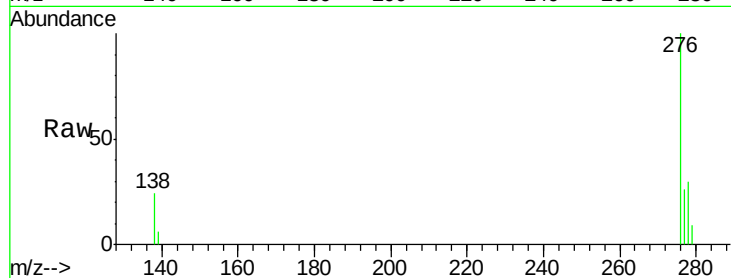


#25
Dibenzo(a,h)anthracene
Concen: 4.28 ng/ul
RT: 26.68 min Scan# 4360
Delta R.T. 0.00 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

Instrument :
BNA_E
ClientSampleId :
B-25(0.5-1.5)-100517MSD

Tot Ion:278 Resp: 86356

Ion	Ratio	Lower	Upper
278	100		
139	20.8	17.4	26.0
279	30.0	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 13.23 ng/ul
RT: 27.53 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BE094600.D
Acq: 27 Oct 2017 17:40

Tgt Ion:276 Resp: 254449

Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.8	32.8
277	26.1	20.5	30.7

