

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097469.D
 Acq On : 13 Sep 2018 2:28
 Operator : SJ/JU
 Sample : J4792-18DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 03:55:53 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 : Thu Sep 13 01:51:24 2018
 Response via : Initial Calibration

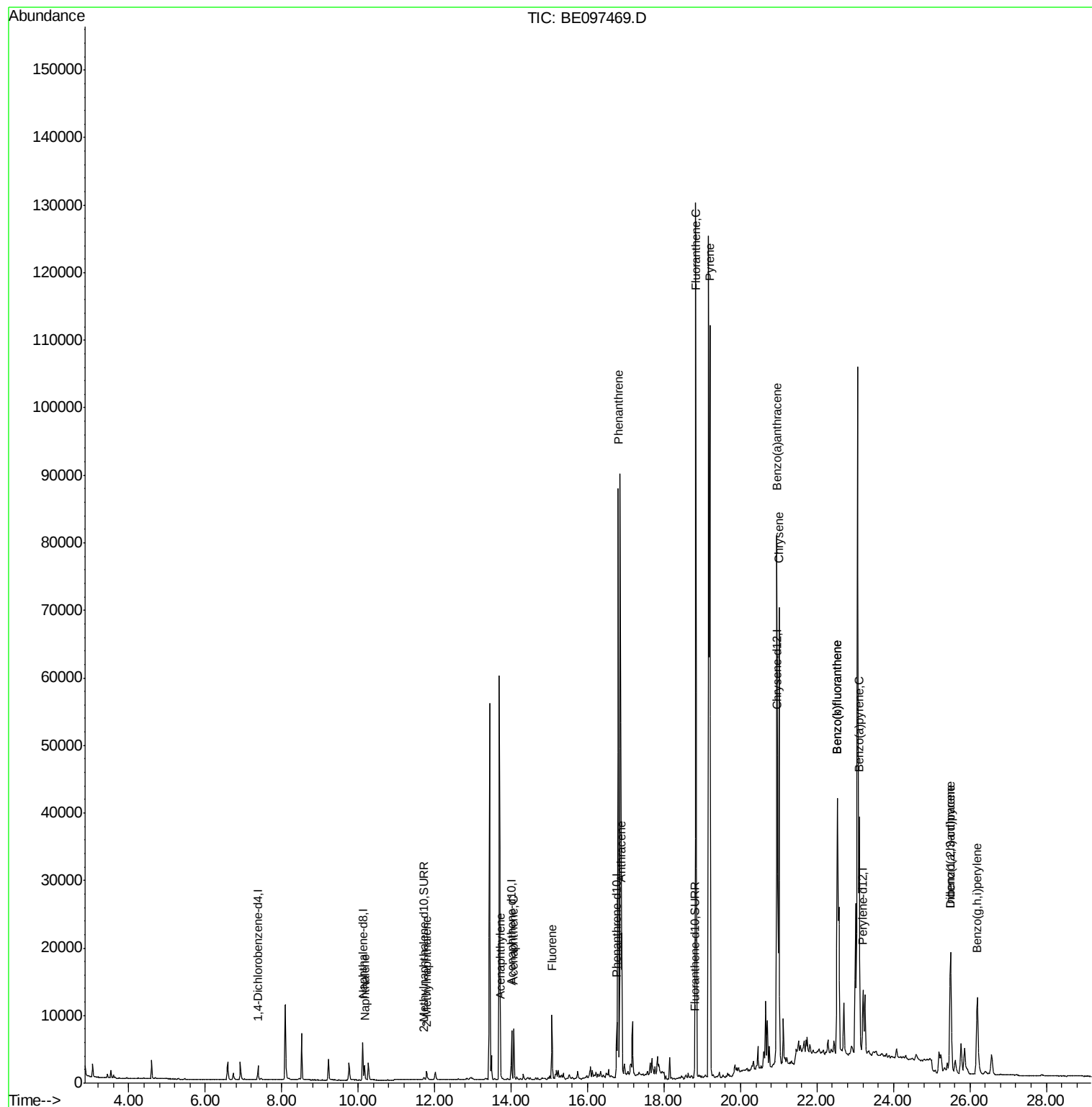
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	997	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5667	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3925	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	10010	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11283	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	11983	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	459	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	1595	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.17	128	3237	0.234	ng/ul#	94
5) 2-Methylnaphthalene	11.79	142	1162	0.133	ng/ul	98
7) Acenaphthylene	13.72	152	476	0.033	ng/ul#	63
8) Acenaphthene	14.07	153	4293	0.349	ng/ul	95
9) Fluorene	15.07	166	5608	0.398	ng/ul	92
12) Phenanthrene	16.80	178	95008	3.687	ng/ul#	90
13) Anthracene	16.89	178	22801	1.052	ng/ul#	92
15) Fluoranthene	18.83	202	141325	4.269	ng/ul	84
17) Pyrene	19.20	202	122246	4.026	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	60389	2.084	ng/ul#	86
19) Chrysene	21.00	228	56697	1.698	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	85660	2.669	ng/ul	86
22) Benzo(k)fluoranthene	22.53	252	85660	2.394	ng/ul#	88
23) Benzo(a)pyrene	23.10	252	46543	1.568	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.49	276	29522	0.767	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.50	278	7802	0.239	ng/ul#	91
26) Benzo(a,h,i)perylene	26.19	276	25698	0.783	ng/ul#	93

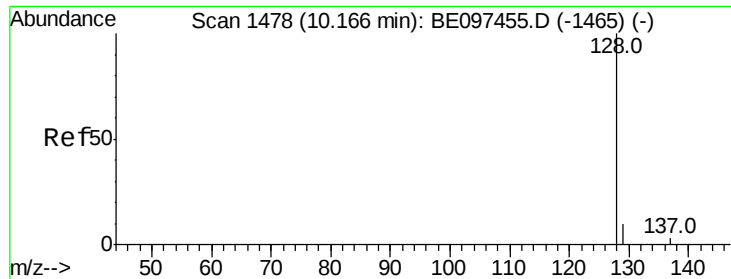
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampleId :

Quant Time: Sep 13 03:55:53 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 : Thu Sep 13 01:51:24 2018
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#3

Naphthalene

Concen: 0.234 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampled :

