

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080918\
 Data File : BE097245.D
 Acq On : 9 Aug 2018 11:28
 Operator : SJ/JU
 Sample : J4268-07DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 09 16:04:35 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 : Wed Aug 08 23:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1240	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	6508	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	3647	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	8634	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9189	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	9967	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	450	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	1096	0.04	ng/ul	0.00

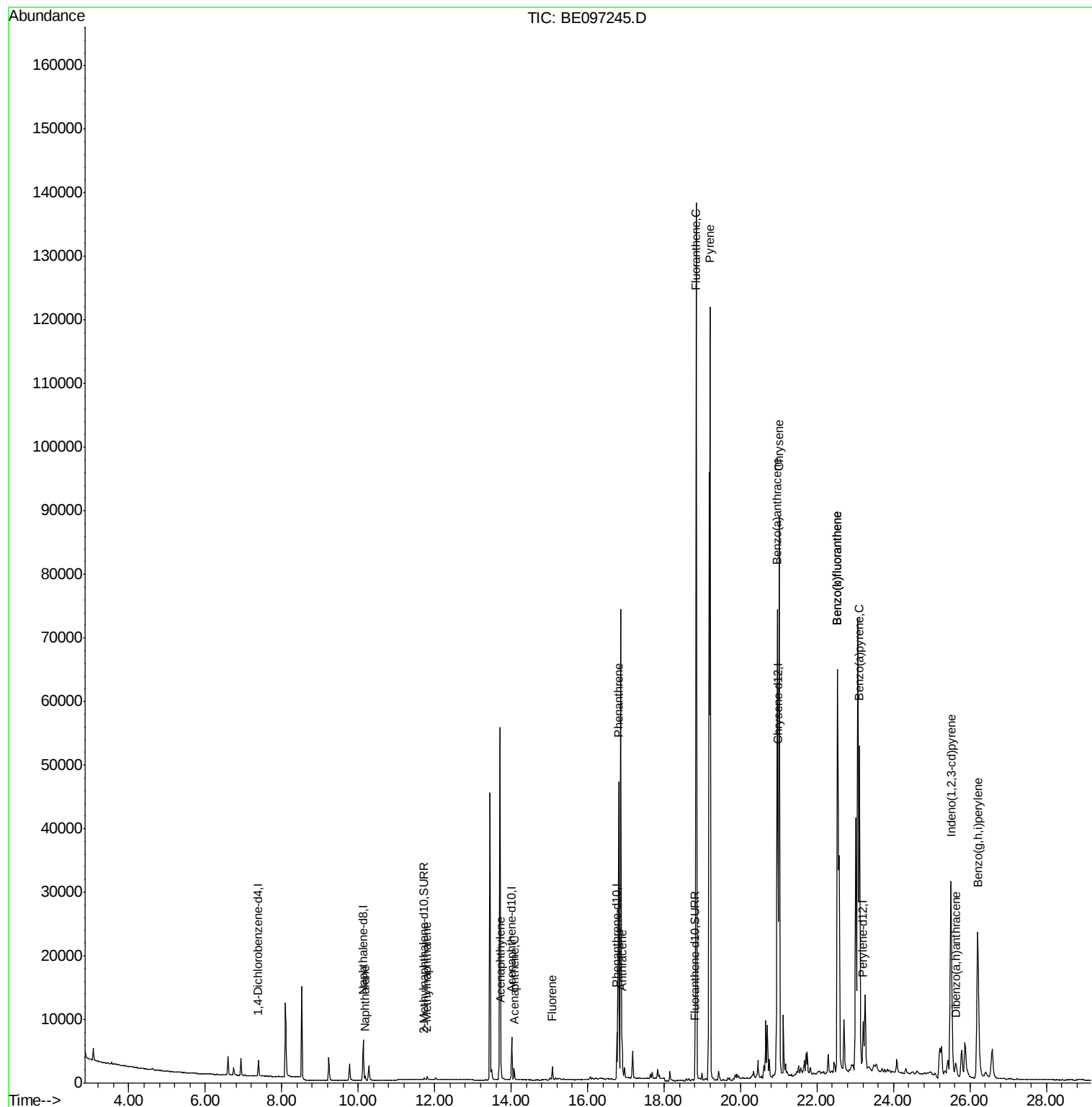
Target Compounds				Ovalue		
3) Naphthalene	10.18	128	922	0.059	ng/ul#	90
5) 2-Methylnaphthalene	11.80	142	428	0.041	ng/ul	99
7) Acenaphthylene	13.73	152	1797	0.114	ng/ul	95
8) Acenaphthene	14.08	153	939	0.082	ng/ul#	92
9) Fluorene	15.08	166	1362	0.104	ng/ul	94
12) Phenanthrene	16.81	178	50494	2.294	ng/ul#	89
13) Anthracene	16.90	178	6052	0.295	ng/ul#	92
15) Fluoranthene	18.84	202	155116	5.332	ng/ul	84
17) Pyrene	19.20	202	130589	5.304	ng/ul#	80
18) Benzo(a)anthracene	20.96	228	59487	2.265	ng/ul#	85
19) Chrysene	21.01	228	79708	2.946	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	145301	5.349	ng/ul	83
22) Benzo(k)fluoranthene	22.53	252	145301	4.961	ng/ul#	85
23) Benzo(a)pyrene	23.11	252	68168	2.508	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.50	276	57472	1.689	ng/ul#	70
25) Dibenzo(a,h)anthracene	25.63	278	3634	0.131	ng/ul	96
26) Benzo(a,h,i)perylene	26.20	276	56057	1.907	ng/ul#	90

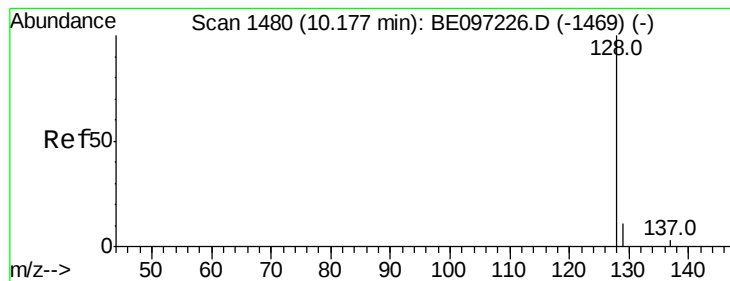
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.059 ng/ul

RT: 10.18 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

Instrument :

BNA_E

ClientSampleId :

