

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094599.D
 Acq On : 27 Oct 2017 17:02
 Operator : SJ/JU
 Sample : I5719-08MS 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 30 01:11:17 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	1056	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	5985	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3577	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7767	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	7545	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8717	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	548	0.06	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	947	0.04	ng/ul	0.00

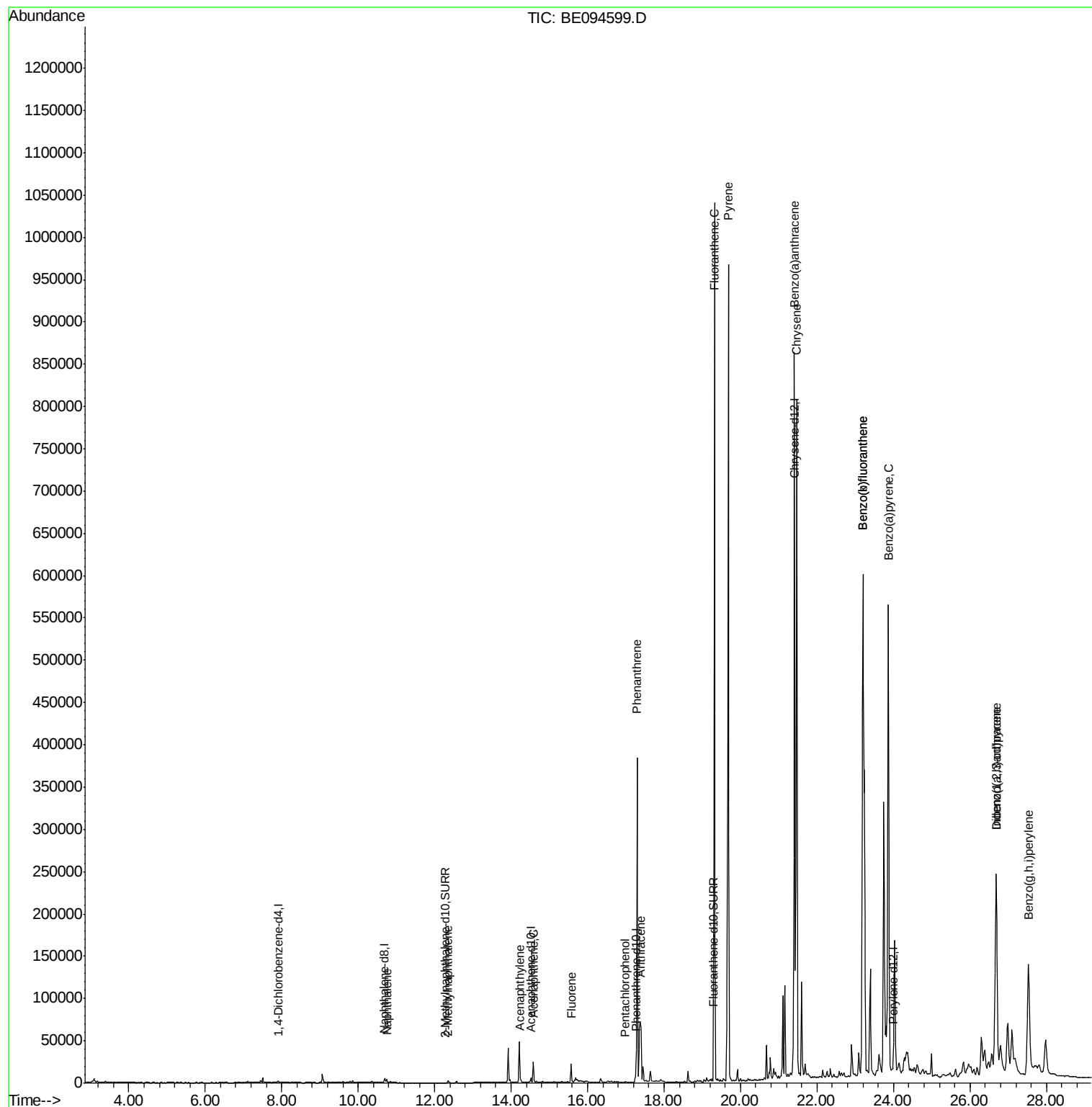
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	6296	0.43	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2737	0.27	ng/ul	99
7) Acenaphthylene	14.24	152	3597	0.22	ng/ul#	86
8) Acenaphthene	14.58	153	14622	1.26	ng/ul	99
9) Fluorene	15.57	166	14128	1.08	ng/ul	93
11) Pentachlorophenol	16.98	266	27	0.07	ng/ul#	64
12) Phenanthrene	17.29	178	447005	21.79	ng/ul#	87
13) Anthracene	17.38	178	104107	5.14	ng/ul#	90
15) Fluoranthene	19.32	202	1204136	50.77	ng/ul	83
17) Pyrene	19.68	202	1124264	48.20	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	873877	40.52	ng/ul#	86
19) Chrysene	21.47	228	781162	35.04	ng/ul	99
21) Benzo(b)fluoranthene	23.20	252	1575769	64.26	ng/ul	84
22) Benzo(k)fluoranthene	23.20	252	1575769	59.97	ng/ul#	86
23) Benzo(a)pyrene	23.86	252	916657	37.40	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.69	276	490898	19.36	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.68	278	123643	5.79	ng/ul	96
26) Benzo(g,h,i)perylene	27.53	276	380098	18.66	ng/ul	96

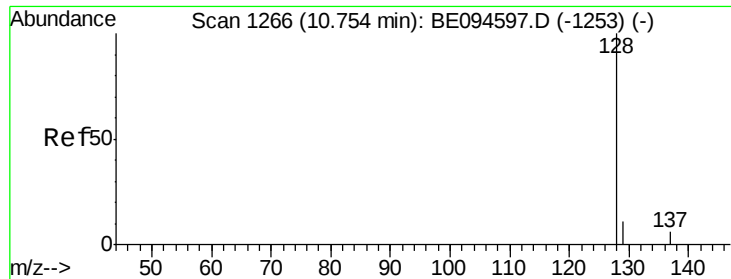
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.43 ng/ul

