

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094574.D
 Acq On : 26 Oct 2017 22:20
 Operator : SJ/JU
 Sample : I5873-02 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:43:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

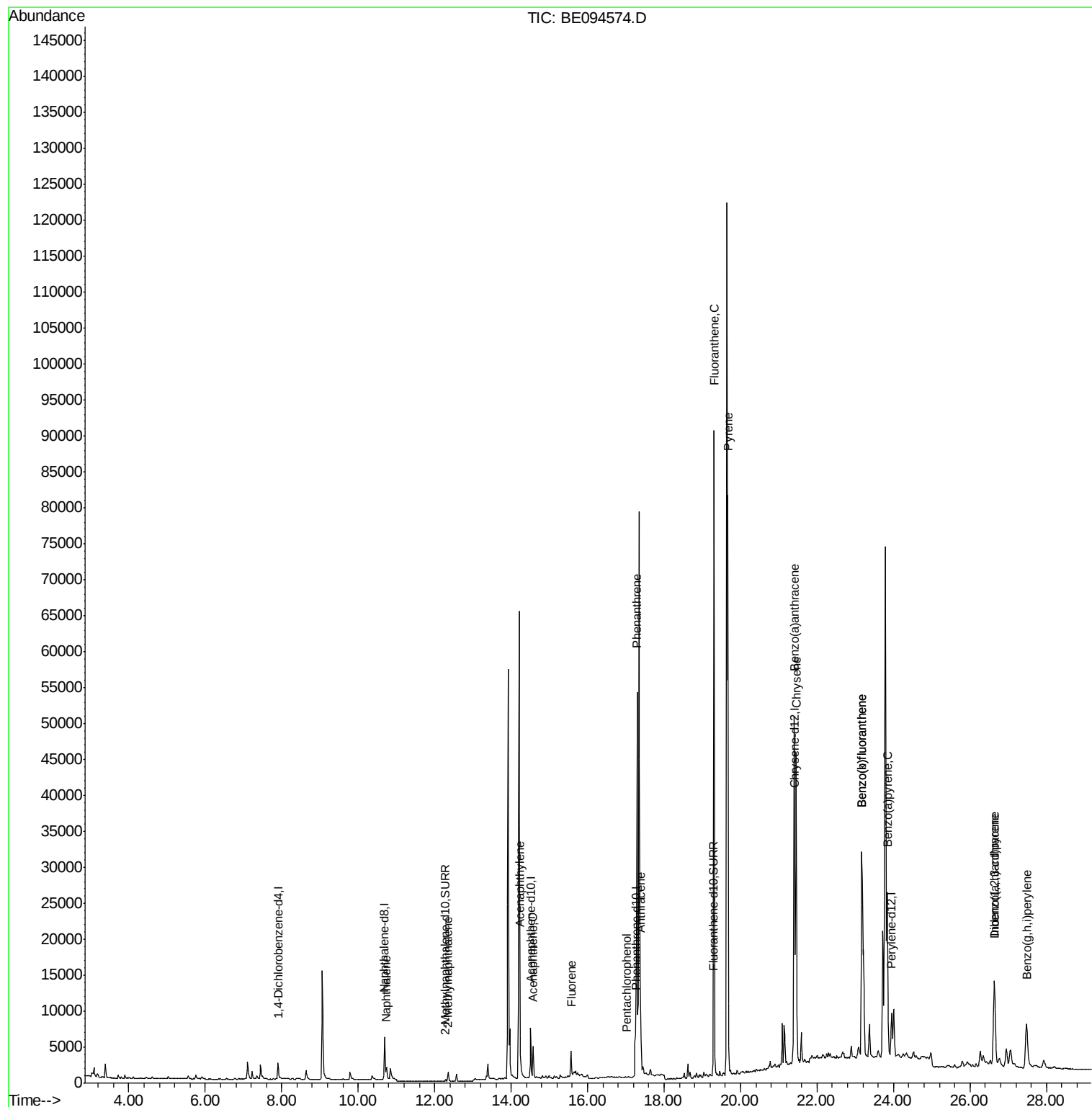
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1228	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7216	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4271	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9473	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9463	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9602	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	610	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1496	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2739	0.155	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1455	0.118	ng/ul	95
7) Acenaphthylene	14.23	152	1363	0.071	ng/ul#	85
8) Acenaphthene	14.57	153	2758	0.199	ng/ul	94
9) Fluorene	15.57	166	2645	0.170	ng/ul	95
11) Pentachlorophenol	17.03	266	10	0.021	ng/ul#	3
12) Phenanthrene	17.29	178	63423	2.535	ng/ul#	92
13) Anthracene	17.38	178	12899	0.522	ng/ul#	93
15) Fluoranthene	19.31	202	104562	3.615	ng/ul	83
17) Pyrene	19.67	202	88450	3.023	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	46496	1.719	ng/ul#	88
19) Chrysene	21.46	228	46968	1.680	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	73620	2.726	ng/ul	90
22) Benzo(k)fluoranthene	23.17	252	73620	2.543	ng/ul	92
23) Benzo(a)pyrene	23.84	252	35652	1.320	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.64	276	23839	0.853	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.63	278	6183	0.263	ng/ul#	73
26) Benzo(g,h,i)perylene	27.48	276	17469	0.779	ng/ul	94

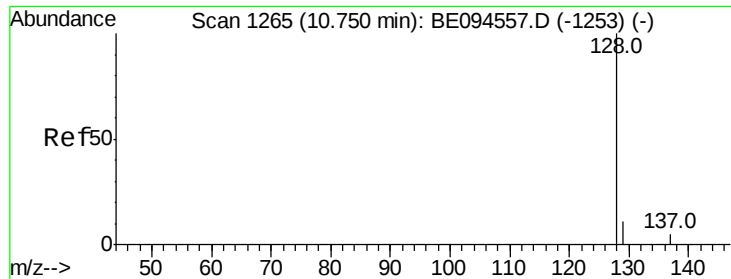
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 27 04:05:19 2017
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#3