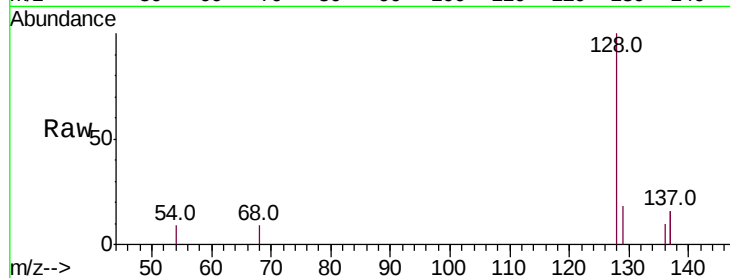
Tot Ion:128 Resp: 922

Ion Ratio Lower Upper

128 100

129 17.5 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

10.18

600

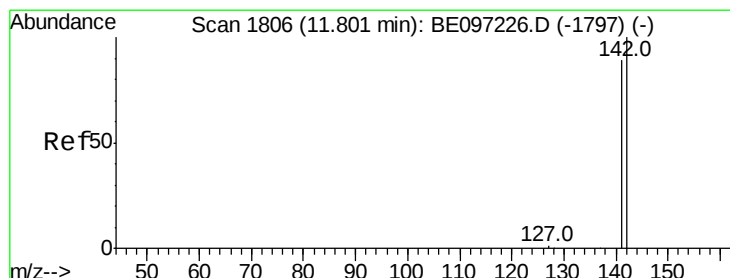
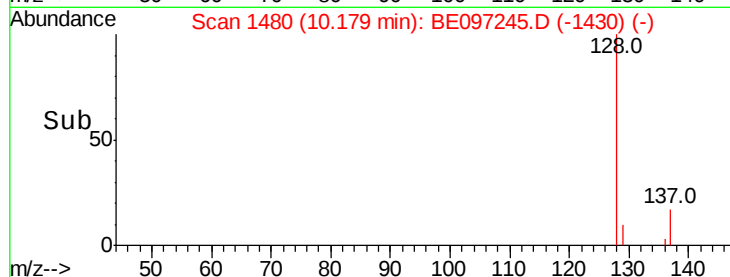
400

200

0

10.15 10.20

Time-->



#5

2-Methylnaphthalene

Concen: 0.041 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BE097245.D

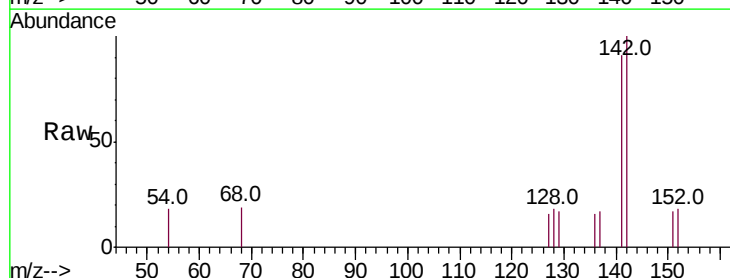
Acq: 9 Aug 2018 11:28

Tgt Ion:142 Resp: 428

Ion Ratio Lower Upper

142 100

141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

300

200

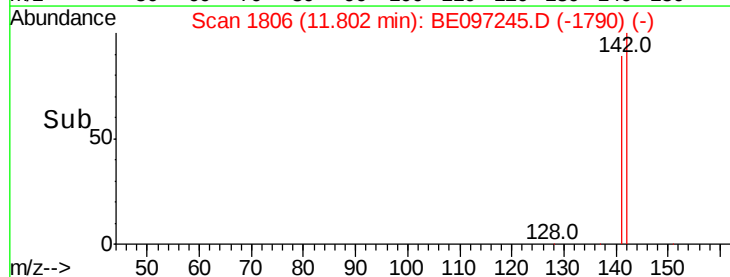
100

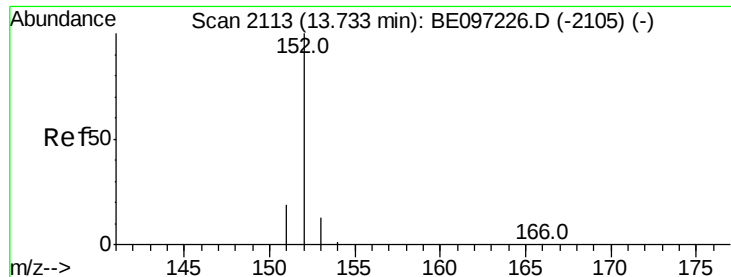
0

11.80

11.90

Time-->





#7

Acenaphthylene

Concen: 0.114 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

Instrument :

BNA_E

ClientSampleId :

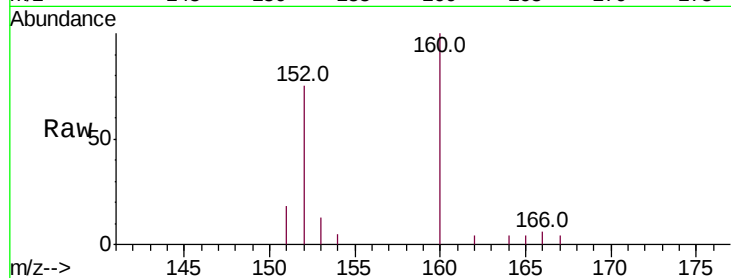
Tot Ion:152 Resp: 1797

Ion Ratio Lower Upper

152 100

151 24.4 17.1 25.7

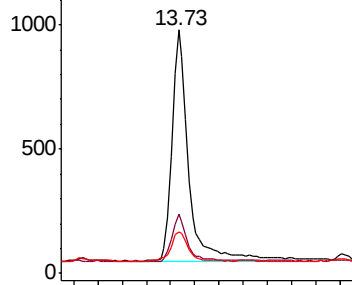
153 17.2 12.8 19.2



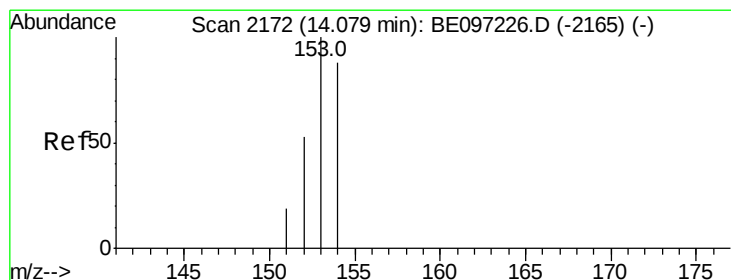
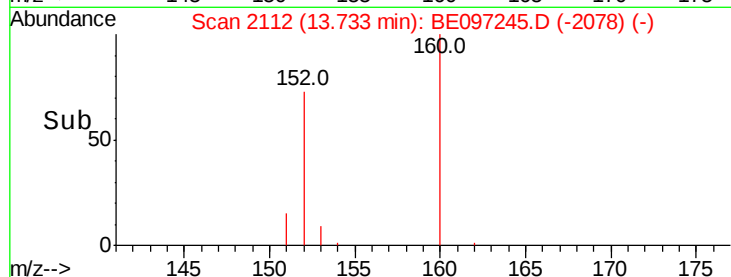
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.082 ng/ul