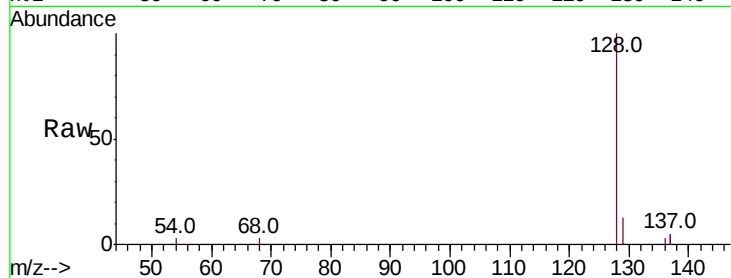
Tot Ion:128 Resp: 3237

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

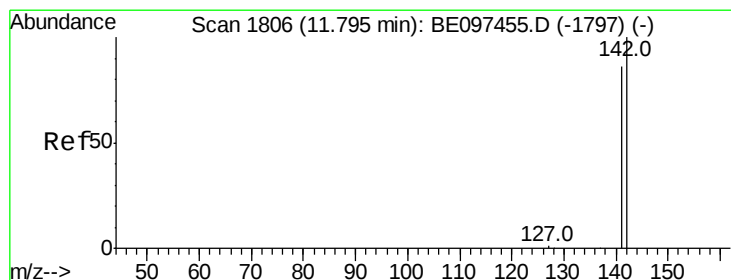
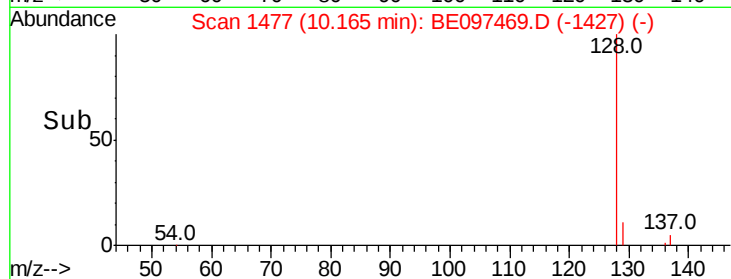
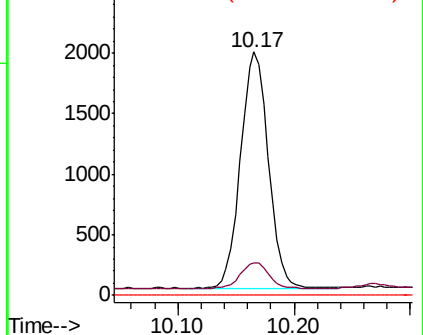
127 0.0 4.0 6.0#



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: 0.133 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097469.D

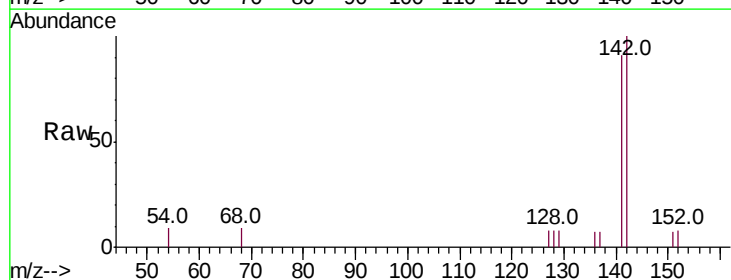
Acq: 13 Sep 2018 2:28

Tgt Ion:142 Resp: 1162

Ion Ratio Lower Upper

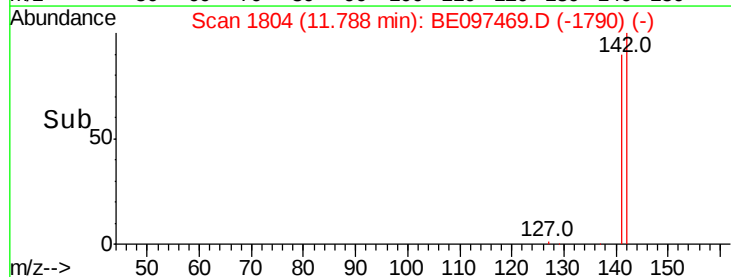
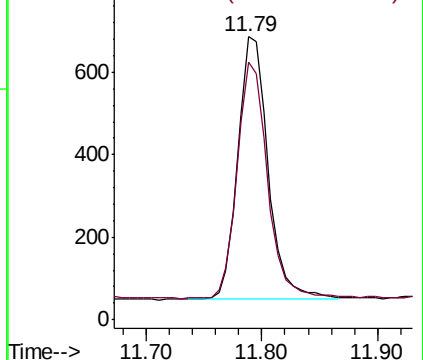
142 100

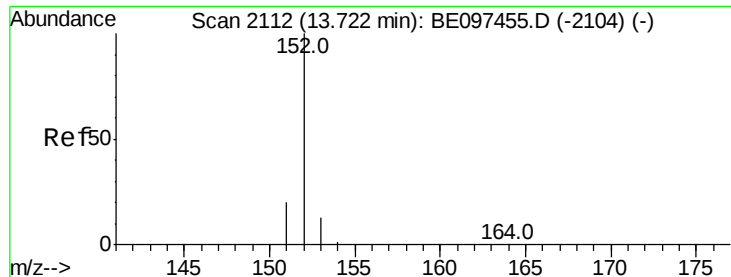
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.033 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

