

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097467.D
 Acq On : 13 Sep 2018 1:13
 Operator : SJ/JU
 Sample : J4792-04DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 01:54:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 01:51:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1039	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	6004	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4156	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	10604	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	12090	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	13338	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	400	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	1401	0.04	ng/ul	0.00

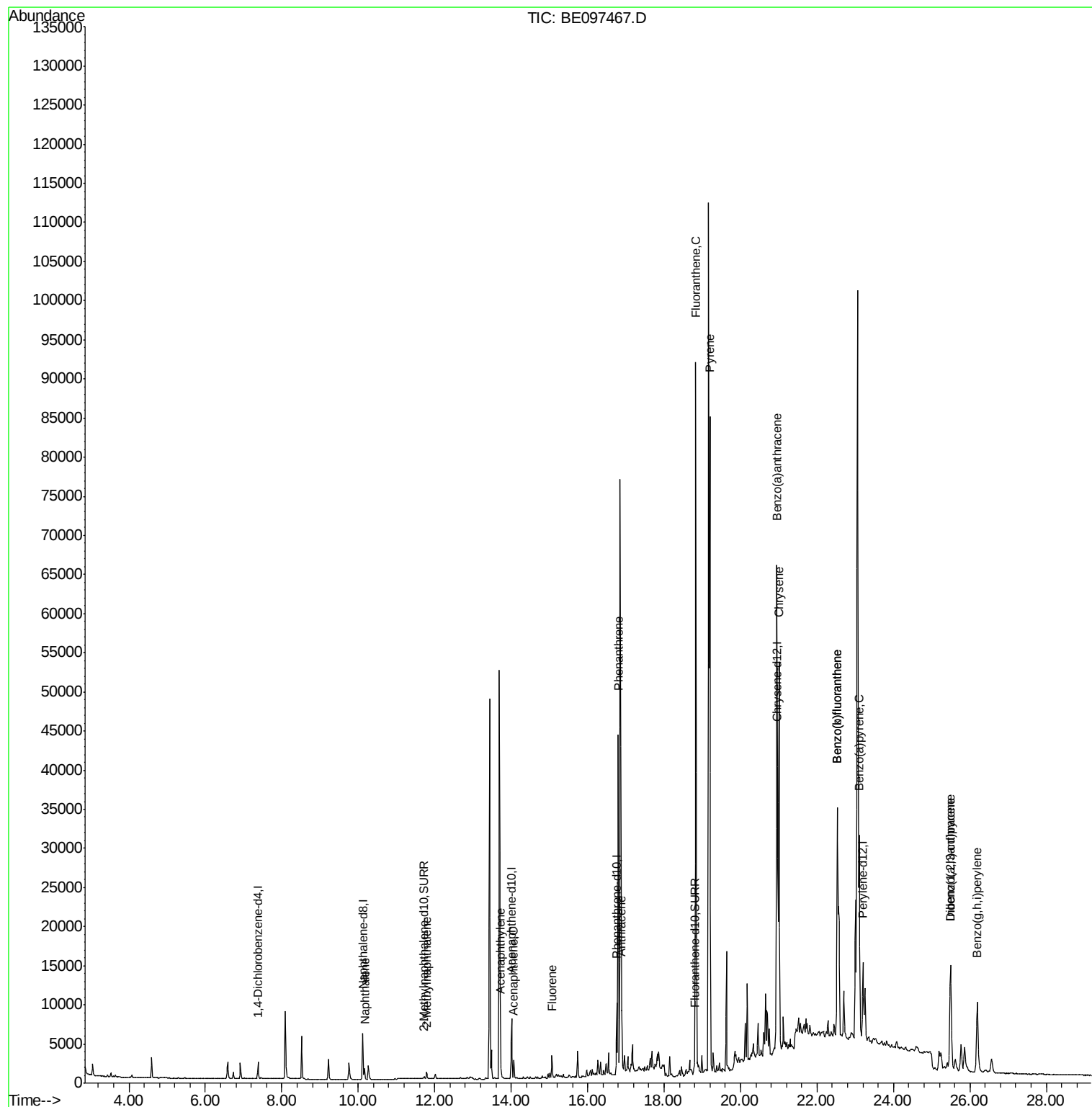
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	2057	0.141	ng/ul#	96
5) 2-Methylnaphthalene	11.79	142	744	0.080	ng/ul	98
7) Acenaphthylene	13.72	152	2042	0.135	ng/ul	96
8) Acenaphthene	14.07	153	1398	0.107	ng/ul	93
9) Fluorene	15.07	166	1729	0.116	ng/ul	91
12) Phenanthrene	16.80	178	46930	1.719	ng/ul#	89
13) Anthracene	16.89	178	8740	0.381	ng/ul#	93
15) Fluoranthene	18.83	202	99328	2.833	ng/ul	84
17) Pyrene	19.20	202	90101	2.769	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	46851	1.509	ng/ul#	86
19) Chrysene	21.01	228	44350	1.239	ng/ul	97
21) Benzo(b)fluoranthene	22.53	252	65870	1.844	ng/ul	90
22) Benzo(k)fluoranthene	22.53	252	65870	1.654	ng/ul	92
23) Benzo(a)pyrene	23.10	252	34177	1.034	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.49	276	21558	0.503	ng/ul#	75
25) Dibenzo(a,h)anthracene	25.50	278	6278	0.173	ng/ul#	81
26) Benzo(a,h,i)perylene	26.19	276	18973	0.520	ng/ul#	94

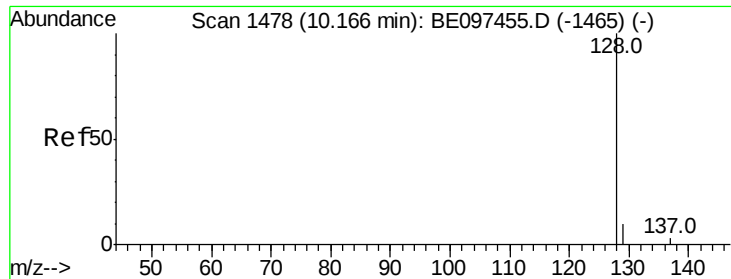
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.141 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

Instrument :

BNA_E

ClientSampleId :

