

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101218\
 Data File : BE097898.D
 Acq On : 13 Oct 2018 2:50
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 13 06:53:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 13 02:57:21 2018
 Response via : Initial Calibration

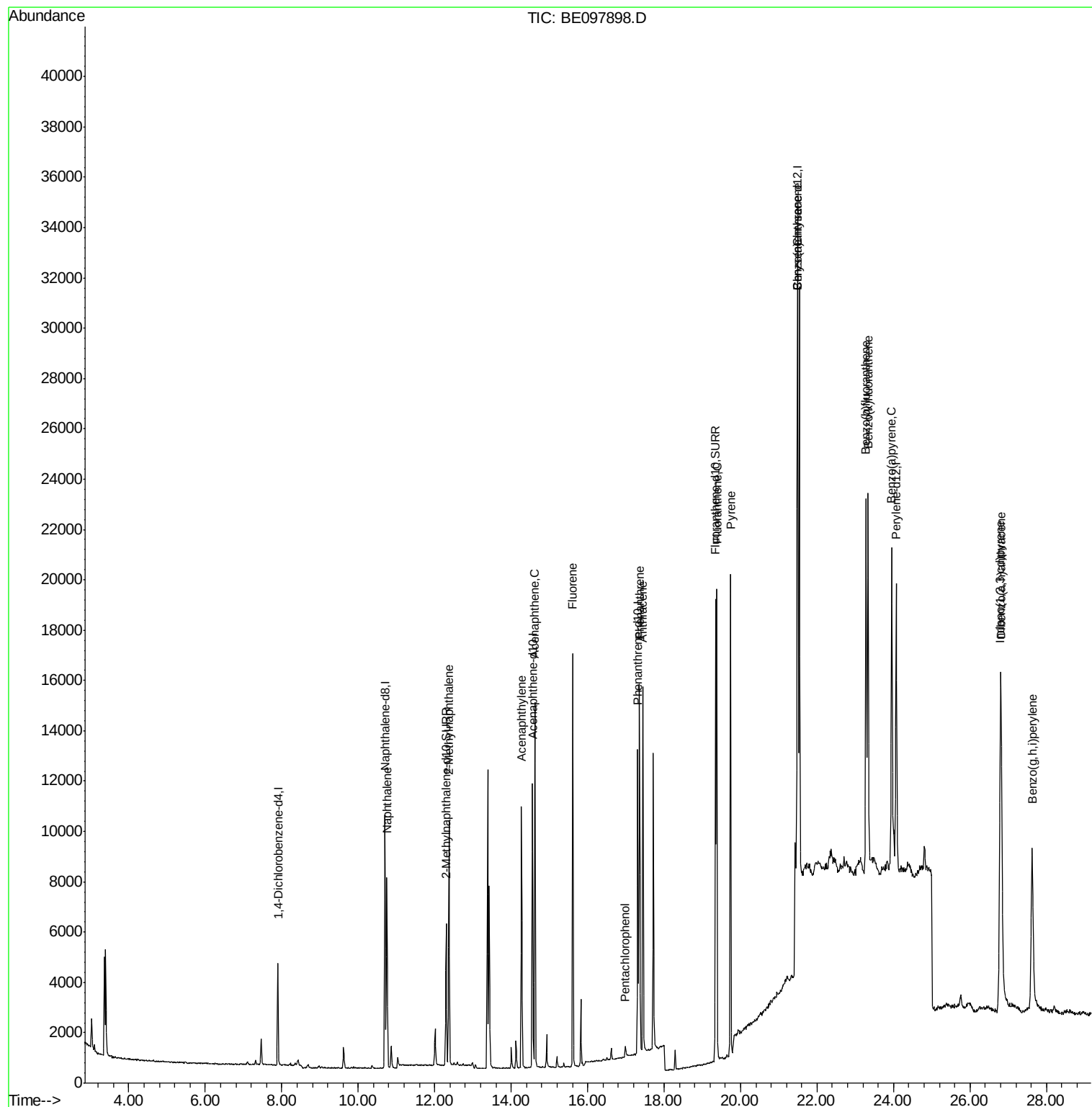
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2049	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10745	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	6616	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.32	188	15236	0.40	ng/ul	0.00
16) Chrysene-d12	21.50	240	16199	0.40	ng/ul	0.00
20) Perylene-d12	24.07	264	16441	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	7809	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.35	212	21290	0.43	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.75	128	11304	0.432	ng/ul	98
5) 2-Methylnaphthalene	12.37	142	8206	0.434	ng/ul	99
7) Acenaphthylene	14.27	152	11751	0.469	ng/ul	97
8) Acenaphthene	14.62	153	8646	0.445	ng/ul	97
9) Fluorene	15.61	166	10147	0.400	ng/ul	100
11) Pentachlorophenol	16.99	266	345	0.161	ng/ul	96
12) Phenanthrene	17.35	178	15901	0.441	ng/ul	98
13) Anthracene	17.44	178	16060	0.481	ng/ul	99
15) Fluoranthene	19.38	202	20391	0.440	ng/ul	97
17) Pyrene	19.74	202	26789	0.555	ng/ul	97
18) Benzo(a)anthracene	21.48	228	21765	0.444	ng/ul	95
19) Chrysene	21.48	228	21765	0.495	ng/ul	96
21) Benzo(b)fluoranthene	23.28	252	21485	0.489	ng/ul#	84
22) Benzo(k)fluoranthene	23.33	252	20418	0.434	ng/ul#	80
23) Benzo(a)pyrene	23.96	252	20414	0.473	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	26.79	276	22767	0.465	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.81	278	19307	0.477	ng/ul#	80
26) Benzo(g,h,i)perylene	27.62	276	18146	0.425	ng/ul#	80

