

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091418\
 Data File : BE097486.D
 Acq On : 14 Sep 2018 14:14
 Operator : SJ/JU
 Sample : J4792-03DL2 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 18:26:42 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 07:48:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	984	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	4948	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.00	164	3068	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	8180	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9786	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	10308	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	163	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	532	0.02	ng/ul	0.00

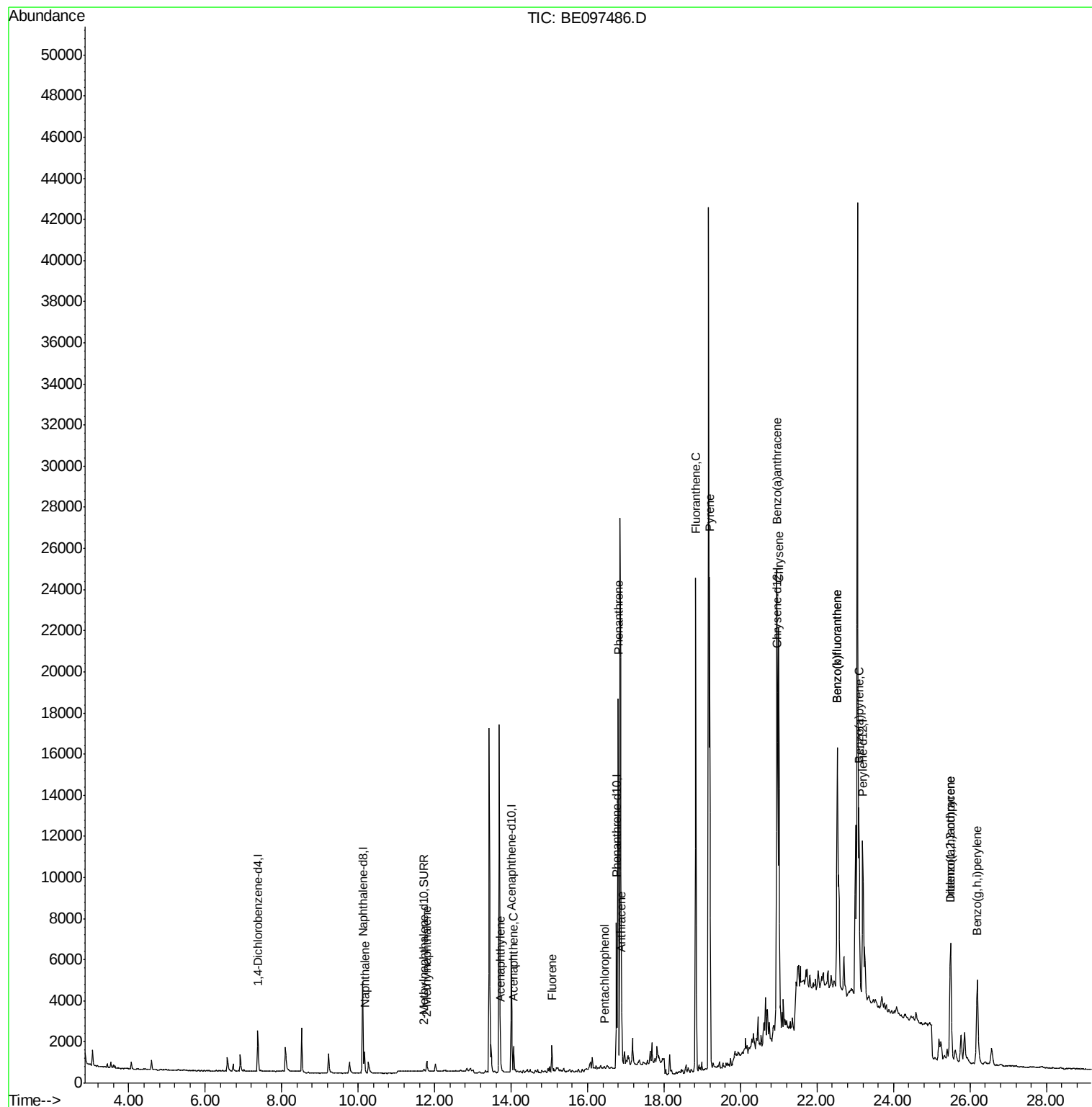
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	1493	0.124	ng/ul#	92
5) 2-Methylnaphthalene	11.80	142	511	0.067	ng/ul	98
7) Acenaphthylene	13.72	152	497	0.044	ng/ul#	72
8) Acenaphthene	14.07	153	763	0.079	ng/ul	95
9) Fluorene	15.07	166	818	0.074	ng/ul#	91
11) Pentachlorophenol	16.45	266	24	0.030	ng/ul#	71
12) Phenanthrene	16.80	178	18379	0.873	ng/ul#	89
13) Anthracene	16.89	178	3258	0.184	ng/ul	93
15) Fluoranthene	18.83	202	27094	1.002	ng/ul	84
17) Pyrene	19.19	202	26304	0.999	ng/ul#	81
18) Benzo(a)anthracene	20.95	228	15915	0.633	ng/ul#	90
19) Chrysene	21.00	228	18054	0.623	ng/ul	95
21) Benzo(b)fluoranthene	22.53	252	24441	0.885	ng/ul	91
22) Benzo(k)fluoranthene	22.53	252	24441	0.794	ng/ul#	92
23) Benzo(a)pyrene	23.10	252	12946	0.507	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.49	276	9433	0.285	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.50	278	3203	0.114	ng/ul#	74
26) Benzo(g,h,i)perylene	26.19	276	9076	0.322	ng/ul	93

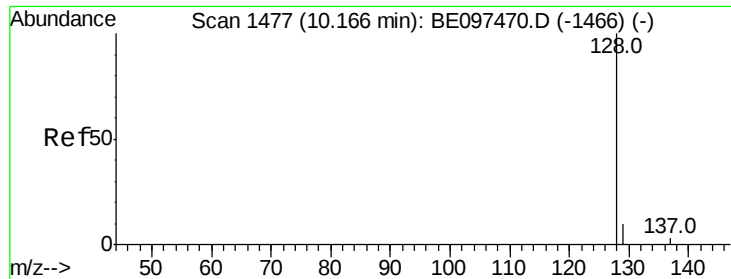
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.124 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