Naphthalene

Concen: 0.155 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

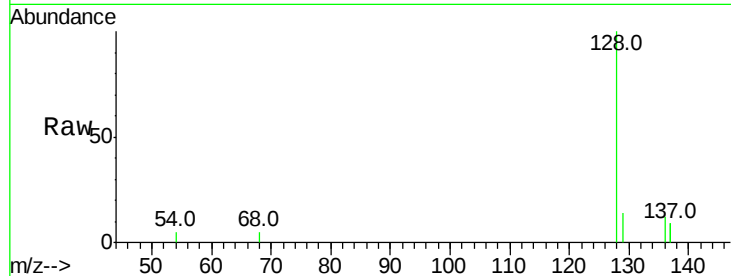
Tot Ion:128 Resp: 2739

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

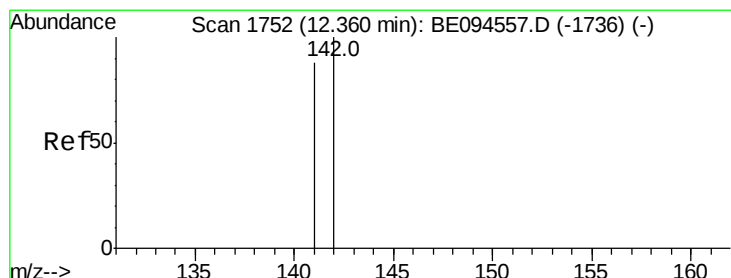
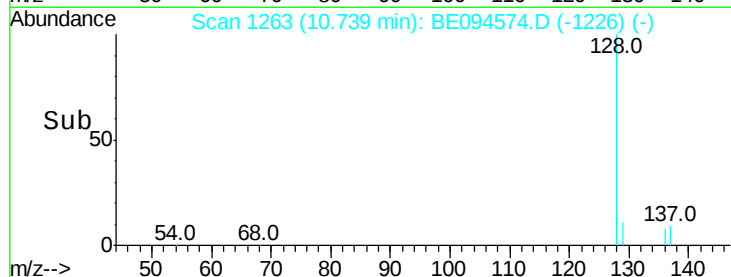
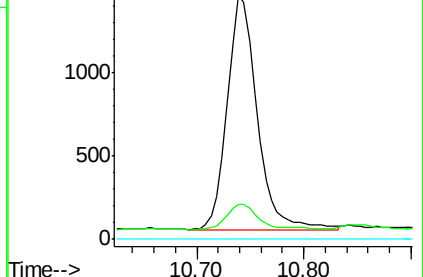
127 0.0 4.0 6.0#



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: 0.118 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094574.D

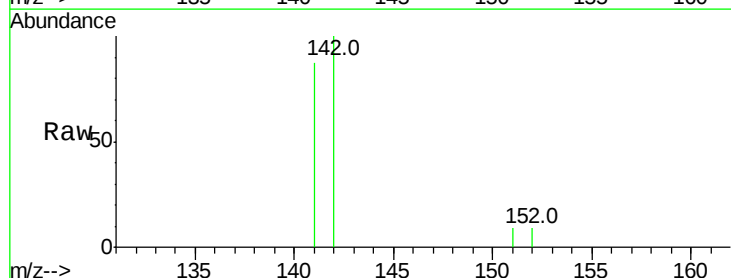
Acq: 26 Oct 2017 22:20

Tgt Ion:142 Resp: 1455

Ion Ratio Lower Upper

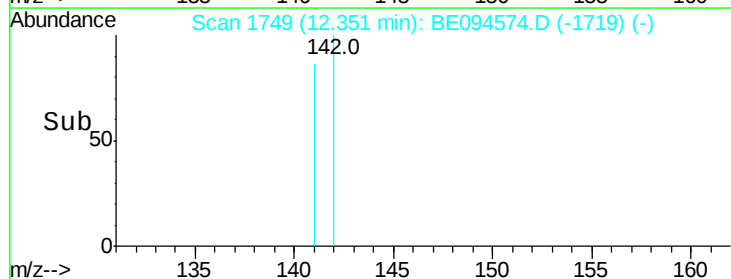
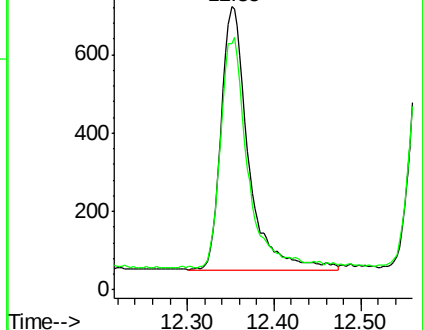
142 100

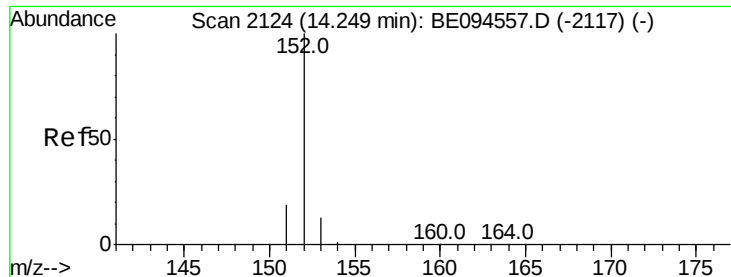
141 85.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.071 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

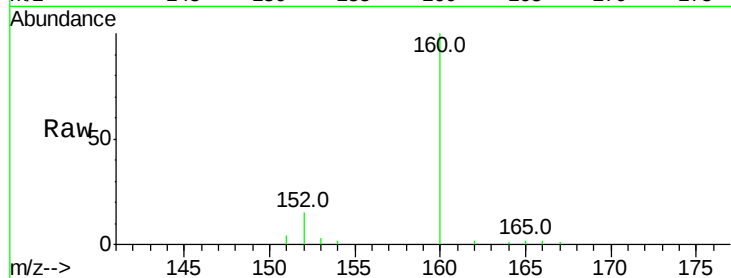
Tot Ion:152 Resp: 1363

Ion Ratio Lower Upper

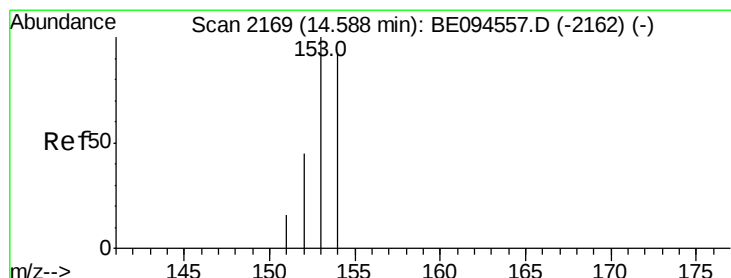
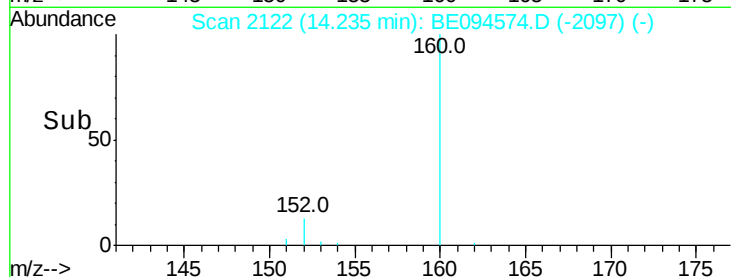
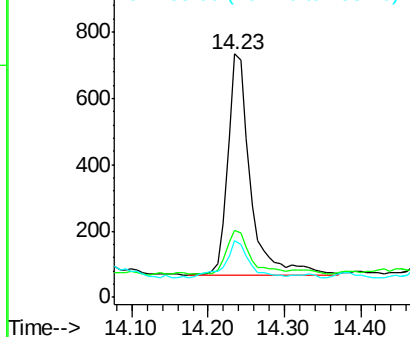
152 100