RT: 14.08 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

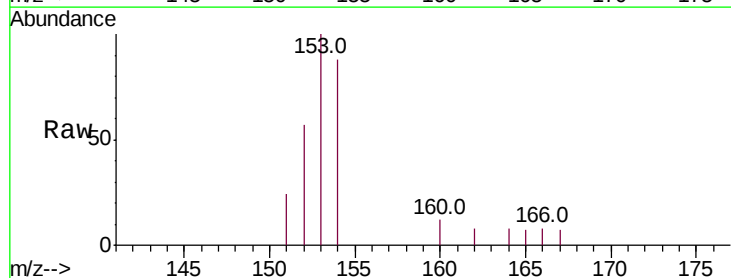
Tgt Ion:153 Resp: 939

Ion Ratio Lower Upper

153 100

152 57.1 36.0 54.0#

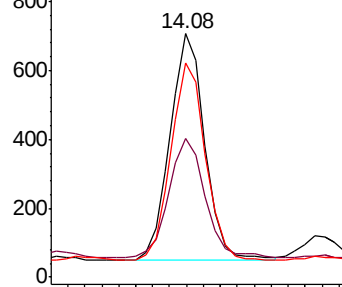
154 88.0 72.0 108.0



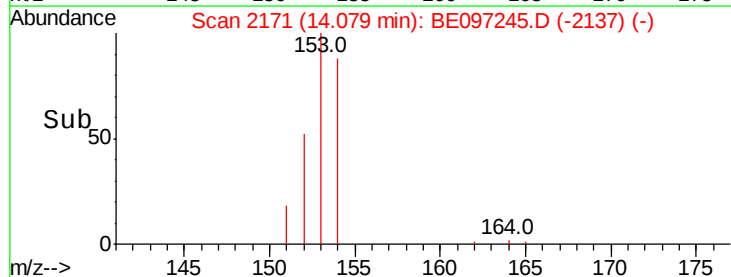
Abundance Ion 153.00 (152.70 to 153.70): E

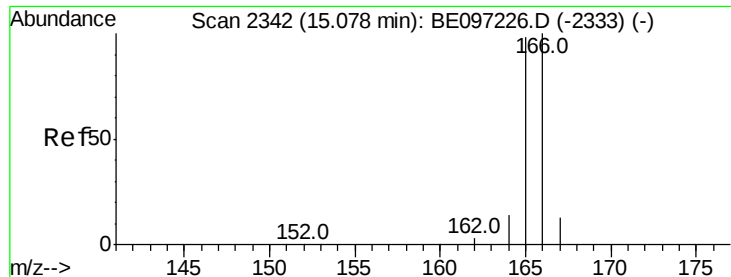
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

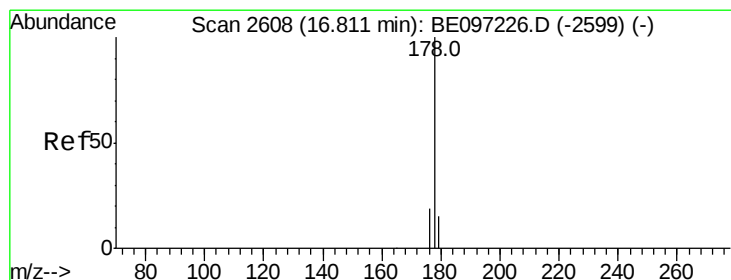
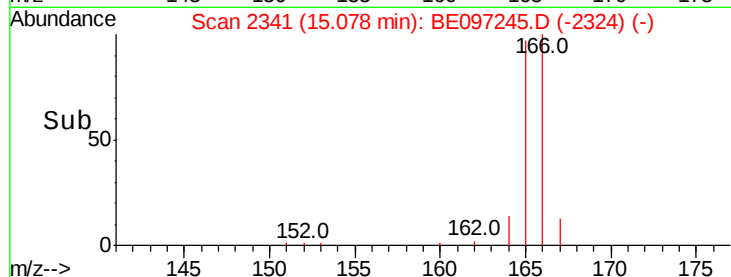
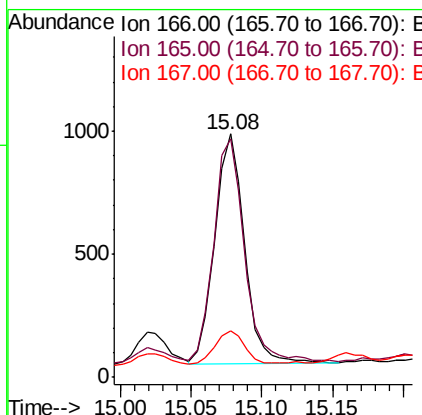
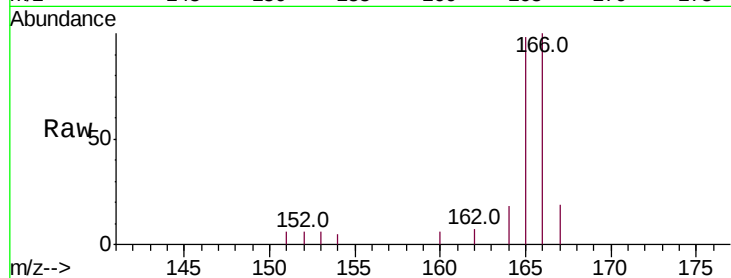




#9
Fluorene
 Concen: 0.104 ng/ul
 RT: 15.08 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

