

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE090718\
 Data File : BE097427.D
 Acq On : 7 Sep 2018 16:35
 Operator : SJ/JU
 Sample : J4688-20MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 07 23:51:53 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 : Fri Sep 07 23:49:56 2018
 Response via : Initial Calibration

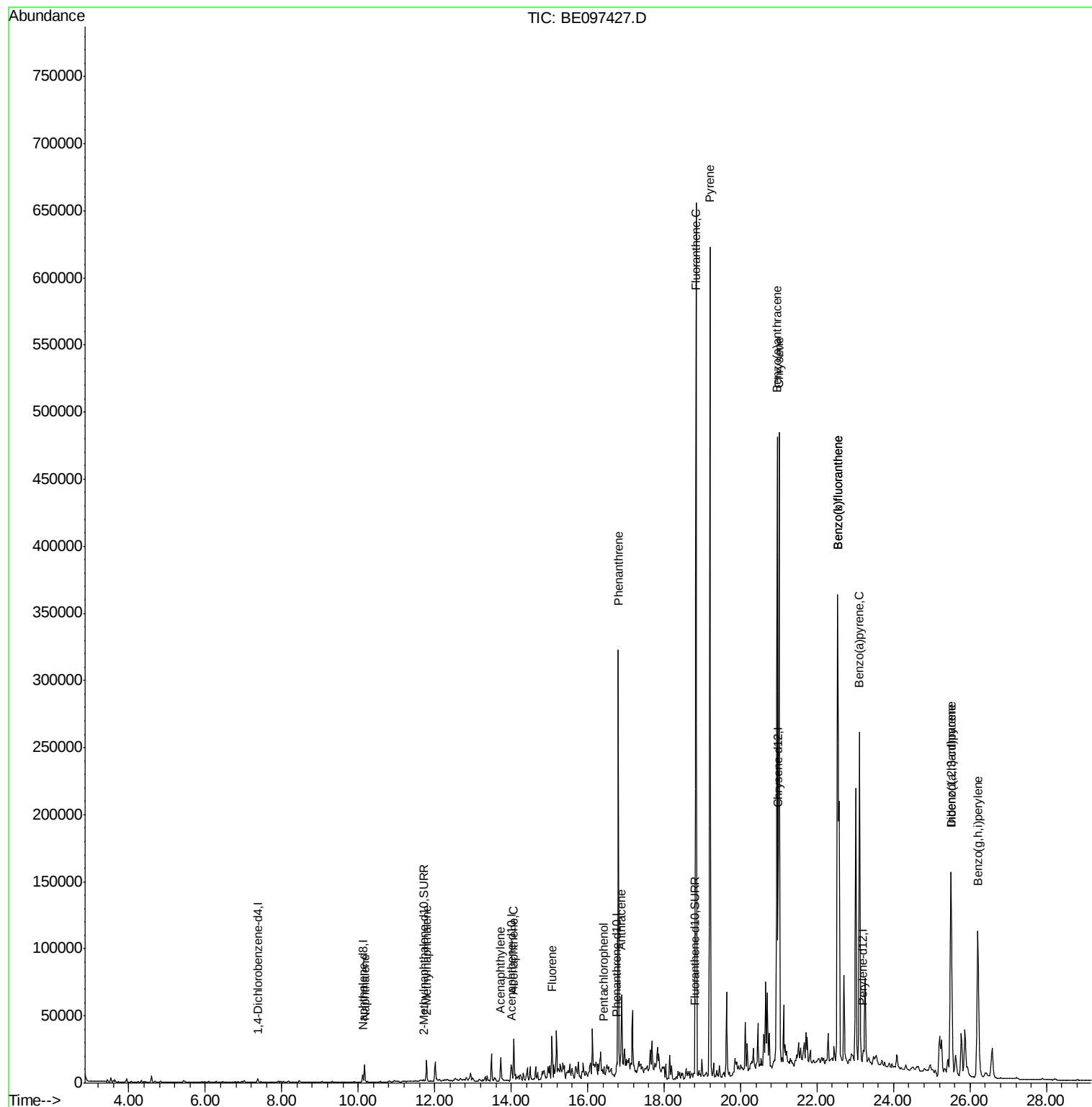
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1020	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4301	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9872	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11518	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11931	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	2105	0.24	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	7300	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	18664	1.366	ng/ul#	92
5) 2-Methylnaphthalene	11.79	142	13213	1.530	ng/ul	99
7) Acenaphthylene	13.73	152	25336	1.617	ng/ul	99
8) Acenaphthene	14.07	153	18360	1.362	ng/ul	95
9) Fluorene	15.07	166	16691	1.081	ng/ul#	87
11) Pentachlorophenol	16.43	266	479	0.493	ng/ul	95
12) Phenanthrene	16.80	178	334054	13.145	ng/ul#	89
13) Anthracene	16.89	178	64692	3.028	ng/ul#	94
15) Fluoranthene	18.83	202	720947	22.084	ng/ul	84
17) Pyrene	19.20	202	673559	21.731	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	363205	12.275	ng/ul#	84
19) Chrysene	21.01	228	437587	12.836	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	782252	24.483	ng/ul	84
22) Benzo(k)fluoranthene	22.54	252	782252	21.955	ng/ul#	86
23) Benzo(a)pyrene	23.11	252	341478	11.552	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.50	276	262594	6.854	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.51	278	71532	2.204	ng/ul	93
26) Benzo(g,h,i)perylene	26.21	276	238168	7.292	ng/ul#	90

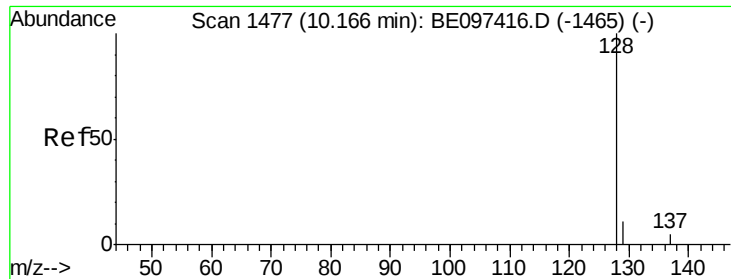
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.366 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

Instrument :

BNA_E

ClientSampleId :