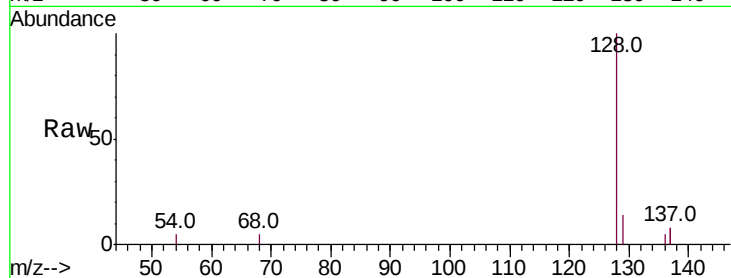
Tot Ion:128 Resp: 2057

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

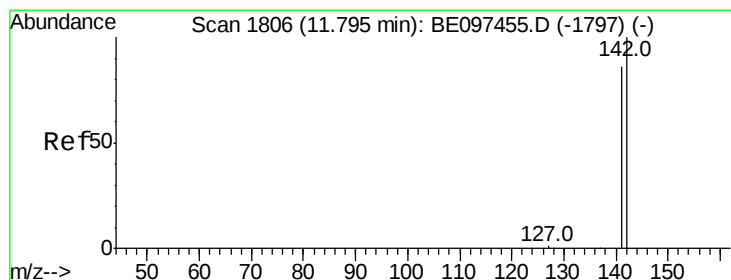
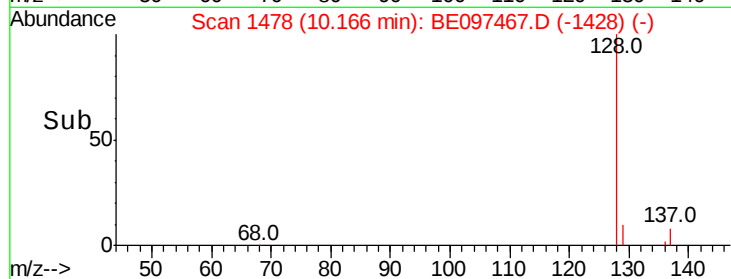
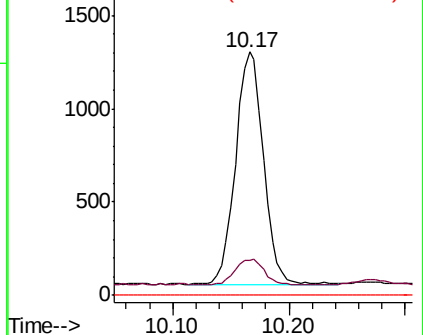
127 0.0 4.0 6.0#



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: 0.080 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BE097467.D

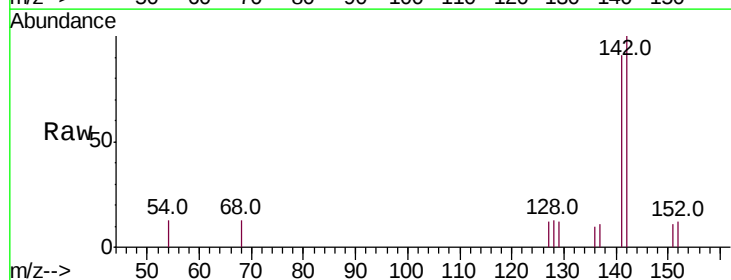
Acq: 13 Sep 2018 1:13

Tgt Ion:142 Resp: 744

Ion Ratio Lower Upper

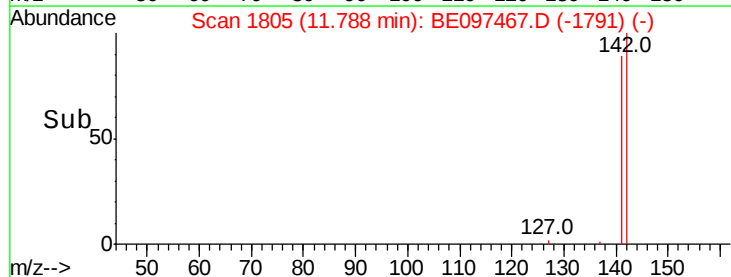
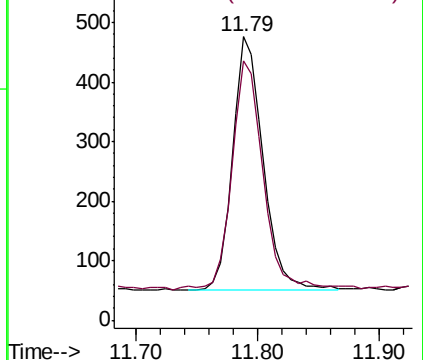
142 100

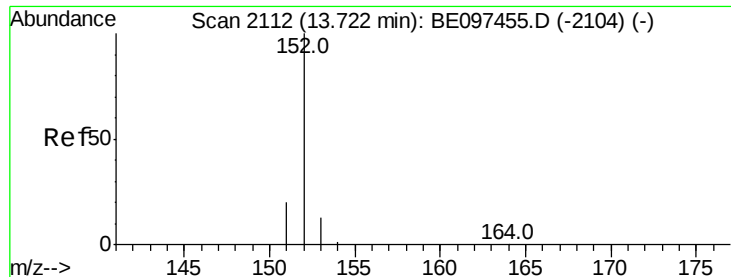
141 92.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.135 ng/ul

RT: 13.72 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

Instrument :

BNA_E

ClientSampleId :