RT: 10.75 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MS

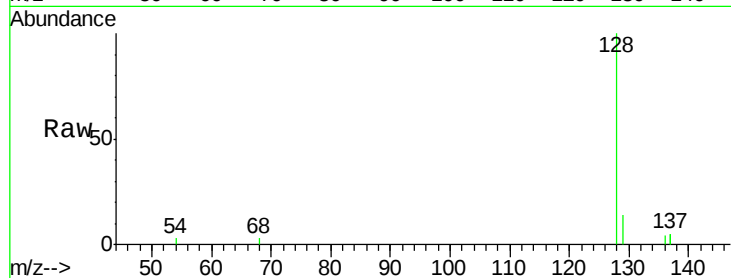
Tot Ion:128 Resp: 6296

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

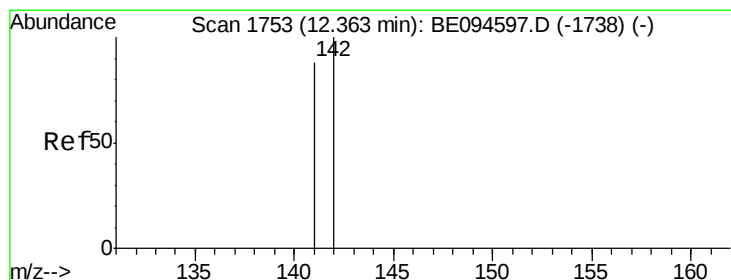
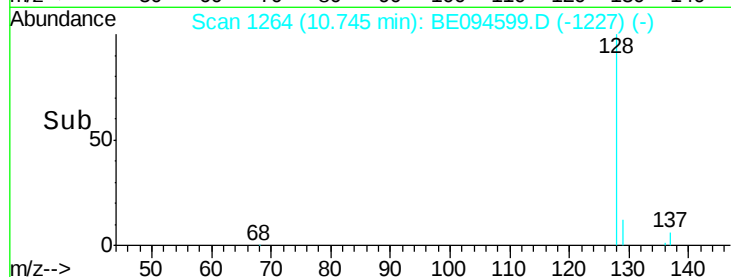
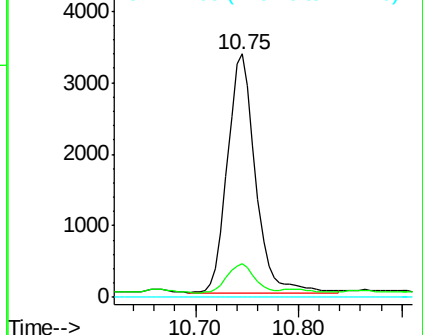
127 0.0 4.0 6.0#



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: 0.27 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094599.D

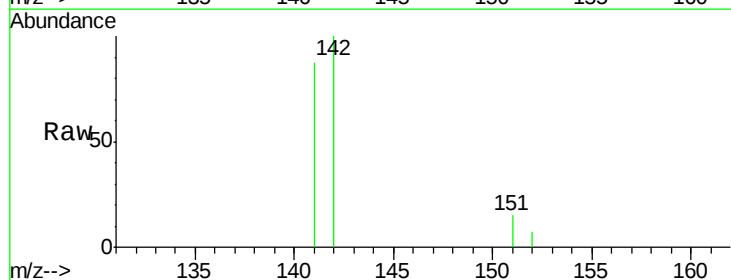
Acq: 27 Oct 2017 17:02

Tgt Ion:142 Resp: 2737

Ion Ratio Lower Upper

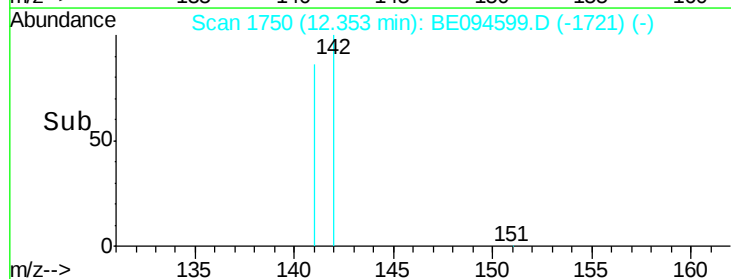
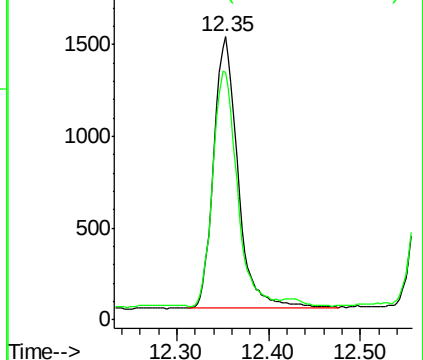
142 100

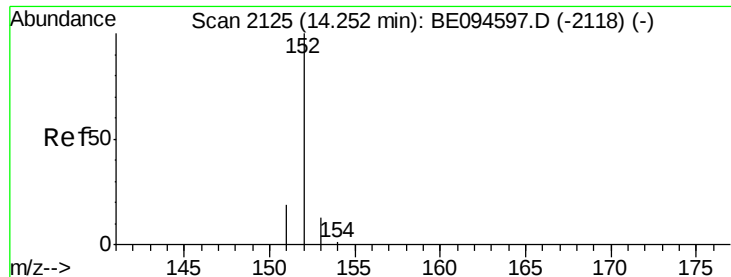
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MS

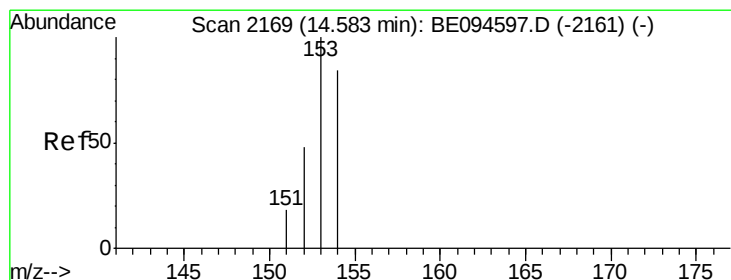
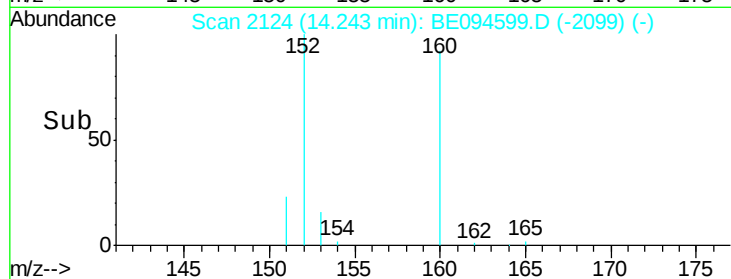
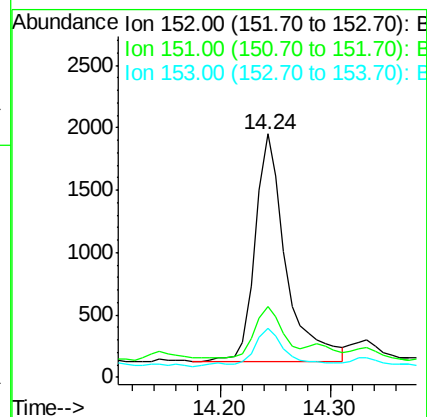
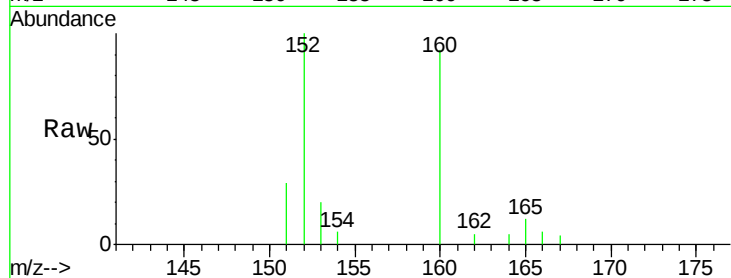
Tot Ion:152 Resp: 3597