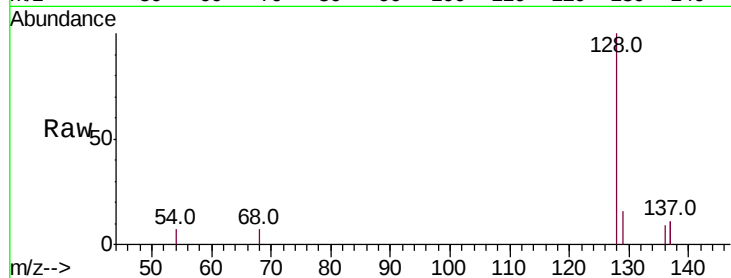
Tot Ion:128 Resp: 1493

Ion Ratio Lower Upper

128 100

129 16.2 11.3 16.9

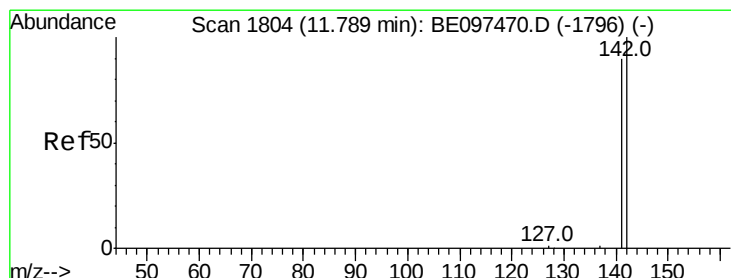
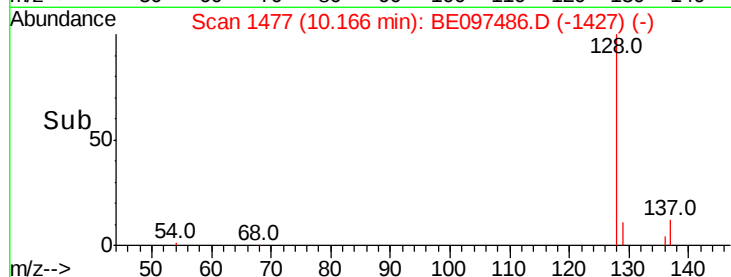
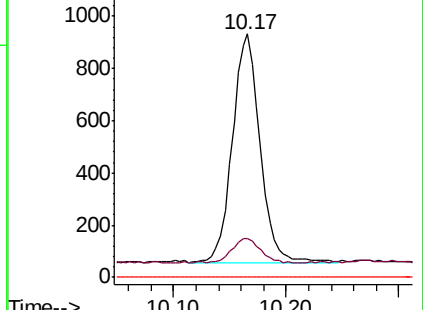
127 0.0 4.0 6.0#



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: 0.067 ng/ul

RT: 11.80 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BE097486.D

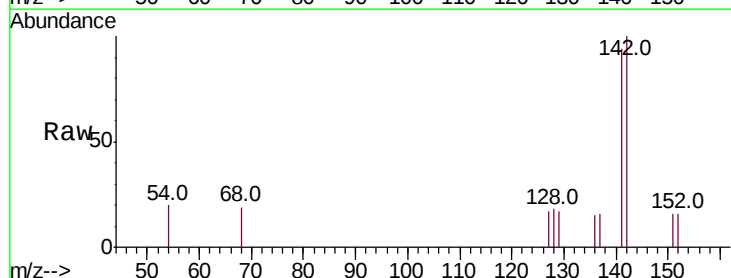
Acq: 14 Sep 2018 14:14

Tgt Ion:142 Resp: 511

Ion Ratio Lower Upper

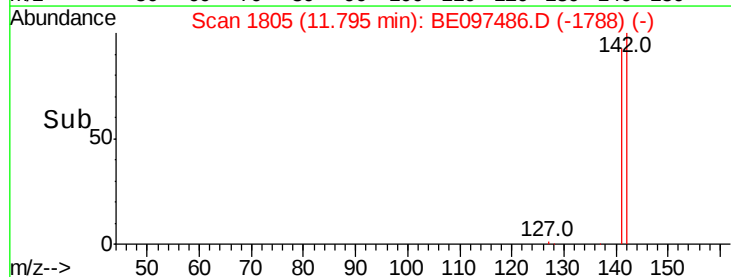
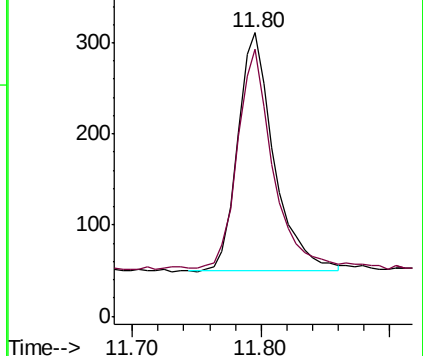
142 100

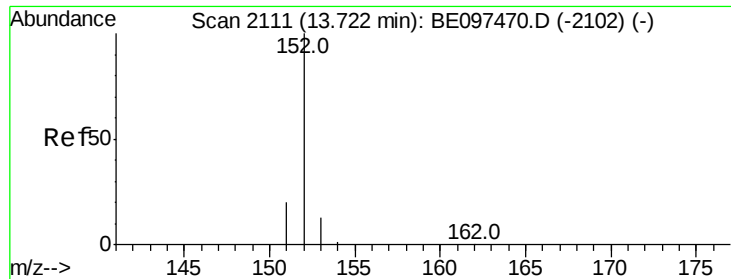
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

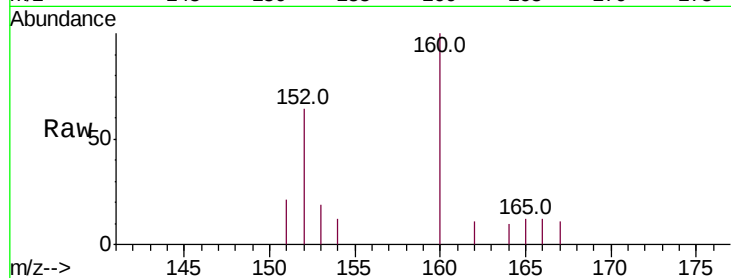
Tot Ion:152 Resp: 497

Ion Ratio Lower Upper

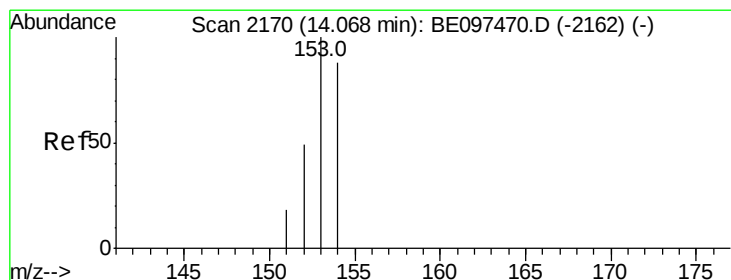
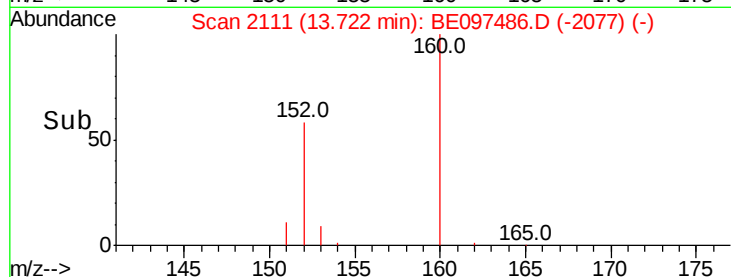
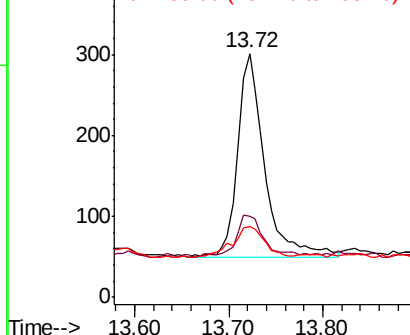
152 100