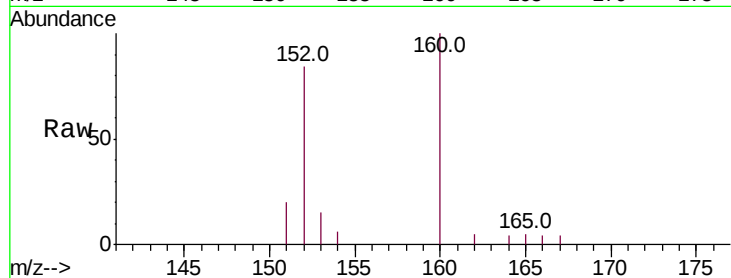
Tot Ion:152 Resp: 2042

Ion Ratio Lower Upper

152 100

151 23.7 17.1 25.7

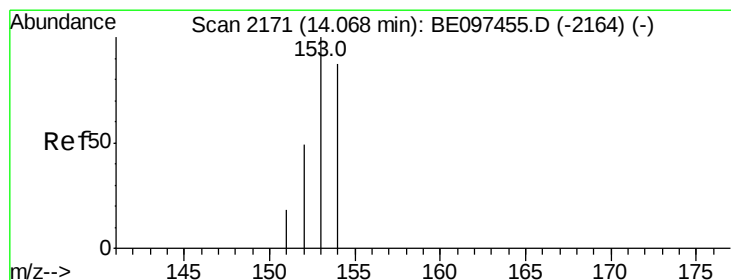
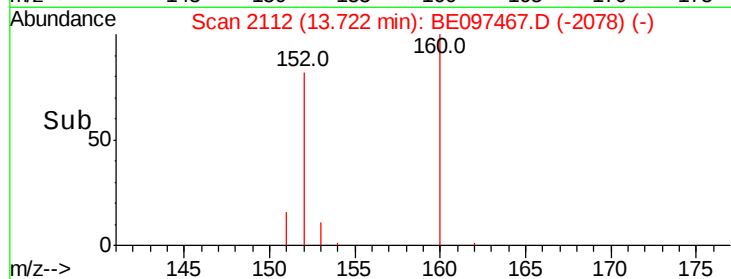
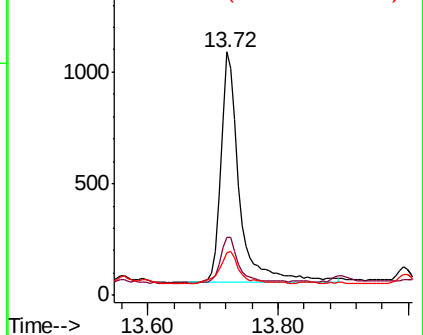
153 17.3 12.8 19.2



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: 0.107 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

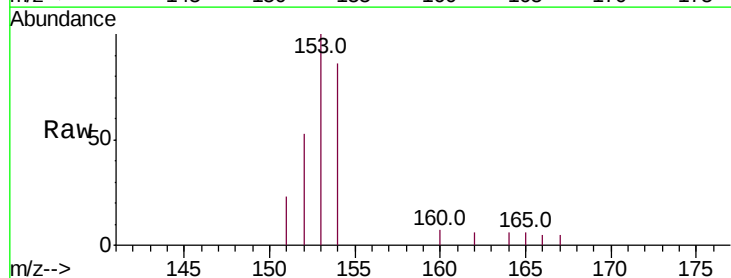
Tgt Ion:153 Resp: 1398

Ion Ratio Lower Upper

153 100

152 52.6 36.0 54.0

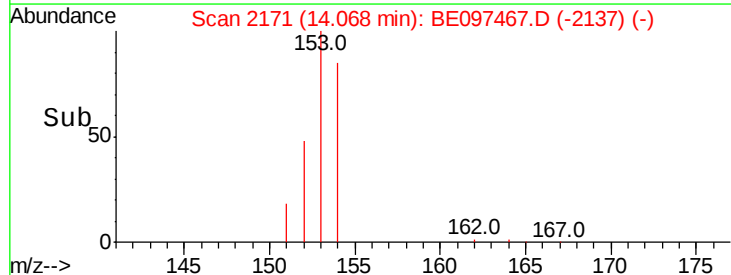
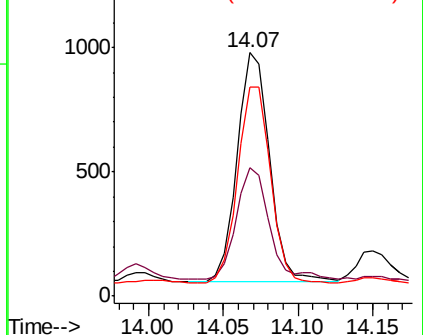
154 85.7 72.0 108.0

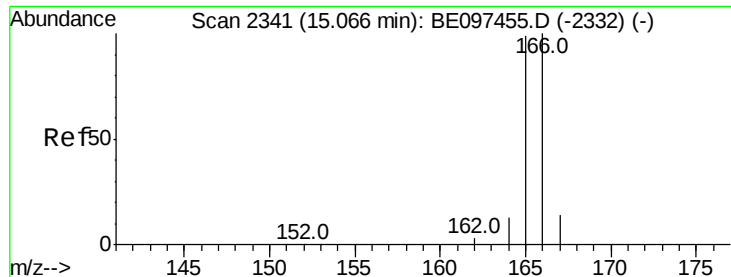


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

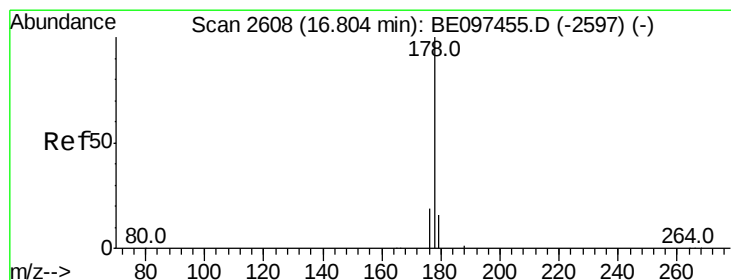
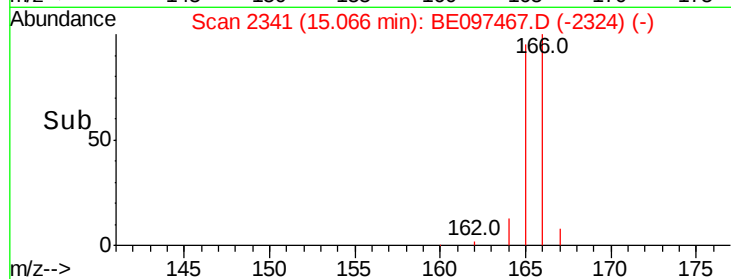
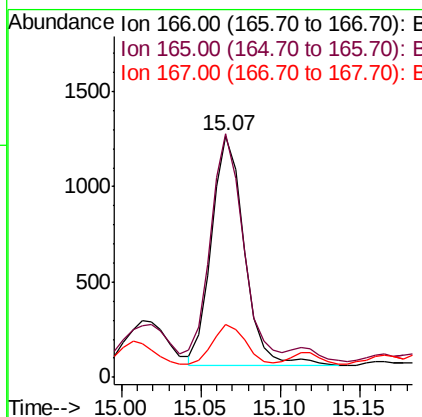
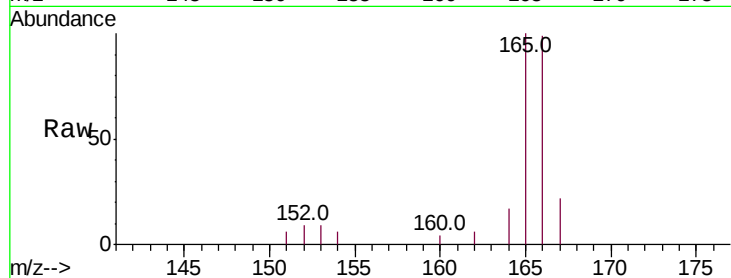




#9
Fluorene
 Concen: 0.116 ng/ul
 RT: 15.07 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: BE097467.D
 Acq: 13 Sep 2018 1:13