151 27.5 17.1 25.7#

153 23.2 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: 0.199 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

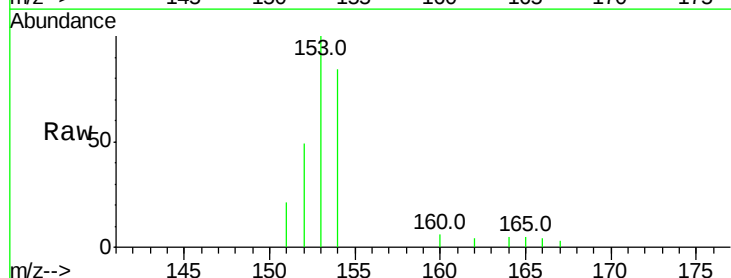
Tgt Ion:153 Resp: 2758

Ion Ratio Lower Upper

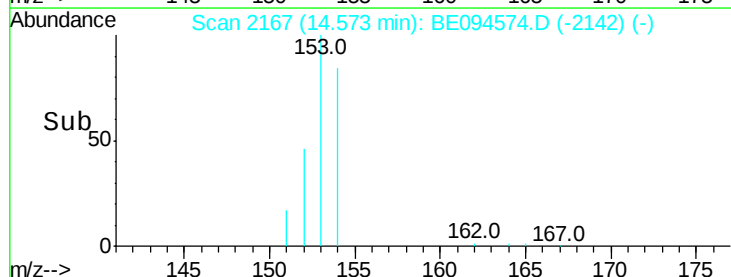
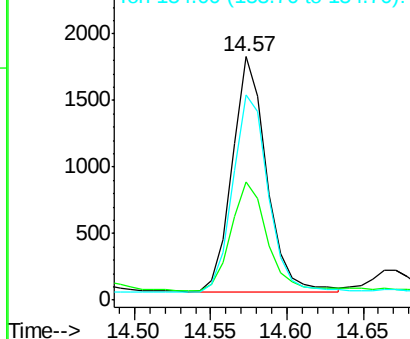
153 100

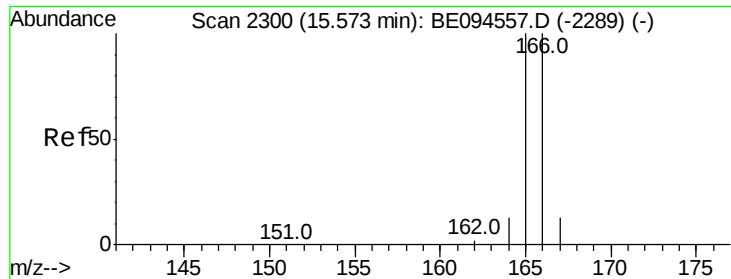
152 48.7 36.0 54.0

154 84.2 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

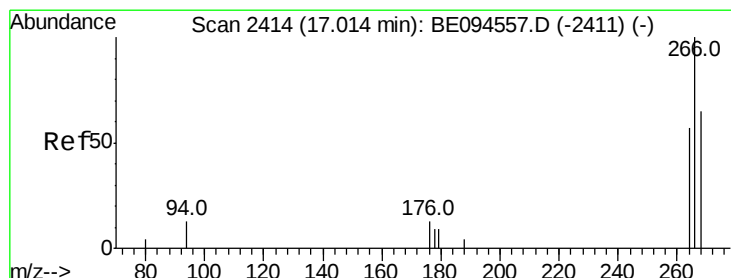
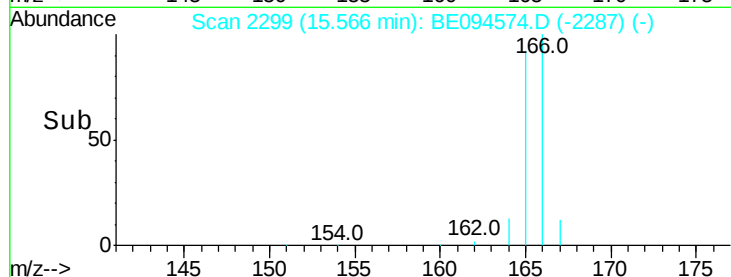
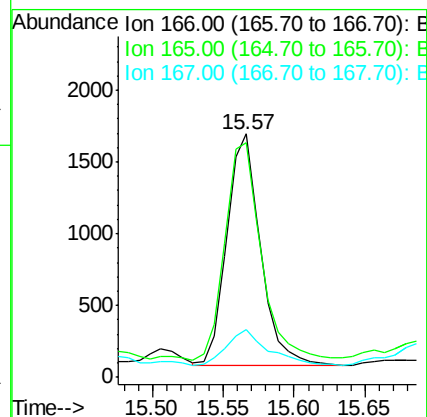
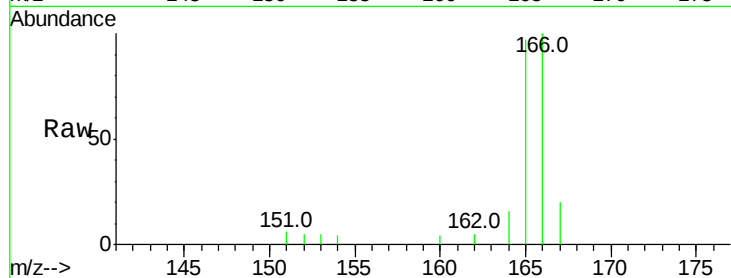




#9
Fluorene
 Concen: 0.170 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BE094574.D
 Acq: 26 Oct 2017 22:20