151 33.2 17.1 25.7#

153 29.2 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: 0.079 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

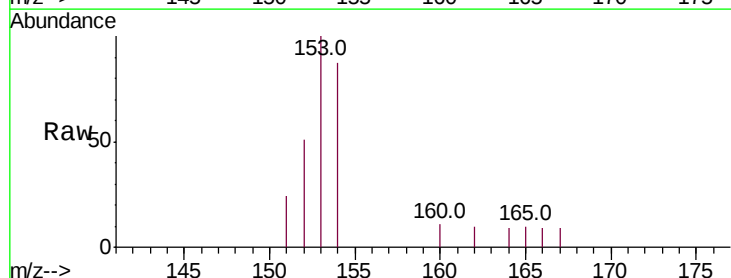
Tgt Ion:153 Resp: 763

Ion Ratio Lower Upper

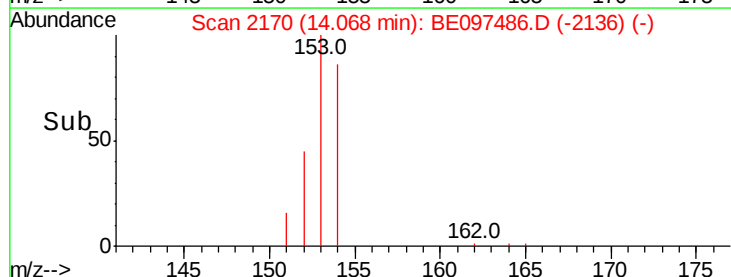
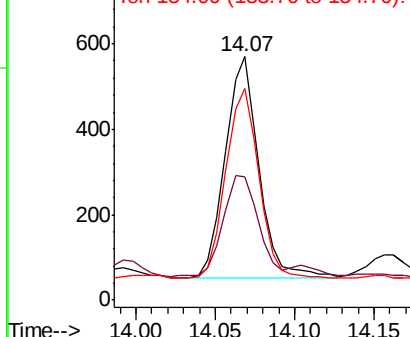
153 100

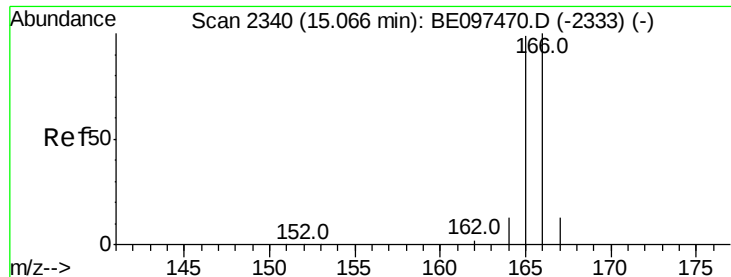
152 50.7 36.0 54.0

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

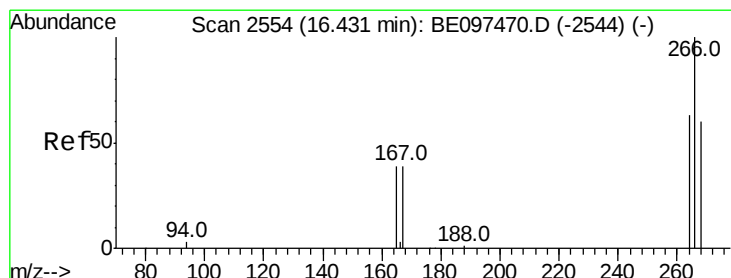
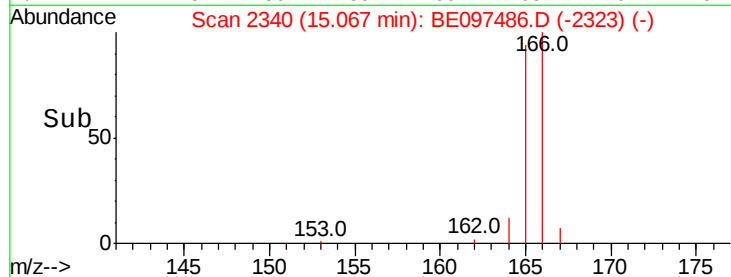
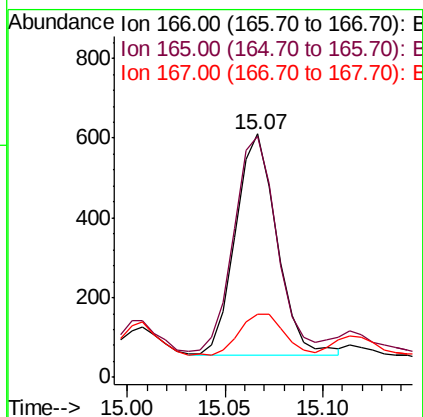
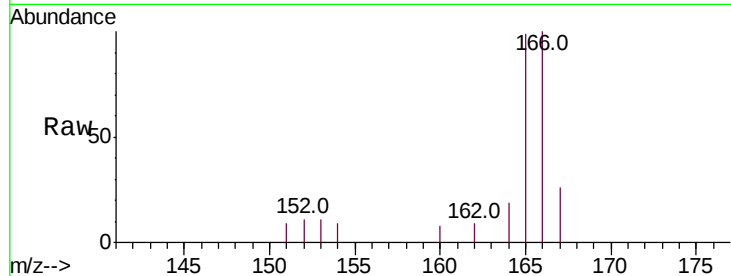




#9
Fluorene
 Concen: 0.074 ng/ul
 RT: 15.07 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: BE097486.D
 Acq: 14 Sep 2018 14:14