Ion Ratio Lower Upper

152 100

151 29.3 17.1 25.7#

153 20.1 12.8 19.2#



#8

Acenaphthene

Concen: 1.26 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

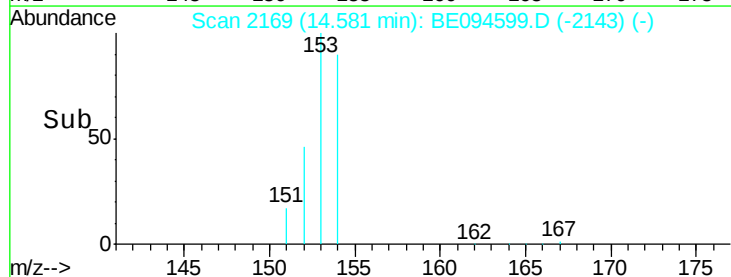
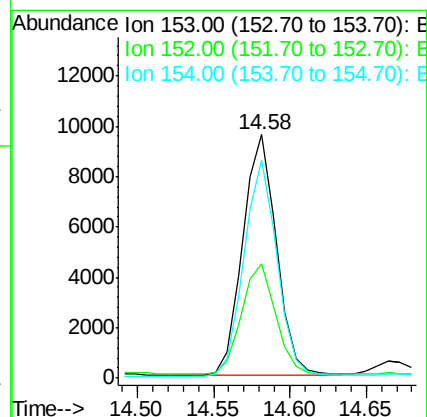
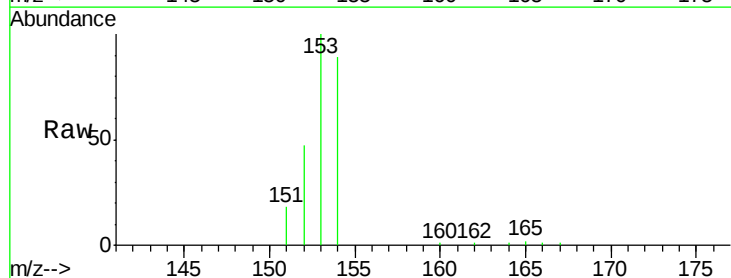
Tgt Ion:153 Resp: 14622

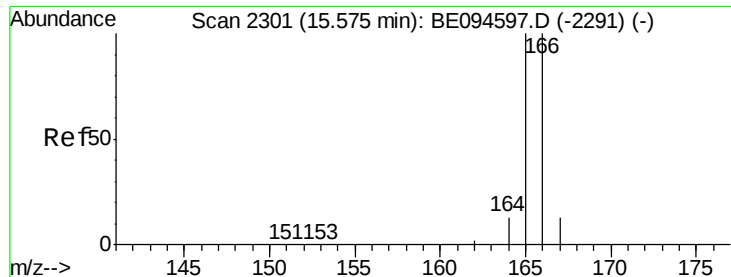
Ion Ratio Lower Upper

153 100

152 47.0 36.0 54.0

154 89.4 72.0 108.0

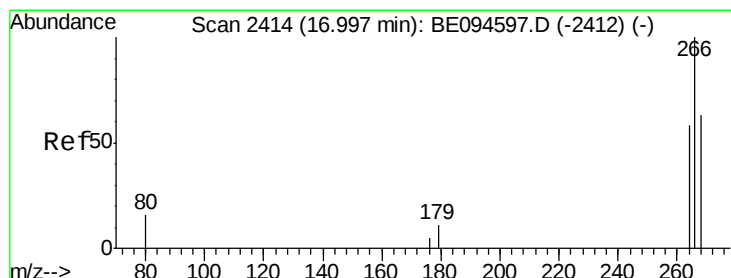
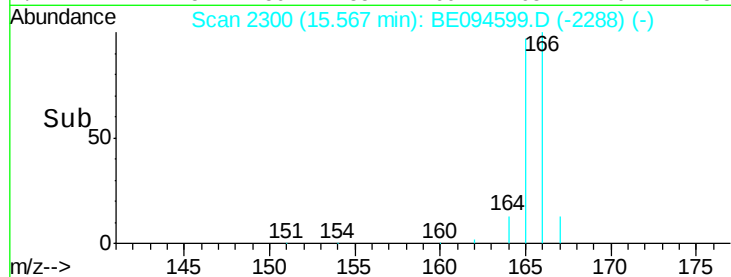
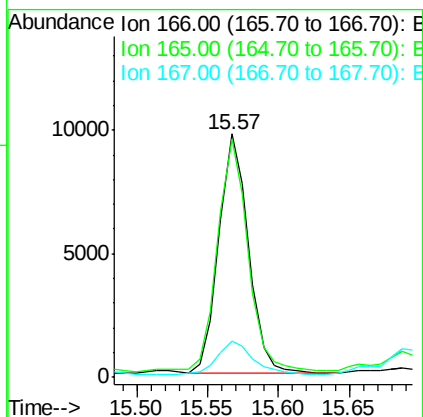
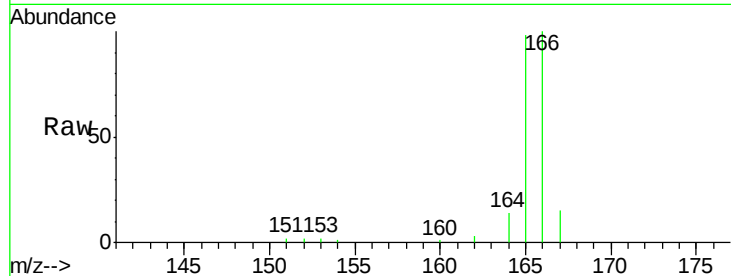




#9
Fluorene
 Concen: 1.08 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094599.D
 Acq: 27 Oct 2017 17:02