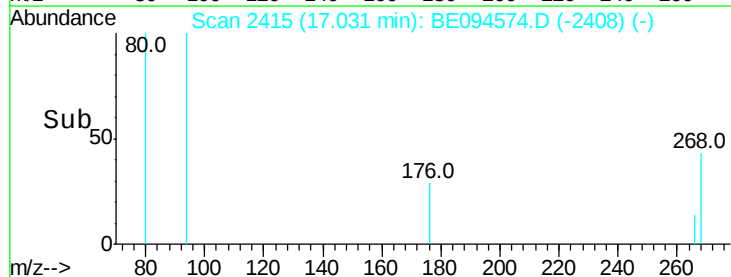
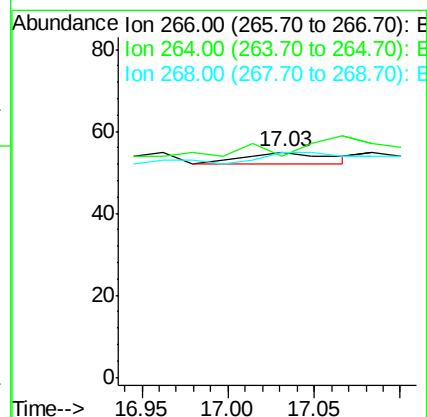
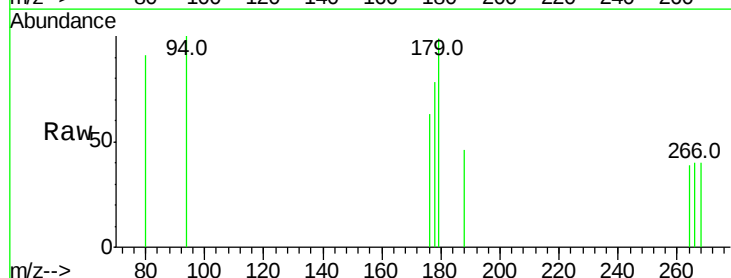
Instrument :
 BNA_E
 ClientSampleId :

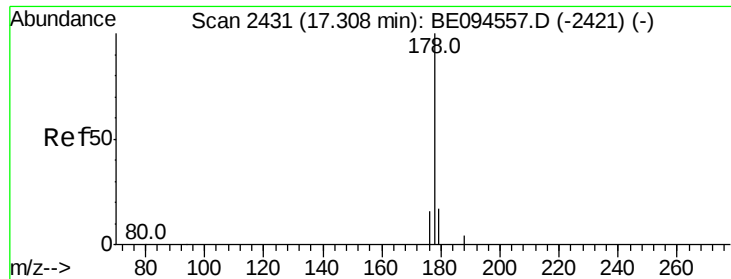
Tot Ion:166 Resp: 2645
 Ion Ratio Lower Upper
 166 100
 165 96.5 73.4 110.2
 167 19.6 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.021 ng/ul
 RT: 17.03 min Scan# 2415
 Delta R.T. 0.02 min
 Lab File: BE094574.D
 Acq: 26 Oct 2017 22:20

Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 150.0 49.8 74.8#





#12

Phenanthrene

Concen: 2.535 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampled :

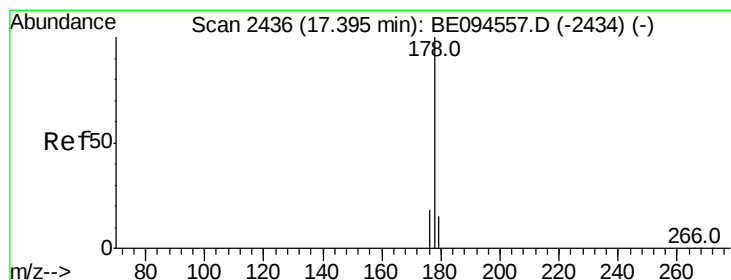
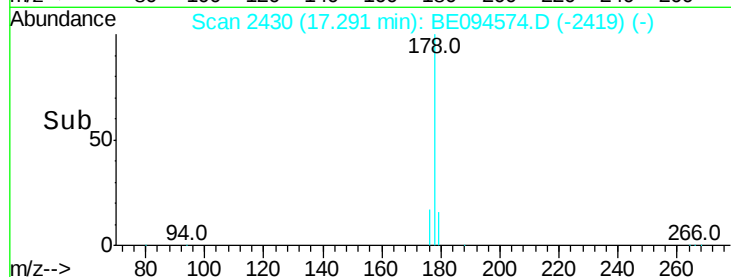
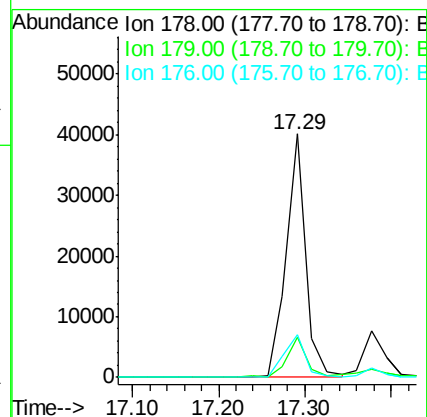
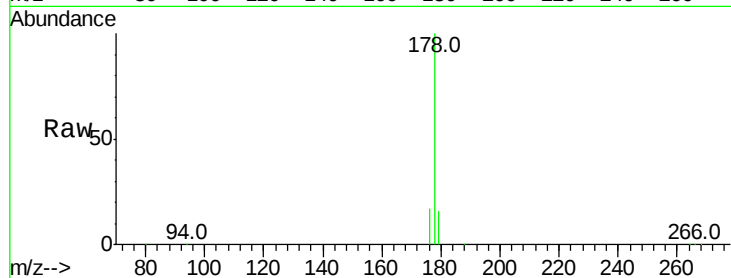
Tot Ion:178 Resp: 63423

Ion Ratio Lower Upper

178 100

179 16.4 18.4 27.6#

176 17.3 13.6 20.4



#13

Anthracene

Concen: 0.522 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

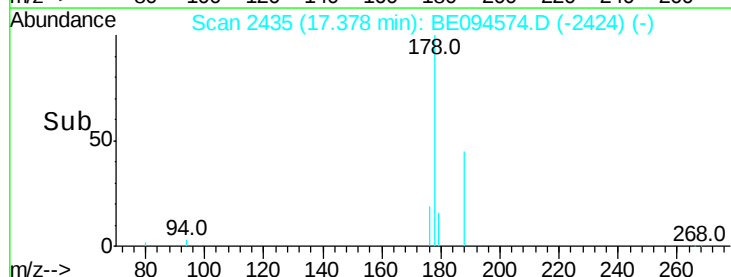
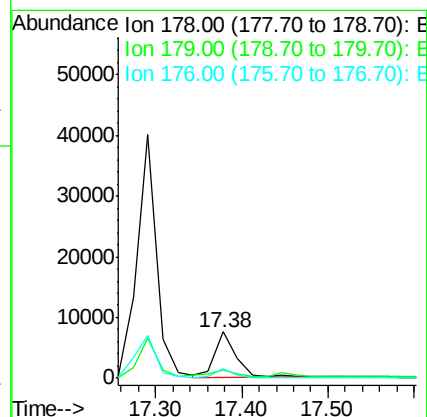
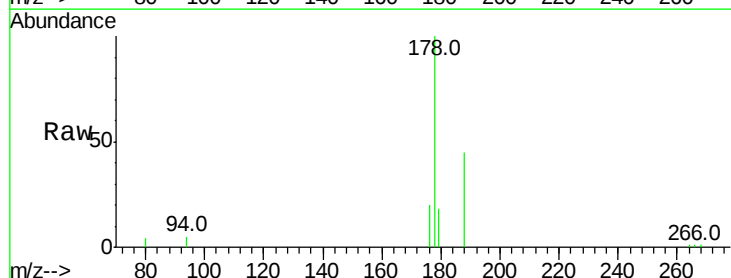
Tgt Ion:178 Resp: 12899