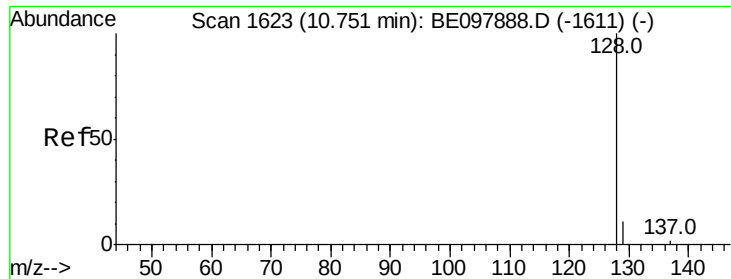
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.432 ng/ul

RT: 10.75 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

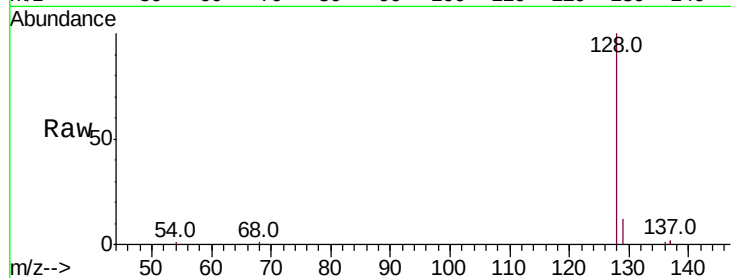
Tot Ion:128 Resp: 11304

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

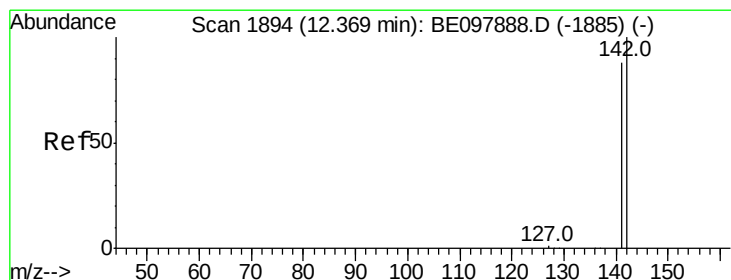
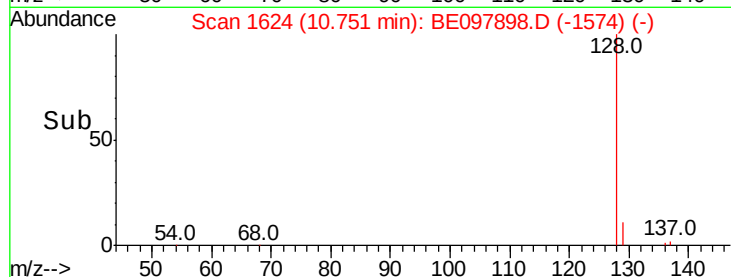
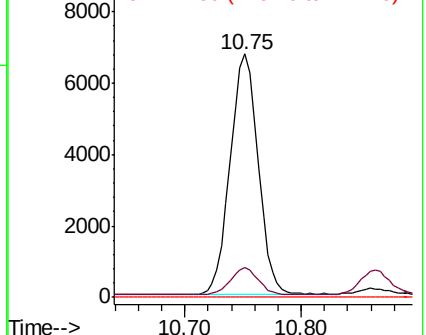
127 0.0 0.0 0.0



