

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080418\
 Data File : BE097218.D
 Acq On : 5 Aug 2018 2:11
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 06 03:52:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 06 03:46:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1522	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	8279	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	4849	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	11346	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11817	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	12141	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	5430	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	13301	0.34	ng/ul	0.00

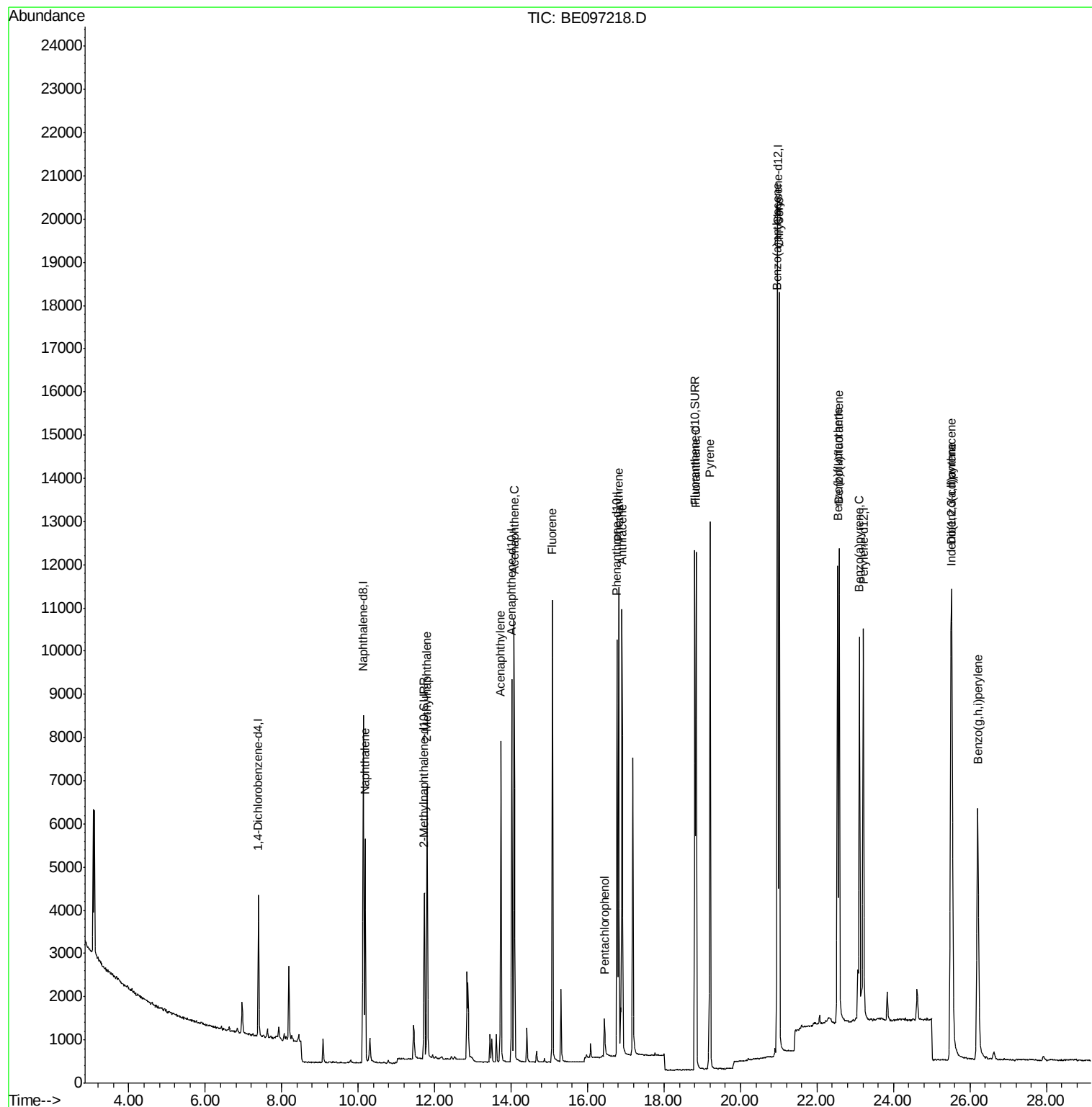
Target Compounds				Ovalue		
3) Naphthalene	10.18	128	7723	0.385	ng/ul#	92
5) 2-Methylnaphthalene	11.80	142	5390	0.407	ng/ul	98
7) Acenaphthylene	13.73	152	8305	0.396	ng/ul	97
8) Acenaphthene	14.08	153	5899	0.389	ng/ul	93
9) Fluorene	15.08	166	6746	0.387	ng/ul#	93
11) Pentachlorophenol	16.44	266	569	0.350	ng/ul	96
12) Phenanthrene	16.81	178	11272	0.390	ng/ul#	90
13) Anthracene	16.90	178	10886	0.403	ng/ul#	92
15) Fluoranthene	18.84	202	13167	0.344	ng/ul	84
17) Pyrene	19.20	202	13227	0.418	ng/ul#	80
18) Benzo(a)anthracene	20.96	228	13606	0.403	ng/ul#	84
19) Chrysene	21.01	228	13650	0.392	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	13453	0.407	ng/ul	84
22) Benzo(k)fluoranthene	22.58	252	13912	0.390	ng/ul#	88
23) Benzo(a)pyrene	23.11	252	13382	0.404	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.50	276	16867	0.407	ng/ul#	77
25) Dibenzo(a,h)anthracene	25.53	278	13968	0.412	ng/ul#	89
26) Benzo(g,h,i)perylene	26.20	276	14206	0.397	ng/ul#	92

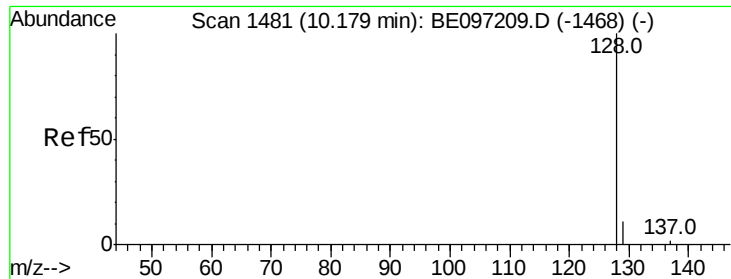
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

Instrument :

BNA_E

ClientSampleId :