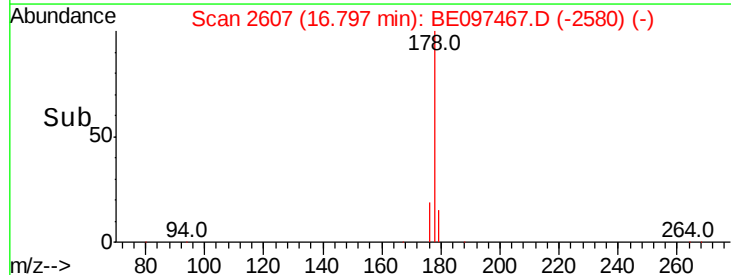
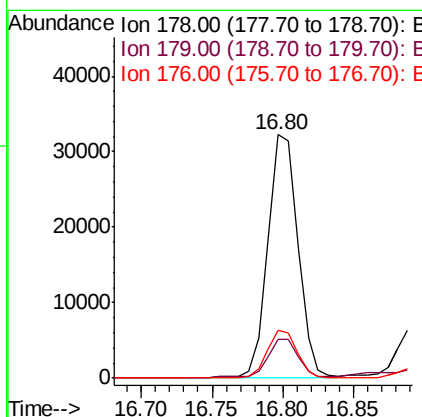
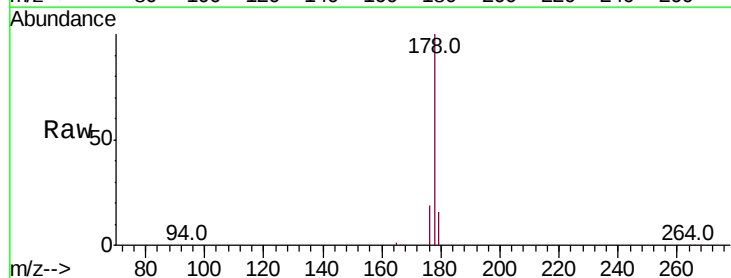
Instrument :
 BNA_E
 ClientSampleId :

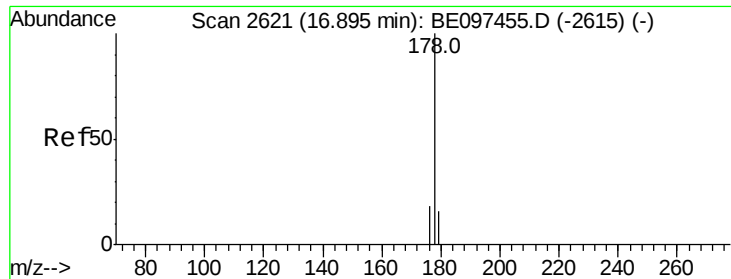
Tot Ion:166 Resp: 1729
 Ion Ratio Lower Upper
 166 100
 165 100.8 73.4 110.2
 167 21.7 14.6 22.0



#12
Phenanthrene
 Concen: 1.719 ng/ul
 RT: 16.80 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BE097467.D
 Acq: 13 Sep 2018 1:13

Tgt Ion:178 Resp: 46930
 Ion Ratio Lower Upper
 178 100
 179 15.9 18.4 27.6#
 176 19.5 13.6 20.4

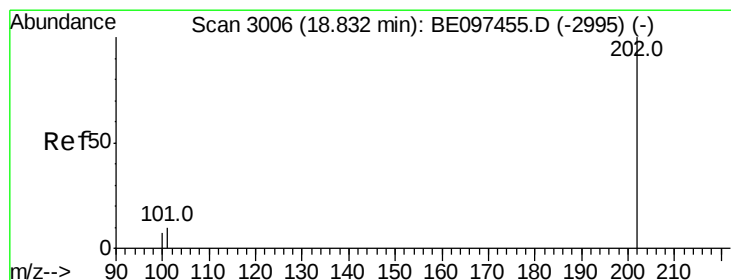
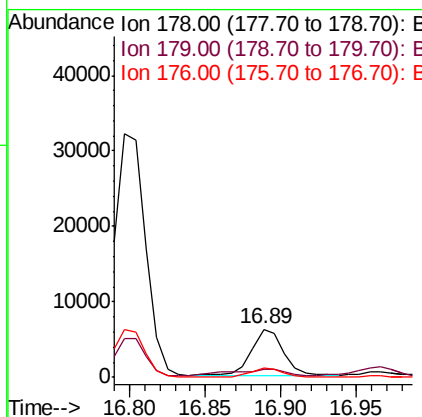
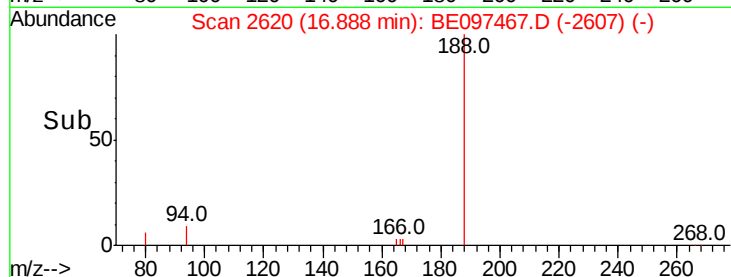
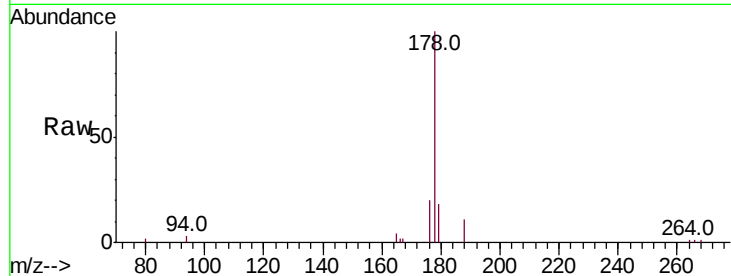




#13
 Anthracene
 Concen: 0.381 ng/ul
 RT: 16.89 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BE097467.D
 Acq: 13 Sep 2018 1:13