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: 0.434 ng/ul

RT: 12.37 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE097898.D

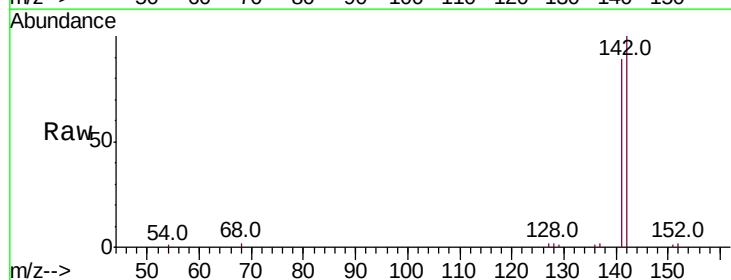
Acq: 13 Oct 2018 2:50

Tgt Ion:142 Resp: 8206

Ion Ratio Lower Upper

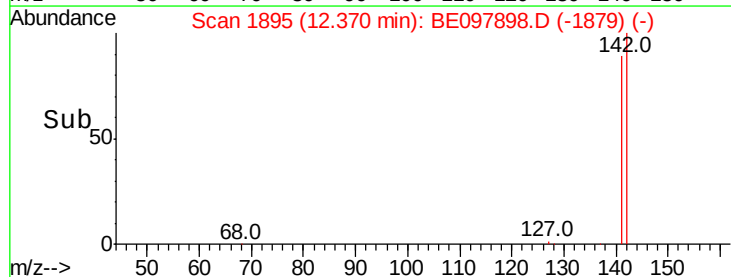
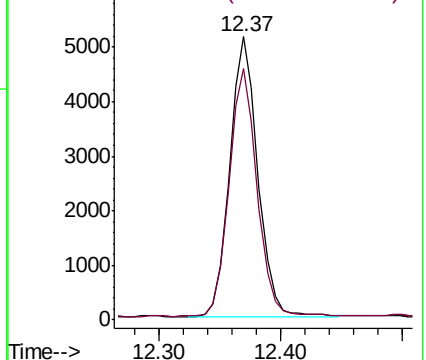
142 100

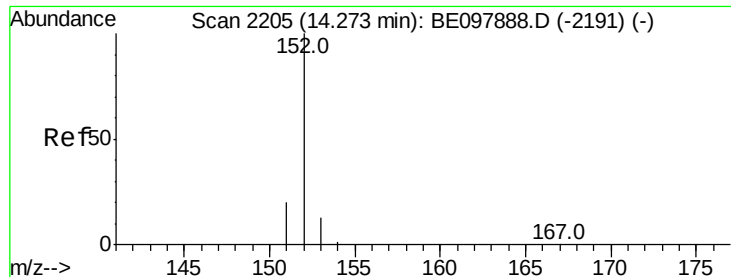
141 88.6 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.469 ng/ul

RT: 14.27 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

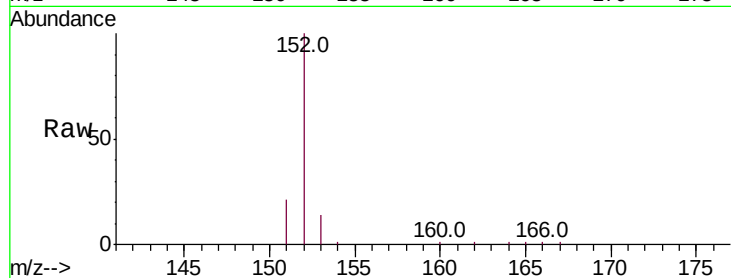
Tot Ion:152 Resp: 11751

Ion Ratio Lower Upper

152 100

151 20.6 15.0 22.6

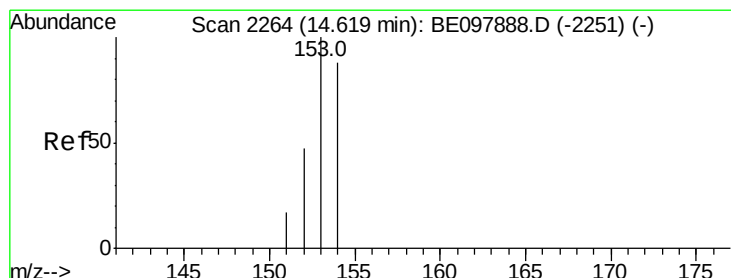
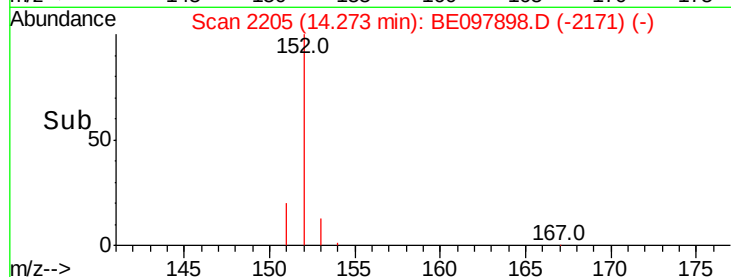
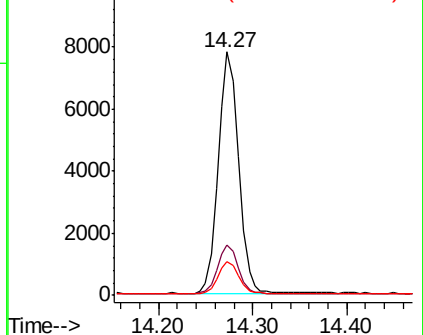
153 13.8 10.5 15.7