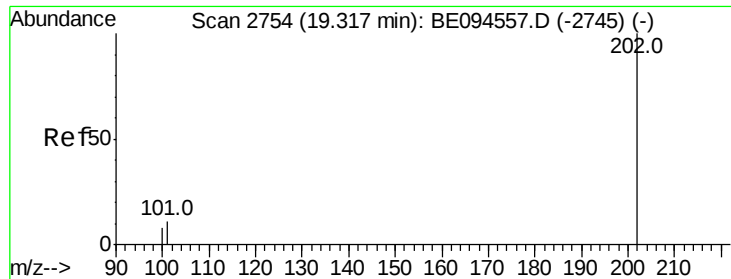
Ion Ratio Lower Upper

178 100

179 17.7 18.1 27.1#

176 19.6 14.7 22.1





#15

Fluoranthene

Concen: 3.615 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094574.D

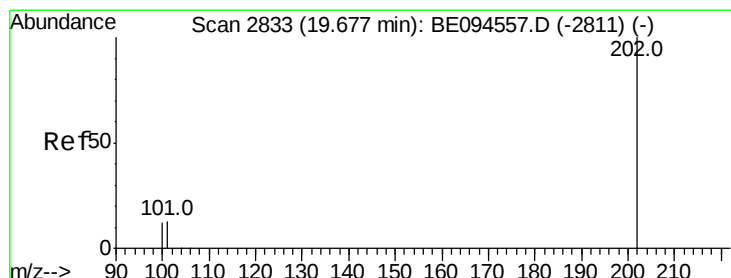
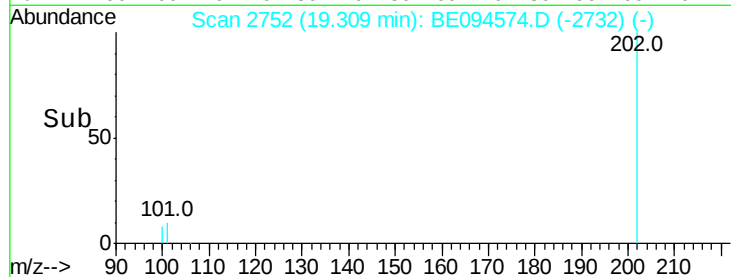
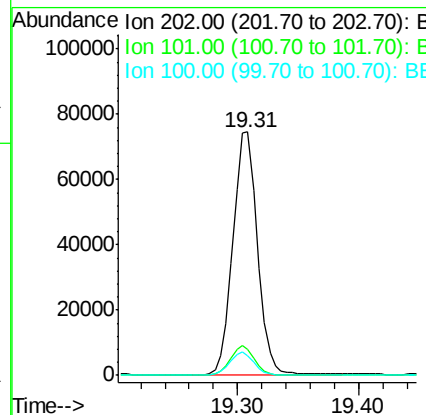
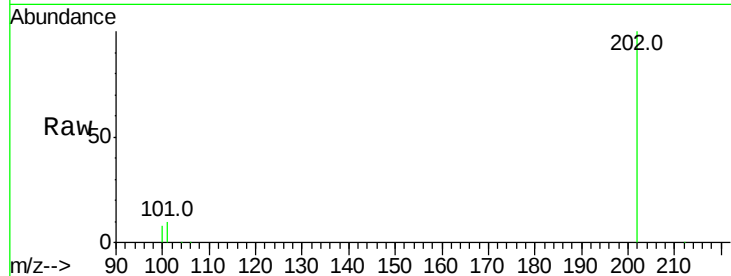
Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	104562
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.3
100	8.0	0.0	39.5



#17

Pyrene

Concen: 3.023 ng/ul

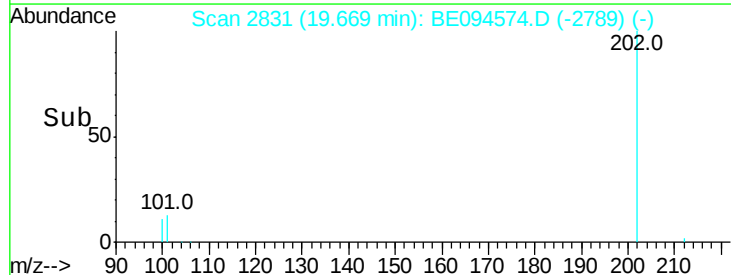
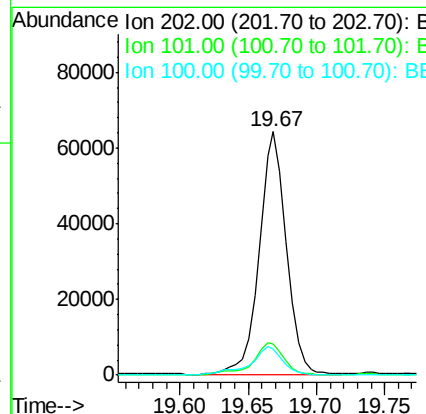
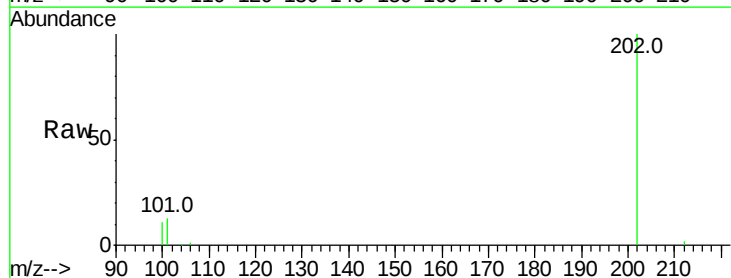
RT: 19.67 min Scan# 2831

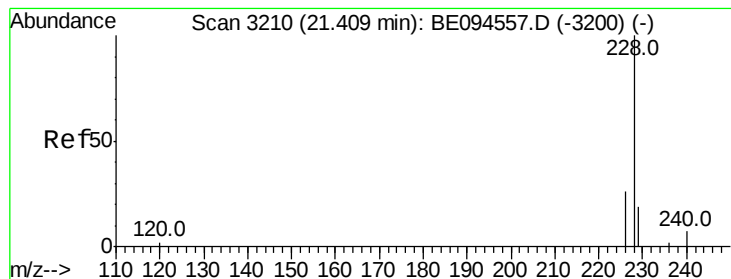
Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Tgt Ion:	202	Resp:	88450
Ion Ratio	Lower	Upper	
202	100		
101	12.9	18.2	27.4#
100	10.9	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 1.719 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