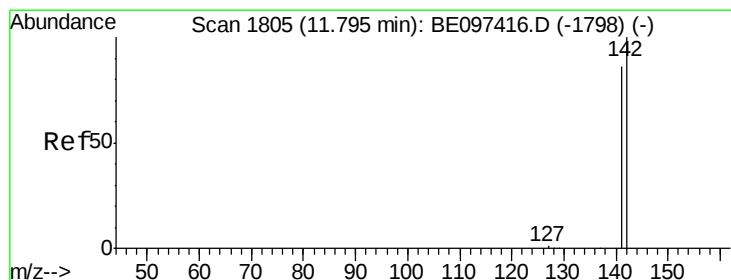
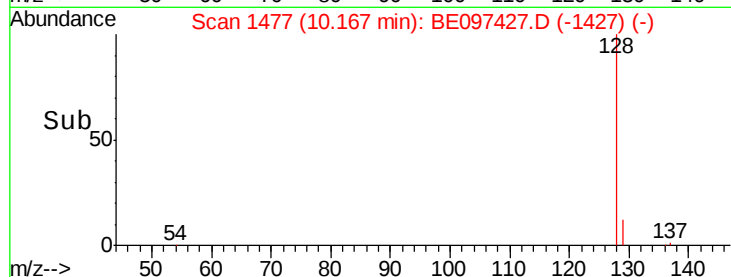
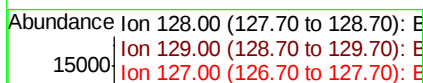
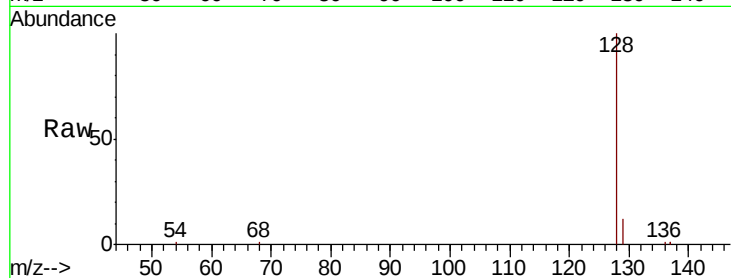
Tot Ion:128 Resp: 18664

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 1.530 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097427.D

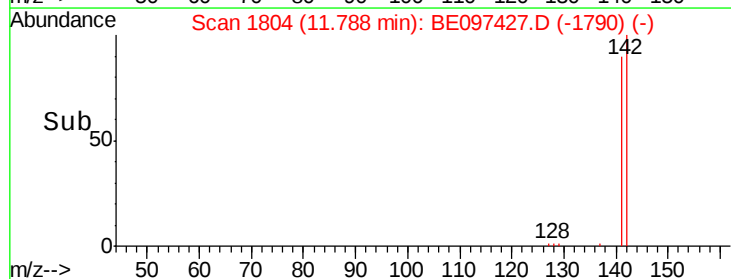
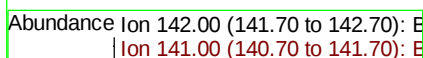
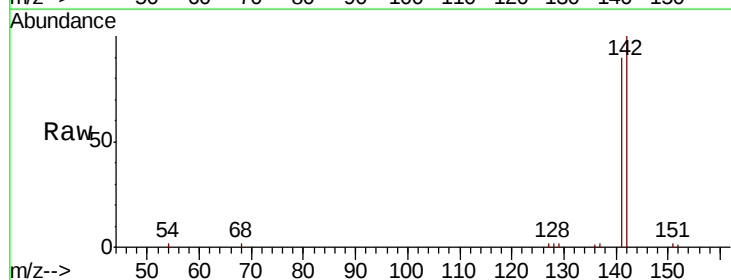
Acq: 7 Sep 2018 16:35

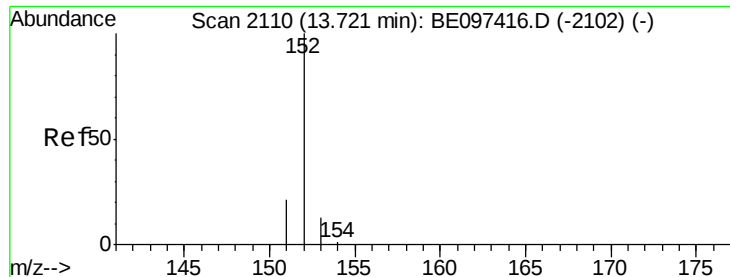
Tgt Ion:142 Resp: 13213

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8





#7

Acenaphthylene

Concen: 1.617 ng/ul

RT: 13.73 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

Instrument :

BNA_E

ClientSampleId :

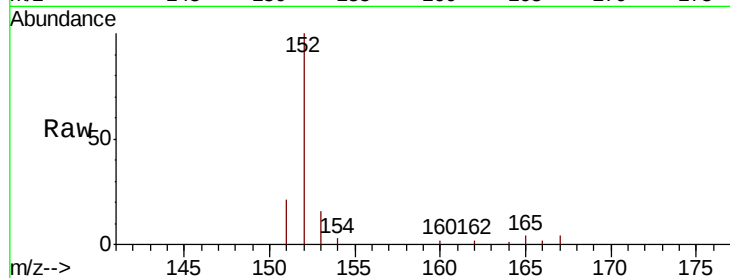
Tot Ion:152 Resp: 25336

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

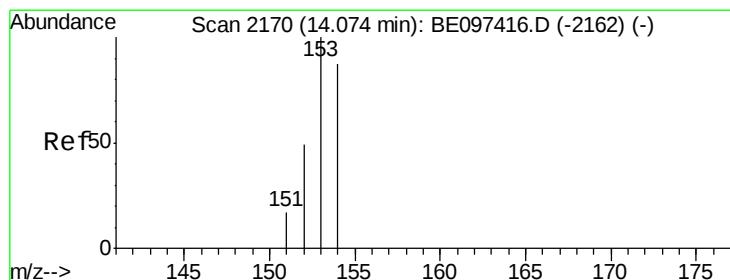
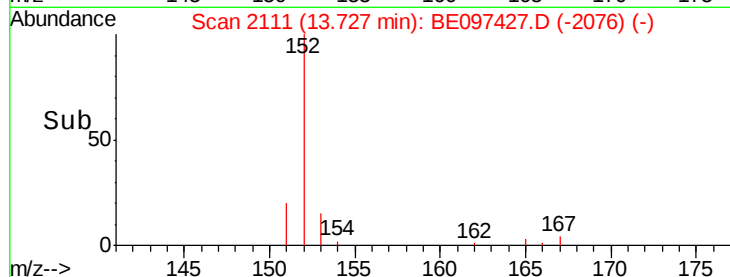
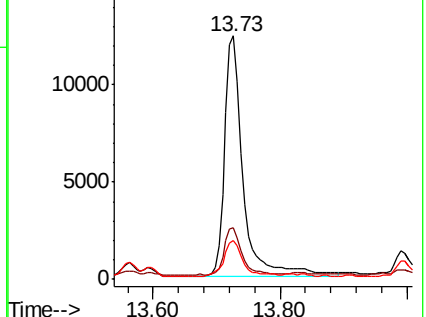
153 15.9 12.8 19.2