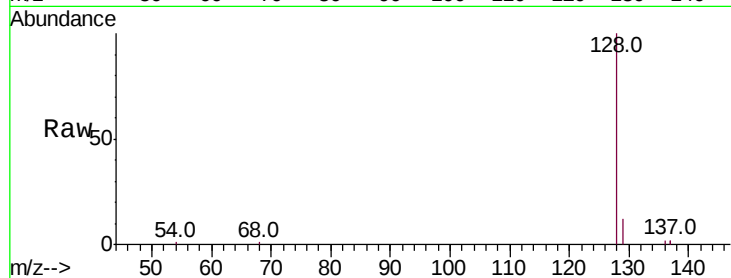
Tot Ion:128 Resp: 7723

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

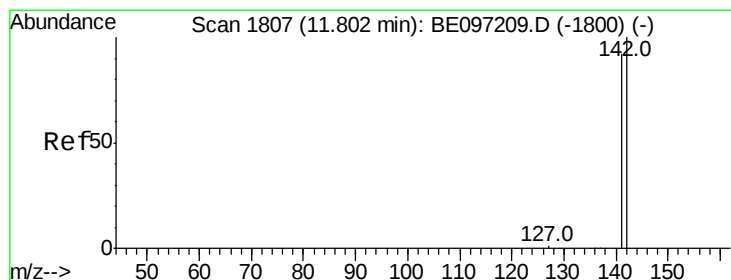
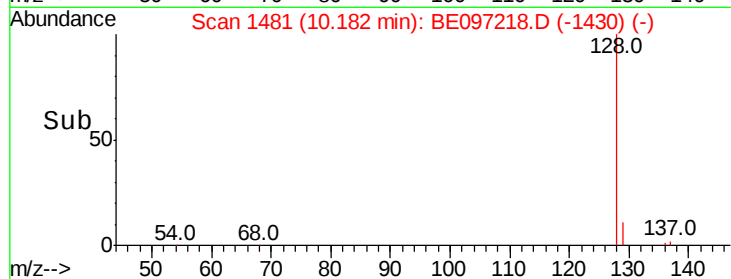
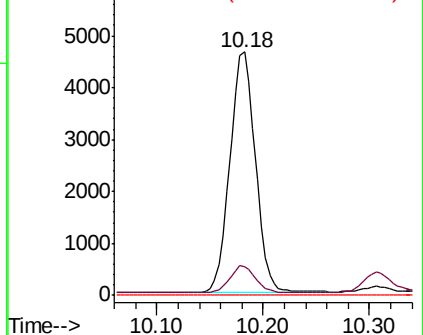
127 0.0 4.0 6.0#



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: 0.407 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BE097218.D

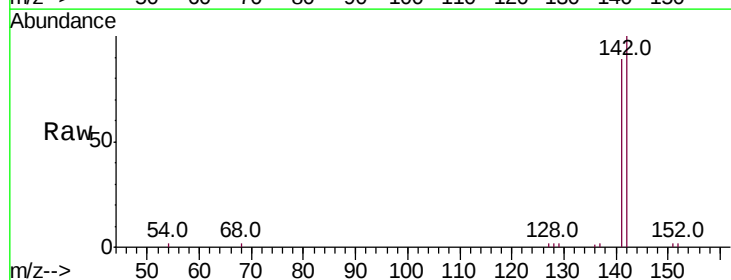
Acq: 5 Aug 2018 2:11

Tgt Ion:142 Resp: 5390

Ion Ratio Lower Upper

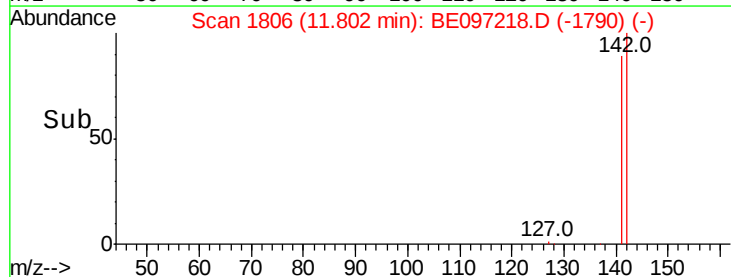
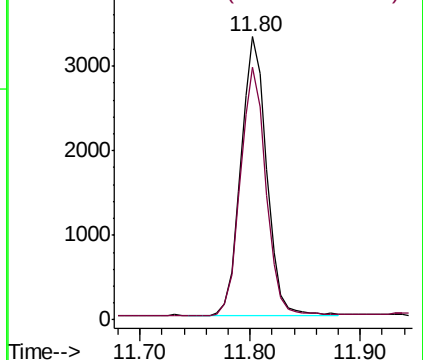
142 100

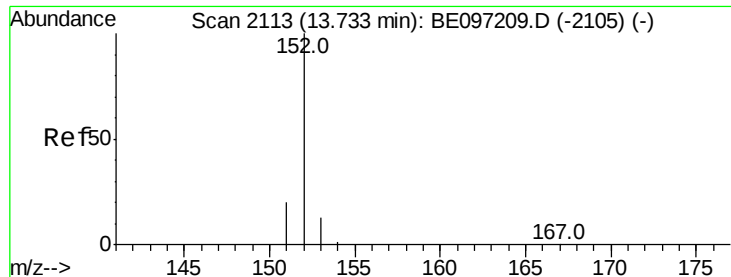
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.396 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

Instrument :

BNA_E

ClientSampleId :

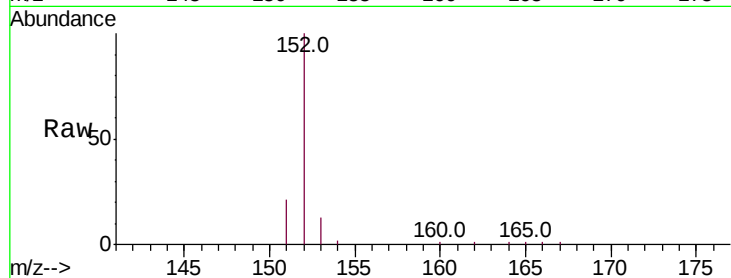
Tot Ion:152 Resp: 8305

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

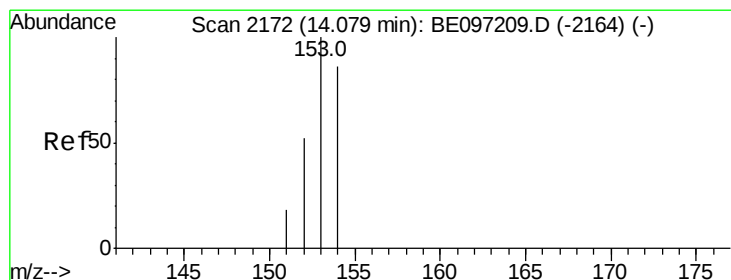
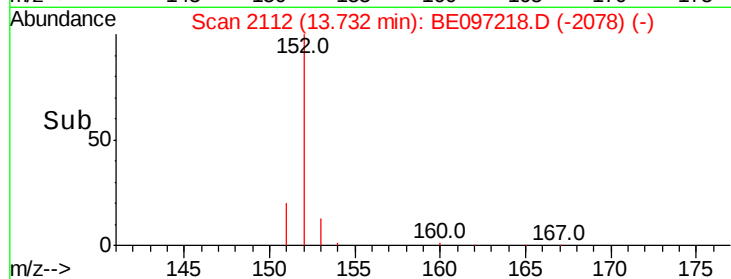
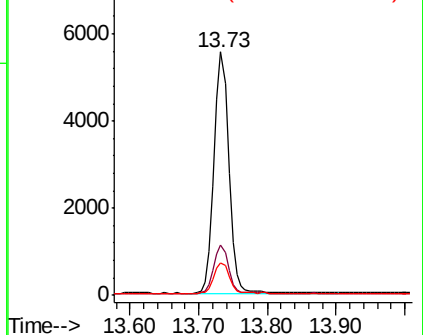
153 13.5 12.8 19.2