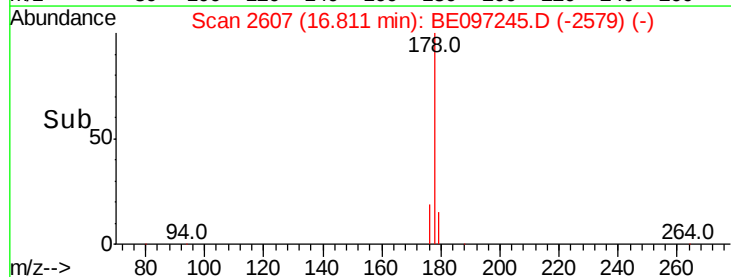
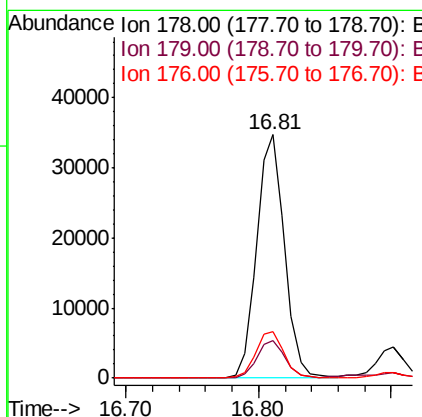
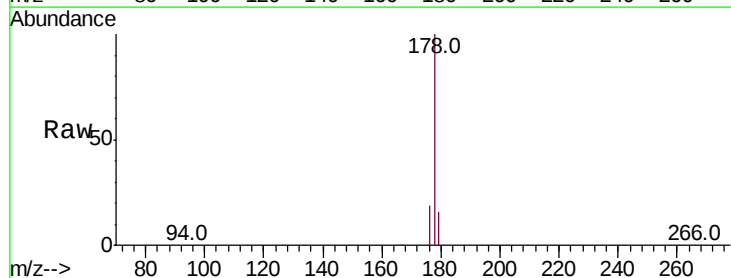
Instrument :
 BNA_E
 ClientSampleId :

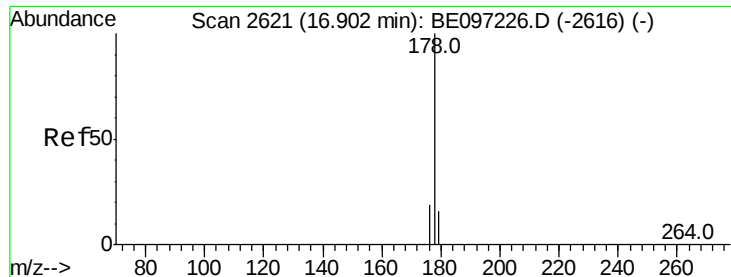
Tot Ion:166 Resp: 1362
 Ion Ratio Lower Upper
 166 100
 165 98.1 73.4 110.2
 167 19.2 14.6 22.0



#12
Phenanthrene
 Concen: 2.294 ng/ul
 RT: 16.81 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

Tgt Ion:178 Resp: 50494
 Ion Ratio Lower Upper
 178 100
 179 15.6 18.4 27.6#
 176 19.2 13.6 20.4

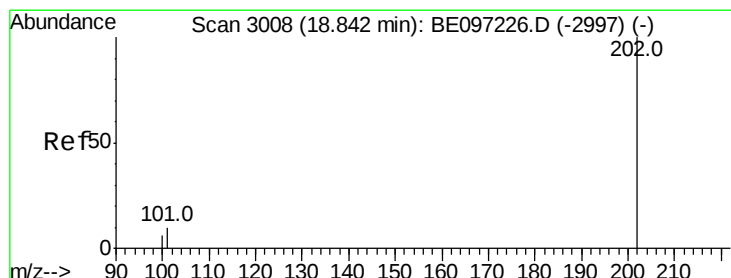
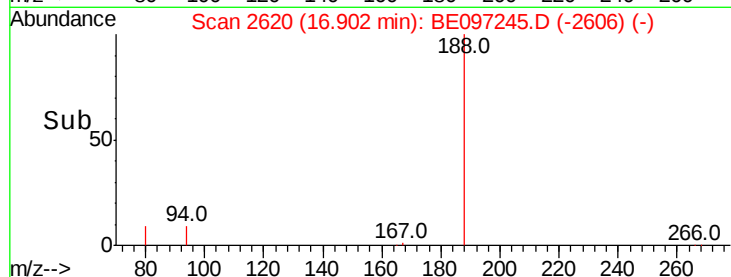
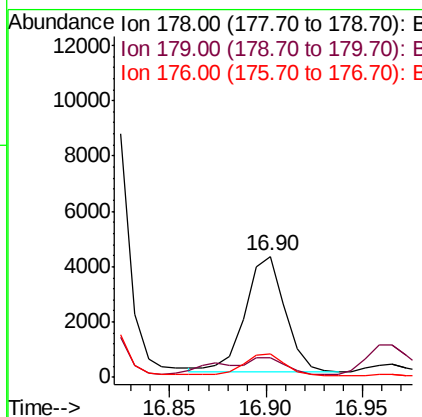
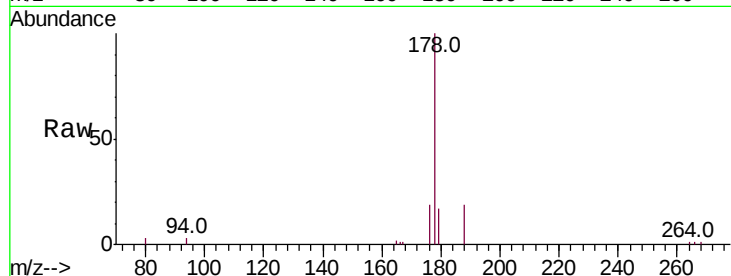




#13
 Anthracene
 Concen: 0.295 ng/ul
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.00 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