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: 1.362 ng/ul

RT: 14.07 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

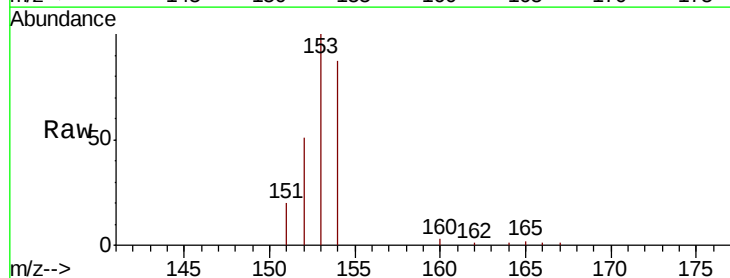
Tgt Ion:153 Resp: 18360

Ion Ratio Lower Upper

153 100

152 51.3 36.0 54.0

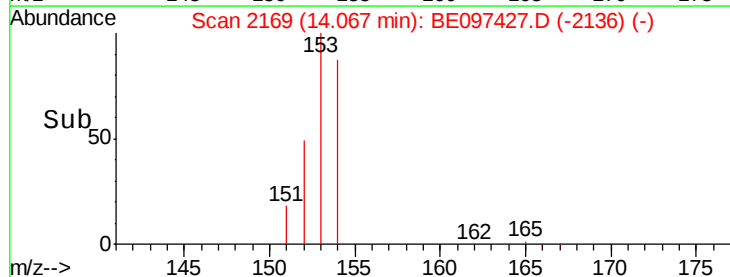
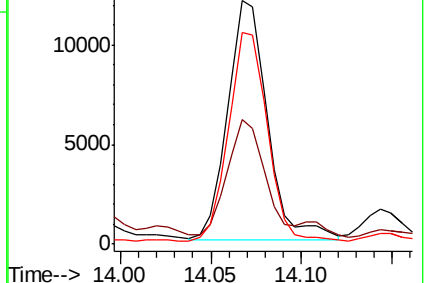
154 87.0 72.0 108.0

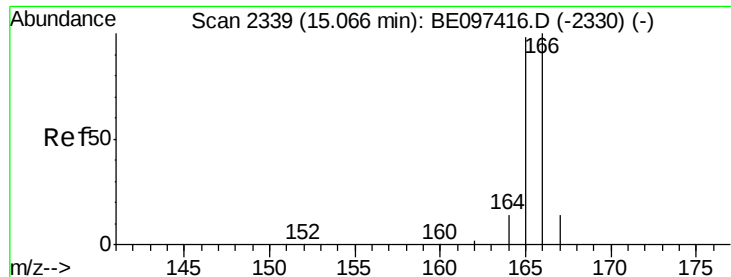


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

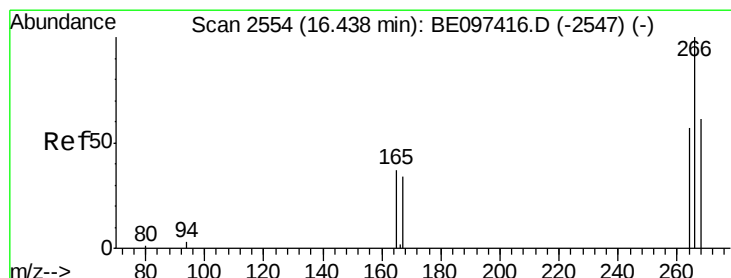
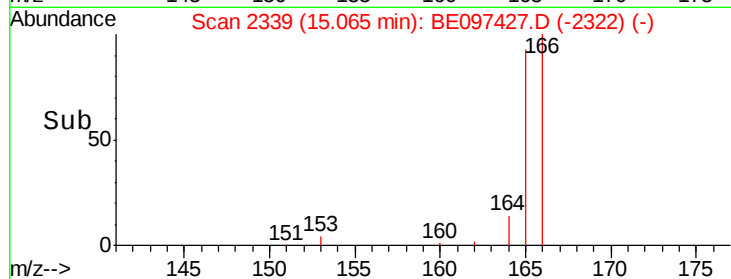
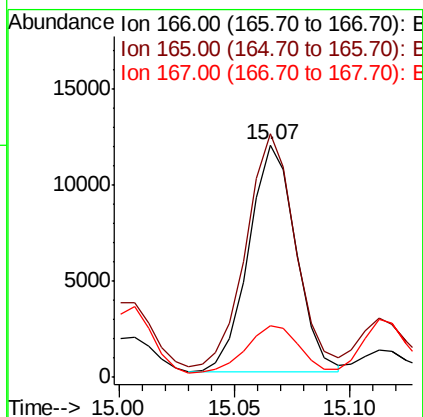
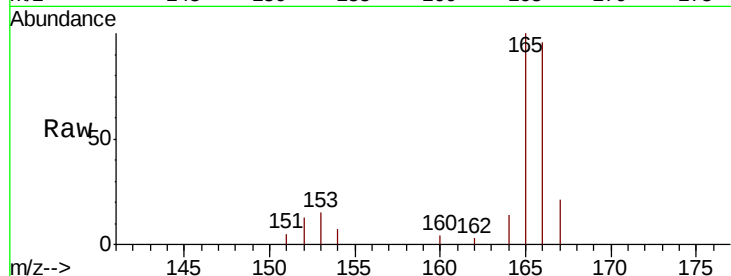




#9
Fluorene
 Concen: 1.081 ng/ul
 RT: 15.07 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: BE097427.D
 Acq: 7 Sep 2018 16:35

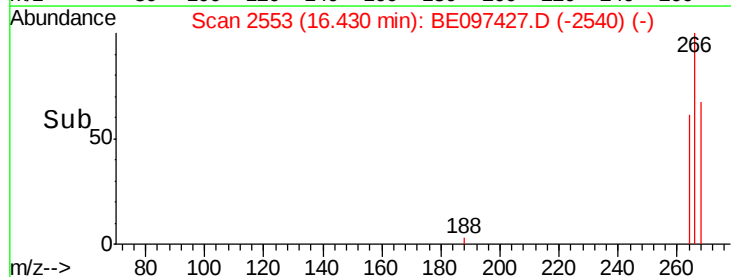
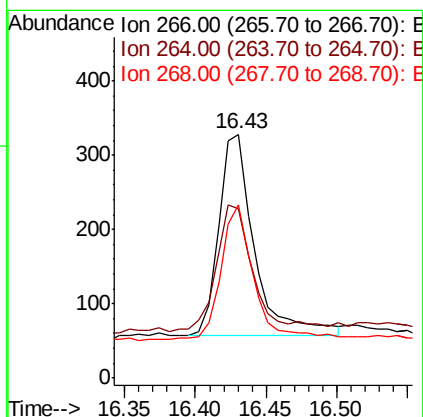
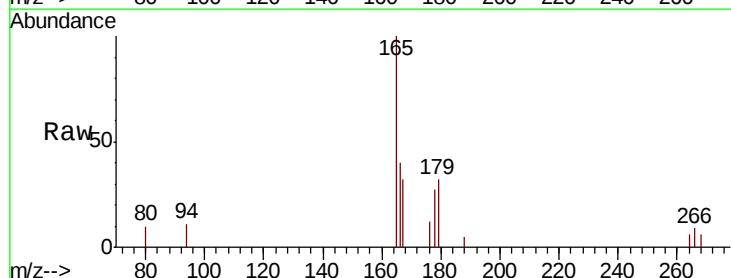
Instrument :
 BNA_E
 ClientSampleId :