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: 0.445 ng/ul

RT: 14.62 min Scan# 2264

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

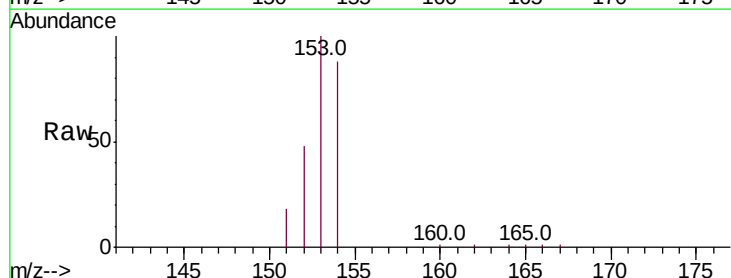
Tgt Ion:153 Resp: 8646

Ion Ratio Lower Upper

153 100

152 47.8 41.2 61.8

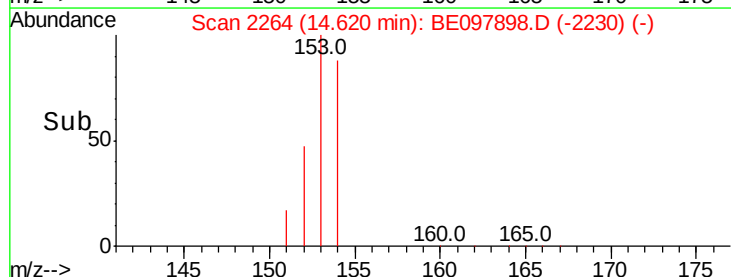
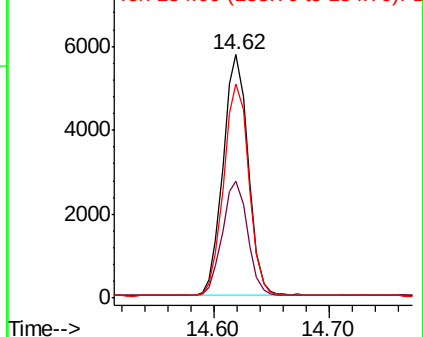
154 87.9 68.6 103.0

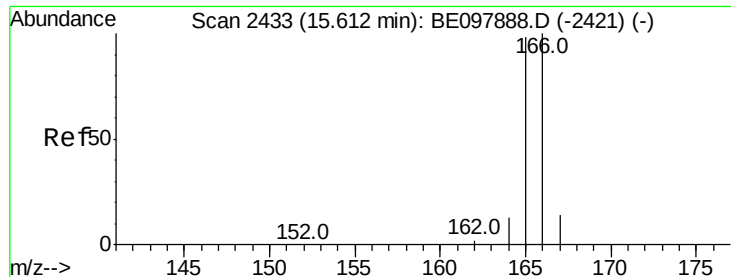


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.400 ng/ul

RT: 15.61 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

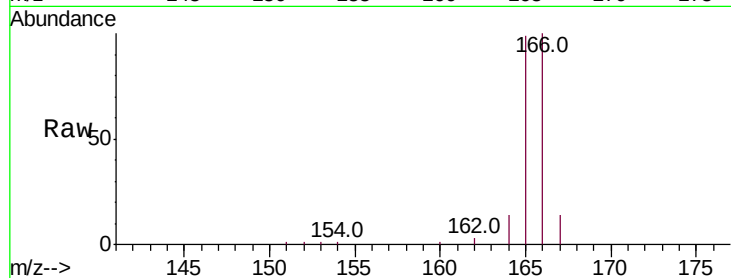
Tot Ion:166 Resp: 10147

Ion Ratio Lower Upper

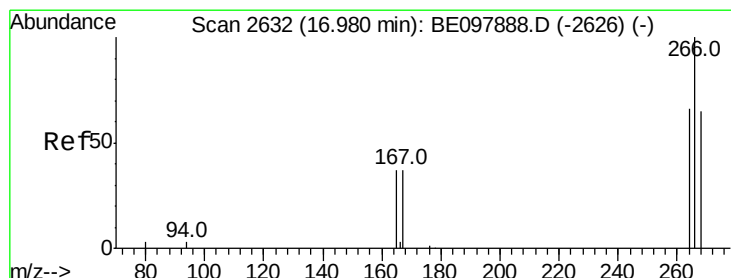
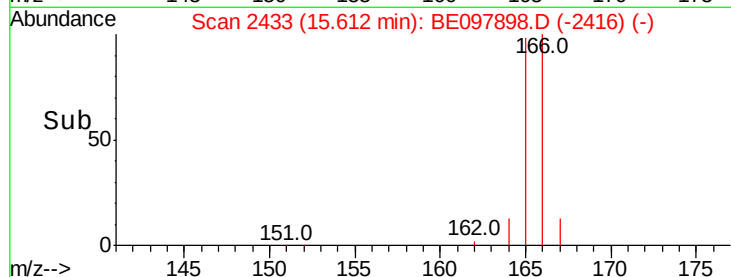
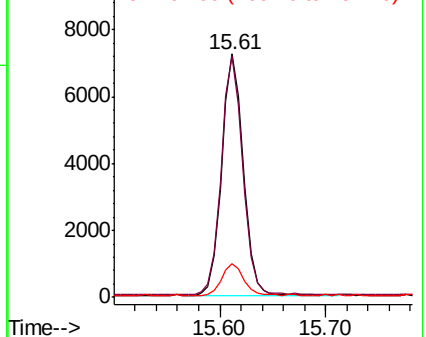
166 100