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: 0.389 ng/ul

RT: 14.08 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

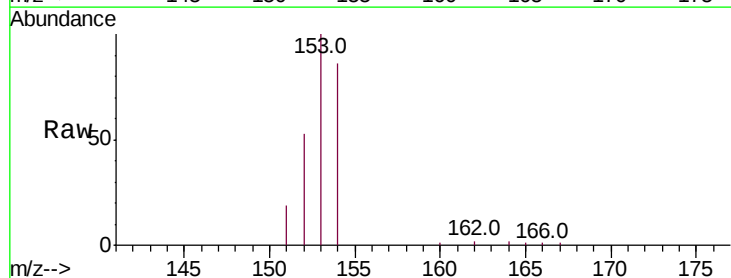
Tgt Ion:153 Resp: 5899

Ion Ratio Lower Upper

153 100

152 52.9 36.0 54.0

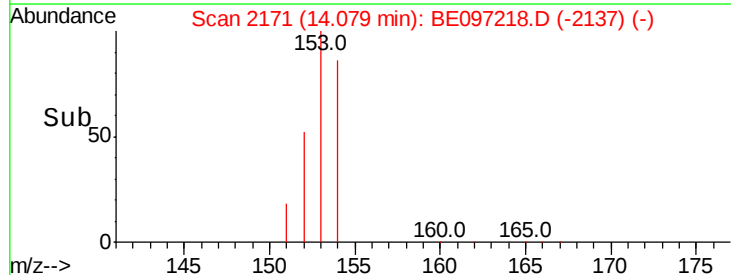
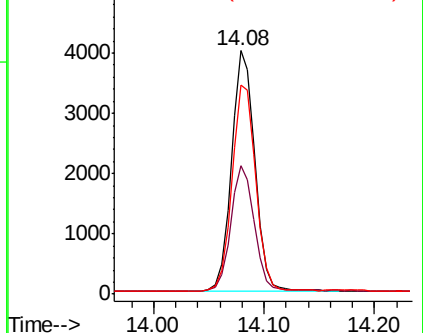
154 85.8 72.0 108.0

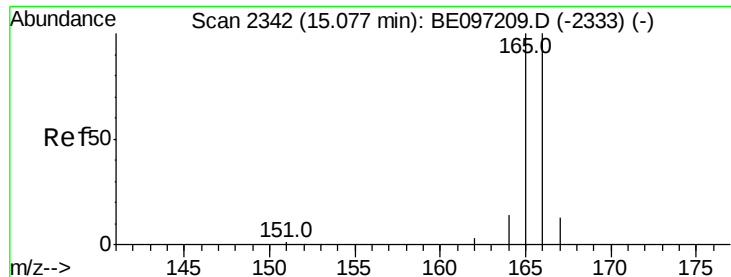


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

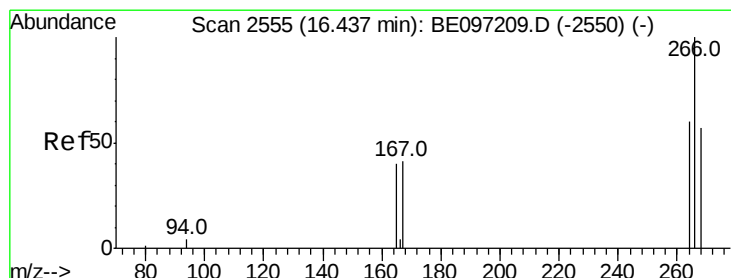
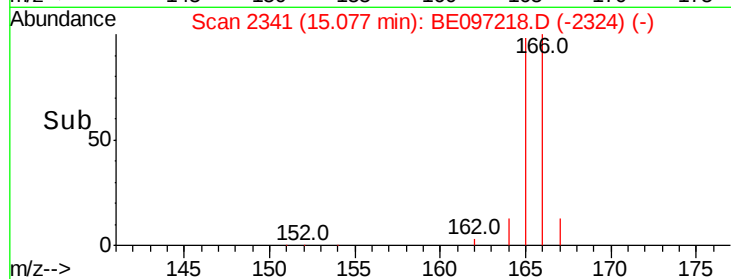
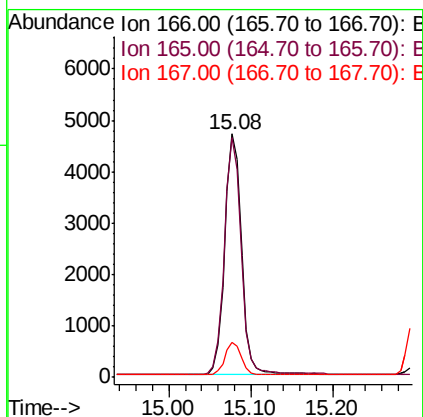
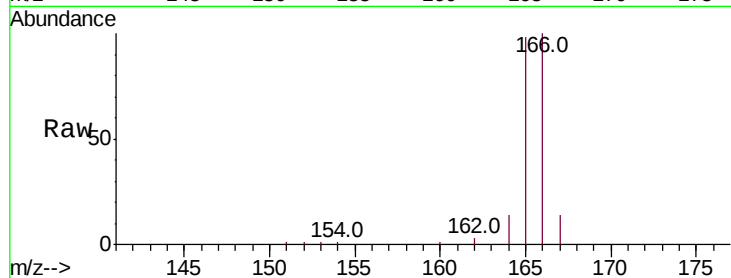




#9
Fluorene
 Concen: 0.387 ng/ul
 RT: 15.08 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: BE097218.D
 Acq: 5 Aug 2018 2:11