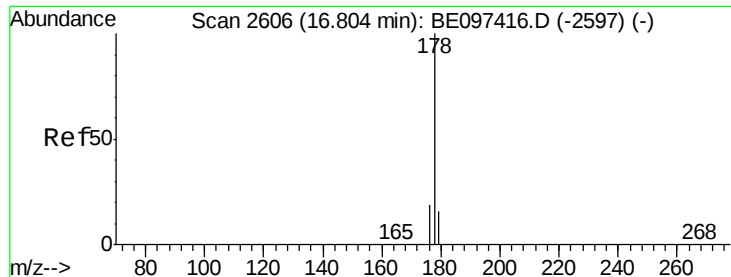
Tot Ion:166 Resp: 16691
 Ion Ratio Lower Upper
 166 100
 165 104.7 73.4 110.2
 167 22.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.493 ng/ul
 RT: 16.43 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BE097427.D
 Acq: 7 Sep 2018 16:35

Tgt Ion:266 Resp: 479
 Ion Ratio Lower Upper
 266 100
 264 67.2 47.9 71.9
 268 61.2 49.8 74.8

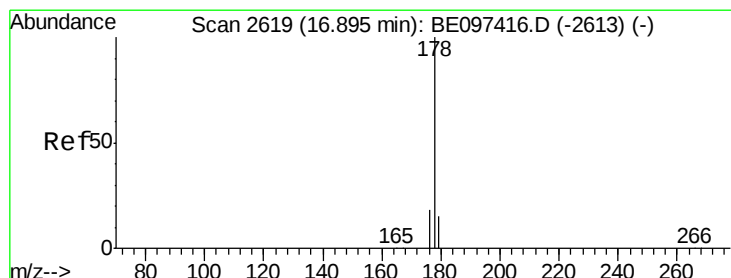
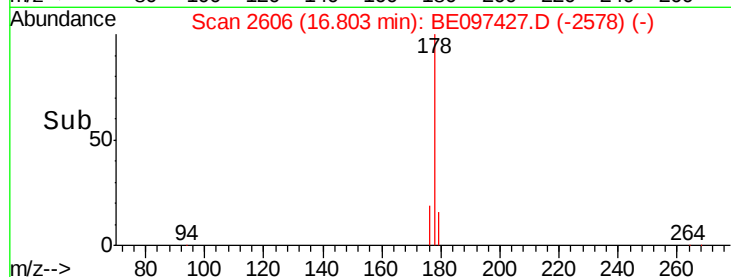
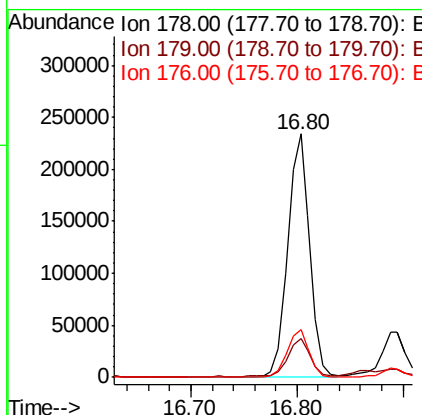
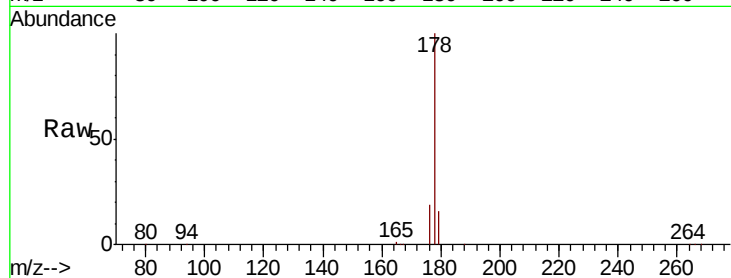




#12
Phenanthrene
Concen: 13.145 ng/ul
RT: 16.80 min Scan# 2606
Delta R.T. -0.00 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

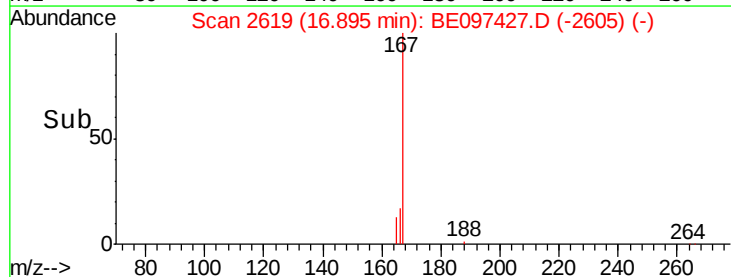
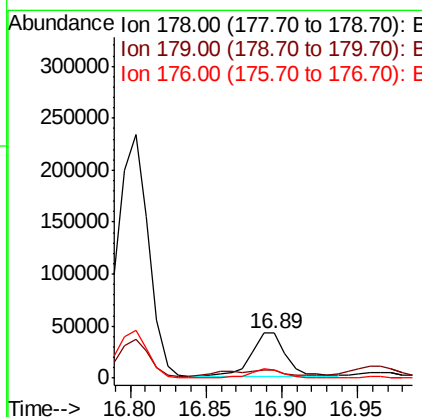
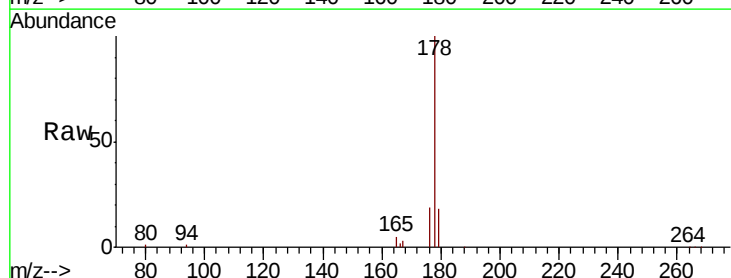
Instrument :
BNA_E
ClientSampleId :