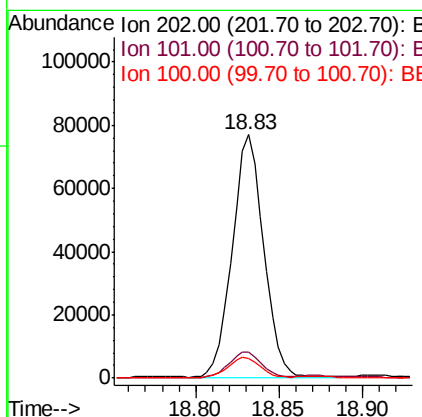
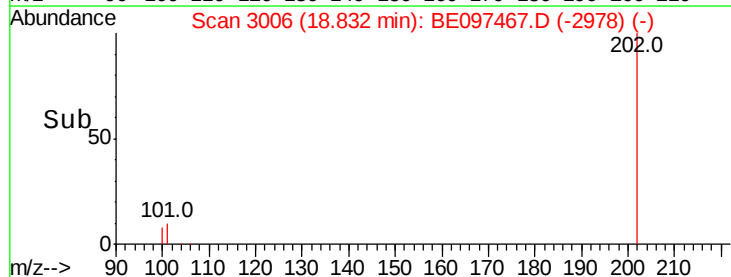
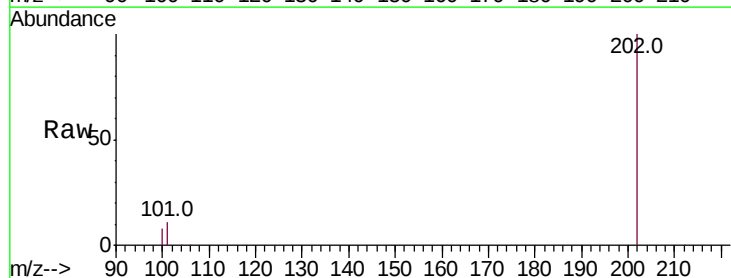
Instrument :
 BNA_E
 ClientSampleId :

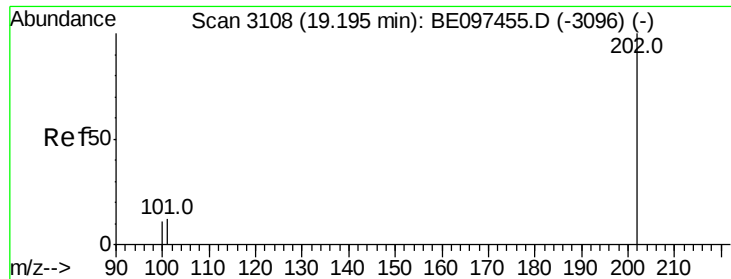
Tot Ion:178 Resp: 8740
 Ion Ratio Lower Upper
 178 100
 179 17.9 18.1 27.1#
 176 19.7 14.7 22.1



#15
 Fluoranthene
 Concen: 2.833 ng/ul
 RT: 18.83 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: BE097467.D
 Acq: 13 Sep 2018 1:13

Tgt Ion:202 Resp: 99328
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.3
 100 8.3 0.0 39.5

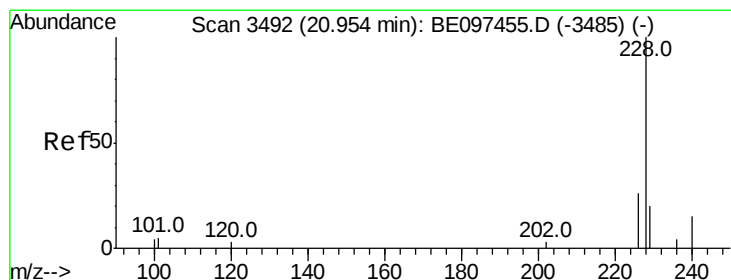
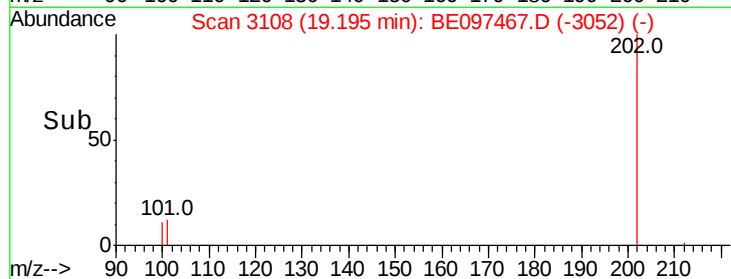
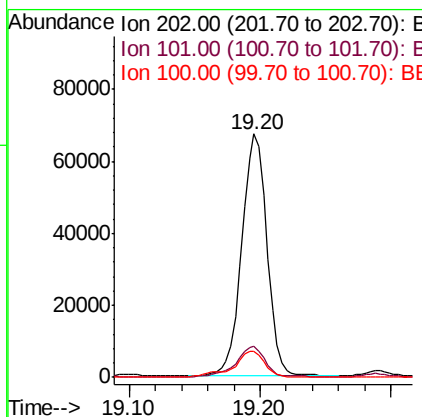
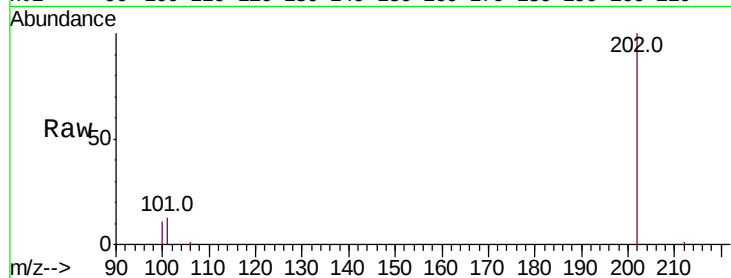




#17
Pvrene
Concen: 2.769 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BE097467.D
Acq: 13 Sep 2018 1:13

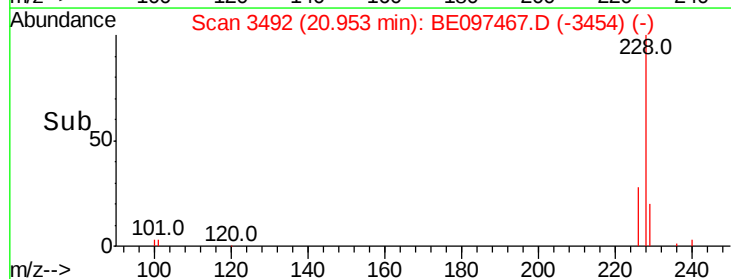
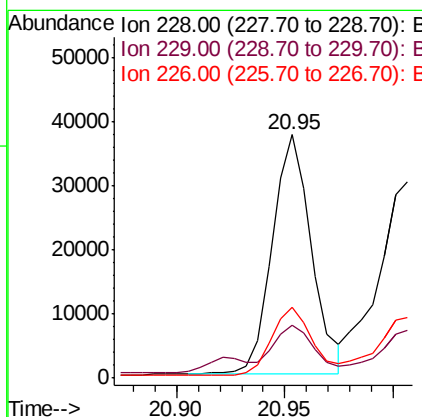
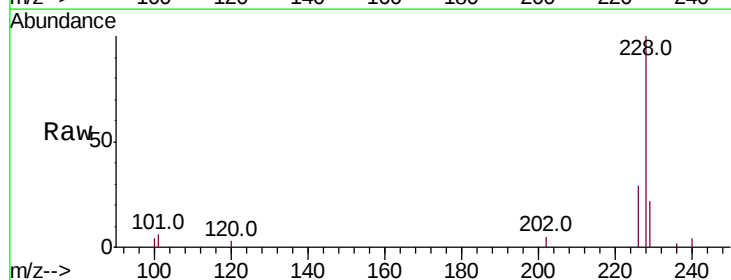
Instrument :
BNA_E
ClientSampleId :