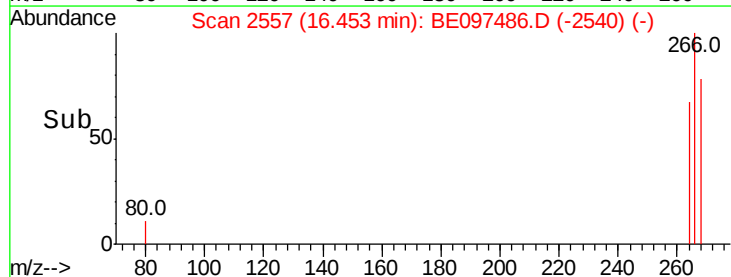
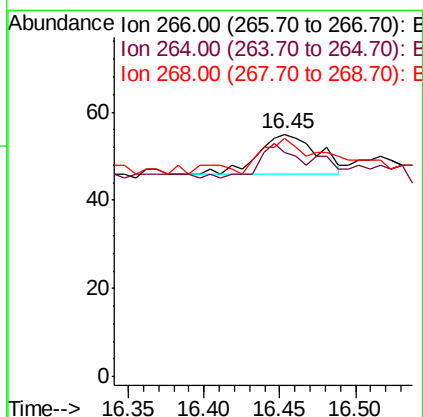
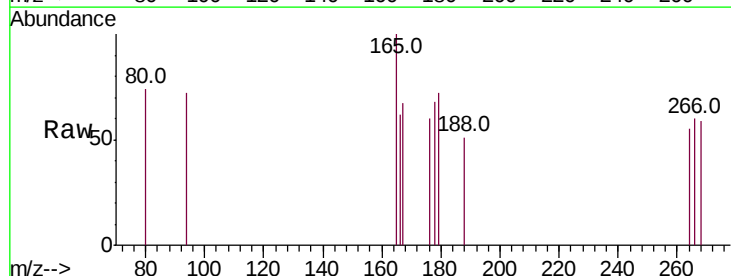
Instrument :
 BNA_E
 ClientSampleId :

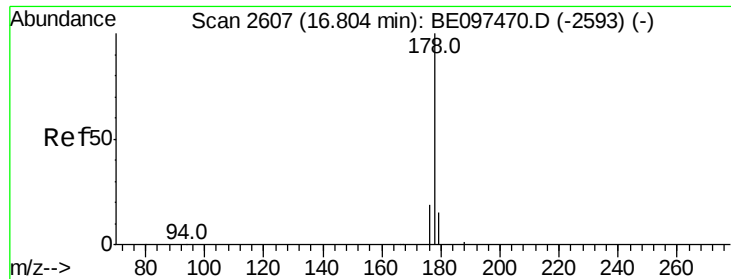
Tot Ion:166 Resp: 818
 Ion Ratio Lower Upper
 166 100
 165 99.2 73.4 110.2
 167 26.2 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.030 ng/ul
 RT: 16.45 min Scan# 2557
 Delta R.T. 0.02 min
 Lab File: BE097486.D
 Acq: 14 Sep 2018 14:14

Tgt Ion:266 Resp: 24
 Ion Ratio Lower Upper
 266 100
 264 79.2 47.9 71.9#
 268 87.5 49.8 74.8#





#12

Phenanthrene

Concen: 0.873 ng/ul

RT: 16.80 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

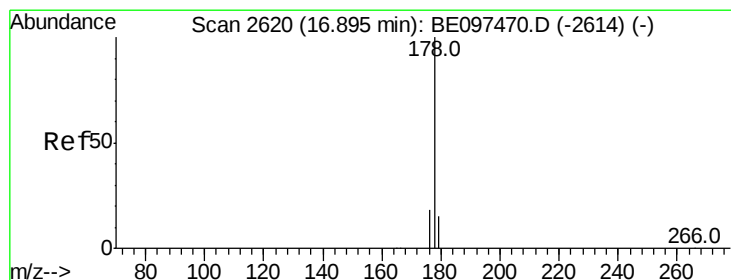
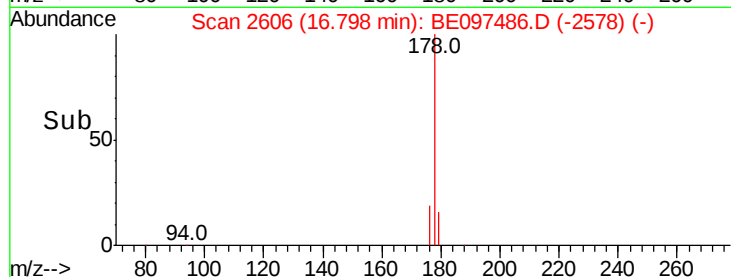
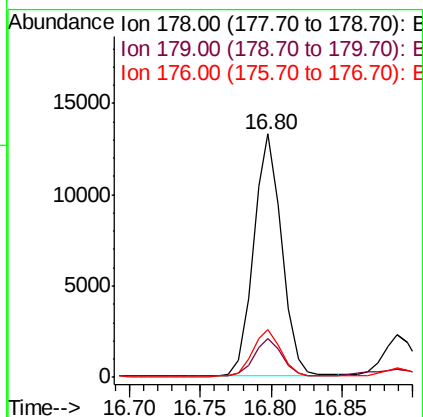
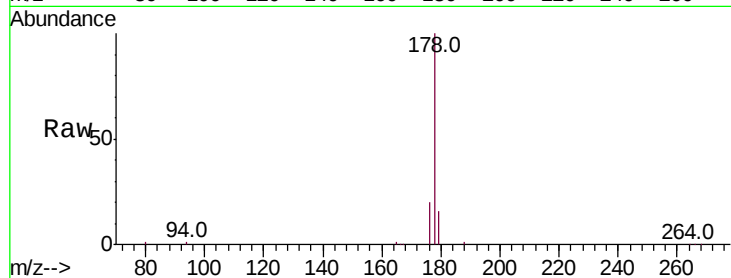
Tot Ion:178 Resp: 18379

Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

176 19.6 13.6 20.4



#13

Anthracene

Concen: 0.184 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

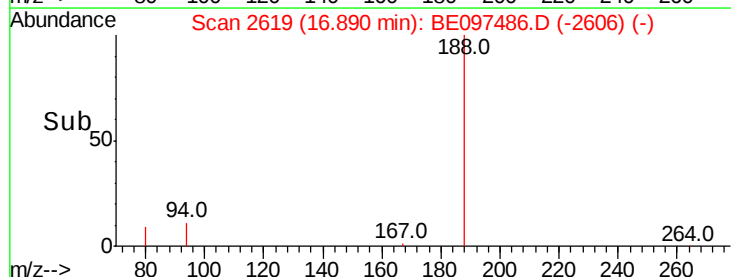
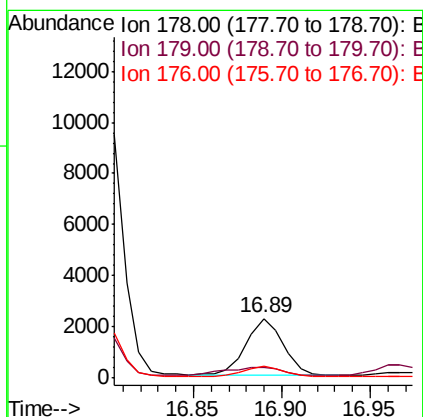
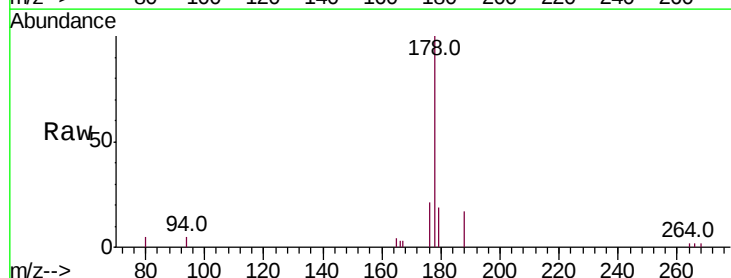
Tgt Ion:178 Resp: 3258