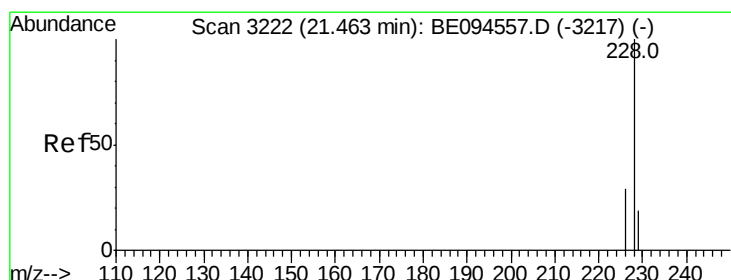
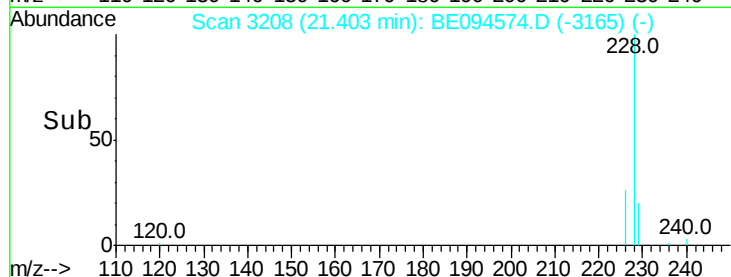
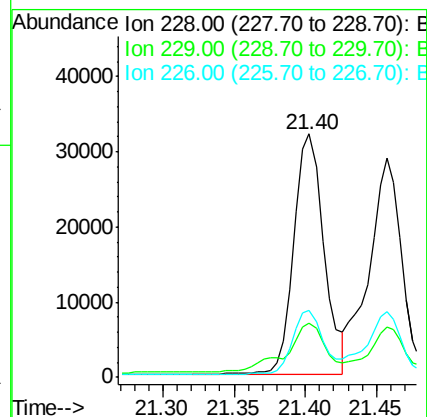
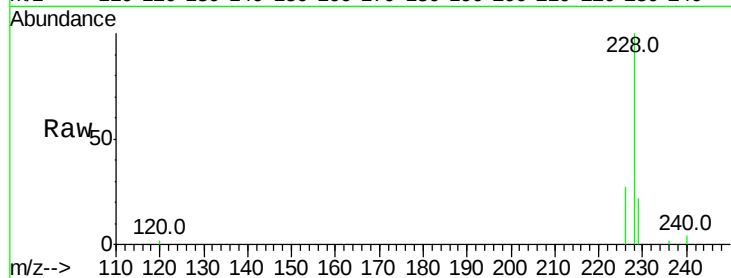
Tot Ion:228 Resp: 46496

Ion Ratio Lower Upper

228 100

229 22.2 22.8 34.2#

226 27.5 17.0 25.6#



#19

Chrysene

Concen: 1.680 ng/ul

RT: 21.46 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

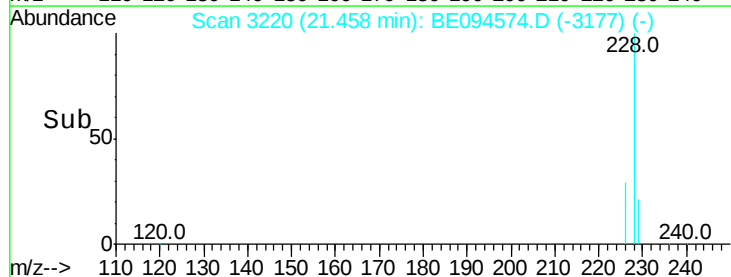
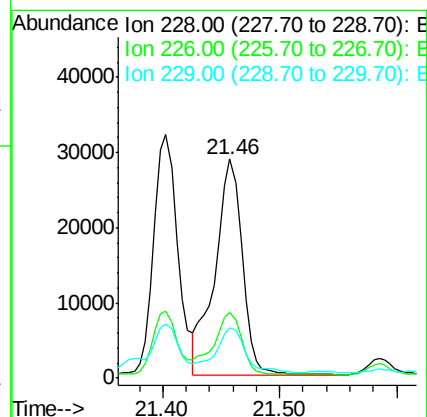
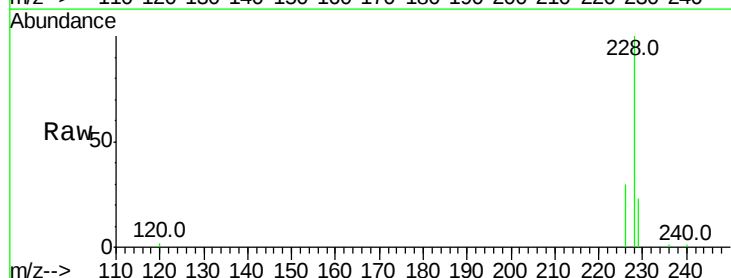
Tgt Ion:228 Resp: 46968

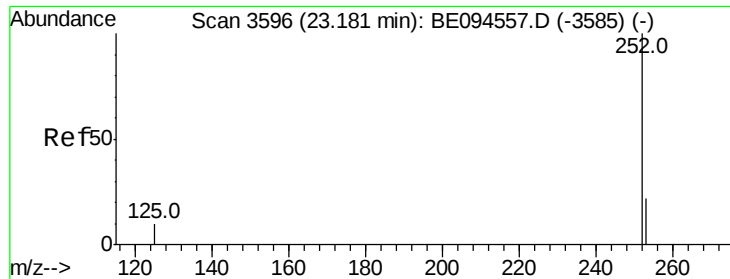
Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