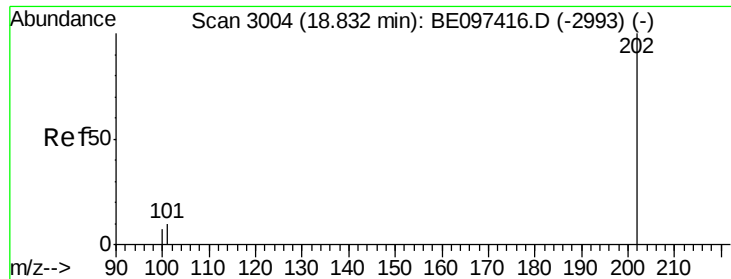
Tot Ion:178 Resp: 334054
Ion Ratio Lower Upper
178 100
179 16.0 18.4 27.6#
176 19.5 13.6 20.4



#13
Anthracene
Concen: 3.028 ng/ul
RT: 16.89 min Scan# 2619
Delta R.T. -0.00 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

Tgt Ion:178 Resp: 64692
Ion Ratio Lower Upper
178 100
179 17.7 18.1 27.1#
176 18.5 14.7 22.1





#15

Fluoranthene

Concen: 22.084 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. 0.00 min

Lab File: BE097427.D

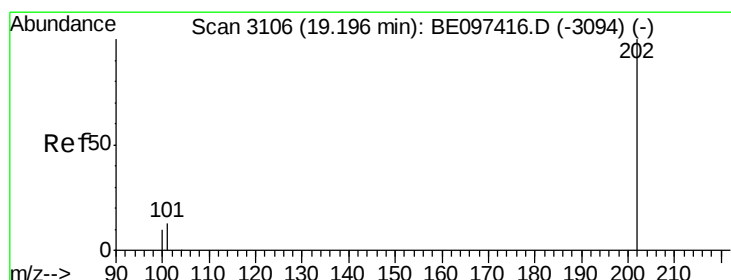
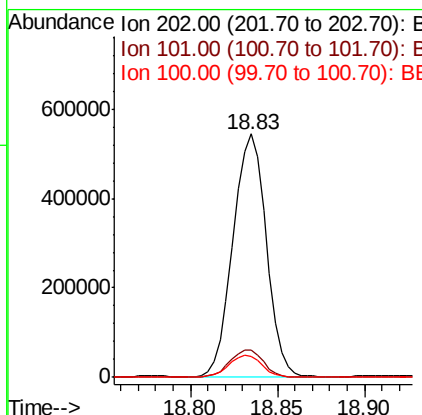
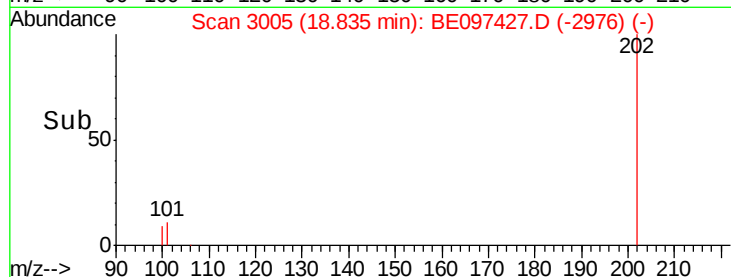
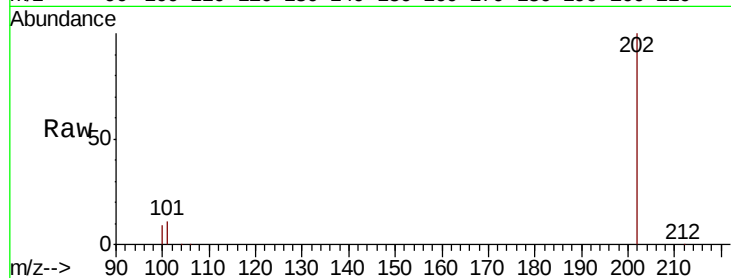
Acq: 7 Sep 2018 16:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	720947
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	30.3
100	8.7	0.0	39.5



#17

Pyrene

Concen: 21.731 ng/ul

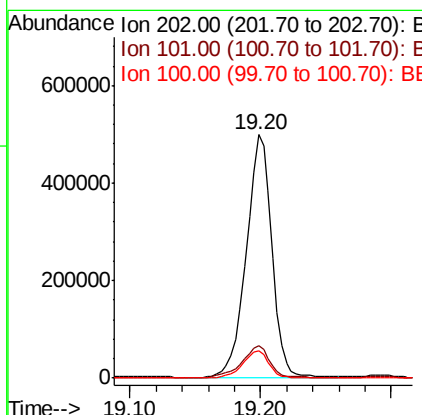
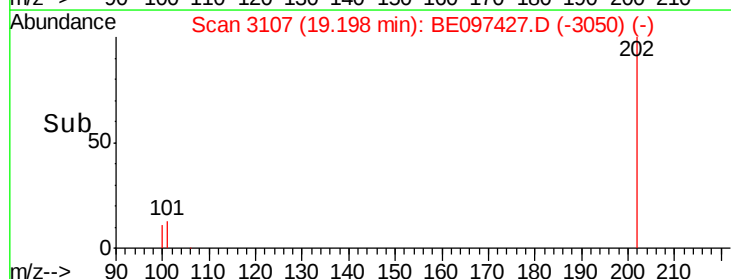
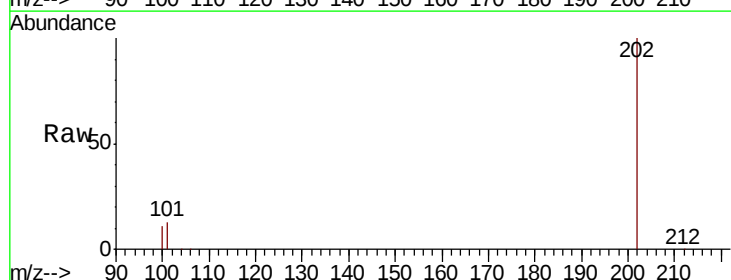
RT: 19.20 min Scan# 3107

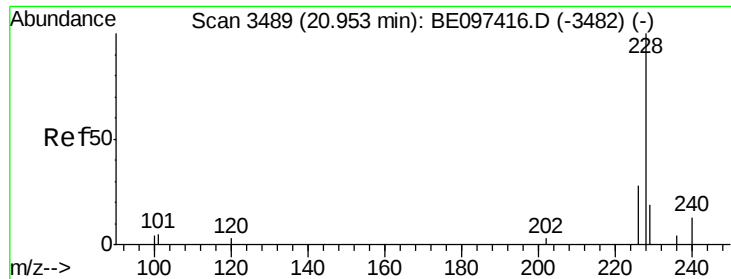
Delta R.T. 0.00 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

Tgt Ion:	202	Resp:	673559
Ion Ratio	Lower	Upper	
202	100		
101	13.2	18.2	27.4#
100	11.1	15.6	23.4#