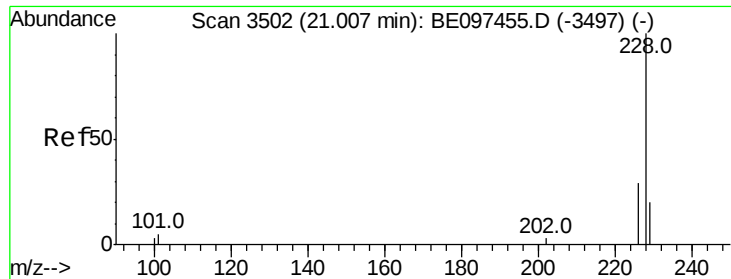
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	18.2	27.4#
100	10.8	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 1.509 ng/ul
RT: 20.95 min Scan# 3492
Delta R.T. -0.00 min
Lab File: BE097467.D
Acq: 13 Sep 2018 1:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	22.8	34.2#
226	28.9	17.0	25.6#





#19

Chrysene

Concen: 1.239 ng/ul

RT: 21.01 min Scan# 3502

Delta R.T. -0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

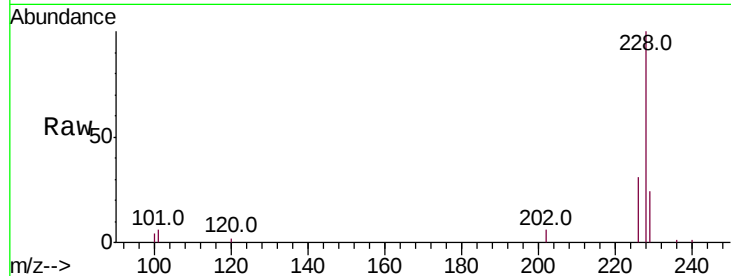
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 44350

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.0
229	24.2	17.7	26.5

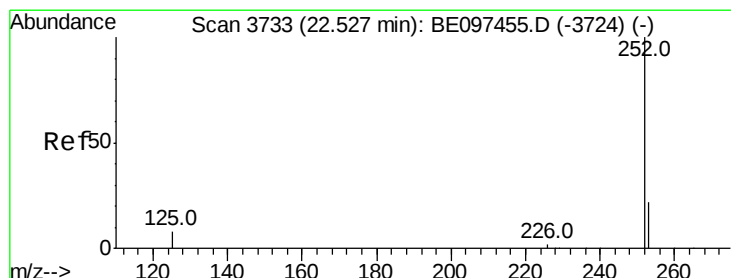
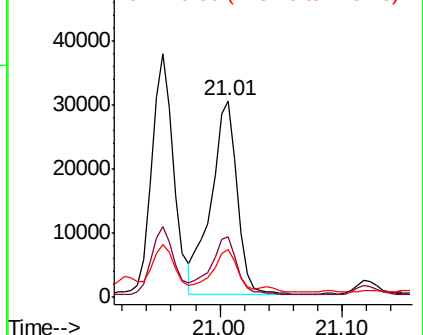
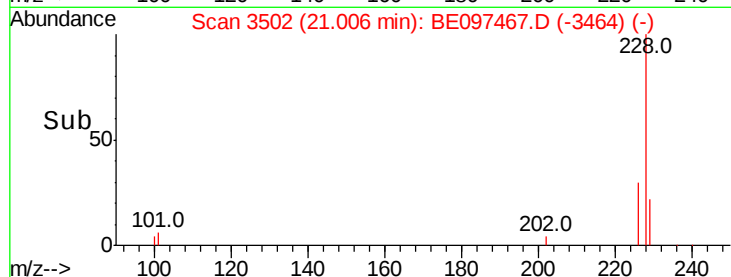


Abundance

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: 1.844 ng/ul

RT: 22.53 min Scan# 3733

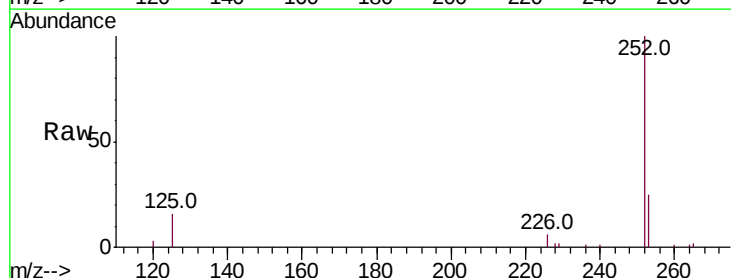
Delta R.T. -0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

Tgt Ion:252 Resp: 65870

Ion	Ratio	Lower	Upper
252	100		
253	24.9	0.0	64.2
125	15.9	0.0	35.0

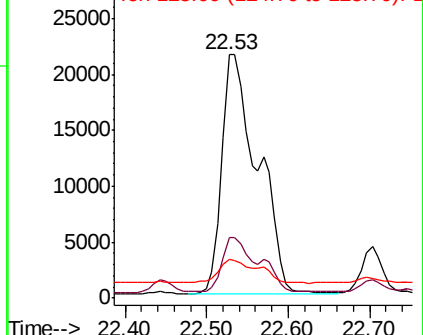
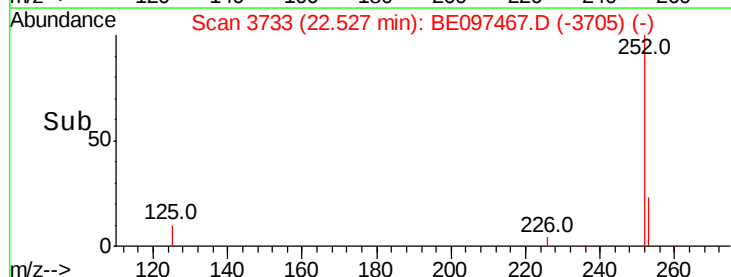