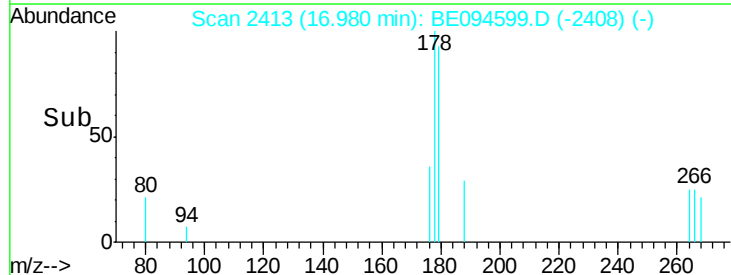
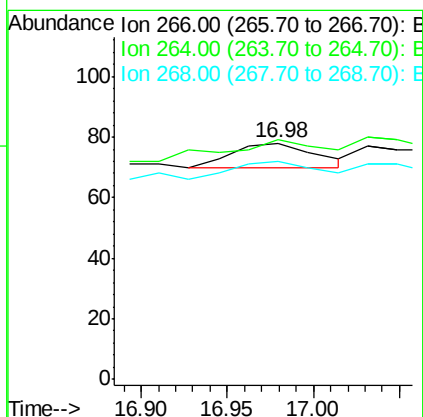
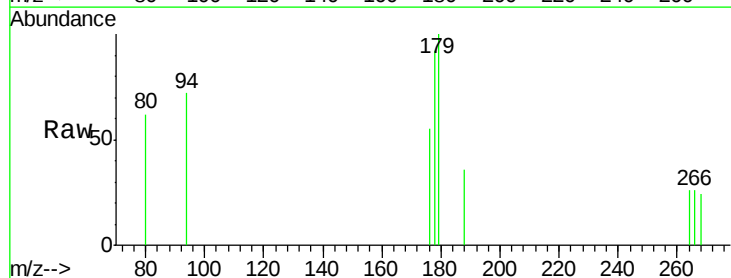
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 B-25(0.5-1.5)-100517MS

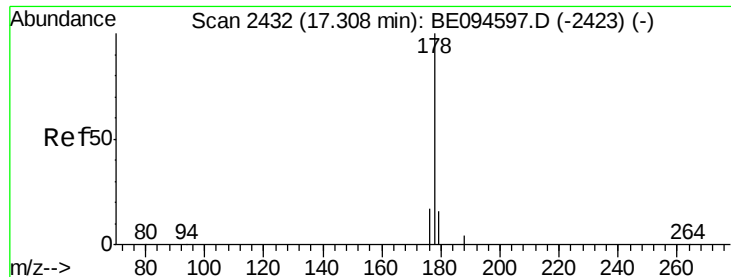
Tot Ion:166 Resp: 14128
 Ion Ratio Lower Upper
 166 100
 165 98.2 73.4 110.2
 167 14.9 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.98 min Scan# 2413
 Delta R.T. -0.02 min
 Lab File: BE094599.D
 Acq: 27 Oct 2017 17:02

Tgt Ion:266 Resp: 27
 Ion Ratio Lower Upper
 266 100
 264 103.7 47.9 71.9#
 268 74.1 49.8 74.8





#12

Phenanthrene

Concen: 21.79 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MS

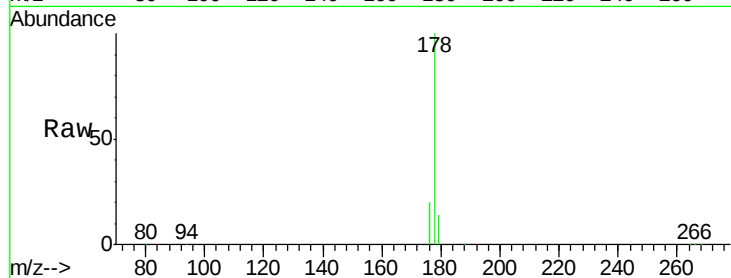
Tot Ion:178 Resp: 447005

Ion Ratio Lower Upper

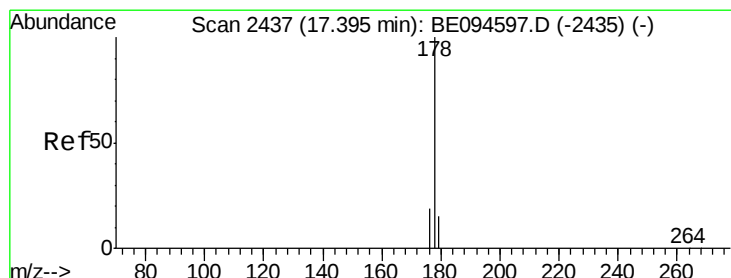
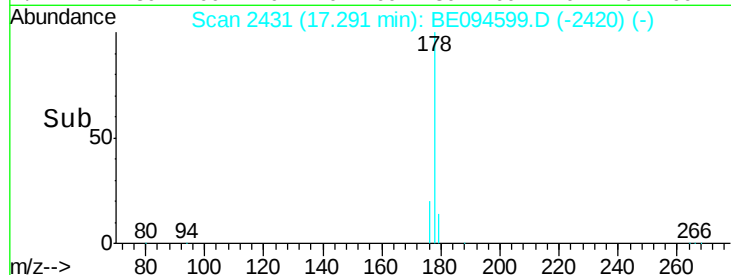
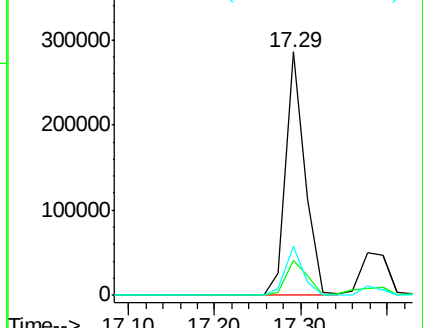
178 100

179 14.3 18.4 27.6#

176 20.0 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: 5.14 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