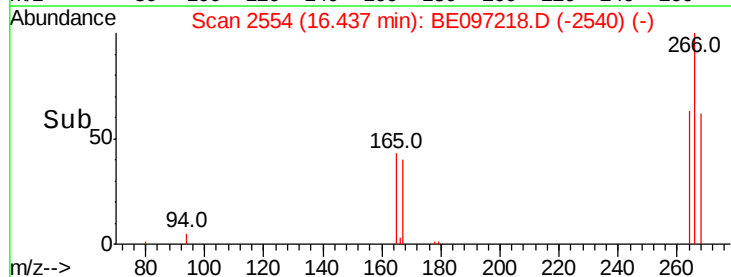
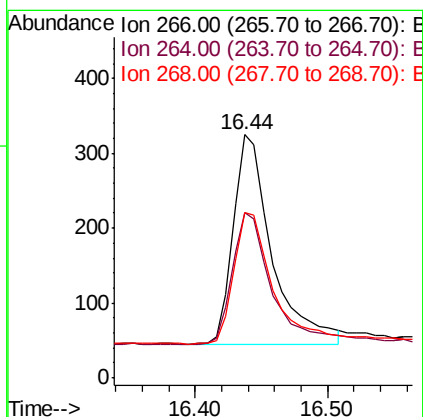
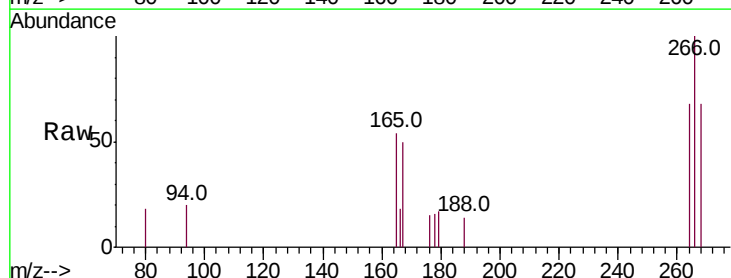
Instrument :
 BNA_E
 ClientSampleId :

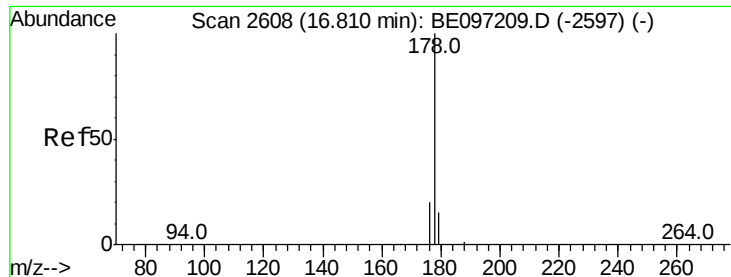
Tot Ion:166 Resp: 6746
 Ion Ratio Lower Upper
 166 100
 165 98.5 73.4 110.2
 167 14.2 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.350 ng/ul
 RT: 16.44 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BE097218.D
 Acq: 5 Aug 2018 2:11

Tgt Ion:266 Resp: 569
 Ion Ratio Lower Upper
 266 100
 264 64.5 47.9 71.9
 268 64.0 49.8 74.8





#12

Phenanthrene

Concen: 0.390 ng/ul

RT: 16.81 min Scan# 2607

Delta R.T. 0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

Instrument :

BNA_E

ClientSampled :

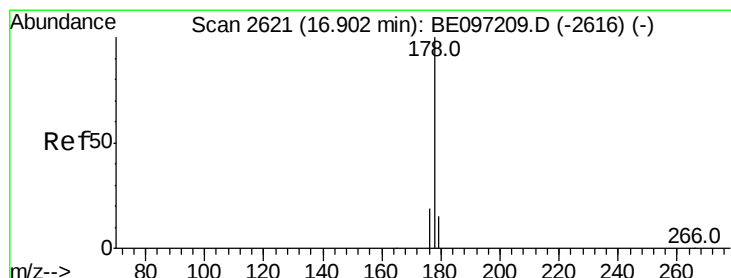
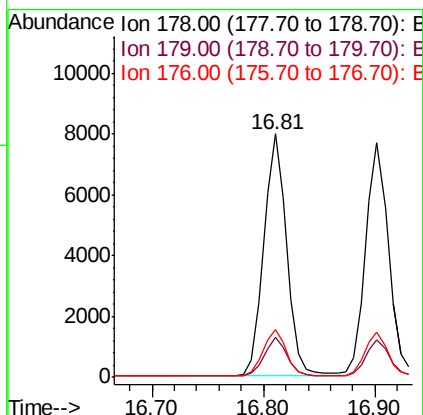
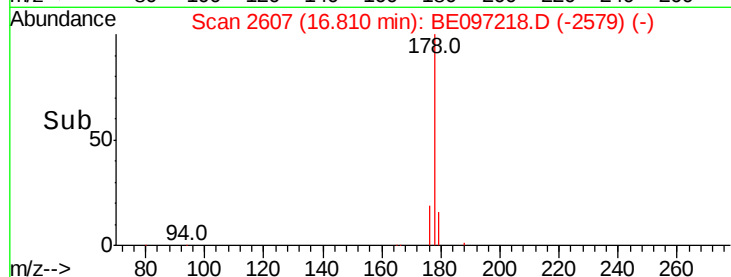
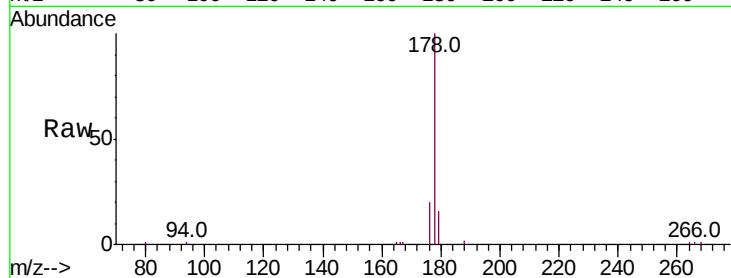
Tot Ion:178 Resp: 11272

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

176 19.5 13.6 20.4



#13

Anthracene

Concen: 0.403 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

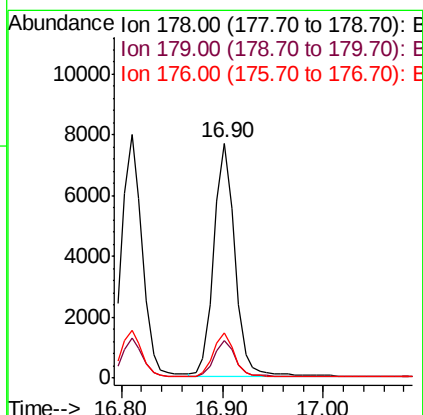
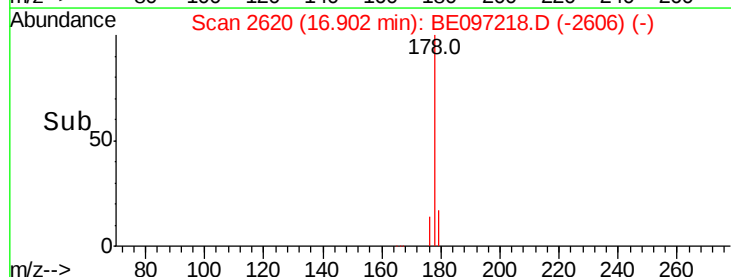
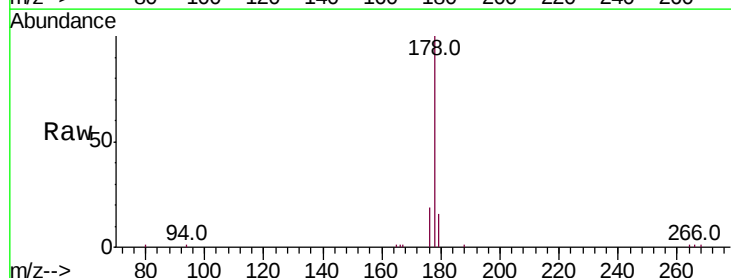
Tgt Ion:178 Resp: 10886