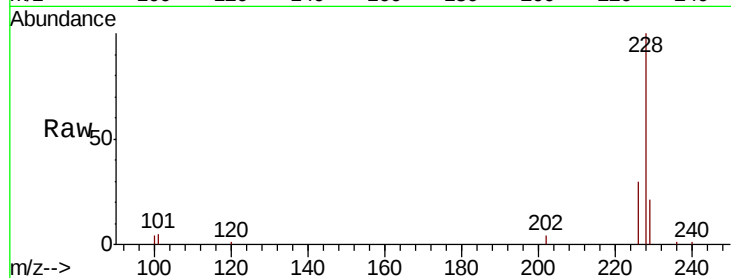




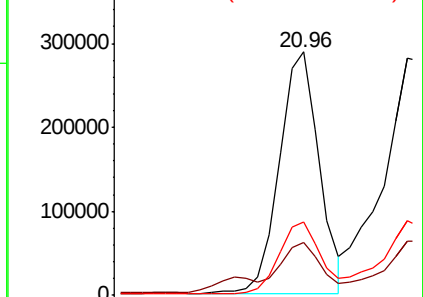
#18
Benzo(a)anthracene
Concen: 12.275 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

Instrument :
BNA_E
ClientSampleId :

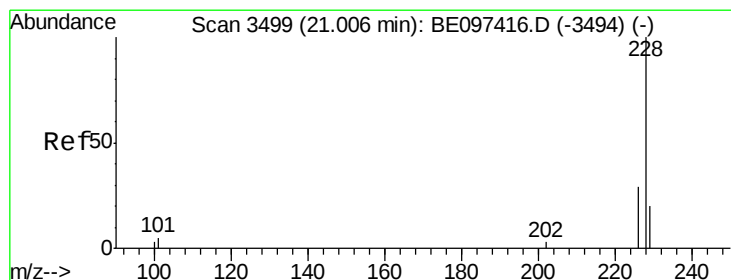
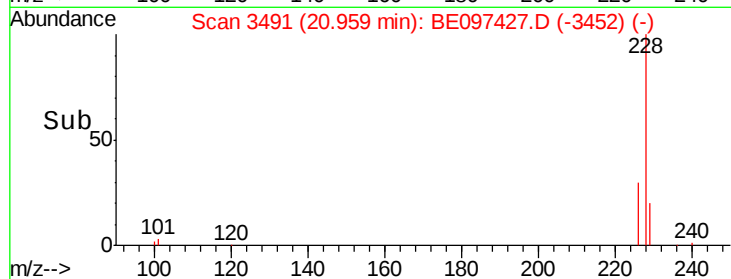
Tot Ion:228 Resp: 363205
Ion Ratio Lower Upper
228 100
229 21.5 22.8 34.2#
226 30.1 17.0 25.6#



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

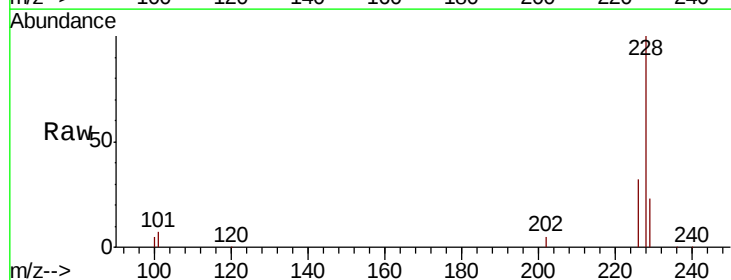


Time-->

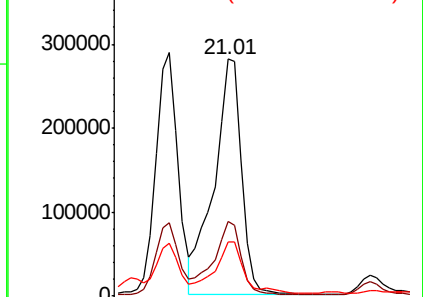


#19
Chrysene
Concen: 12.836 ng/ul
RT: 21.01 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

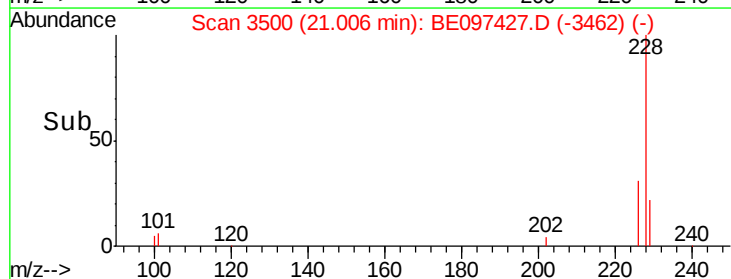
Tgt Ion:228 Resp: 437587
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.0
229 22.6 17.7 26.5

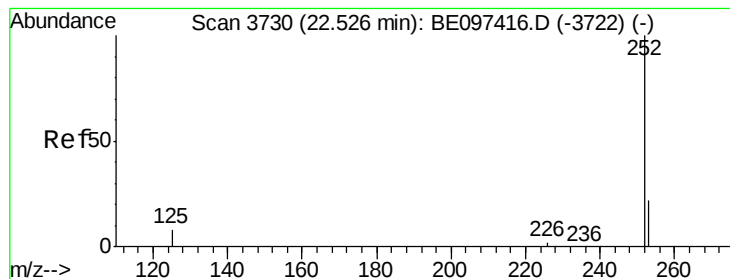


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 24.483 ng/u1

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

Instrument :

BNA_E

ClientSampleId :