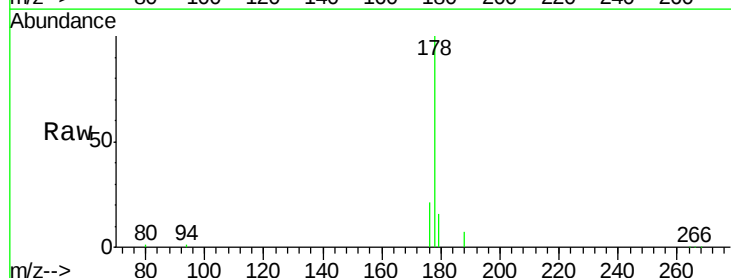
Tgt Ion:178 Resp: 104107

Ion Ratio Lower Upper

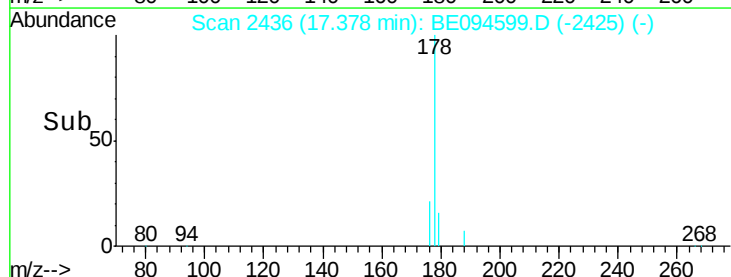
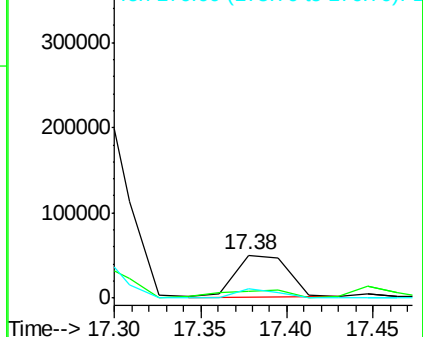
178 100

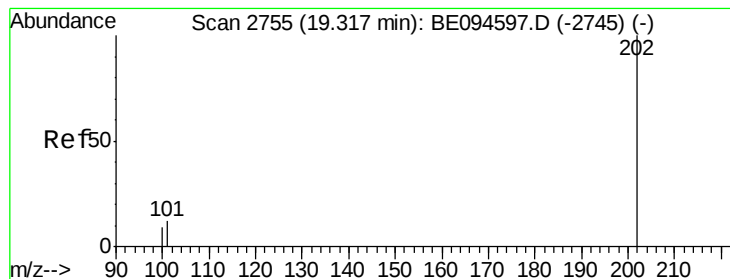
179 16.3 18.1 27.1#

176 21.0 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: 50.77 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

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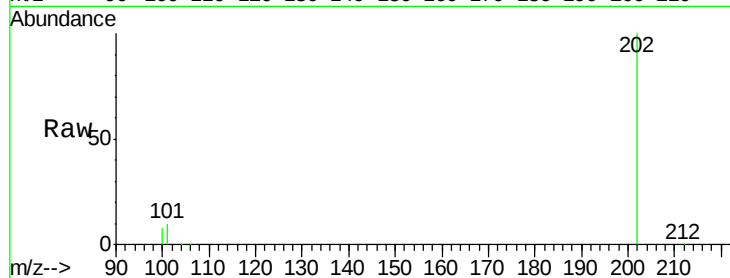
Tot Ion:202 Resp: 1204136

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

100 7.8 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

1200000

1000000

800000

600000

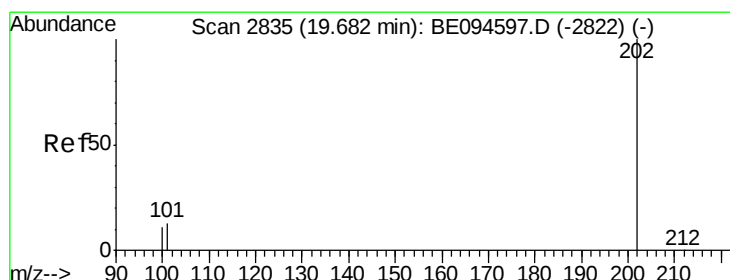
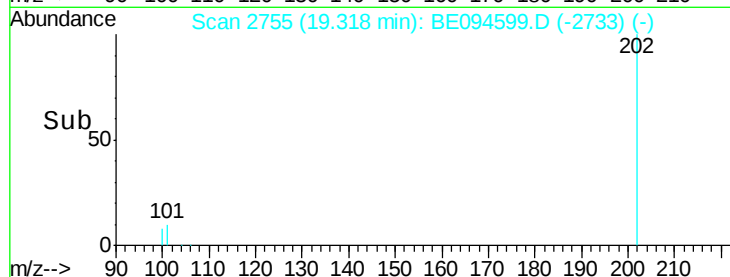
400000

200000

0

19.25 19.30 19.35 19.40

Time-->



#17

Pyrene

Concen: 48.20 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

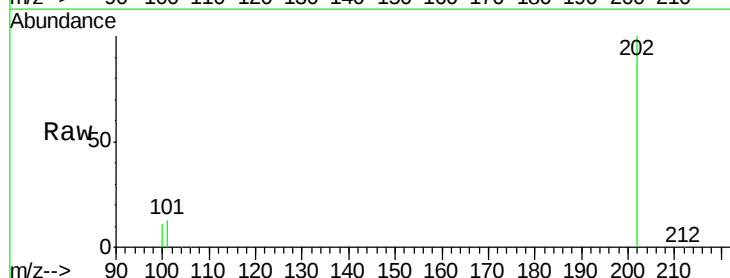
Tgt Ion:202 Resp: 1124264

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

100 11.0 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

1000000

800000

600000

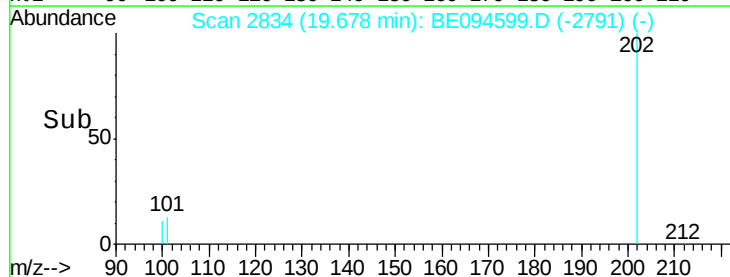
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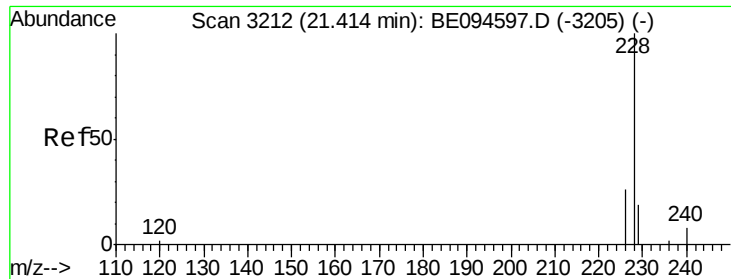
200000