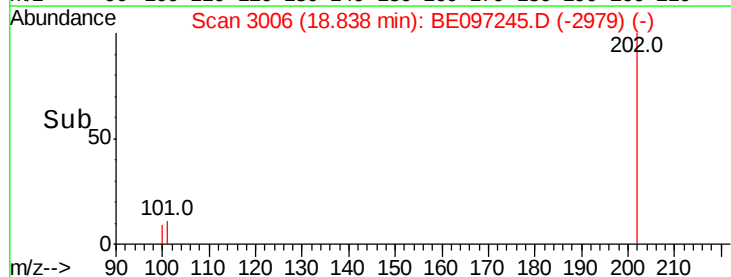
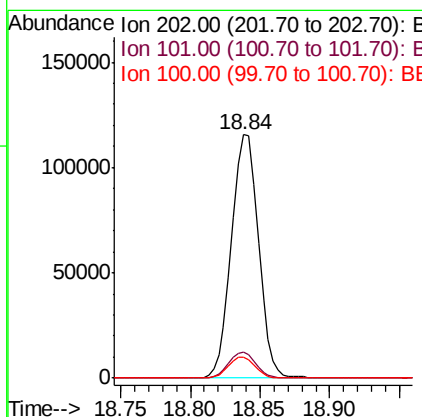
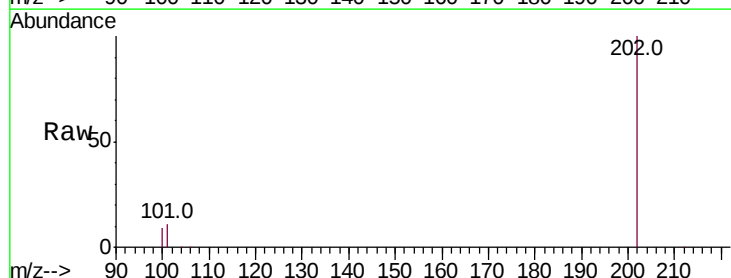
Instrument :
 BNA_E
 ClientSampleId :

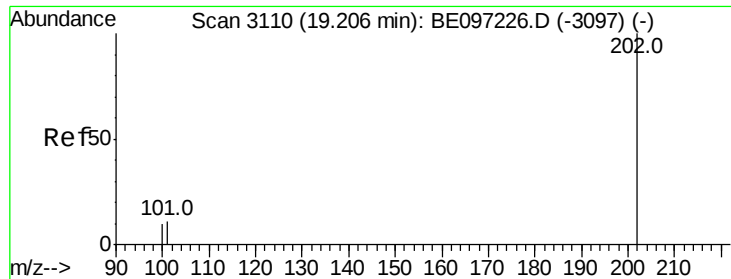
Tot Ion:178 Resp: 6052
 Ion Ratio Lower Upper
 178 100
 179 16.5 18.1 27.1#
 176 19.3 14.7 22.1



#15
 Fluoranthene
 Concen: 5.332 ng/ul
 RT: 18.84 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

Tgt Ion:202 Resp: 155116
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.3
 100 8.8 0.0 39.5

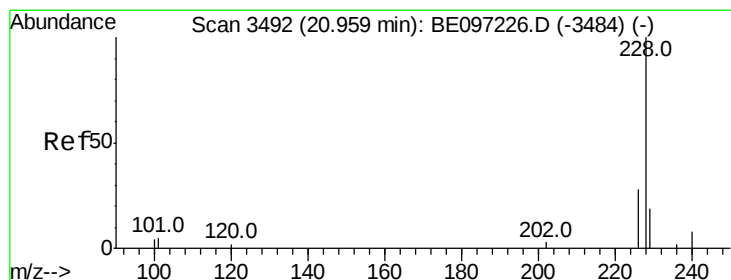
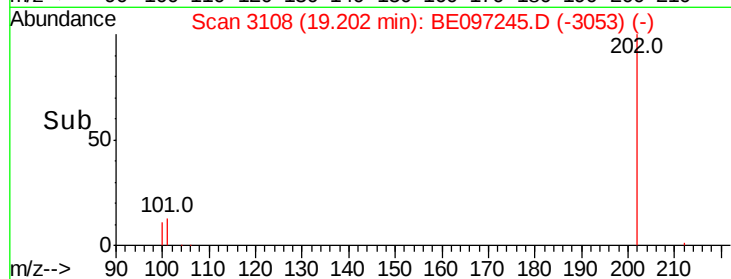
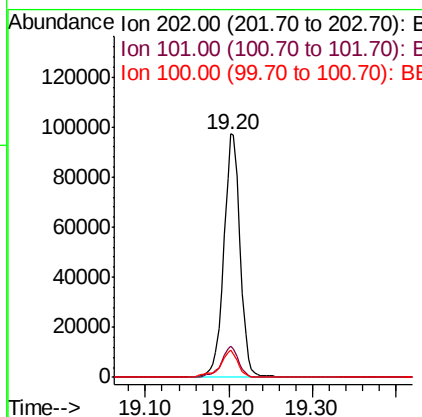
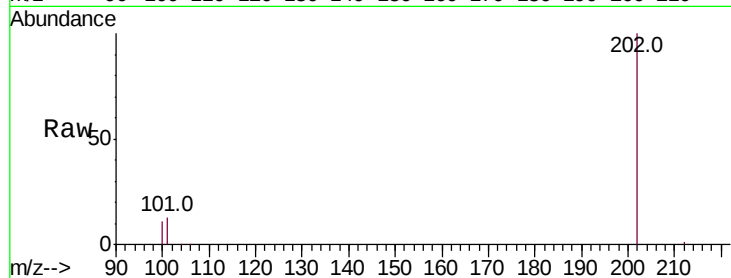




#17
Pvrene
Concen: 5.304 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BE097245.D
Acq: 9 Aug 2018 11:28

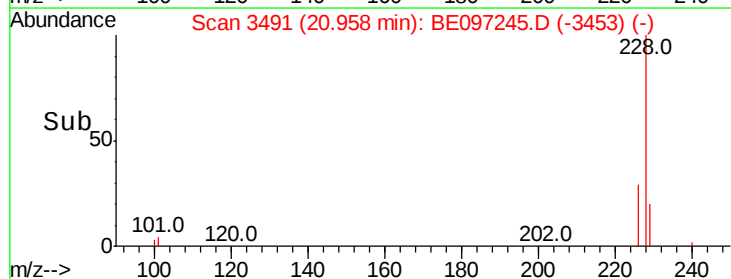
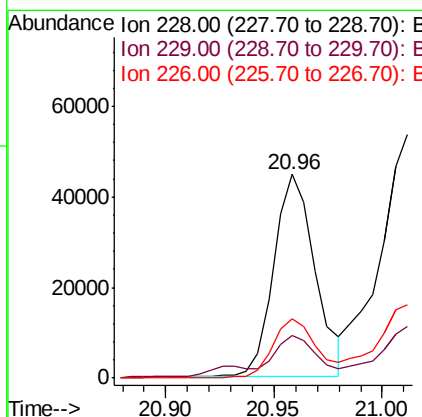
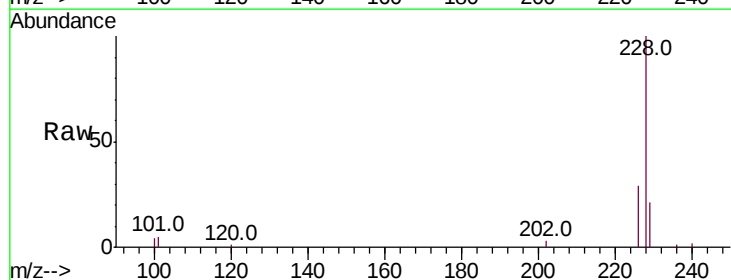
Instrument :
BNA_E
ClientSampleId :