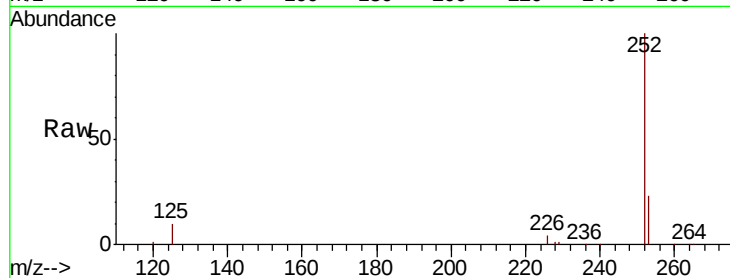
Tot Ion:252 Resp: 782252

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

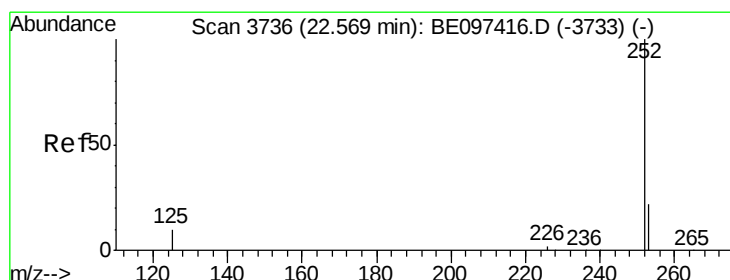
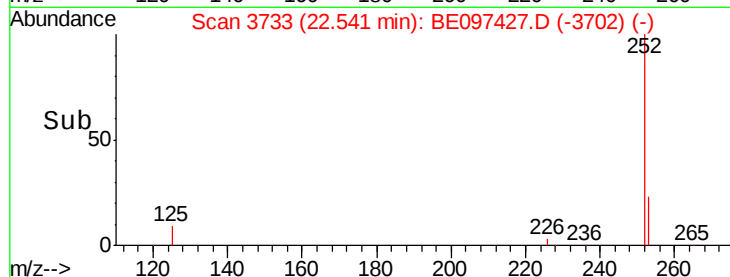
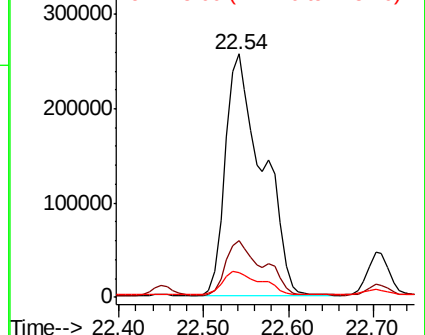
125 10.3 0.0 35.0



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: 21.955 ng/u1

RT: 22.54 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

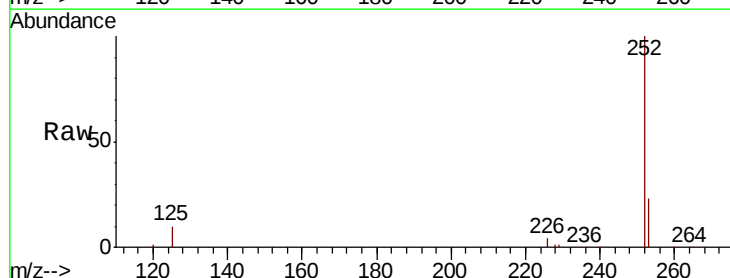
Tgt Ion:252 Resp: 782252

Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

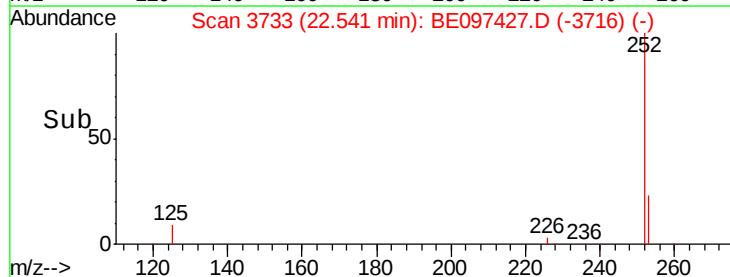
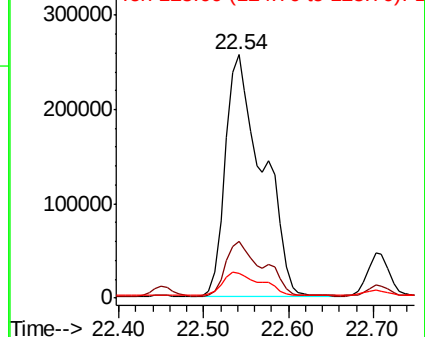
125 10.3 13.7 20.5#

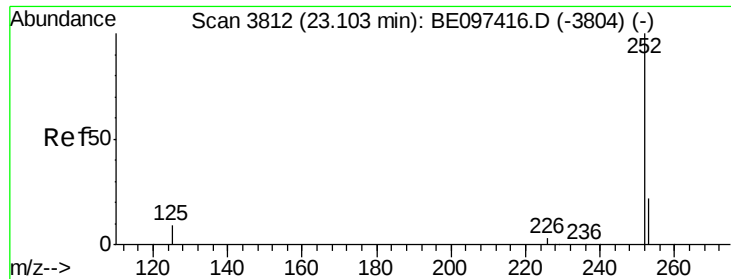


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 11.552 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

Instrument :

BNA_E

ClientSampleId :

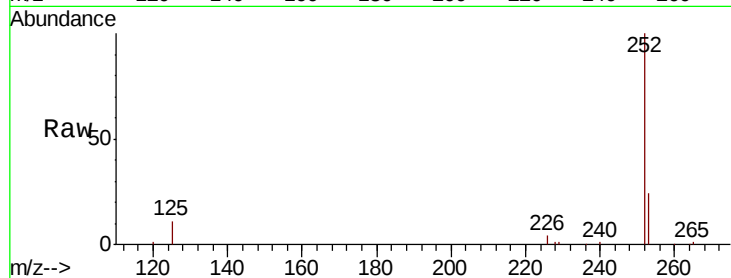
Tot Ion:252 Resp: 341478

Ion Ratio Lower Upper

252 100

253 23.8 28.5 42.7#

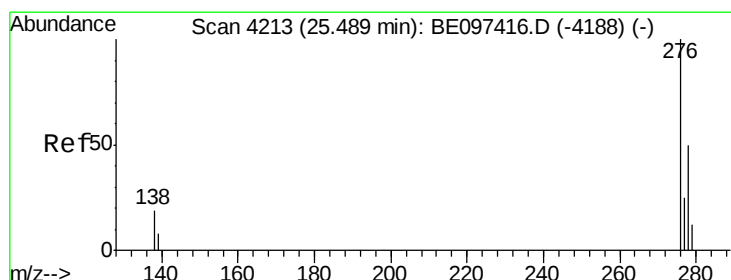
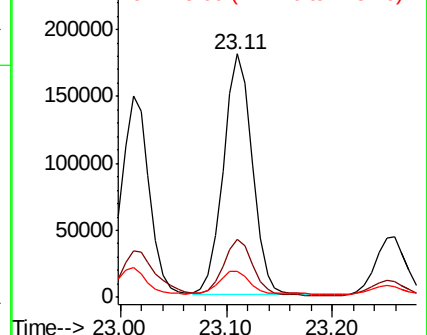
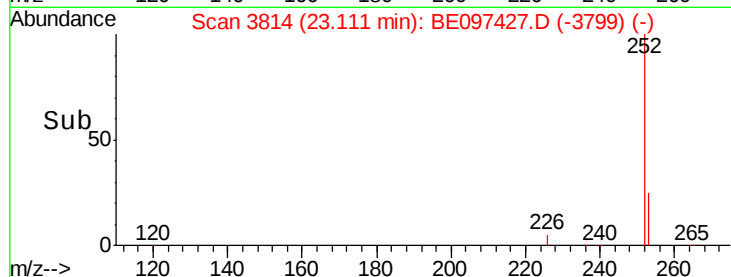
125 10.9 18.1 27.1#