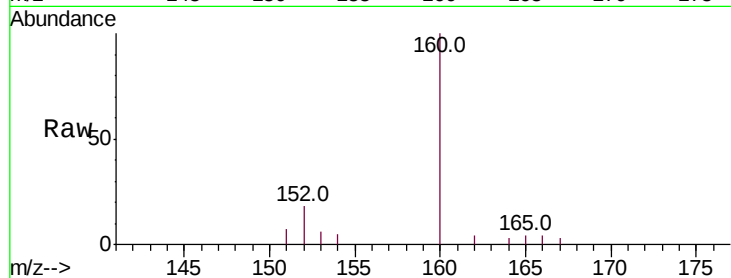
Tot Ion:152 Resp: 476

Ion Ratio Lower Upper

152 100

151 36.6 17.1 25.7#

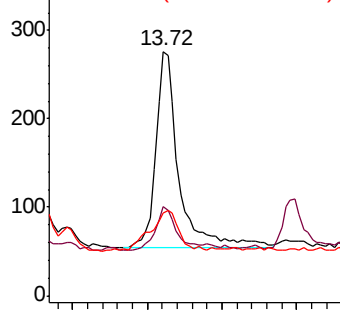
153 34.1 12.8 19.2#



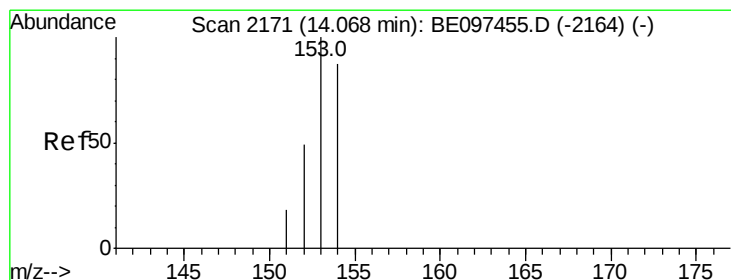
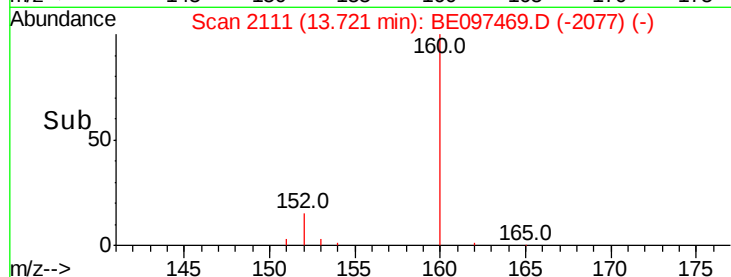
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.349 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

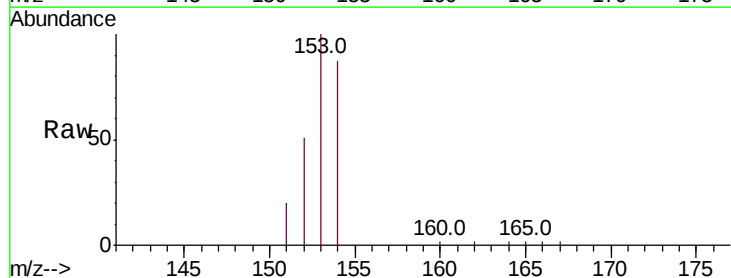
Tgt Ion:153 Resp: 4293

Ion Ratio Lower Upper

153 100

152 50.8 36.0 54.0

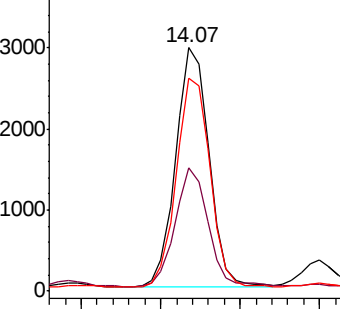
154 87.4 72.0 108.0



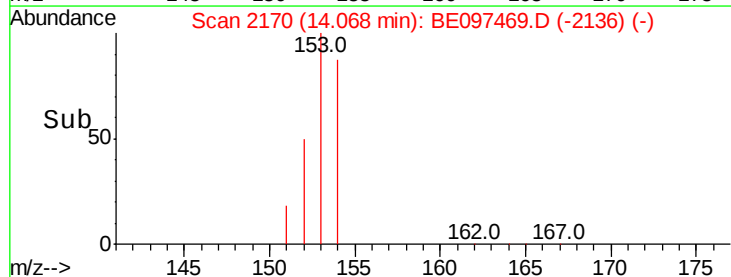
Abundance Ion 153.00 (152.70 to 153.70): E

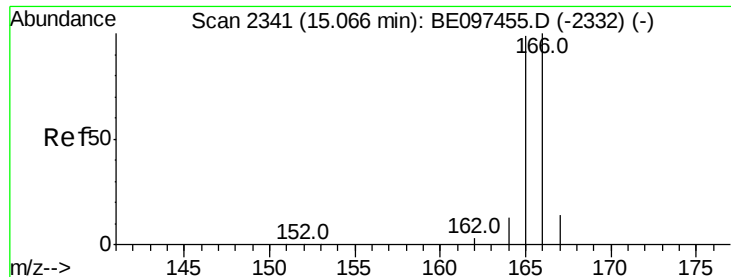
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.398 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

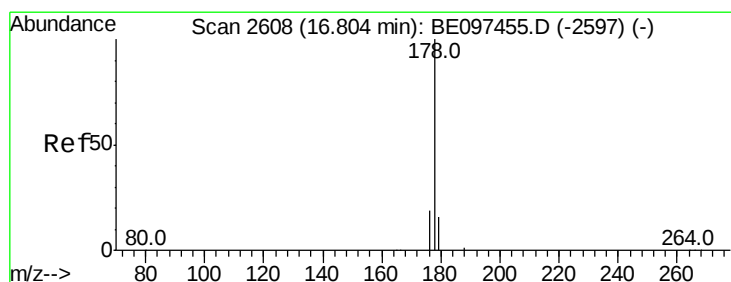
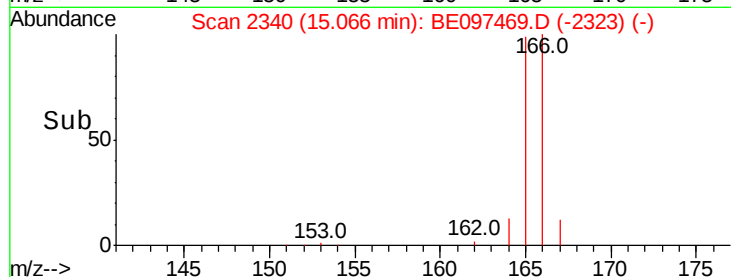
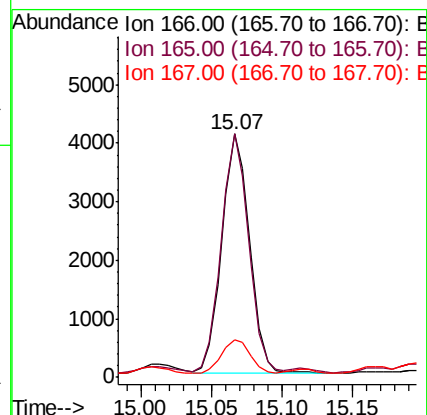
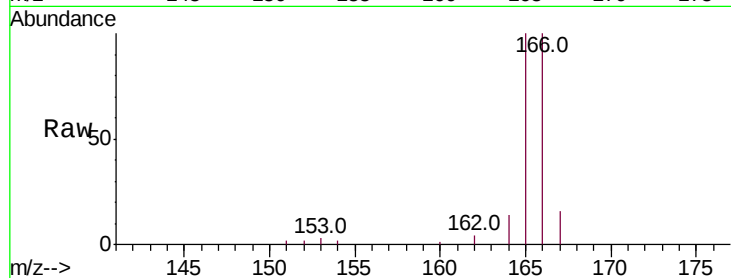
Tot Ion:166 Resp: 5608