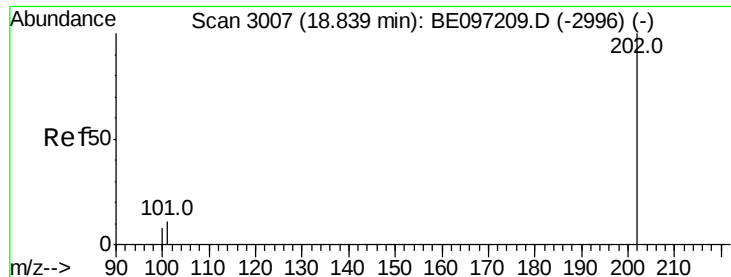
Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

176 19.0 14.7 22.1

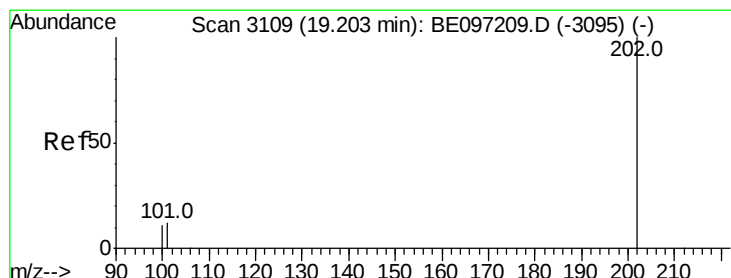
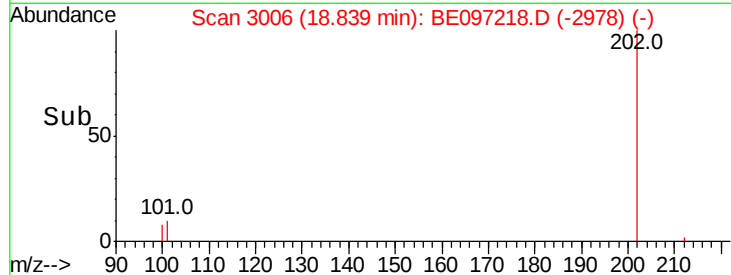
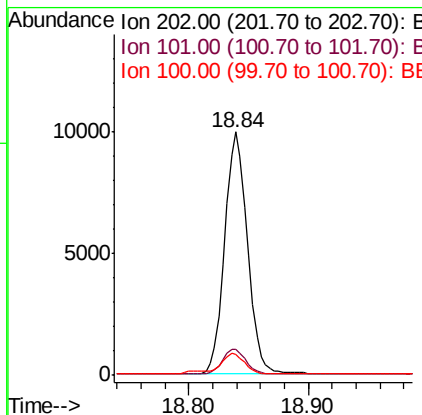
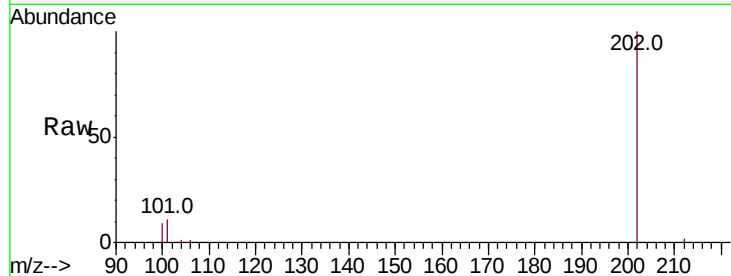




#15
 Fluoranthene
 Concen: 0.344 ng/ul
 RT: 18.84 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: BE097218.D
 Acq: 5 Aug 2018 2:11

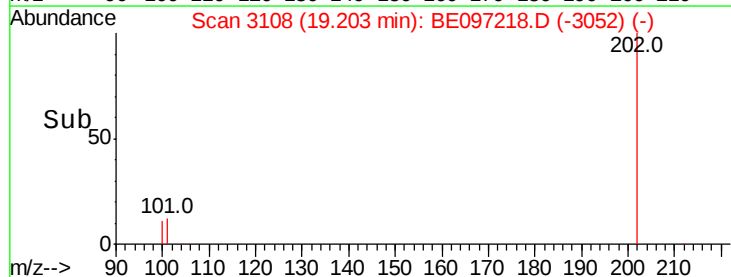
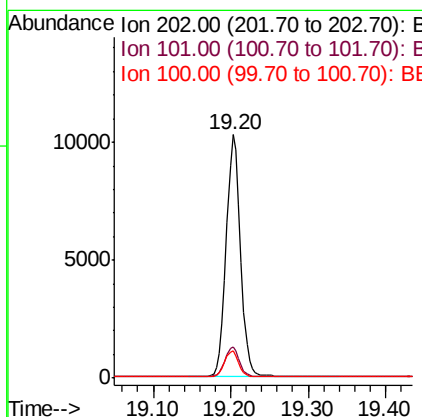
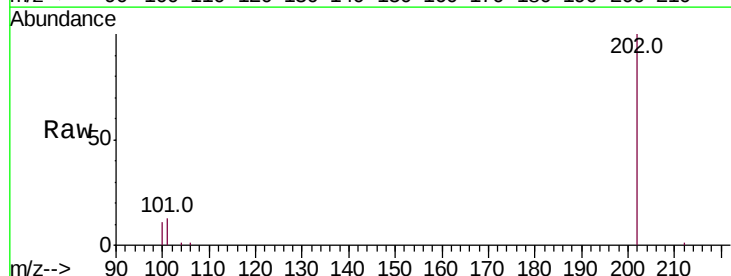
Instrument :
 BNA_E
 ClientSampleId :

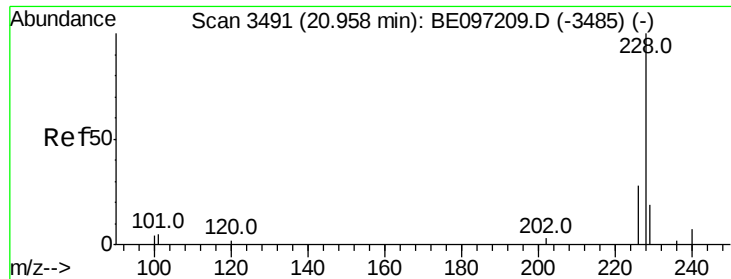
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.3
100	8.6	0.0	39.5



#17
 Pyrene
 Concen: 0.418 ng/ul
 RT: 19.20 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: BE097218.D
 Acq: 5 Aug 2018 2:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	18.2	27.4#
100	11.0	15.6	23.4#