165 98.7 79.2 118.8

167 14.0 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.161 ng/ul

RT: 16.99 min Scan# 2633

Delta R.T. 0.01 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

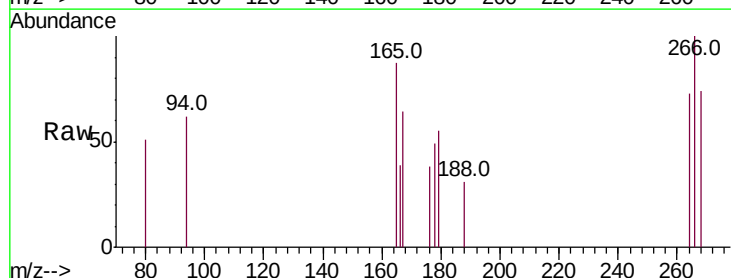
Tgt Ion:266 Resp: 345

Ion Ratio Lower Upper

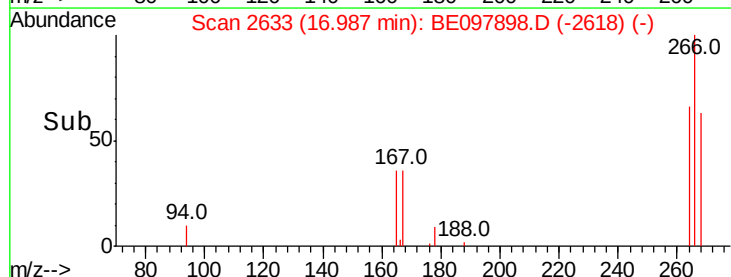
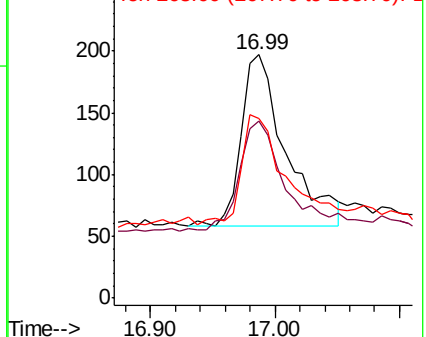
266 100

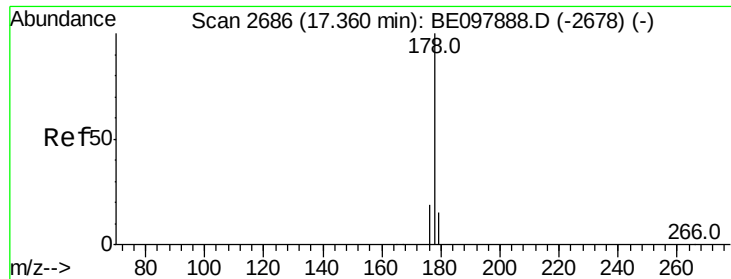
264 64.6 49.8 74.8

268 64.6 48.4 72.6



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.441 ng/ul

RT: 17.35 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampled :

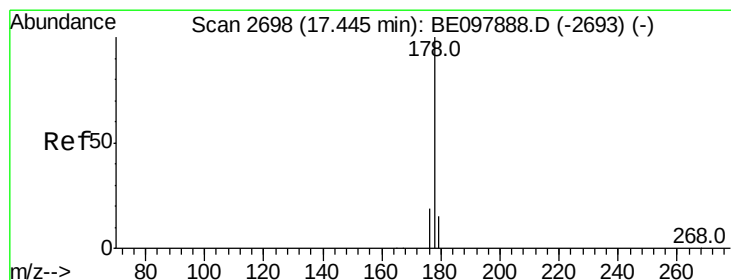
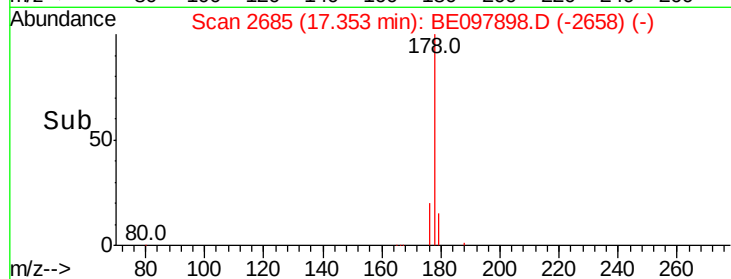
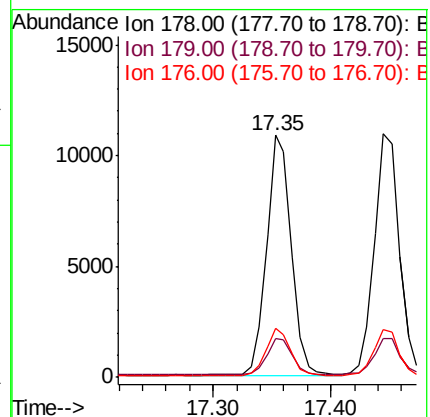
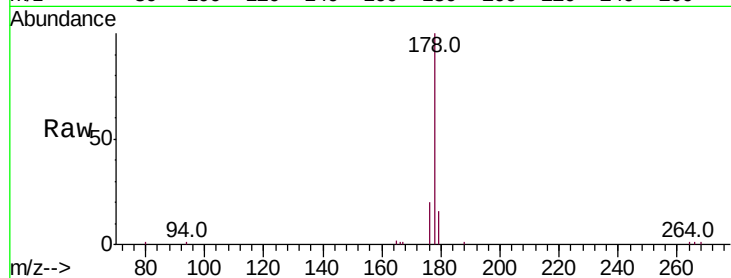
Tot Ion:178 Resp: 15901