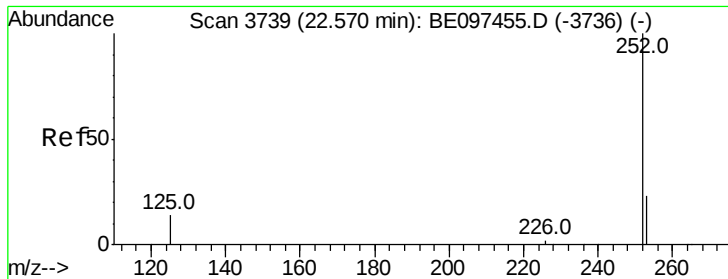
Abundance

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: 1.654 ng/ul

RT: 22.53 min Scan# 3733

Delta R.T. -0.04 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

Instrument :

BNA_E

ClientSampleId :

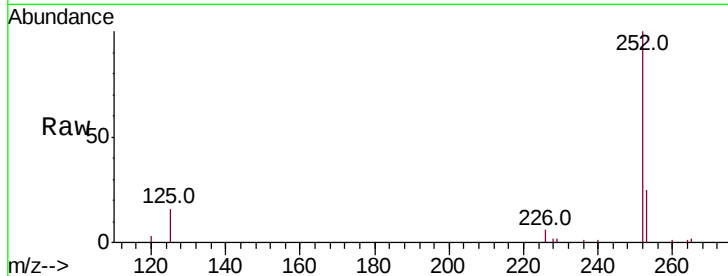
Tot Ion:252 Resp: 65870

Ion Ratio Lower Upper

252 100

253 24.9 24.5 36.7

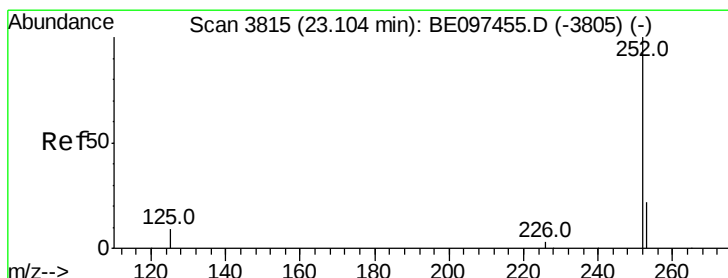
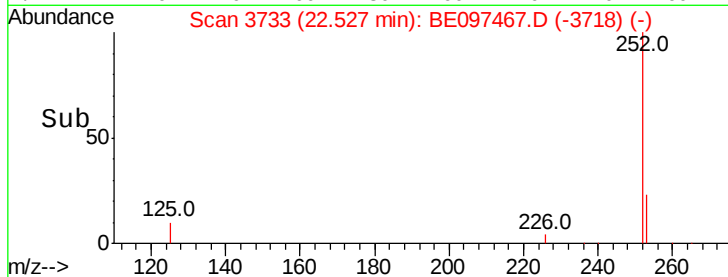
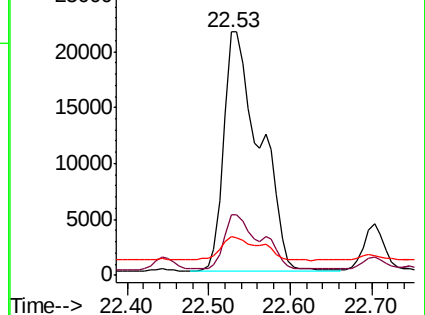
125 15.9 13.7 20.5



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: 1.034 ng/ul

RT: 23.10 min Scan# 3815

Delta R.T. -0.00 min

Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

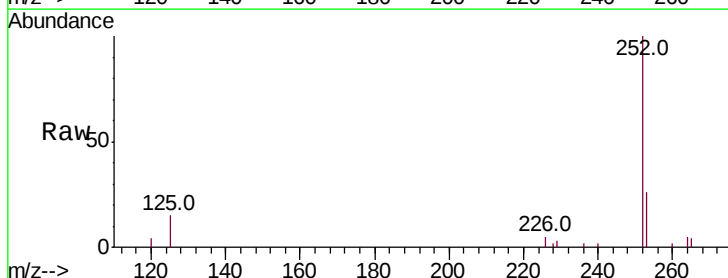
Tgt Ion:252 Resp: 34177

Ion Ratio Lower Upper

252 100

253 25.6 28.5 42.7#

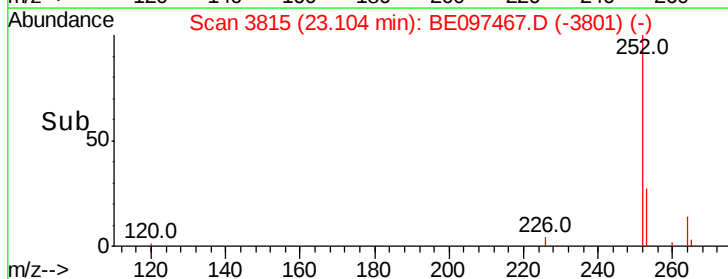
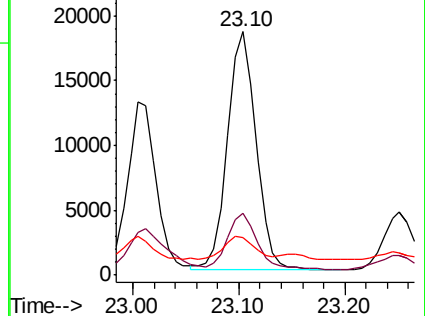
125 15.3 18.1 27.1#