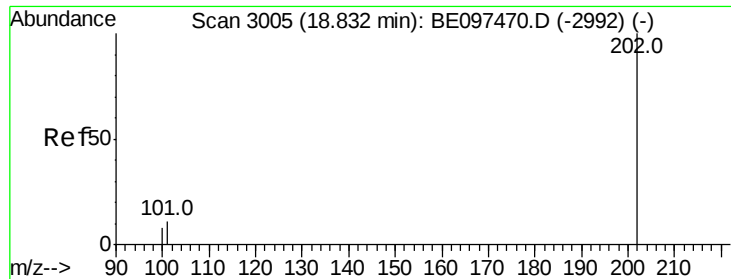
Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

176 20.8 14.7 22.1





#15

Fluoranthene

Concen: 1.002 ng/ul

RT: 18.83 min Scan# 3003

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

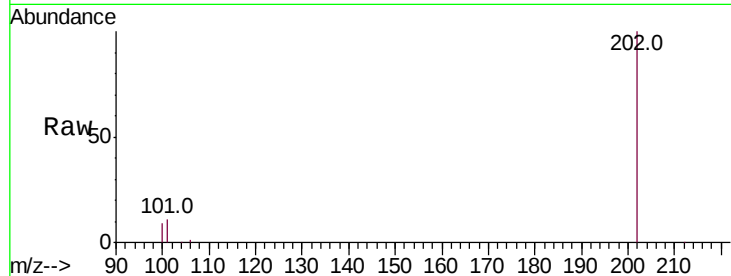
Tot Ion:202 Resp: 27094

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

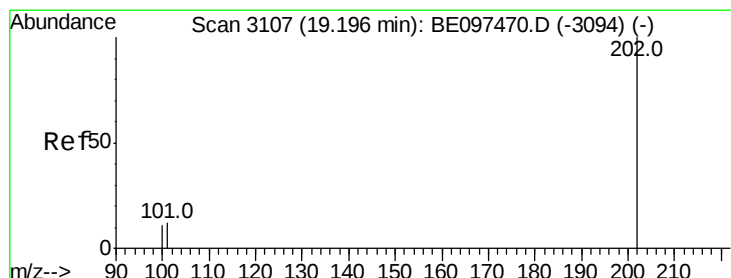
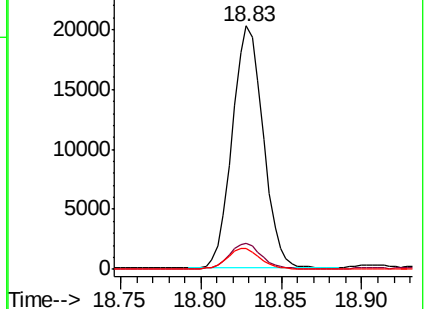
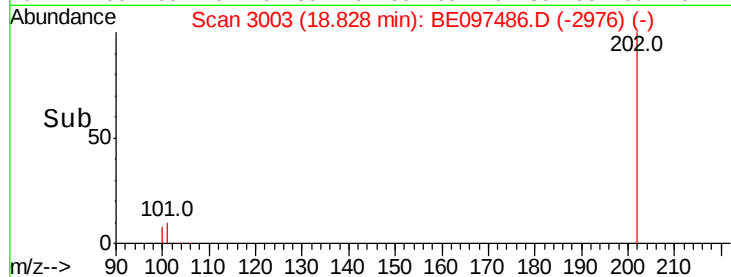
100 8.6 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 0.999 ng/ul

RT: 19.19 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

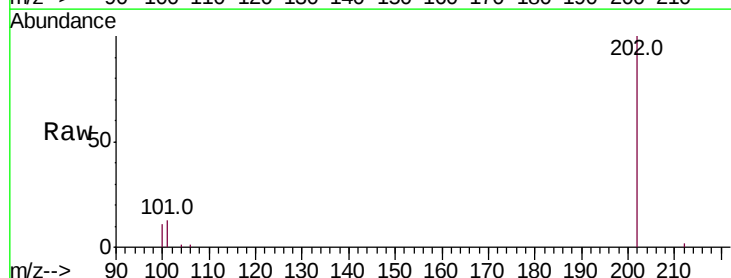
Tgt Ion:202 Resp: 26304

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

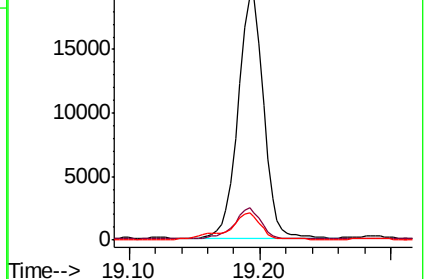
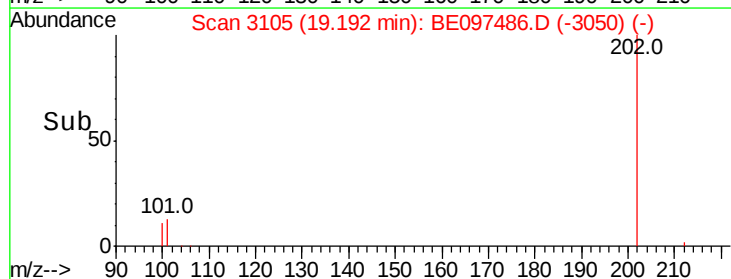
100 11.2 15.6 23.4#