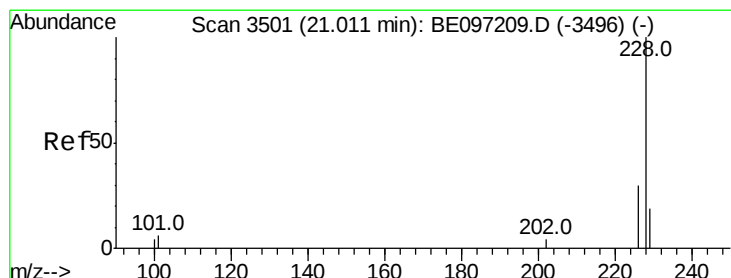
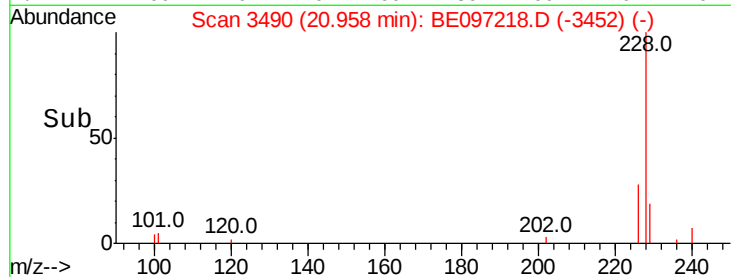
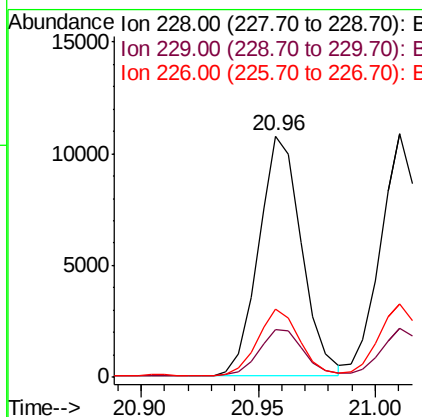
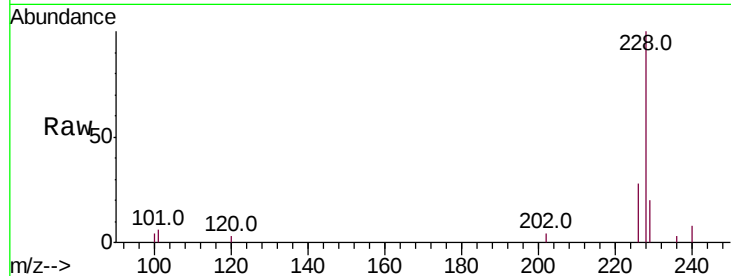




#18
Benzo(a)anthracene
Concen: 0.403 ng/ul
RT: 20.96 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BE097218.D
Acq: 5 Aug 2018 2:11

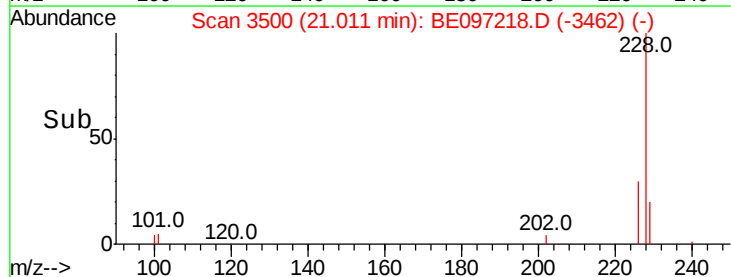
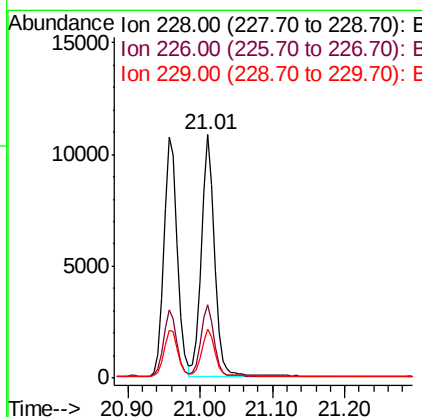
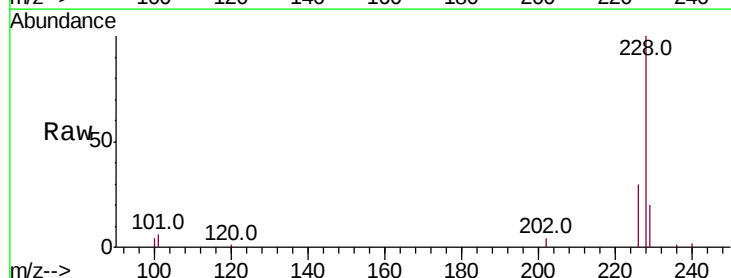
Instrument :
BNA_E
ClientSampleId :

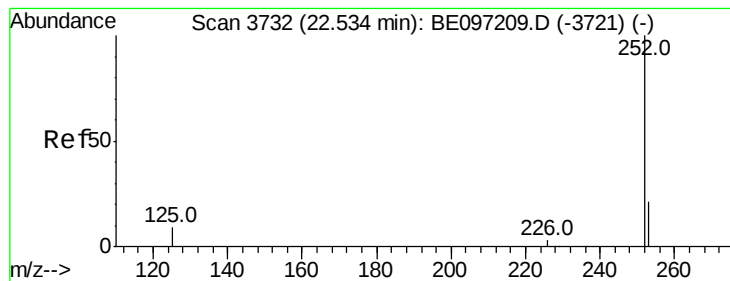
Tot Ion:228 Resp: 13606
Ion Ratio Lower Upper
228 100
229 19.8 22.8 34.2#
226 28.2 17.0 25.6#



#19
Chrysene
Concen: 0.392 ng/ul
RT: 21.01 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BE097218.D
Acq: 5 Aug 2018 2:11

Tgt Ion:228 Resp: 13650
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.0
229 20.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.407 ng/ul

RT: 22.54 min Scan# 3731

Delta R.T. 0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

Instrument :

BNA_E

ClientSampleId :