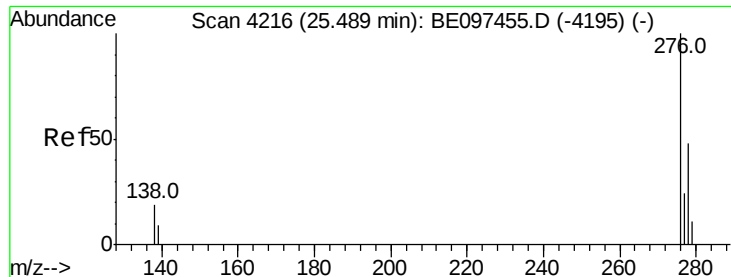


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



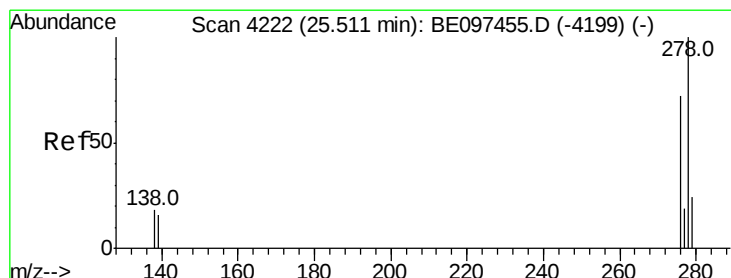
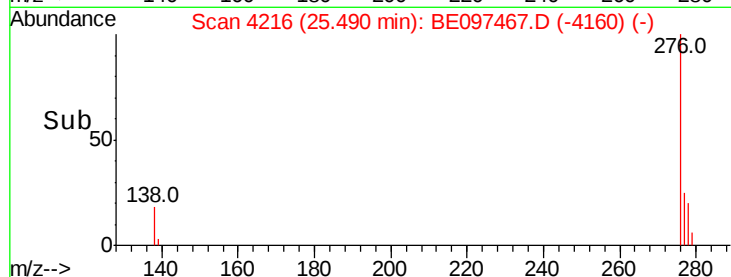
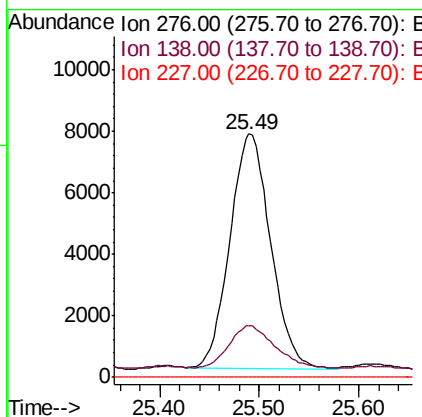
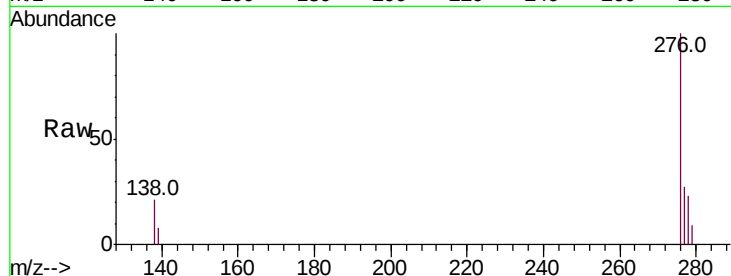


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.503 ng/ul
RT: 25.49 min Scan# 4216
Delta R.T. 0.00 min
Lab File: BE097467.D
Acq: 13 Sep 2018 1:13

Instrument :
BNA_E
ClientSampleId :

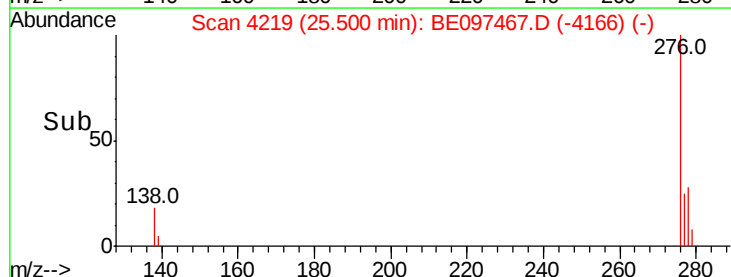
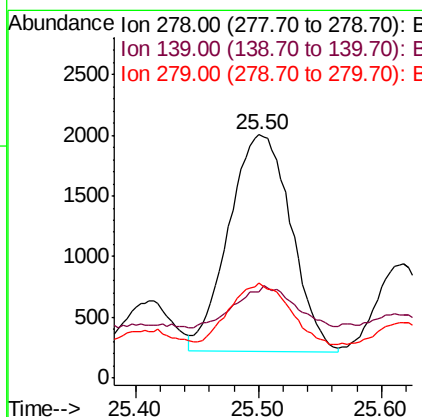
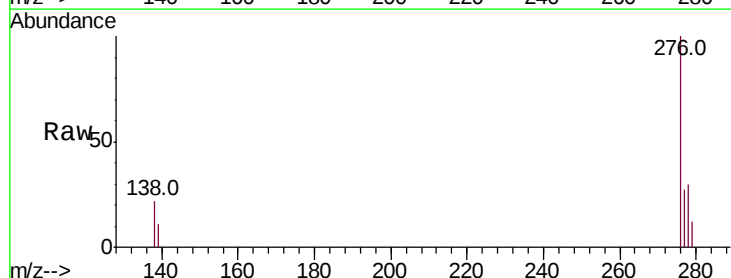
Tot Ion:276 Resp: 21558
Ion Ratio Lower Upper
276 100
138 20.7 28.0 42.0#
227 0.0 8.0 12.0#

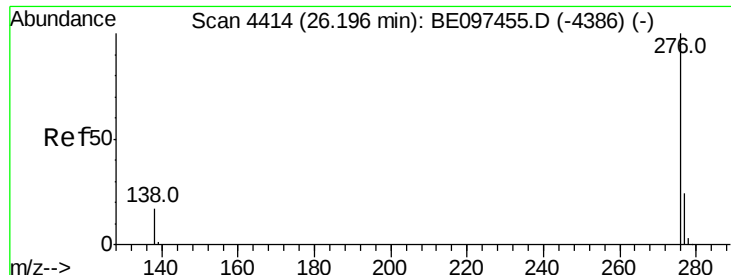


#25

Dibenzo(a,h)anthracene
Concen: 0.173 ng/ul
RT: 25.50 min Scan# 4219
Delta R.T. -0.01 min
Lab File: BE097467.D
Acq: 13 Sep 2018 1:13

Tgt Ion:278 Resp: 6278
Ion Ratio Lower Upper
278 100
139 35.7 17.4 26.0#
279 38.9 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.520 ng/ul

RT: 26.19 min Scan# 4413

Delta R.T. -0.00 min

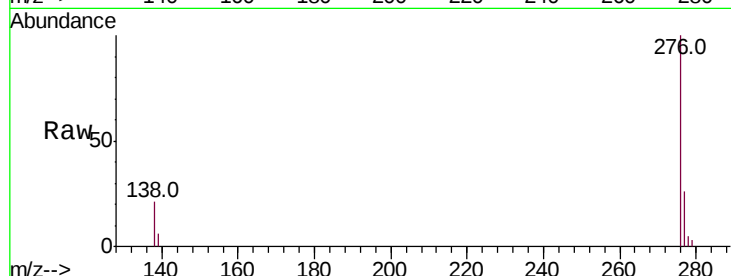
Lab File: BE097467.D

Acq: 13 Sep 2018 1:13

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	18973
Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.8	32.8#
277	25.7	20.5	30.7