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

167 15.6 14.6 22.0



#12

Phenanthrene

Concen: 3.687 ng/ul

RT: 16.80 min Scan# 2607

Delta R.T. 0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

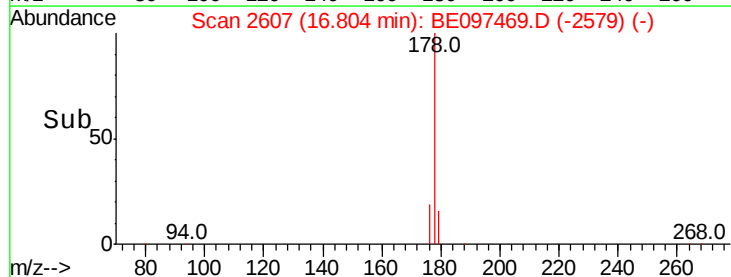
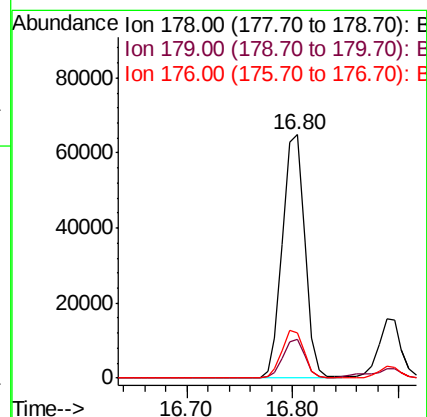
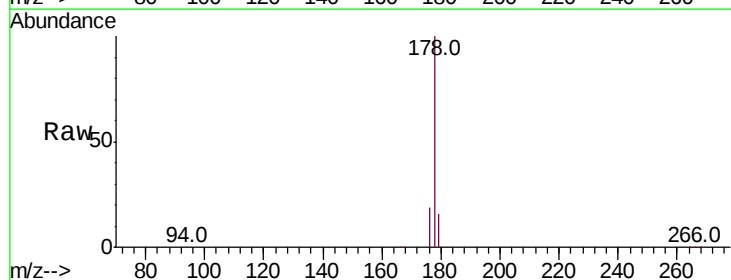
Tgt Ion:178 Resp: 95008

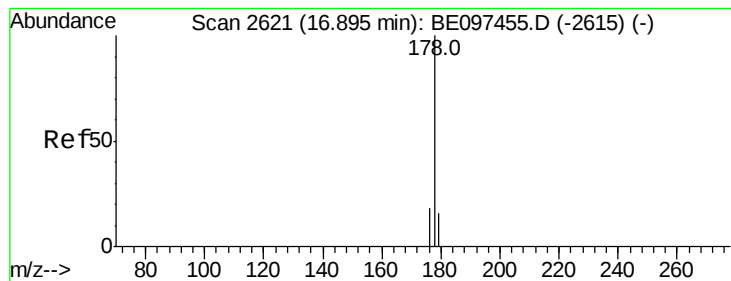
Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

176 18.7 13.6 20.4





#13

Anthracene

Concen: 1.052 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

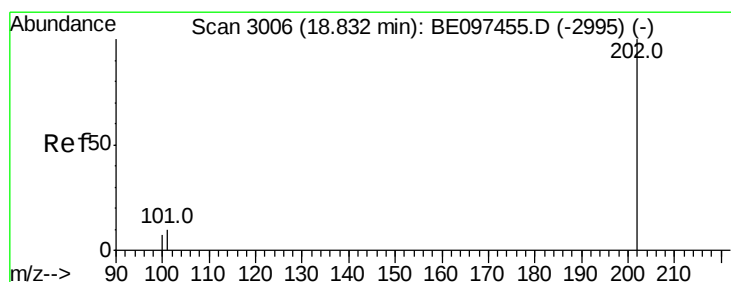
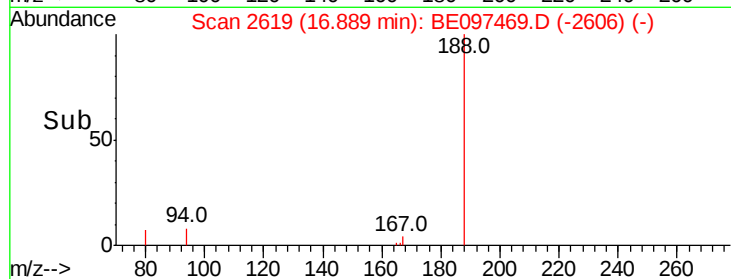
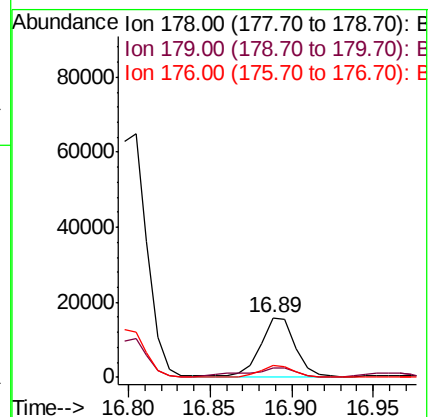
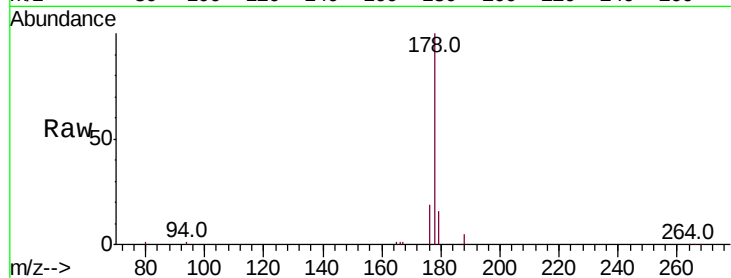
Tot Ion:178 Resp: 22801

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 19.2 14.7 22.1



#15

Fluoranthene

Concen: 4.269 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. 0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