0

19.60 19.70 19.80

Time-->

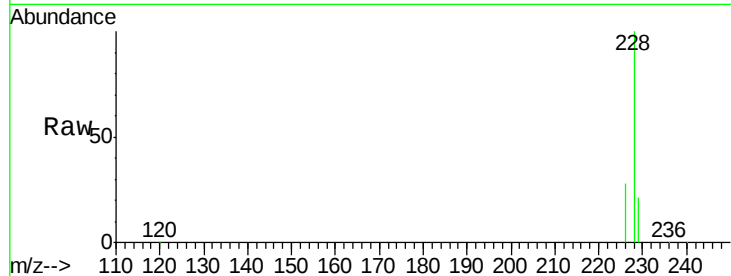




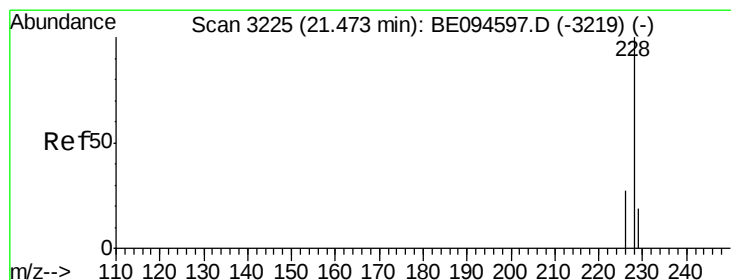
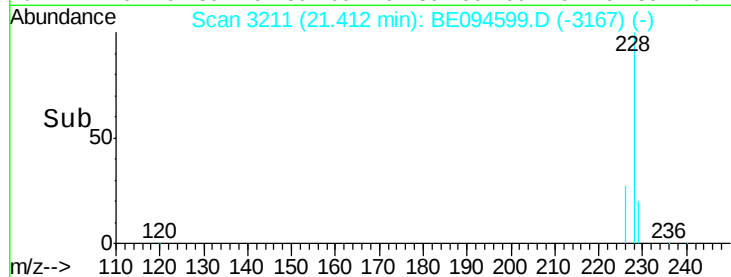
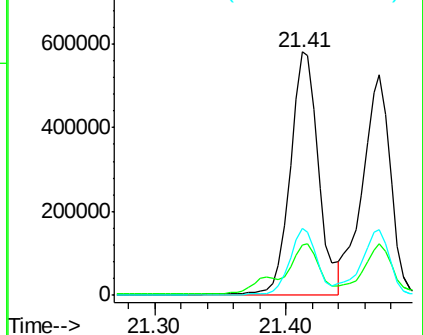
#18
Benzo(a)anthracene
Concen: 40.52 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

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Tot Ion:228 Resp: 873877
Ion Ratio Lower Upper
228 100
229 20.7 22.8 34.2#
226 27.5 17.0 25.6#

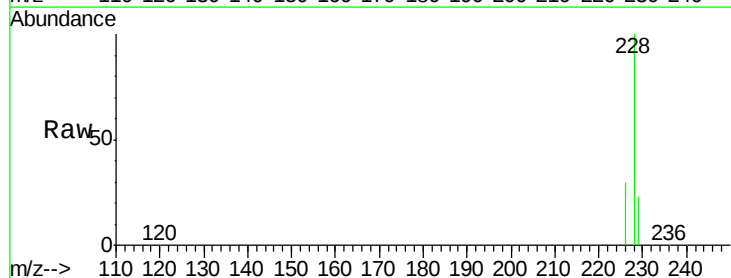


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

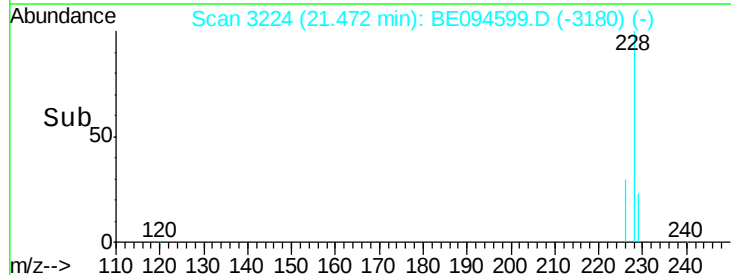
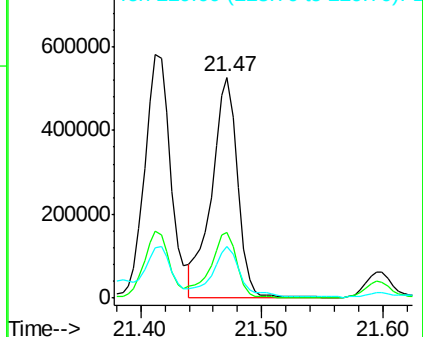


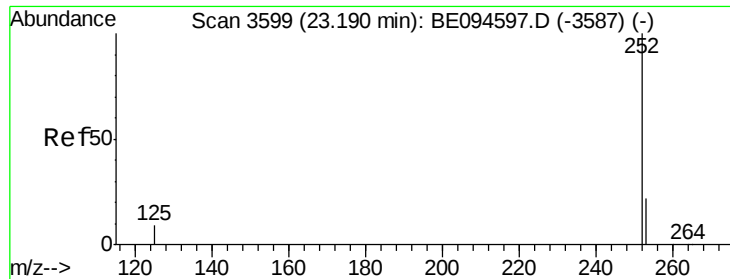
#19
Chrysene
Concen: 35.04 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

Tgt Ion:228 Resp: 781162
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.0
229 23.1 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