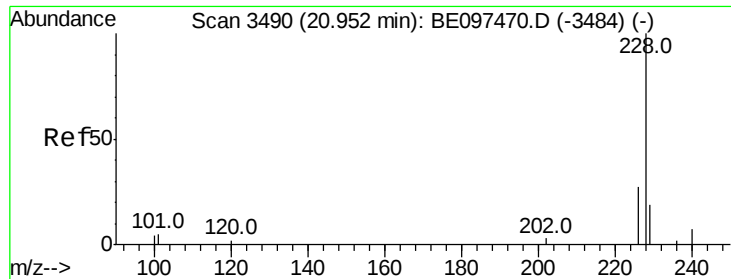


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.633 ng/ul

RT: 20.95 min Scan# 3489

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

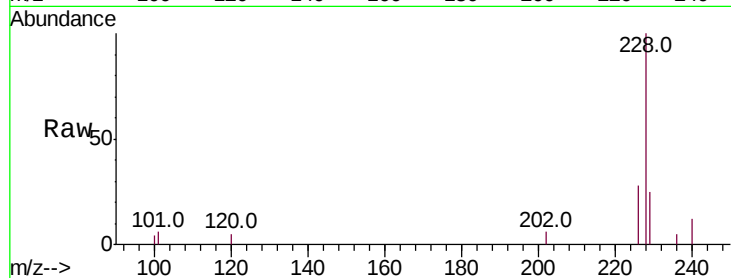
Tot Ion:228 Resp: 15915

Ion Ratio Lower Upper

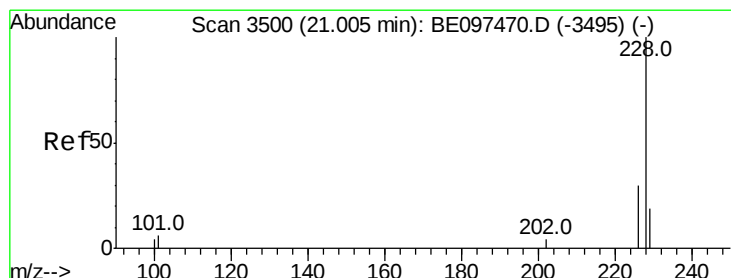
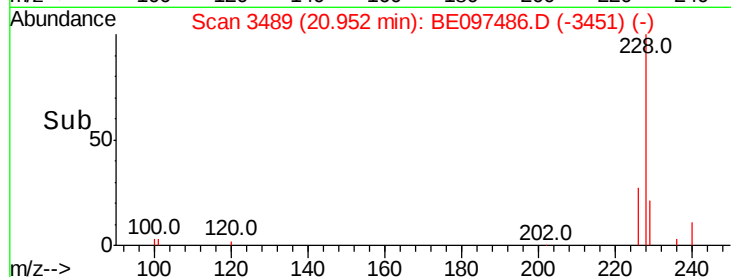
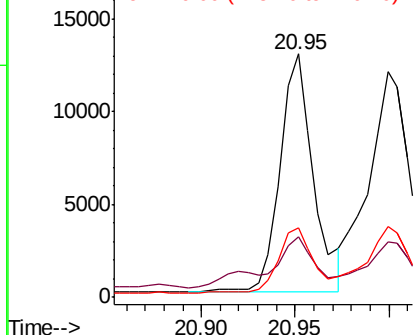
228 100

229 24.8 22.8 34.2

226 28.4 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



#19

Chrysene

Concen: 0.623 ng/ul

RT: 21.00 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

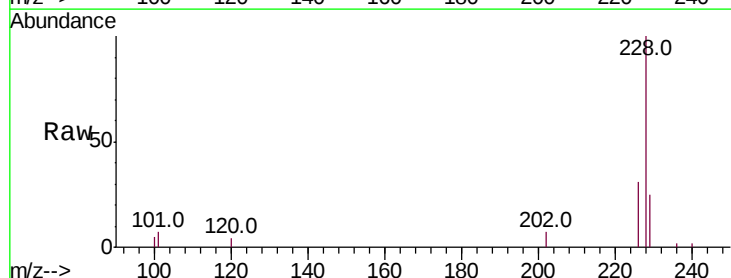
Tgt Ion:228 Resp: 18054

Ion Ratio Lower Upper

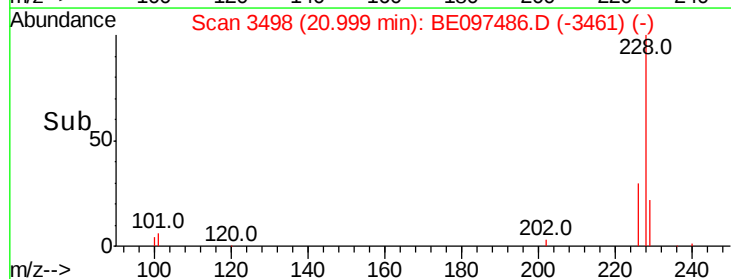
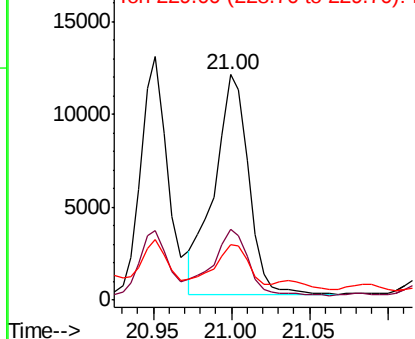
228 100