Ion Ratio Lower Upper

178 100

179 16.1 12.8 19.2

176 20.5 14.9 22.3



#13

Anthracene

Concen: 0.481 ng/ul

RT: 17.44 min Scan# 2698

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

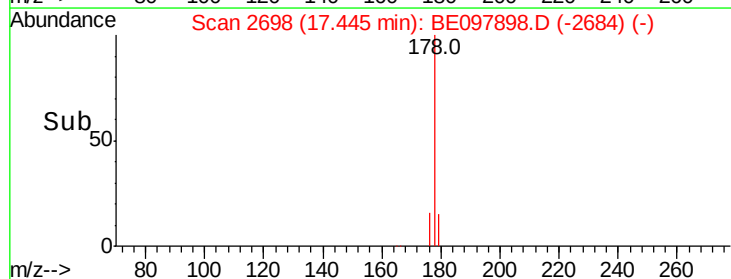
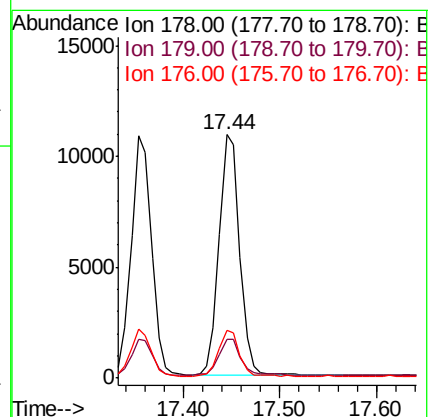
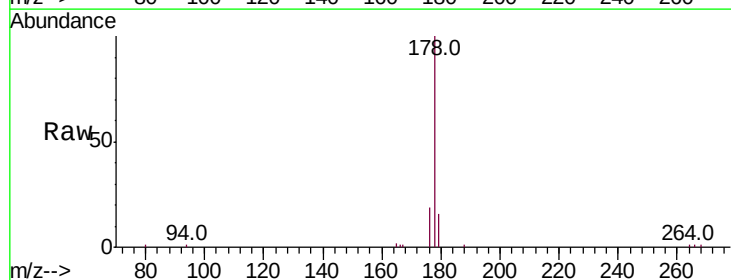
Tgt Ion:178 Resp: 16060

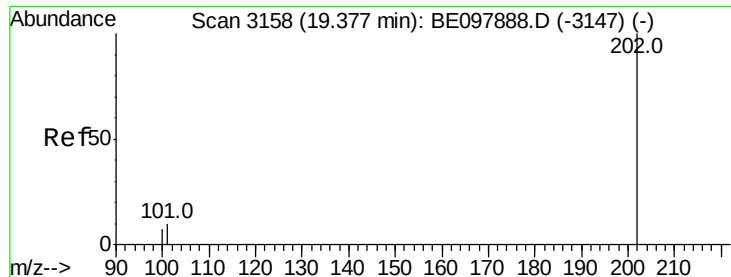
Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