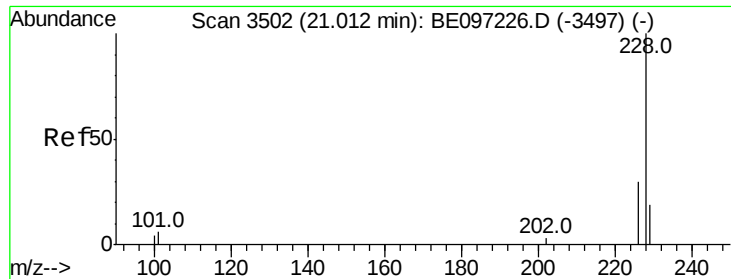
Tot Ion:202 Resp: 130589
Ion Ratio Lower Upper
202 100
101 12.8 18.2 27.4#
100 11.1 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 2.265 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: BE097245.D
Acq: 9 Aug 2018 11:28

Tgt Ion:228 Resp: 59487
Ion Ratio Lower Upper
228 100
229 20.9 22.8 34.2#
226 29.0 17.0 25.6#





#19

Chrysene

Concen: 2.946 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

Instrument :

BNA_E

ClientSampleId :

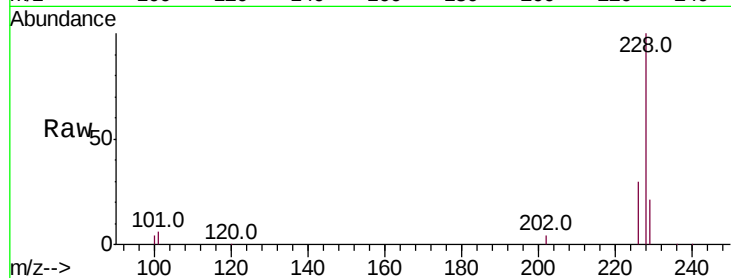
Tot Ion:228 Resp: 79708

Ion Ratio Lower Upper

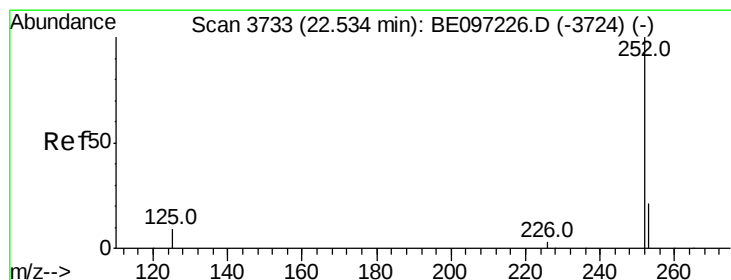
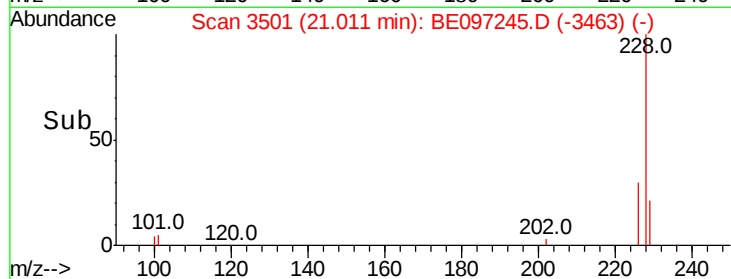
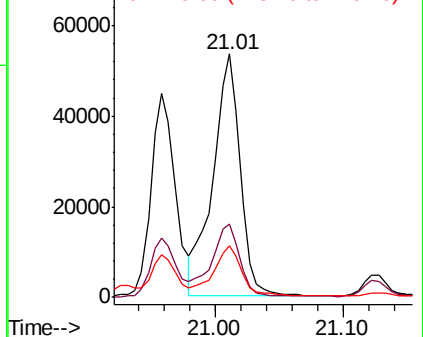
228 100

226 30.3 23.4 35.0

229 21.5 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: 5.349 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

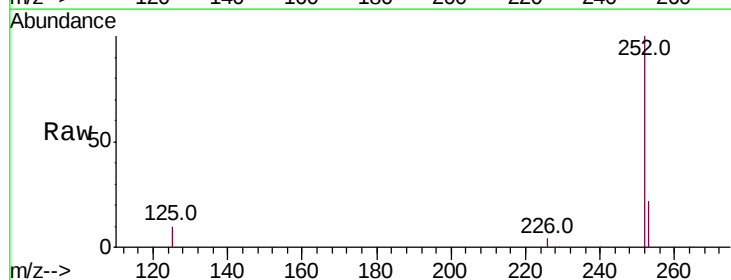
Tgt Ion:252 Resp: 145301

Ion Ratio Lower Upper

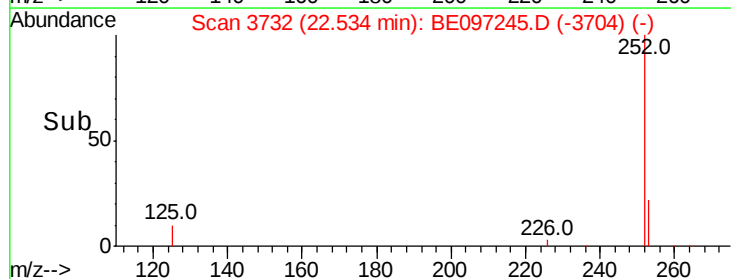
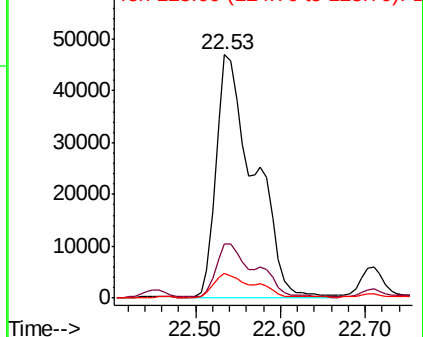
252 100