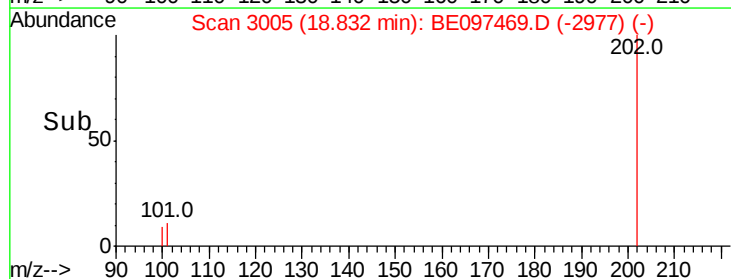
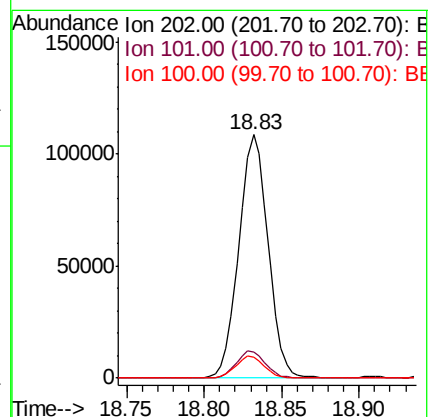
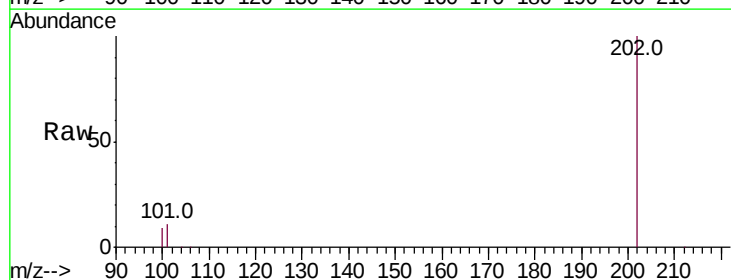
Tgt Ion:202 Resp: 141325

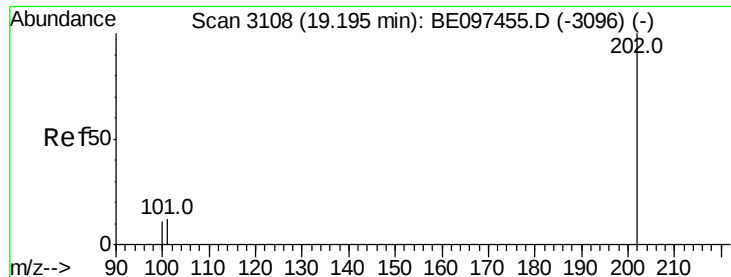
Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

100 8.6 0.0 39.5





#17

Pvrene

Concen: 4.026 ng/ul

RT: 19.20 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

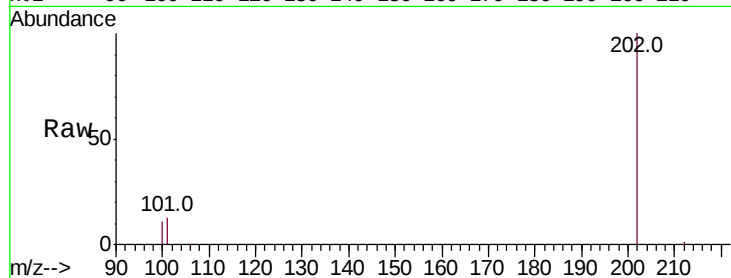
Tot Ion:202 Resp: 122246

Ion Ratio Lower Upper

202 100

101 13.0 18.2 27.4#

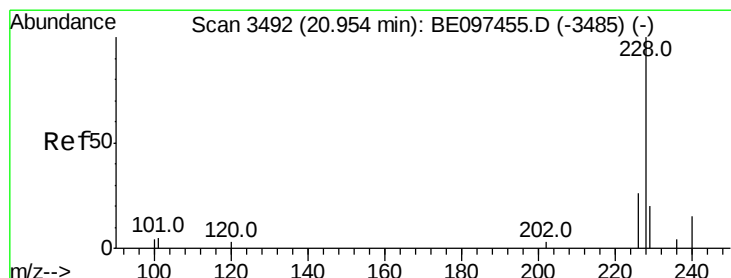
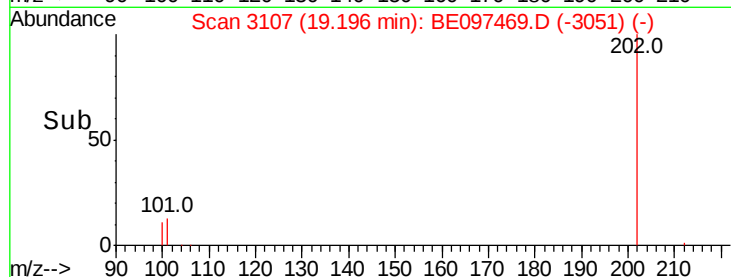
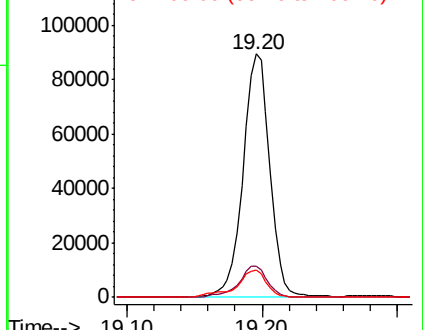
100 11.0 15.6 23.4#



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: 2.084 ng/ul

RT: 20.95 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

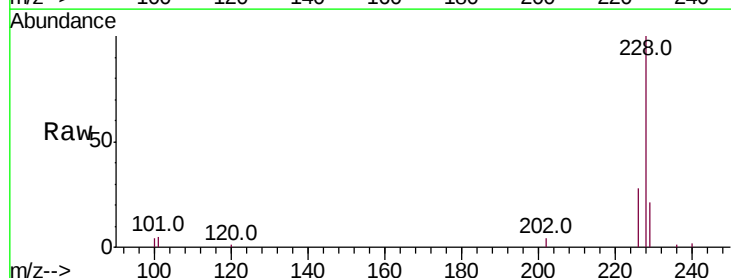
Tgt Ion:228 Resp: 60389

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

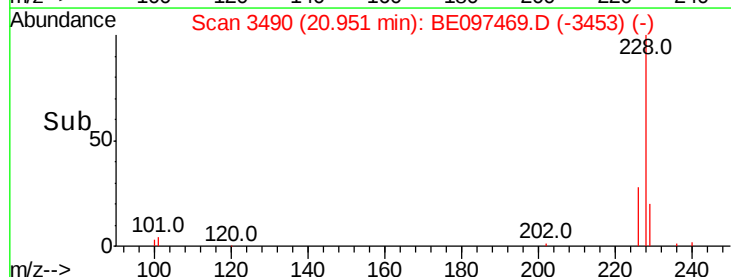
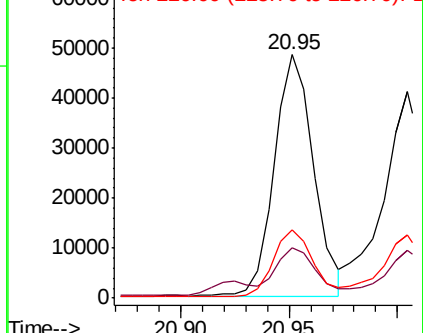
226 28.0 17.0 25.6#