176 19.5 15.5 23.3

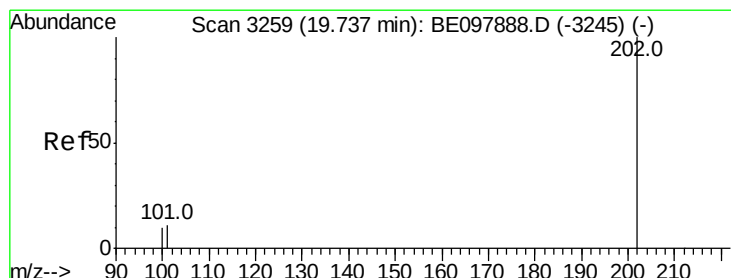
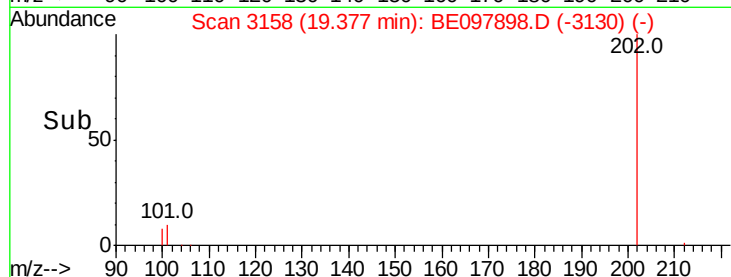
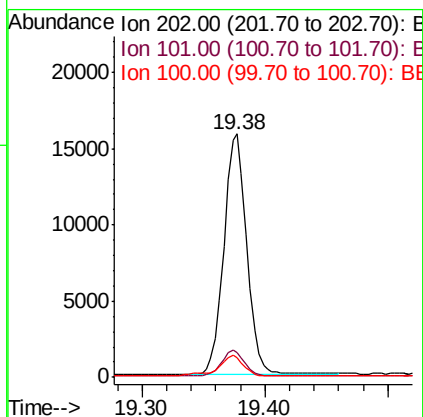
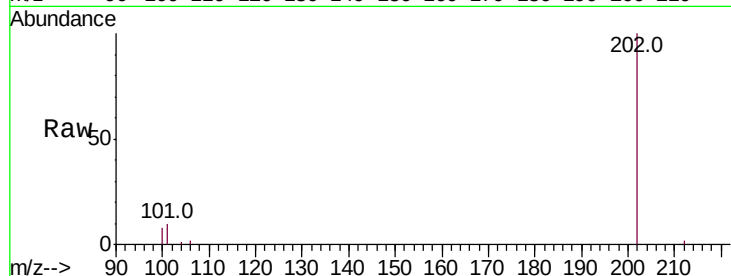




#15
 Fluoranthene
 Concen: 0.440 ng/ul
 RT: 19.38 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BE097898.D
 Acq: 13 Oct 2018 2:50

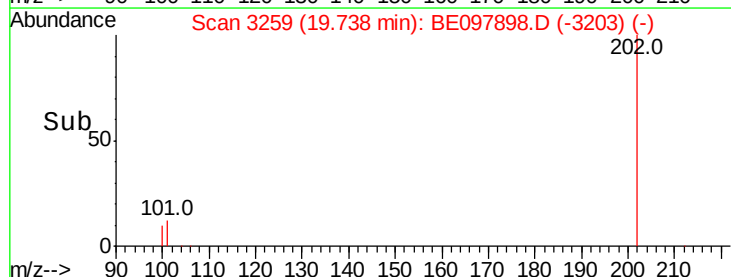
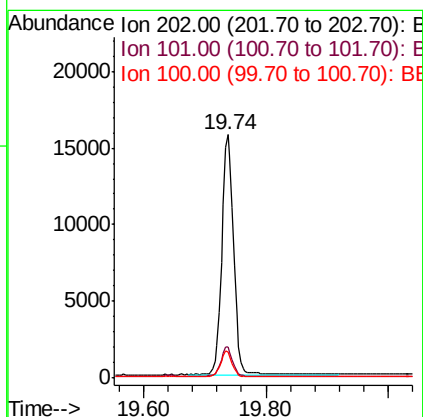
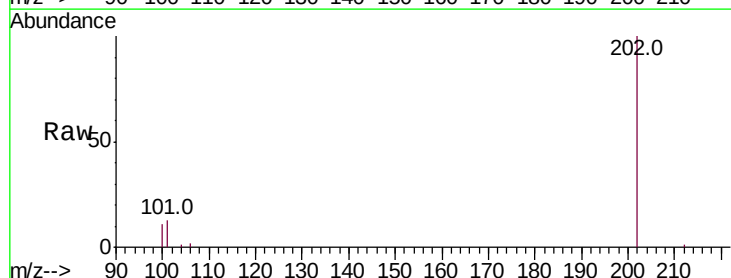
Instrument :
 BNA_E
 ClientSampleId :

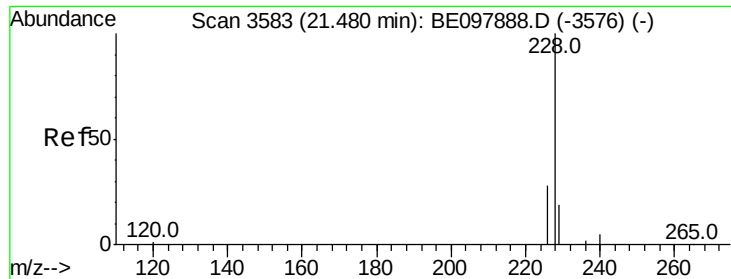
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.3
100	8.2	0.0	27.5



#17
 Pyrene
 Concen: 0.555 ng/ul
 RT: 19.74 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: BE097898.D
 Acq: 13 Oct 2018 2:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.8	13.2
100	10.8	7.9	11.9