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: 6.854 ng/ul

RT: 25.50 min Scan# 4218

Delta R.T. 0.01 min

Lab File: BE097427.D

Acq: 7 Sep 2018 16:35

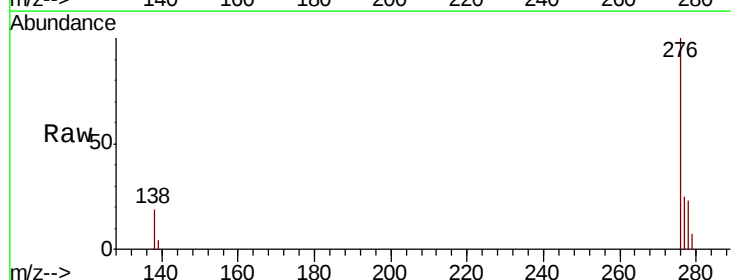
Tgt Ion:276 Resp: 262594

Ion Ratio Lower Upper

276 100

138 22.8 28.0 42.0#

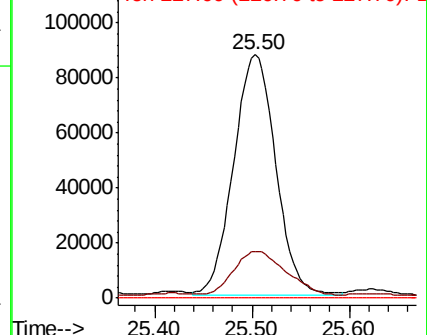
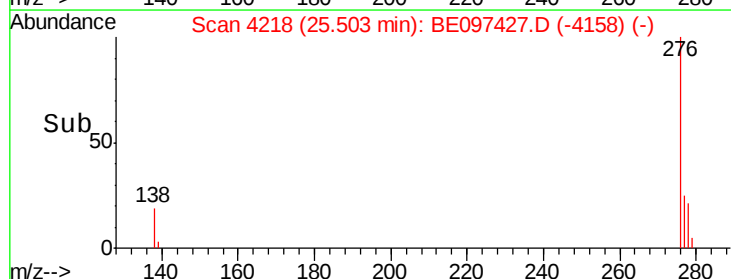
227 0.0 8.0 12.0#

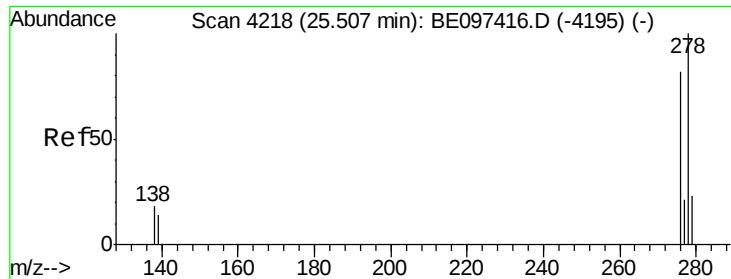


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

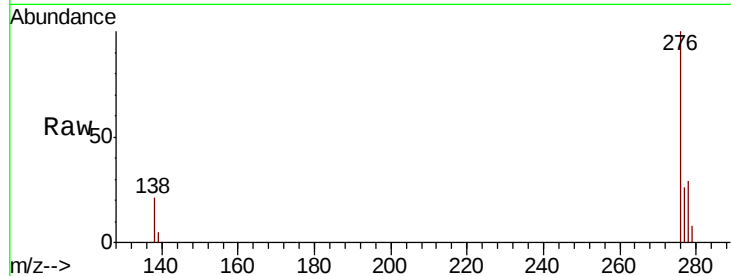




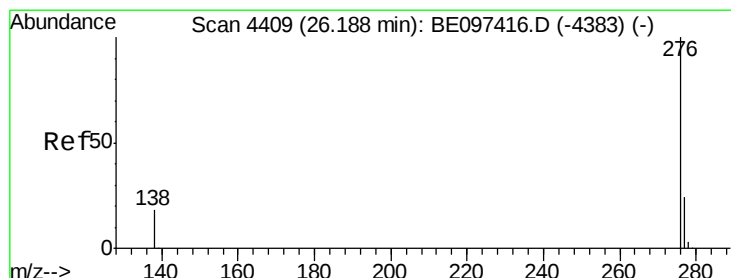
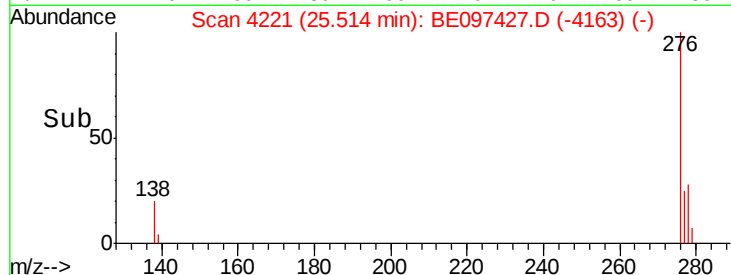
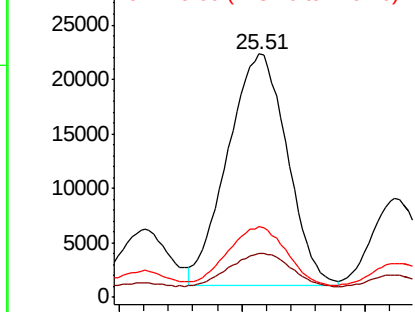
#25
Dibenzo(a,h)anthracene
Concen: 2.204 ng/ul
RT: 25.51 min Scan# 4221
Delta R.T. 0.01 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 71532
Ion Ratio Lower Upper
278 100
139 18.1 17.4 26.0
279 28.9 25.9 38.9

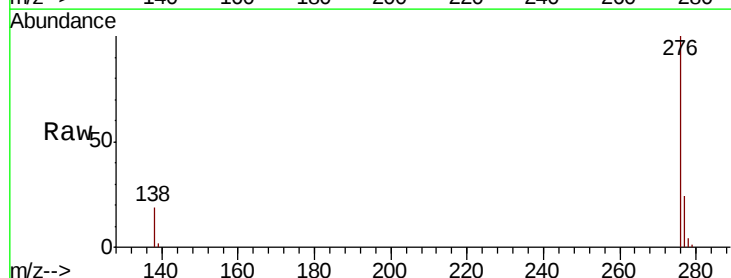


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 7.292 ng/ul
RT: 26.21 min Scan# 4416
Delta R.T. 0.02 min
Lab File: BE097427.D
Acq: 7 Sep 2018 16:35

Tgt Ion:276 Resp: 238168
Ion Ratio Lower Upper
276 100
138 18.5 21.8 32.8#
277 24.5 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