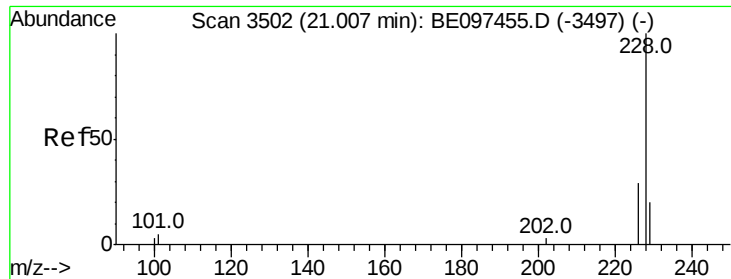


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.698 ng/ul

RT: 21.00 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

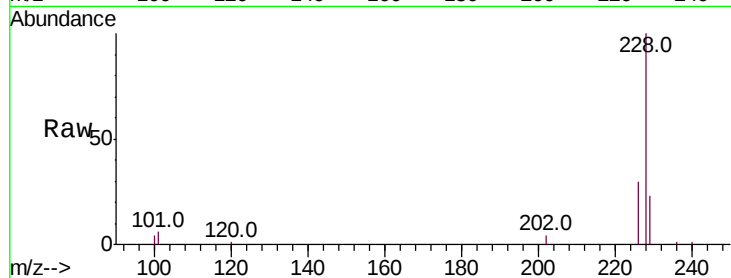
Tot Ion:228 Resp: 56697

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

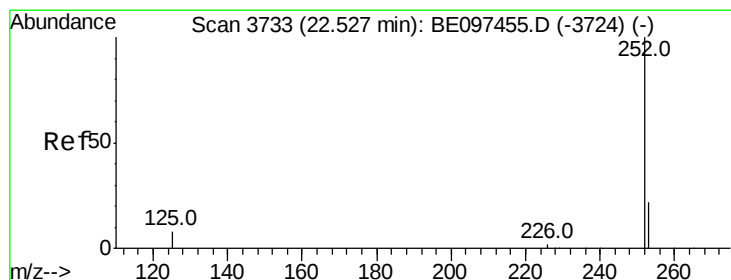
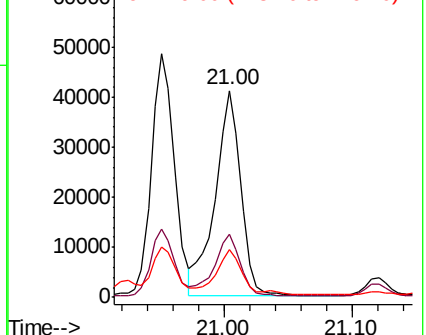
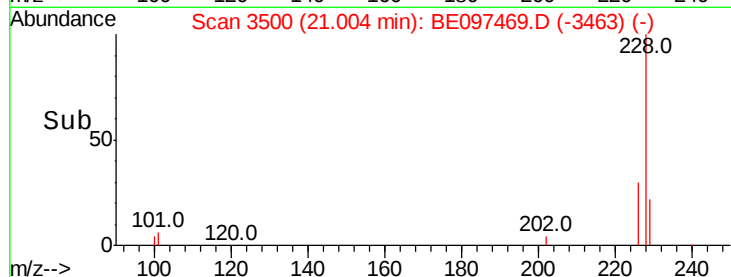
229 23.1 17.7 26.5



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: 2.669 ng/ul

RT: 22.53 min Scan# 3731

Delta R.T. 0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

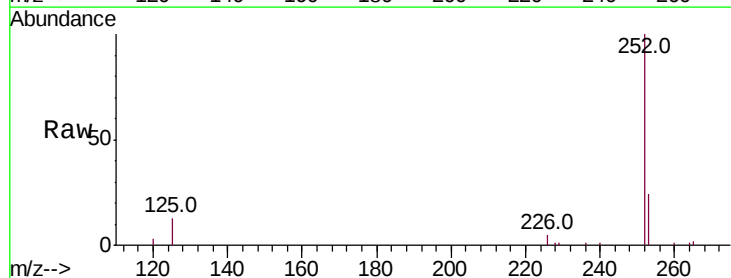
Tgt Ion:252 Resp: 85660

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

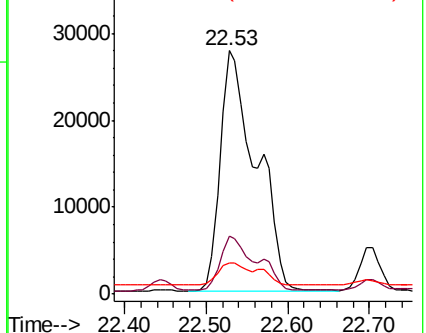
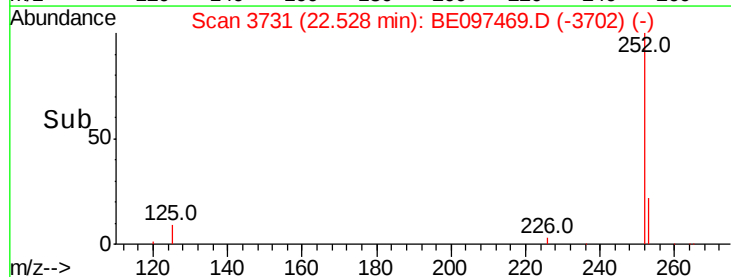
125 12.9 0.0 35.0

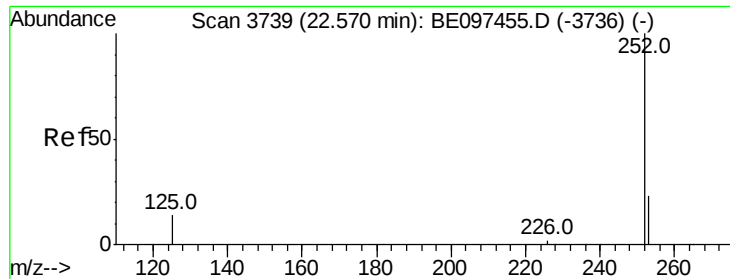


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.394 ng/ul

RT: 22.53 min Scan# 3731

Delta R.T. -0.04 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :

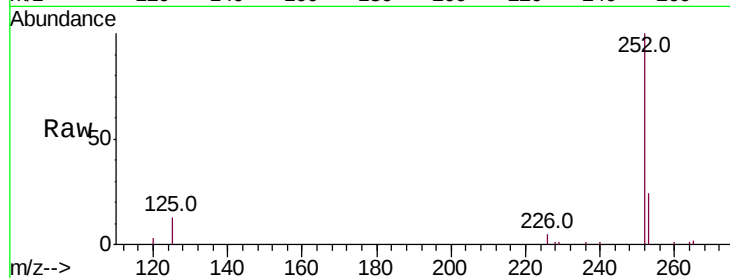
Tot Ion:252 Resp: 85660

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

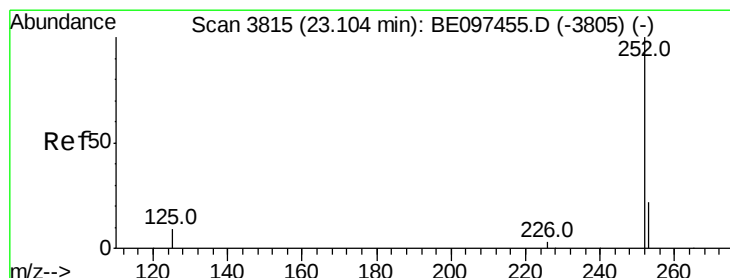
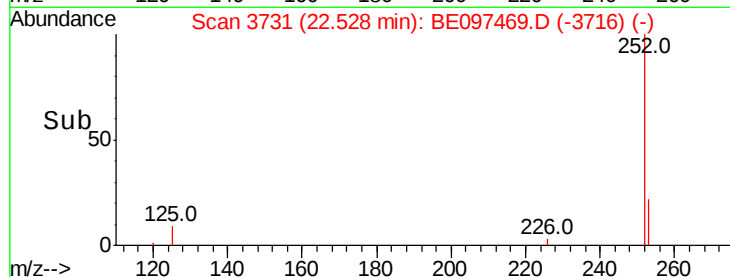
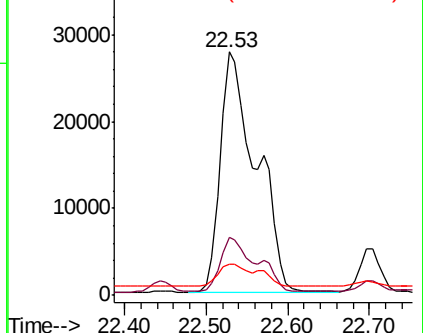
125 12.9 13.7 20.5#



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: 1.568 ng/ul

RT: 23.10 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

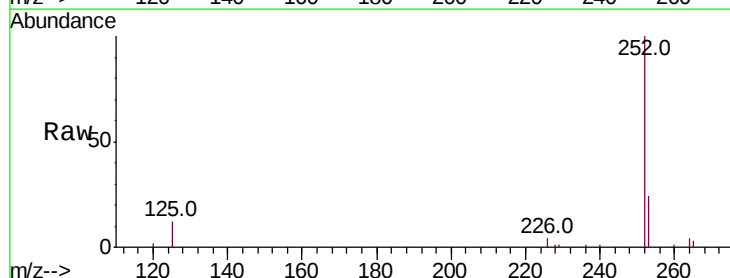
Tgt Ion:252 Resp: 46543

Ion Ratio Lower Upper

252 100

253 23.7 28.5 42.7#

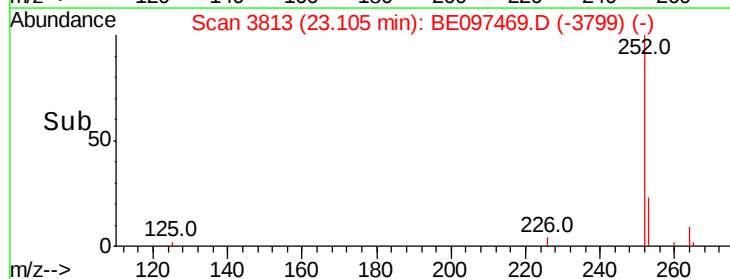
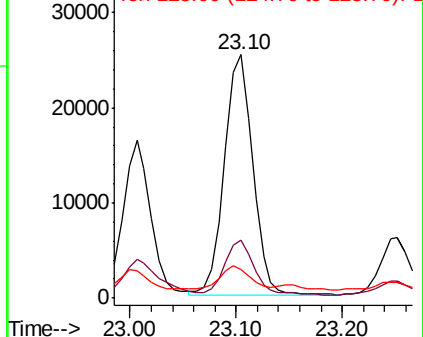
125 11.9 18.1 27.1#