229 23.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.726 ng/u1

RT: 23.17 min Scan# 3593

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

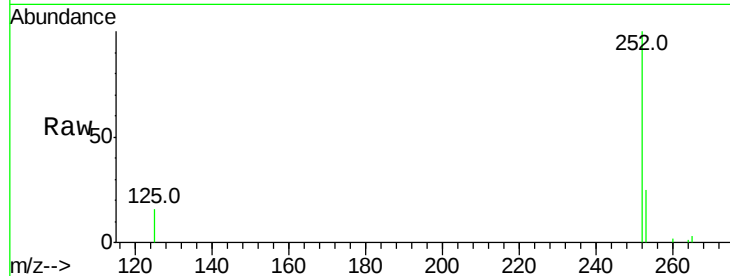
Tot Ion:252 Resp: 73620

Ion Ratio Lower Upper

252 100

253 24.8 0.0 64.2

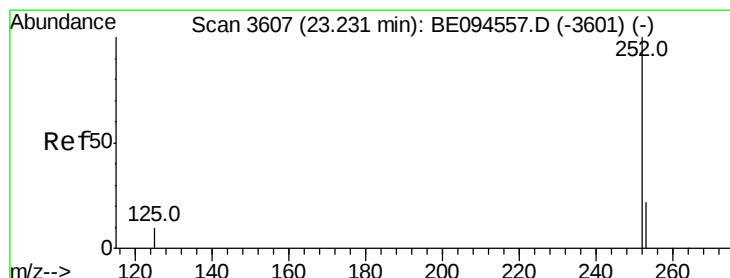
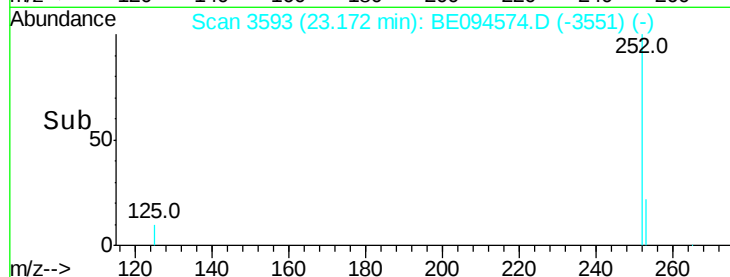
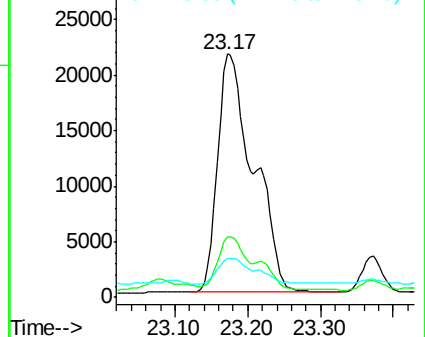
125 15.9 0.0 35.0



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: 2.543 ng/u1

RT: 23.17 min Scan# 3593

Delta R.T. -0.06 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

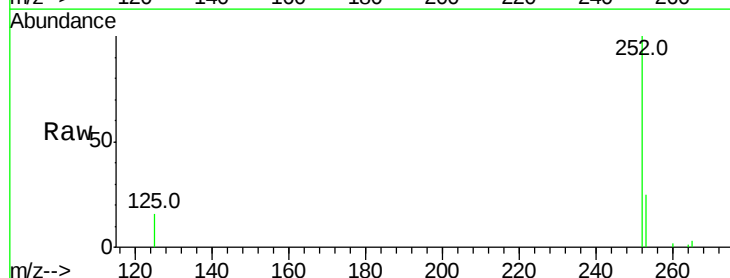
Tgt Ion:252 Resp: 73620

Ion Ratio Lower Upper

252 100

253 24.8 24.5 36.7

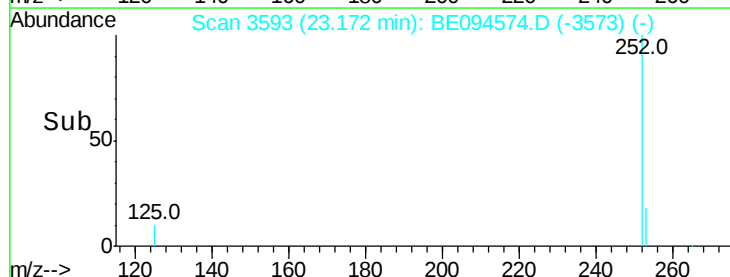
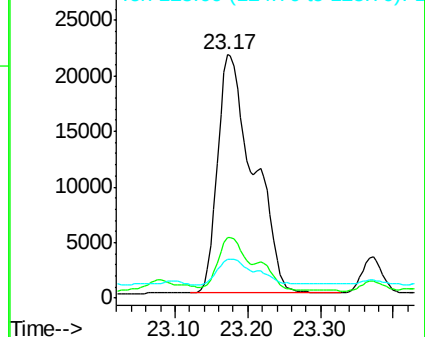
125 15.9 13.7 20.5

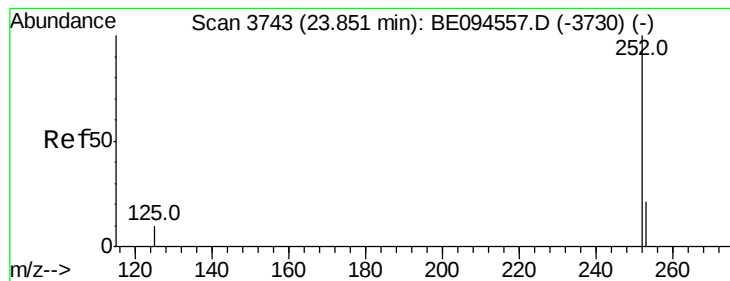


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.320 ng/ul

RT: 23.84 min Scan# 3739

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

Instrument :

BNA_E

ClientSampleId :

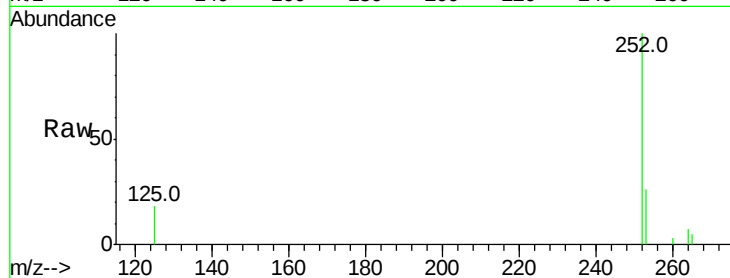
Tot Ion:252 Resp: 35652

Ion Ratio Lower Upper

252 100

253 25.9 28.5 42.7#

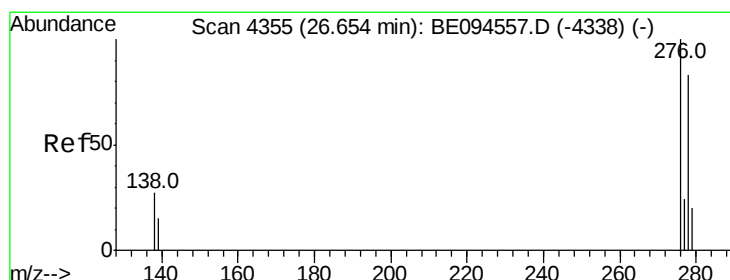
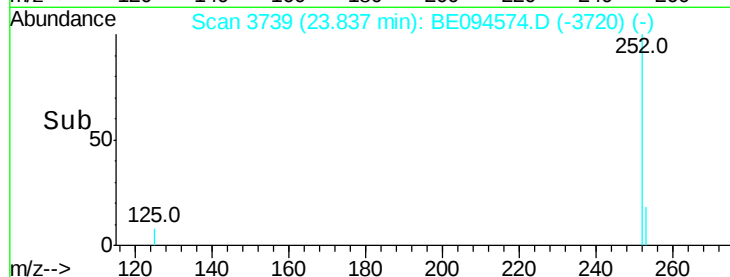
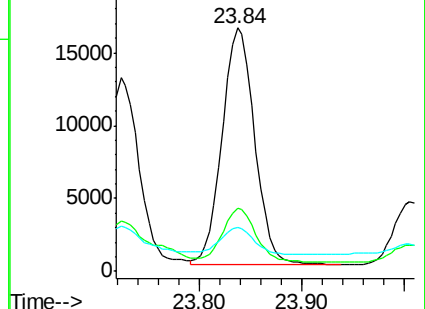
125 17.9 18.1 27.1#