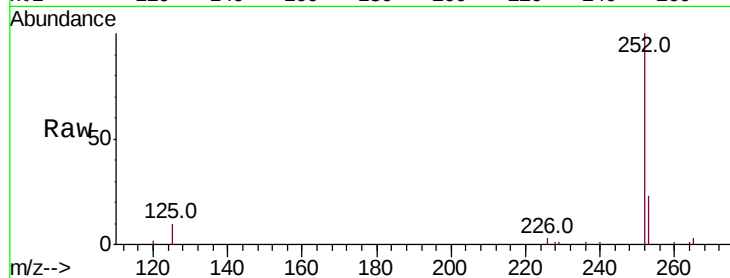
Tot Ion:252 Resp: 13453

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

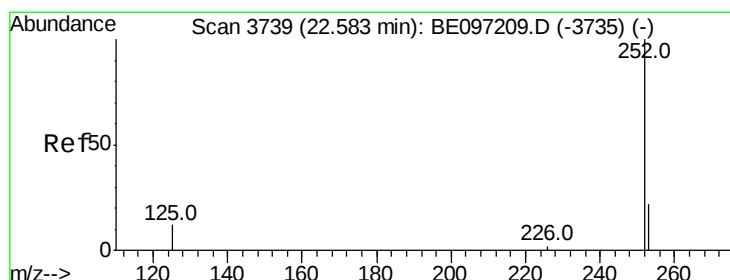
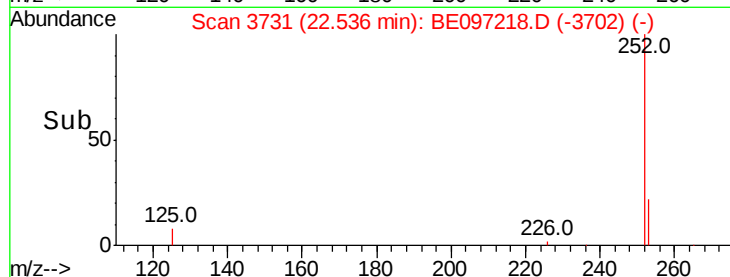
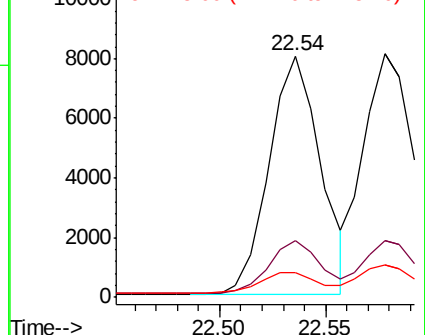
125 10.2 0.0 35.0



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: 0.390 ng/ul

RT: 22.58 min Scan# 3737

Delta R.T. -0.01 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

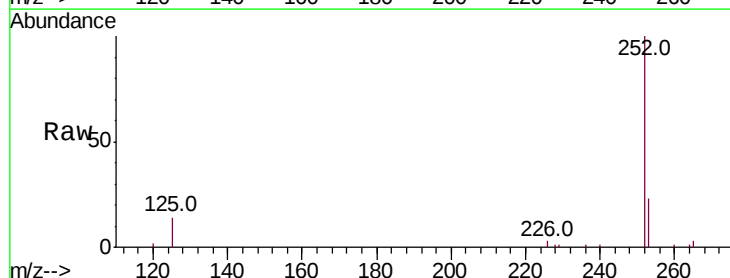
Tgt Ion:252 Resp: 13912

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

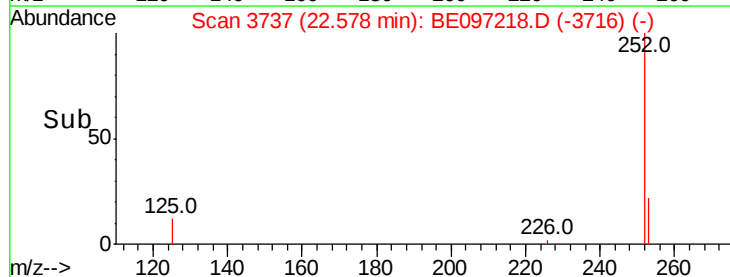
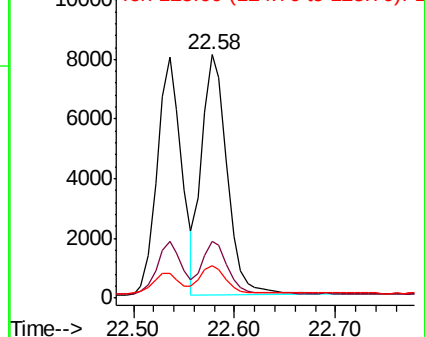
125 13.5 13.7 20.5#

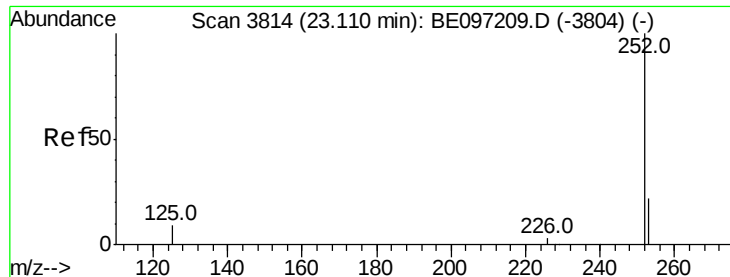


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

Instrument :

BNA_E

ClientSampleId :

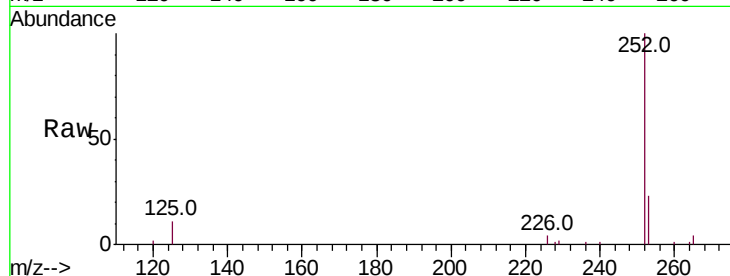
Tot Ion:252 Resp: 13382

Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

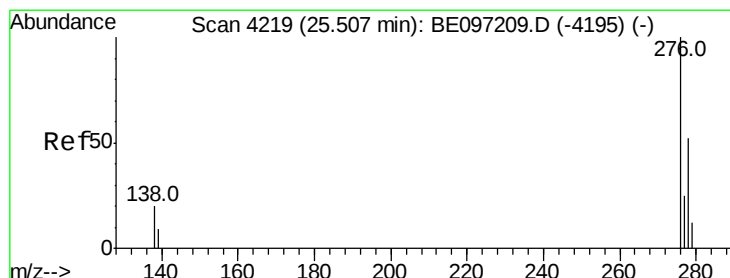
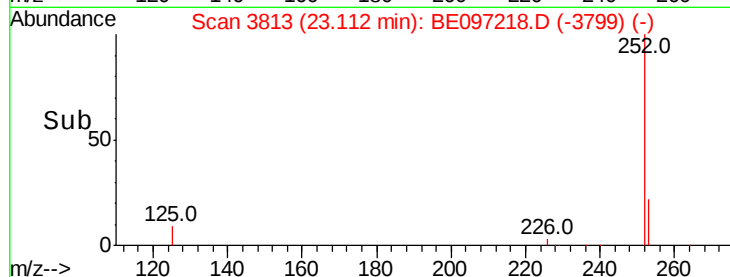
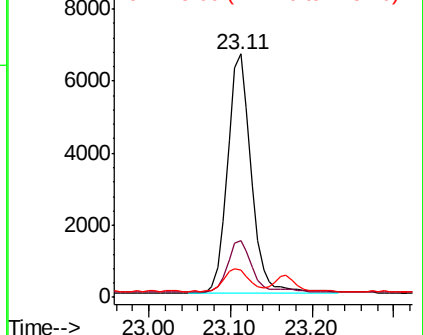
125 11.0 18.1 27.1#