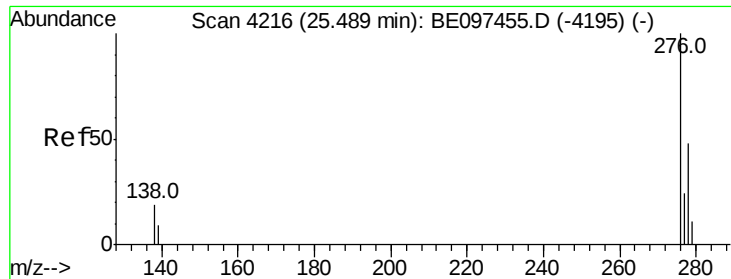


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

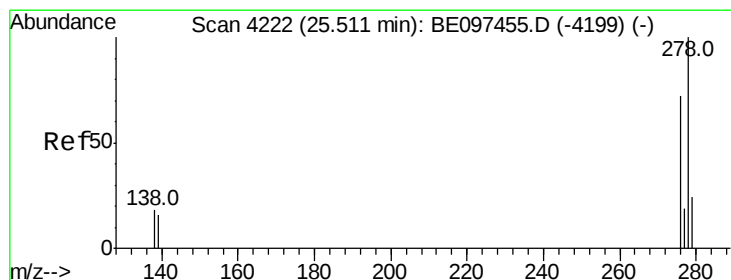
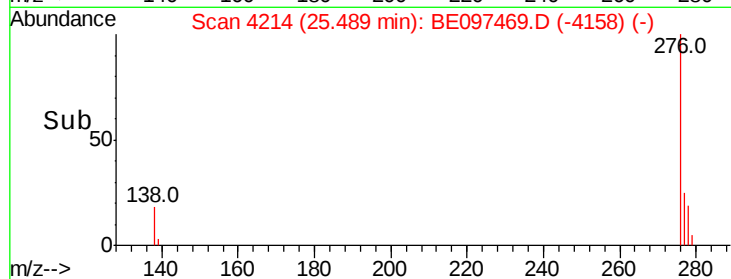
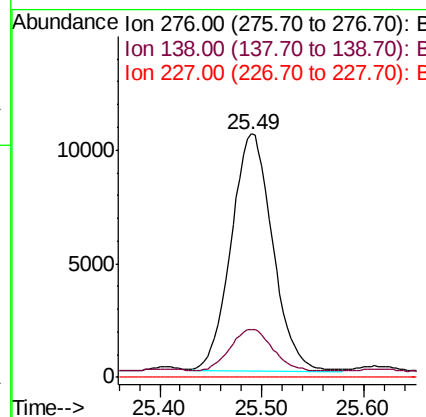
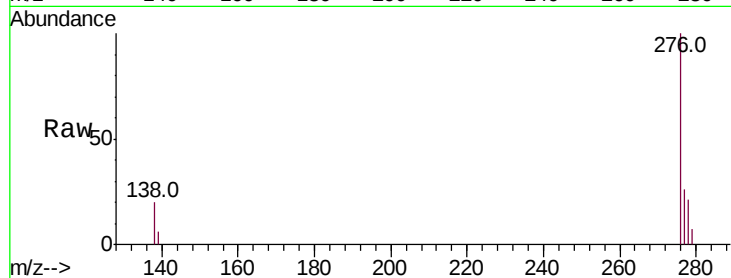




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.767 ng/ul
 RT: 25.49 min Scan# 4214
 Delta R.T. -0.00 min
 Lab File: BE097469.D
 Acq: 13 Sep 2018 2:28

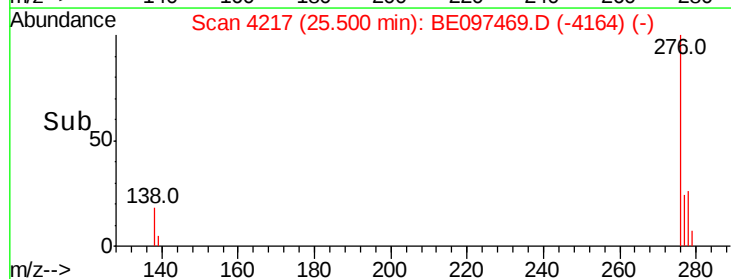
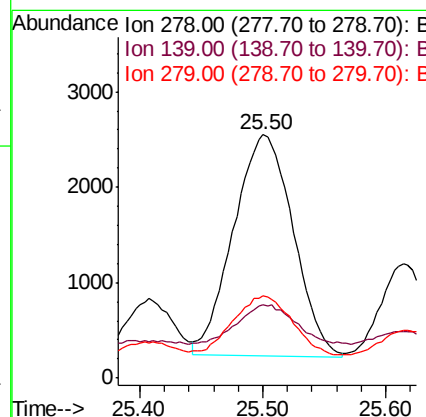
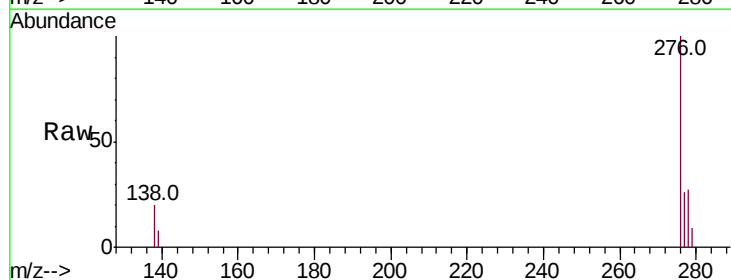
Instrument :
 BNA_E
 ClientSampleId :

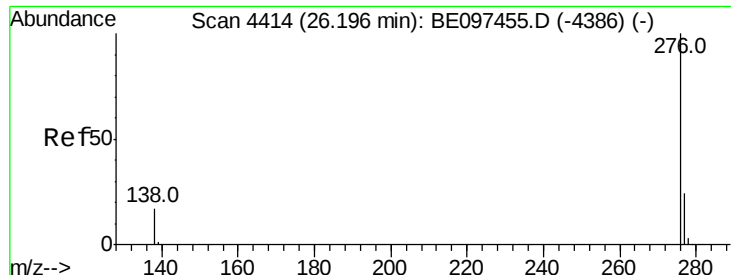
Tot Ion:276 Resp: 29522
 Ion Ratio Lower Upper
 276 100
 138 18.5 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.239 ng/ul
 RT: 25.50 min Scan# 4217
 Delta R.T. -0.01 min
 Lab File: BE097469.D
 Acq: 13 Sep 2018 2:28

Tgt Ion:278 Resp: 7802
 Ion Ratio Lower Upper
 278 100
 139 30.3 17.4 26.0#
 279 33.8 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.783 ng/ul

RT: 26.19 min Scan# 4410

Delta R.T. -0.01 min

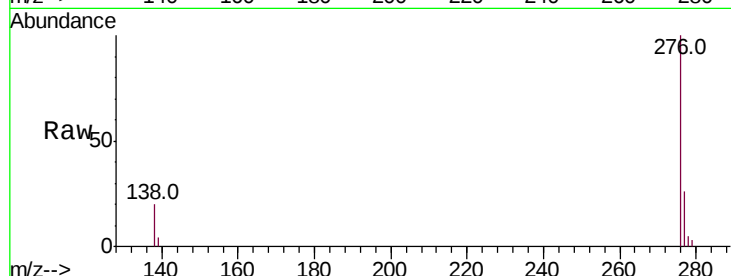
Lab File: BE097469.D

Acq: 13 Sep 2018 2:28

Instrument :

BNA_E

ClientSampleId :



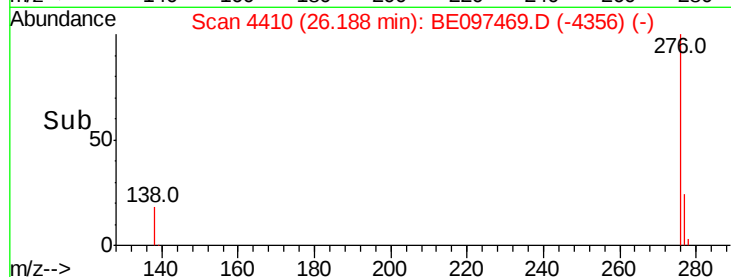
Tot Ion:276 Resp: 25698

Ion Ratio Lower Upper

276 100

138 20.2 21.8 32.8#

277 26.0 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