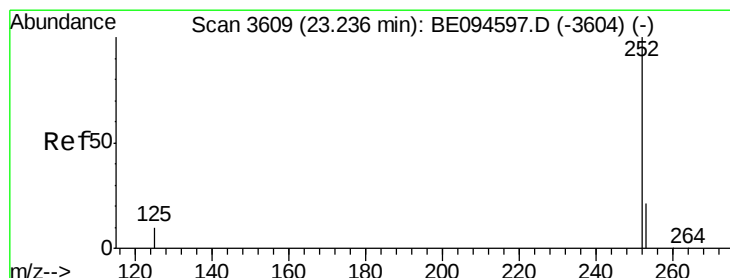
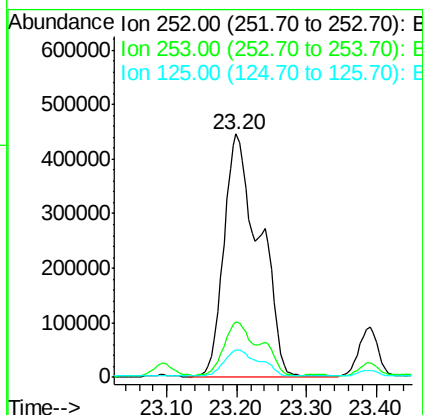
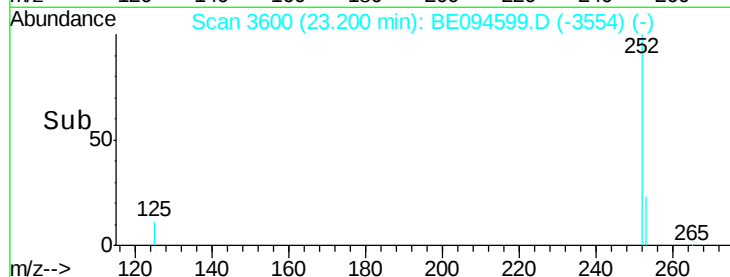
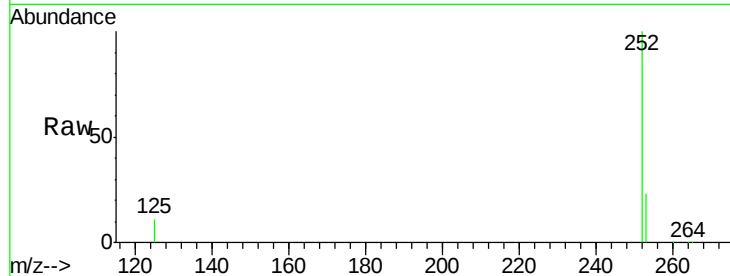




#21
Benzo(b)fluoranthene
Concen: 64.26 ng/ul
RT: 23.20 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

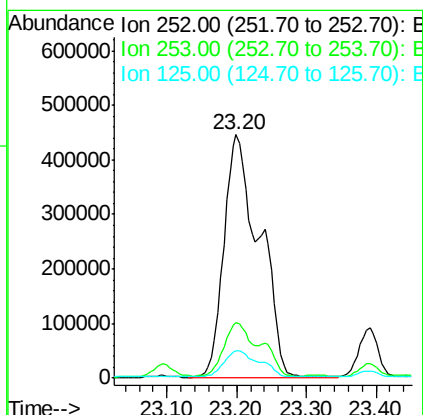
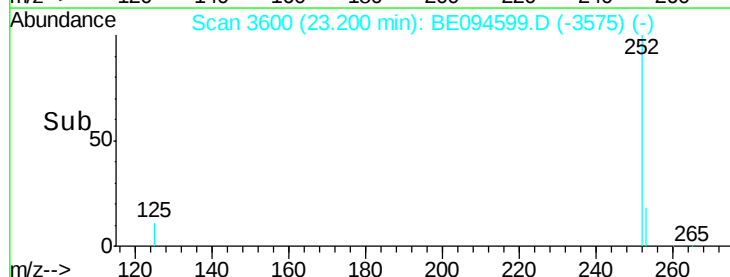
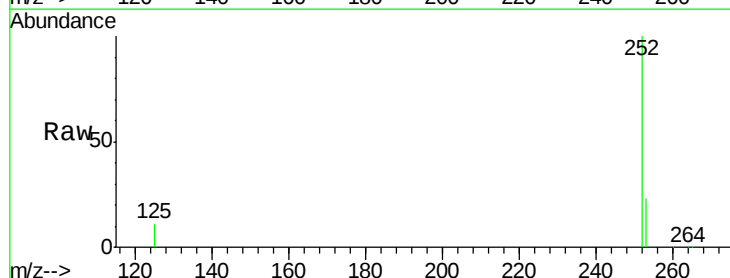
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ClientSampleId :
B-25(0.5-1.5)-100517MS

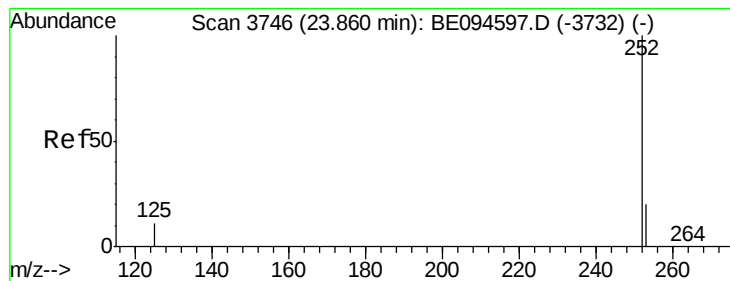
Tot Ion:252 Resp: 1575769
Ion Ratio Lower Upper
252 100
253 23.0 0.0 64.2
125 11.1 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 59.97 ng/ul
RT: 23.20 min Scan# 3600
Delta R.T. -0.04 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

Tgt Ion:252 Resp: 1575769
Ion Ratio Lower Upper
252 100
253 23.0 24.5 36.7#
125 11.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 37.40 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

Instrument :

BNA_E

ClientSampleId :

B-25(0.5-1.5)-100517MS

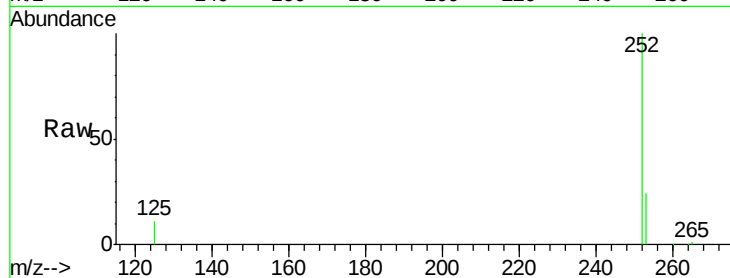
Tot Ion:252 Resp: 916657

Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

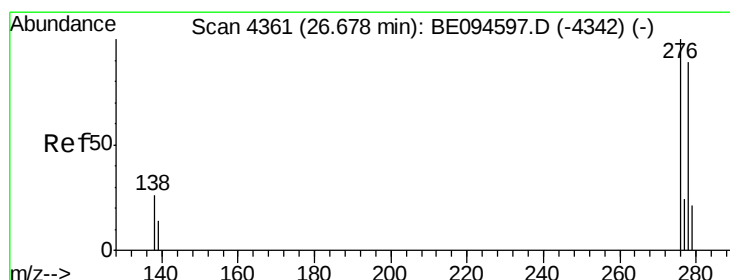
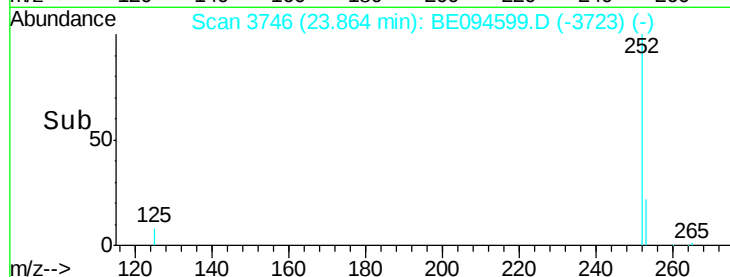
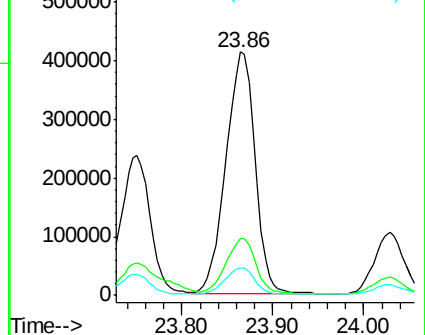
125 11.4 18.1 27.1#