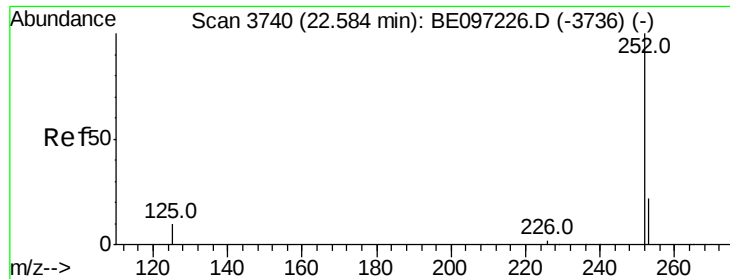
253 22.5 0.0 64.2

125 10.0 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: 4.961 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.05 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

Instrument :

BNA_E

ClientSampleId :

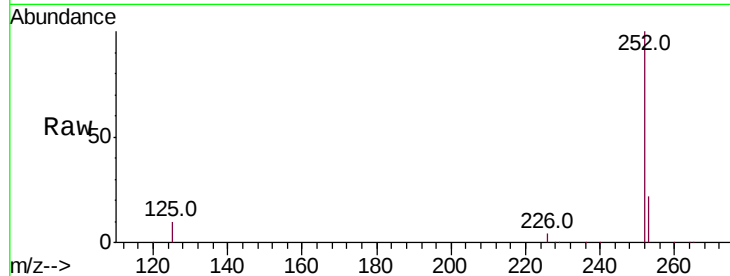
Tot Ion:252 Resp: 145301

Ion Ratio Lower Upper

252 100

253 22.5 24.5 36.7#

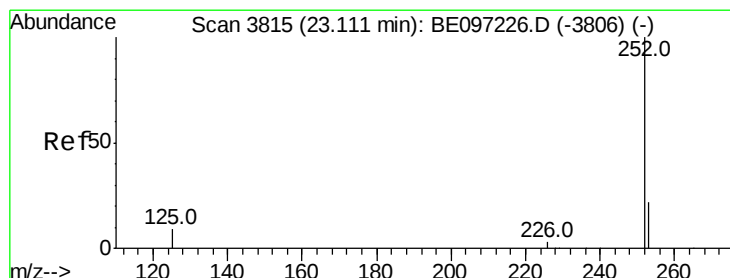
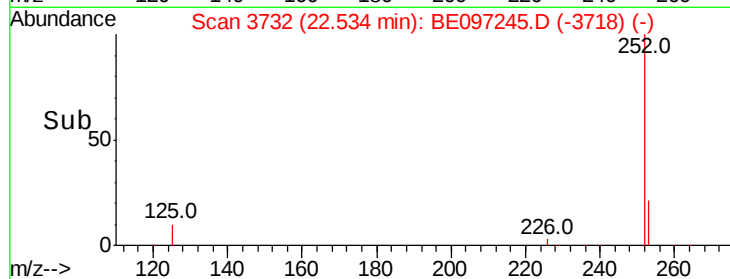
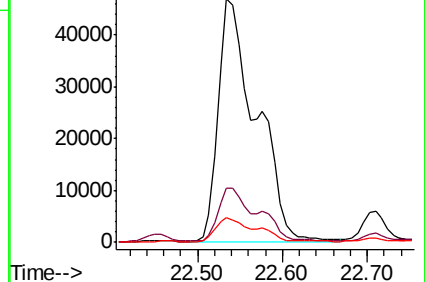
125 10.0 13.7 20.5#



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: 2.508 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

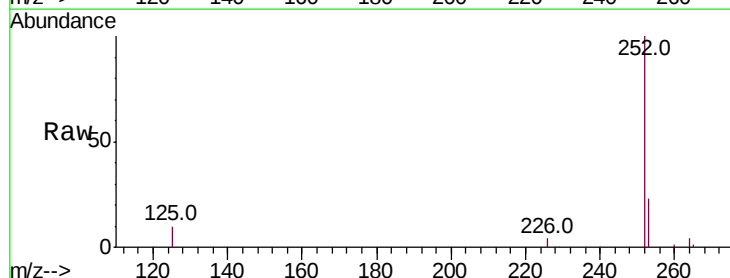
Tgt Ion:252 Resp: 68168

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

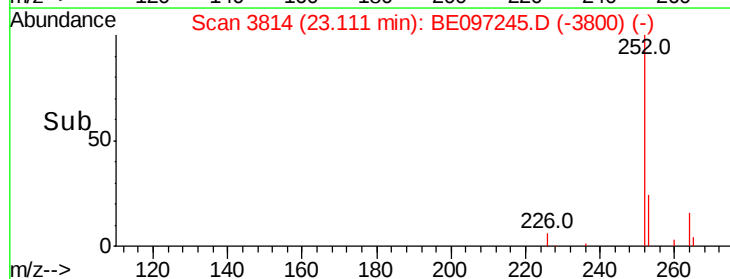
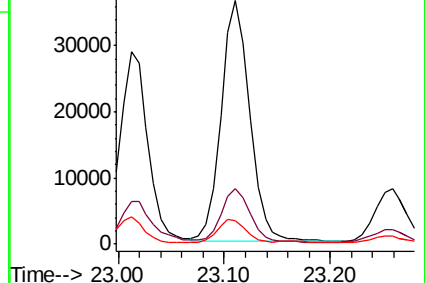
125 9.8 18.1 27.1#