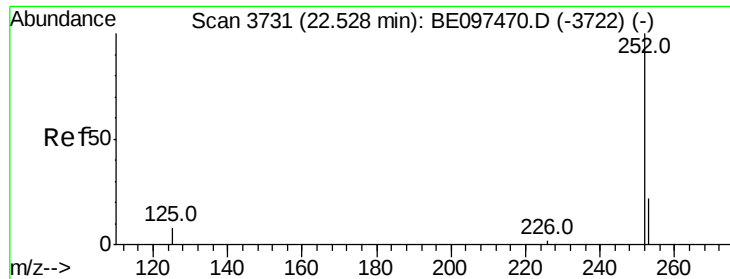
226 31.5 23.4 35.0

229 24.8 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: 0.885 ng/ul

RT: 22.53 min Scan# 3730

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

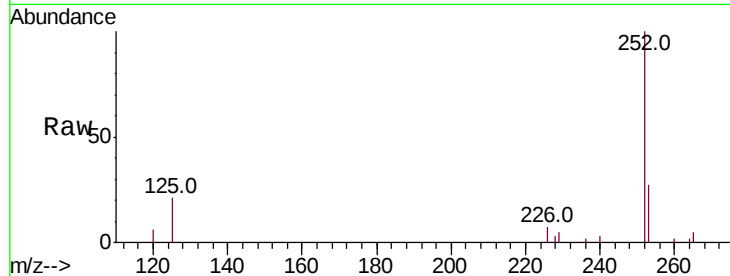
Tot Ion:252 Resp: 24441

Ion Ratio Lower Upper

252 100

253 26.6 0.0 64.2

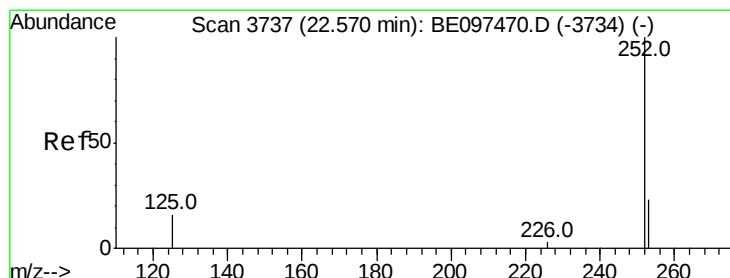
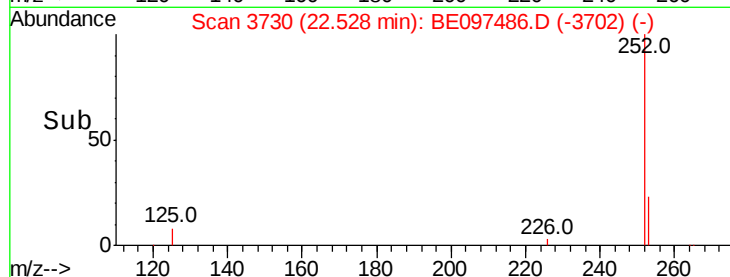
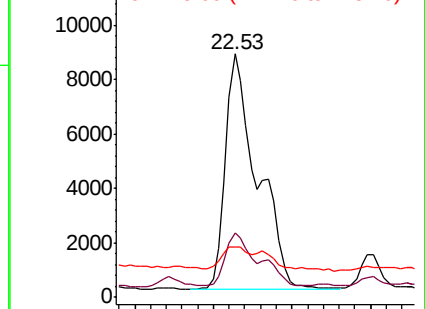
125 20.6 0.0 35.0



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: 0.794 ng/ul

RT: 22.53 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

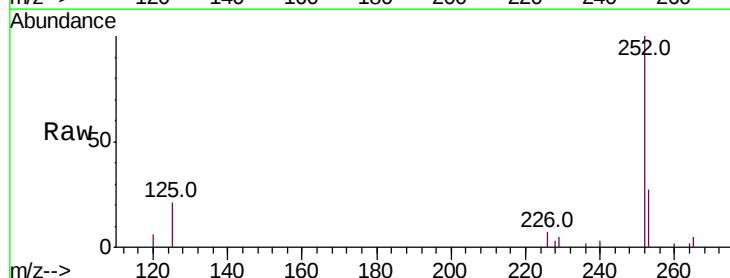
Tgt Ion:252 Resp: 24441

Ion Ratio Lower Upper

252 100

253 26.6 24.5 36.7

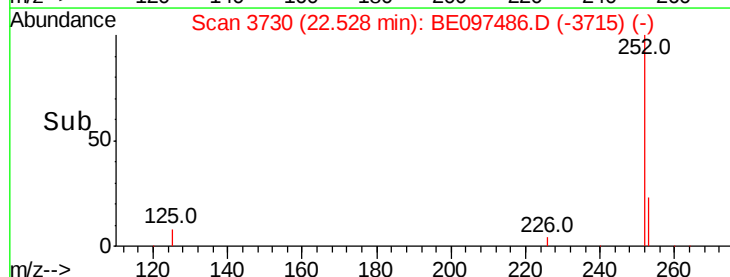
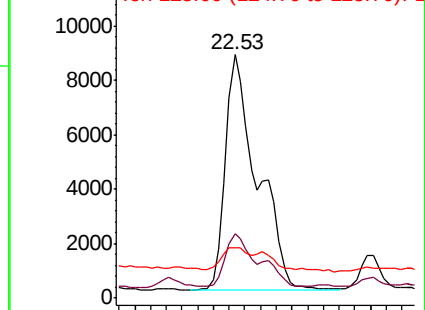
125 20.6 13.7 20.5#

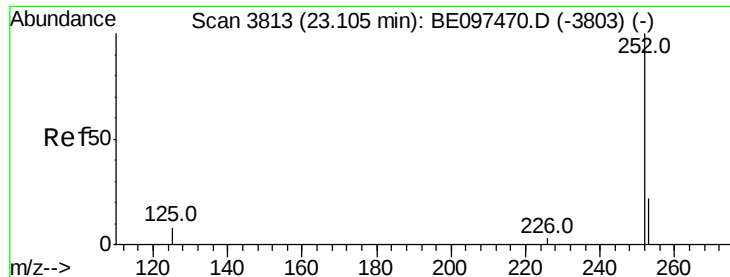


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.507 ng/ul

RT: 23.10 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

Instrument :

BNA_E

ClientSampleId :

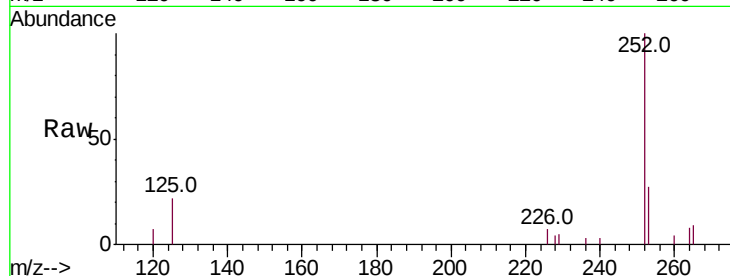
Tot Ion:252 Resp: 12946

Ion Ratio Lower Upper

252 100

253 27.0 28.5 42.7#

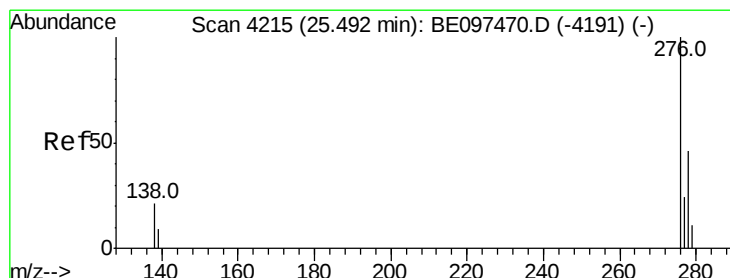
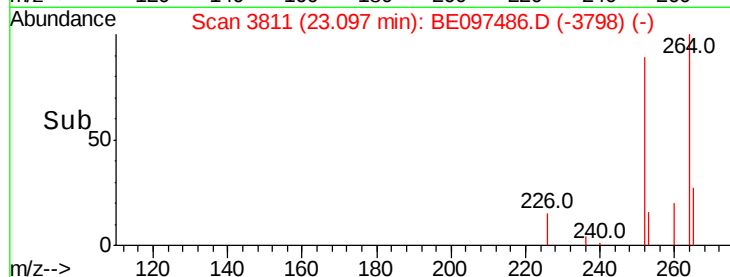
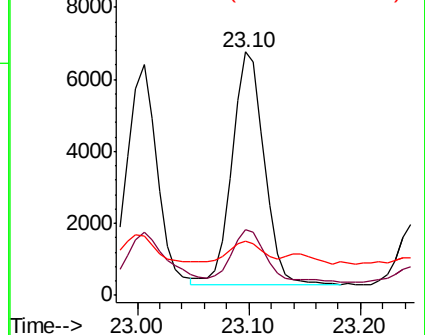
125 22.5 18.1 27.1