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: 19.36 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BE094599.D

Acq: 27 Oct 2017 17:02

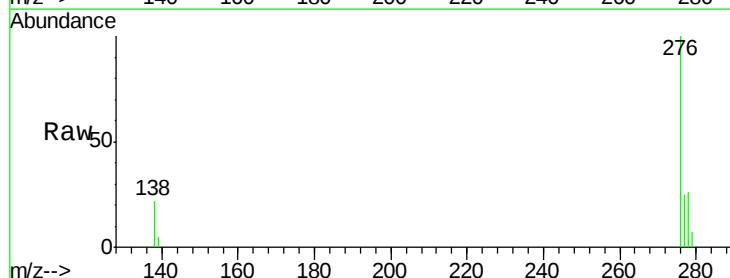
Tgt Ion:276 Resp: 490898

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

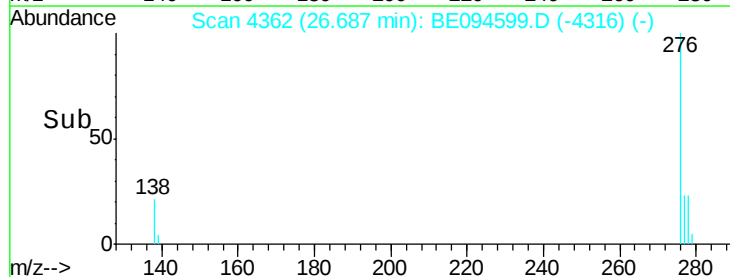
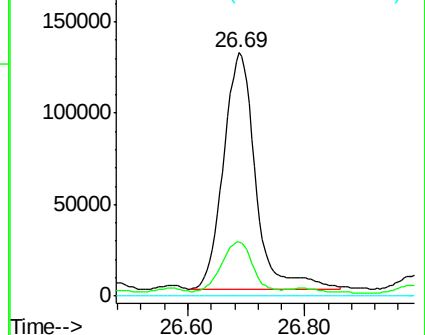
227 0.0 8.0 12.0#

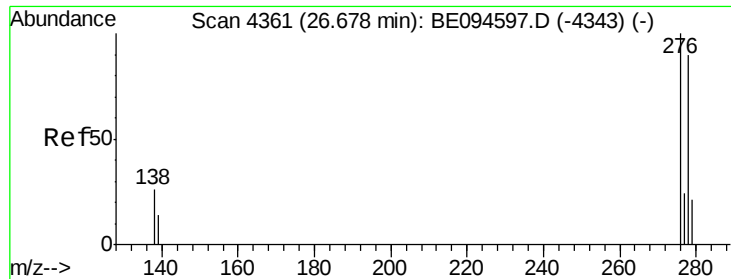


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

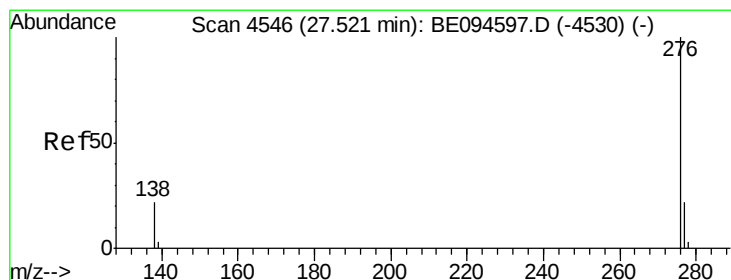
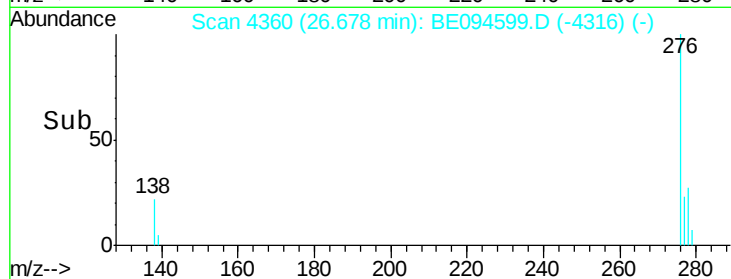
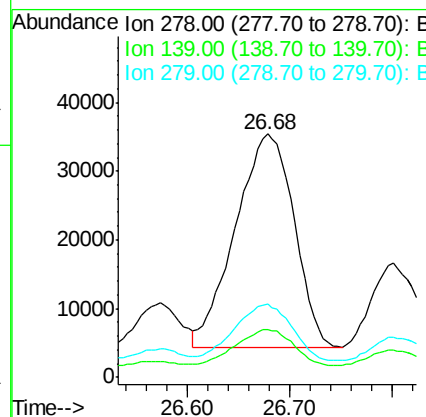
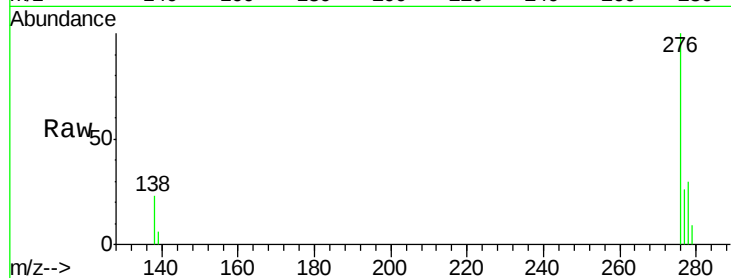




#25
Dibenzo(a,h)anthracene
Concen: 5.79 ng/ul
RT: 26.68 min Scan# 4360
Delta R.T. 0.00 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

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

Tot Ion:278 Resp: 123643
Ion Ratio Lower Upper
278 100
139 19.6 17.4 26.0
279 30.1 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 18.66 ng/ul
RT: 27.53 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BE094599.D
Acq: 27 Oct 2017 17:02

Tgt Ion:276 Resp: 380098
Ion Ratio Lower Upper
276 100
138 23.0 21.8 32.8
277 25.5 20.5 30.7