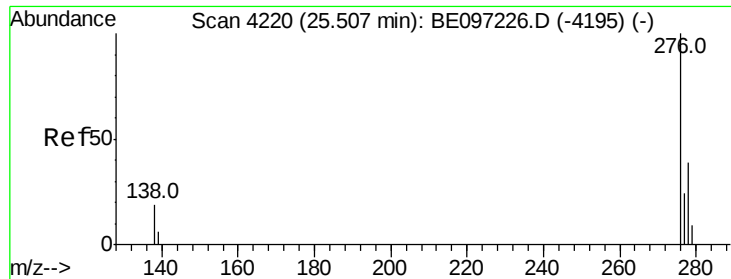


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

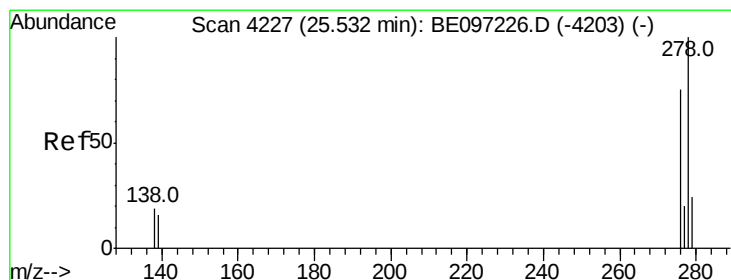
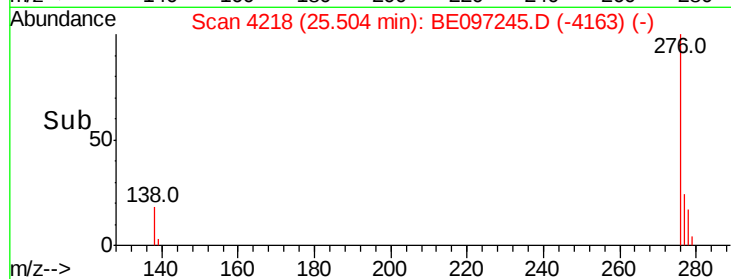
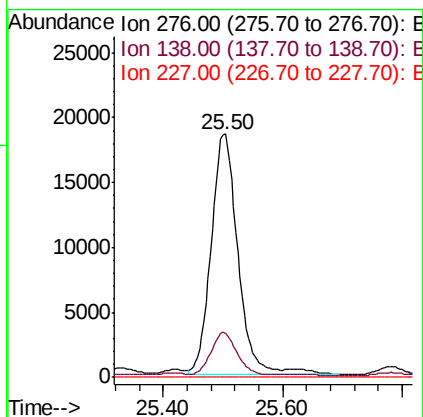
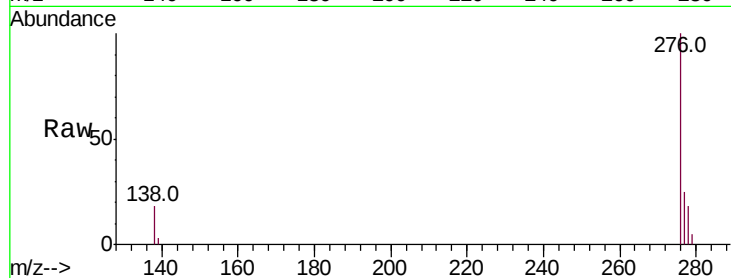




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.689 ng/ul
 RT: 25.50 min Scan# 4218
 Delta R.T. -0.00 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

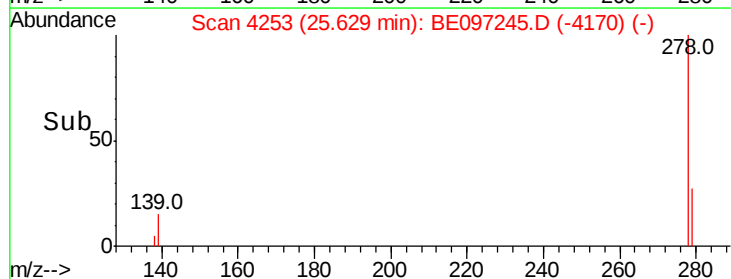
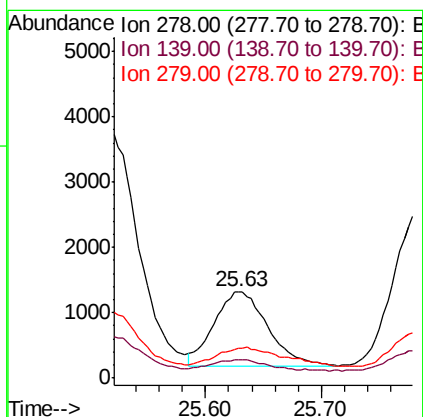
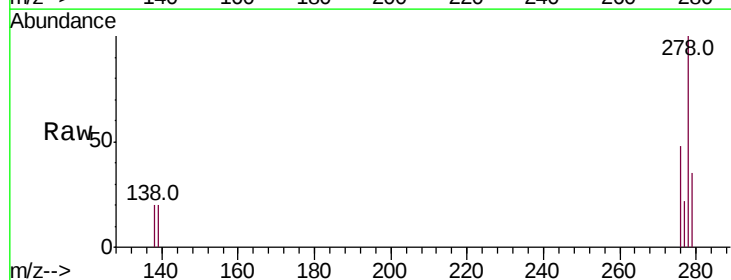
Instrument :
 BNA_E
 ClientSampleId :

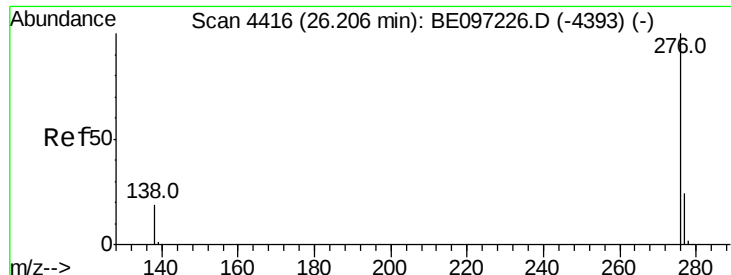
Tot Ion:276 Resp: 57472
 Ion Ratio Lower Upper
 276 100
 138 17.4 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.131 ng/ul
 RT: 25.63 min Scan# 4253
 Delta R.T. 0.10 min
 Lab File: BE097245.D
 Acq: 9 Aug 2018 11:28

Tgt Ion:278 Resp: 3634
 Ion Ratio Lower Upper
 278 100
 139 20.5 17.4 26.0
 279 35.0 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.907 ng/ul

RT: 26.20 min Scan# 4414

Delta R.T. -0.00 min

Lab File: BE097245.D

Acq: 9 Aug 2018 11:28

Instrument :

BNA_E

ClientSampleId :

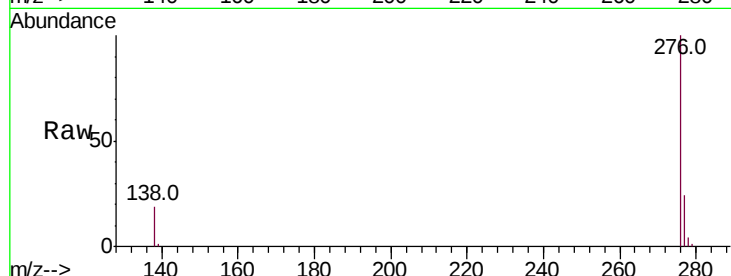
Tot Ion:276 Resp: 56057

Ion Ratio Lower Upper

276 100

138 19.0 21.8 32.8#

277 24.2 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