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: 0.853 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.01 min

Lab File: BE094574.D

Acq: 26 Oct 2017 22:20

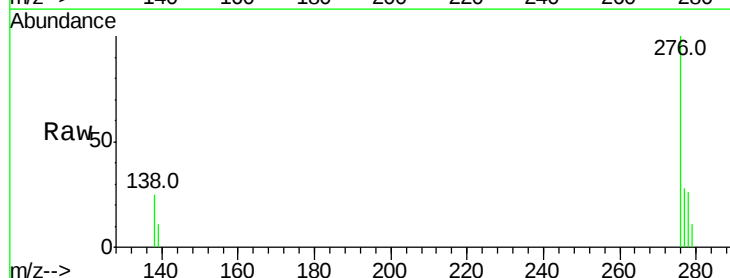
Tgt Ion:276 Resp: 23839

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

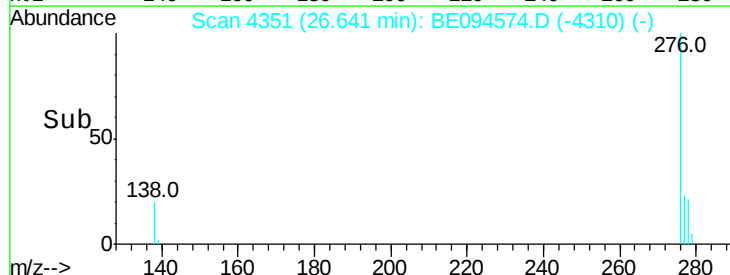
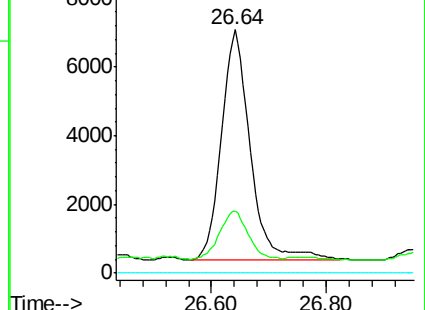
227 0.0 8.0 12.0#

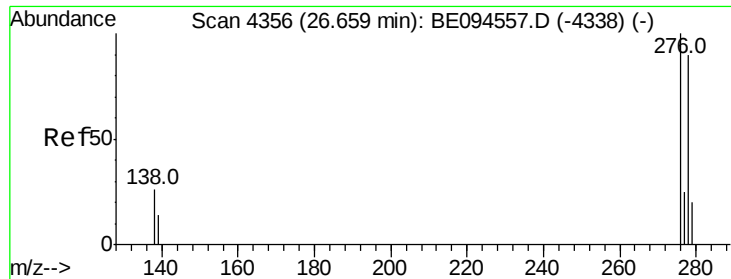


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

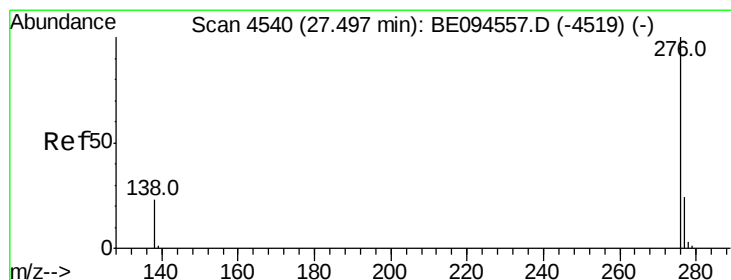
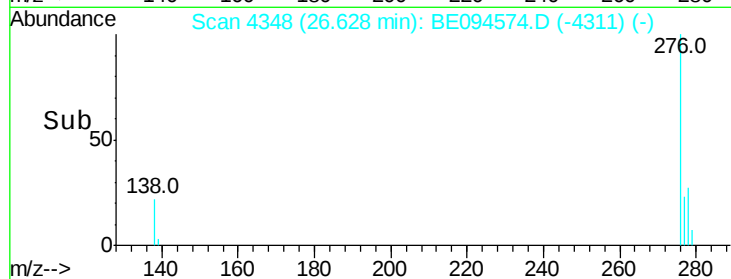
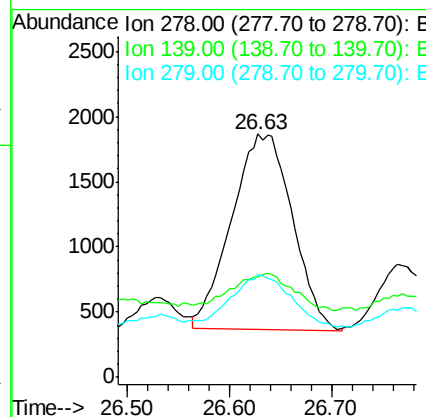
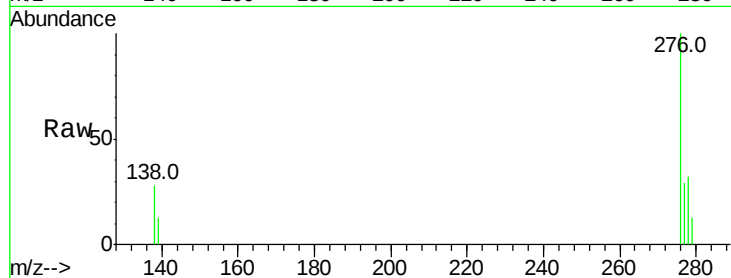




#25
Dibenzo(a,h)anthracene
Concen: 0.263 ng/u1
RT: 26.63 min Scan# 4348
Delta R.T. -0.03 min
Lab File: BE094574.D
Acq: 26 Oct 2017 22:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6183
Ion Ratio Lower Upper
278 100
139 41.2 17.4 26.0#
279 42.0 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.779 ng/u1
RT: 27.48 min Scan# 4535
Delta R.T. -0.02 min
Lab File: BE094574.D
Acq: 26 Oct 2017 22:20

Tgt Ion:276 Resp: 17469
Ion Ratio Lower Upper
276 100
138 28.9 21.8 32.8
277 30.5 20.5 30.7