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: 0.407 ng/ul

RT: 25.50 min Scan# 4217

Delta R.T. -0.00 min

Lab File: BE097218.D

Acq: 5 Aug 2018 2:11

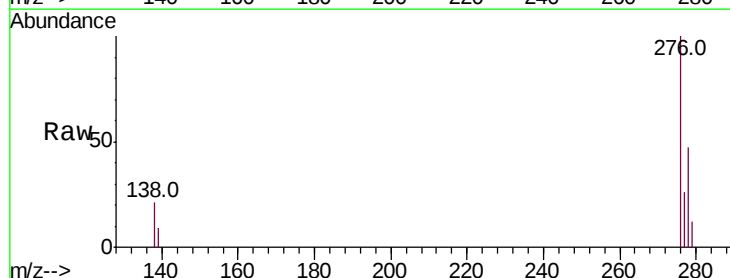
Tgt Ion:276 Resp: 16867

Ion Ratio Lower Upper

276 100

138 22.1 28.0 42.0#

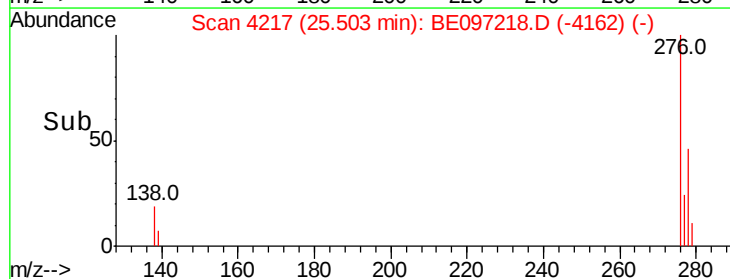
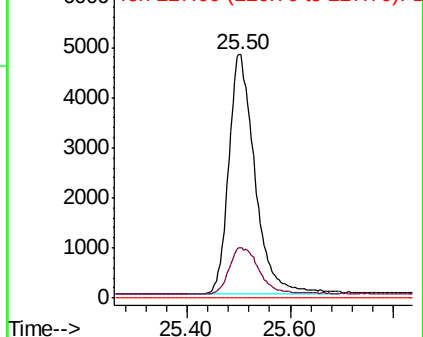
227 0.0 8.0 12.0#

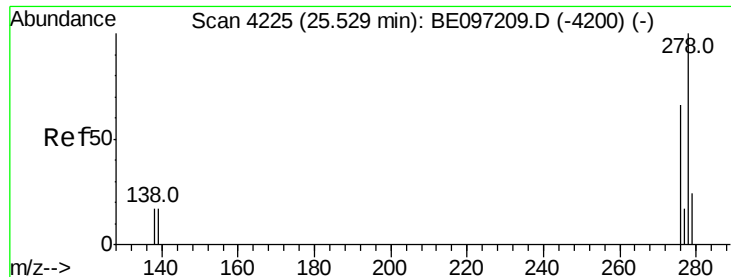


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

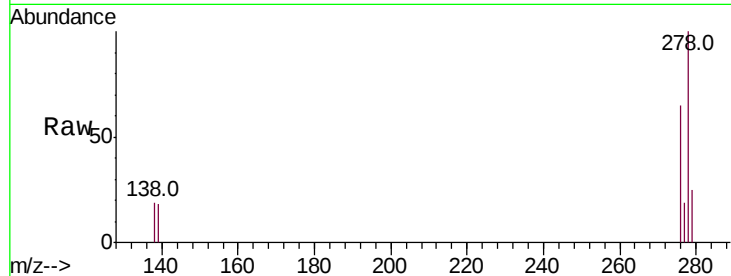




#25
Dibenzo(a,h)anthracene
Concen: 0.412 ng/ul
RT: 25.53 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BE097218.D
Acq: 5 Aug 2018 2:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	17.4	26.0
279	25.3	25.9	38.9#

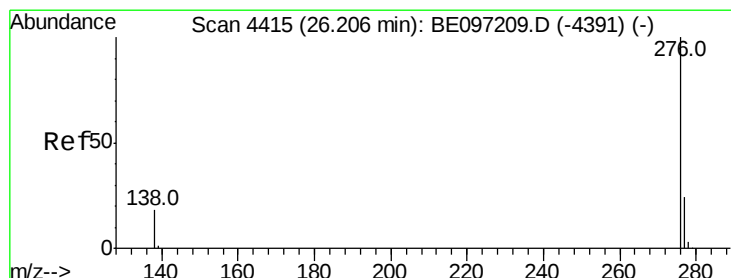
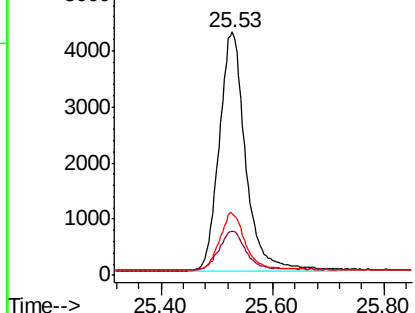
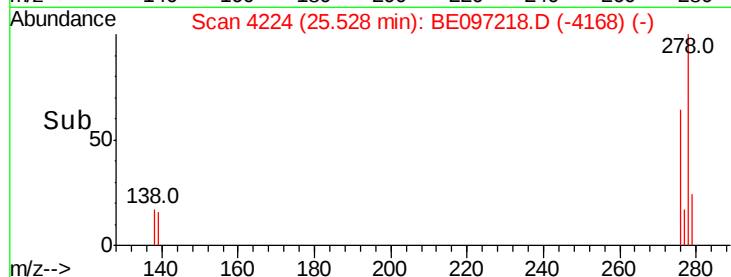


Abundance

Ion 278.00 (277.70 to 278.70): E

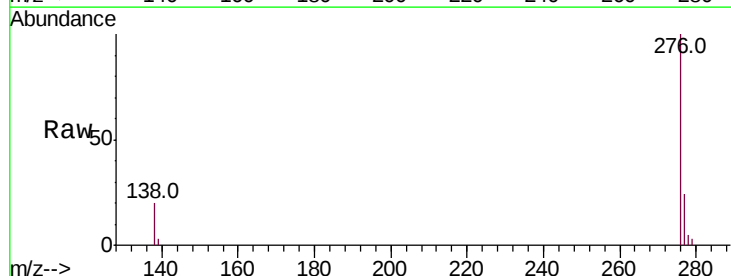
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.397 ng/ul
RT: 26.20 min Scan# 4413
Delta R.T. -0.00 min
Lab File: BE097218.D
Acq: 5 Aug 2018 2:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	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