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: 0.285 ng/ul

RT: 25.49 min Scan# 4213

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 14 Sep 2018 14:14

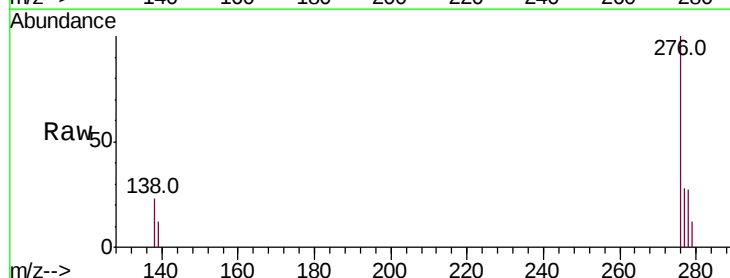
Tgt Ion:276 Resp: 9433

Ion Ratio Lower Upper

276 100

138 18.8 28.0 42.0#

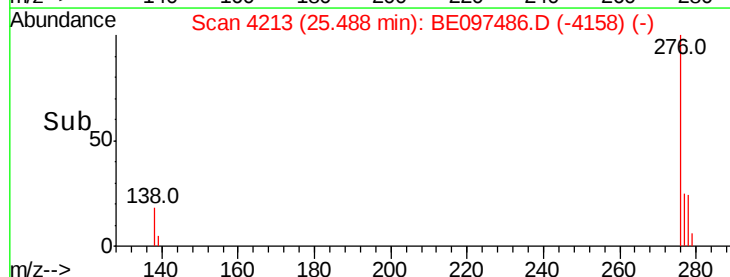
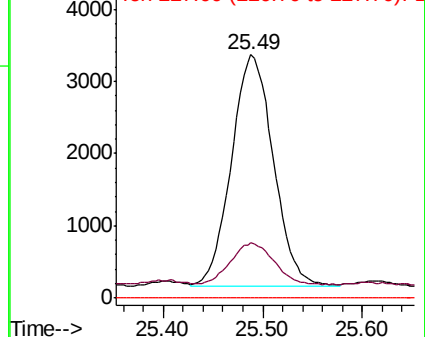
227 0.0 8.0 12.0#

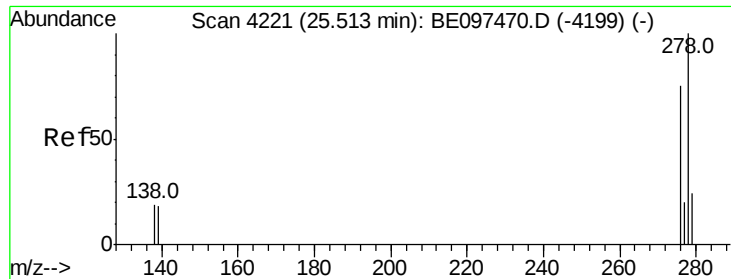


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

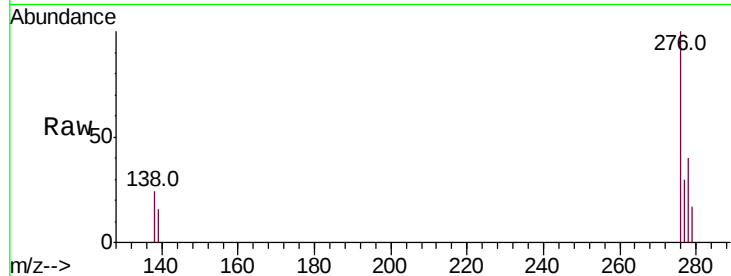




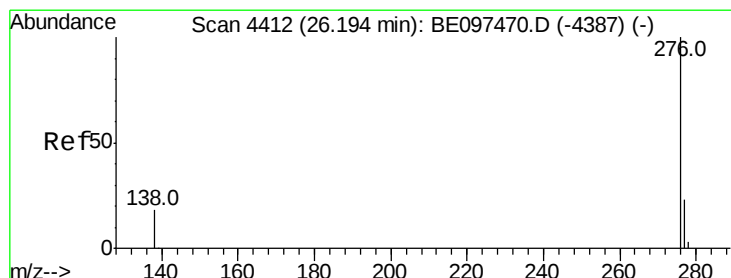
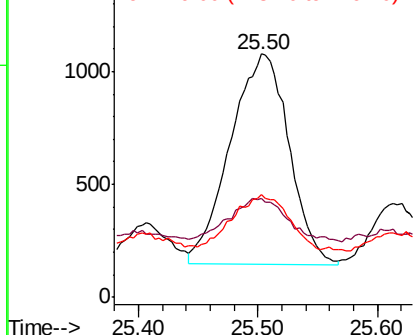
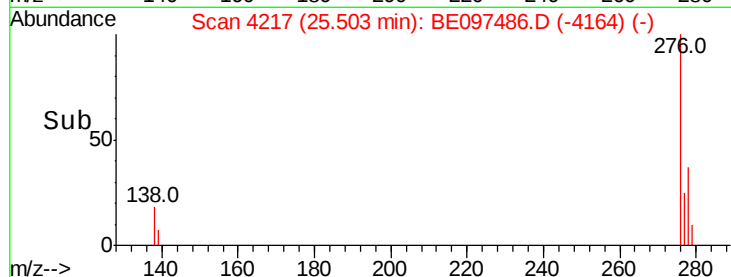
#25
Dibenzo(a,h)anthracene
Concen: 0.114 ng/ul
RT: 25.50 min Scan# 4217
Delta R.T. -0.01 min
Lab File: BE097486.D
Acq: 14 Sep 2018 14:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 3203
Ion Ratio Lower Upper
278 100
139 40.6 17.4 26.0#
279 42.1 25.9 38.9#

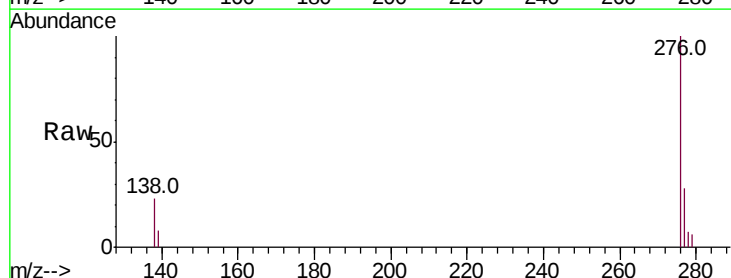


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.322 ng/ul
RT: 26.19 min Scan# 4410
Delta R.T. -0.00 min
Lab File: BE097486.D
Acq: 14 Sep 2018 14:14

Tgt Ion:276 Resp: 9076
Ion Ratio Lower Upper
276 100
138 22.5 21.8 32.8
277 27.7 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