#18

Benzo(a)anthracene

Concen: 0.444 ng/ul

RT: 21.48 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

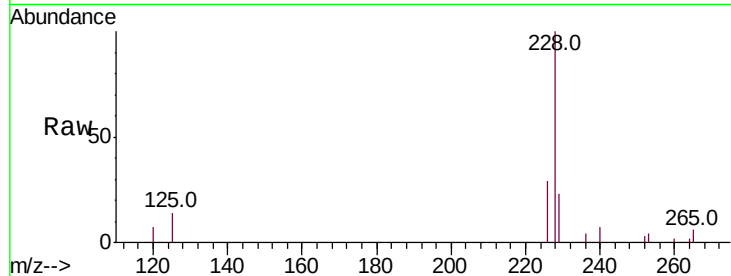
Tot Ion:228 Resp: 21765

Ion Ratio Lower Upper

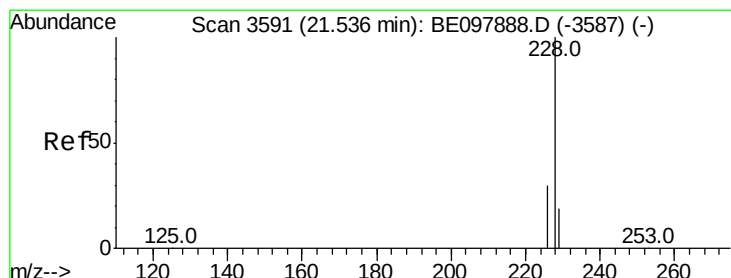
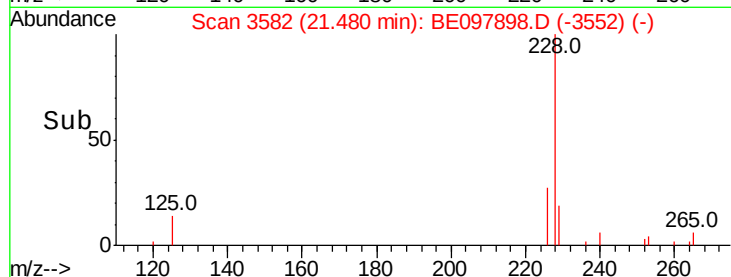
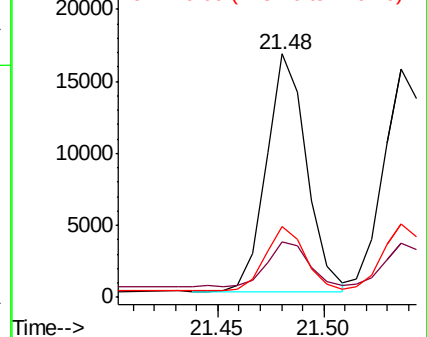
228 100

229 23.0 16.4 24.6

226 29.3 21.5 32.3



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: 0.495 ng/ul

RT: 21.48 min Scan# 3582

Delta R.T. -0.06 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

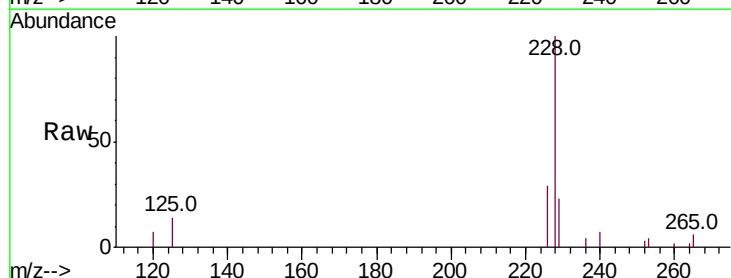
Tgt Ion:228 Resp: 21765

Ion Ratio Lower Upper

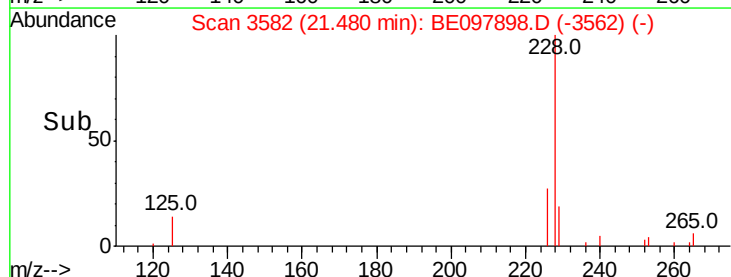
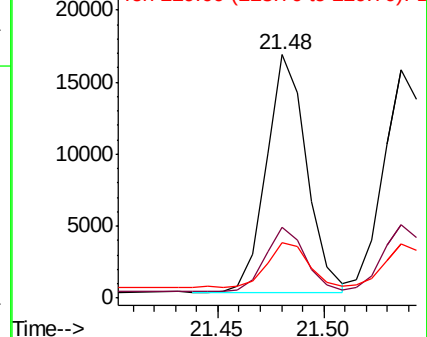
228 100

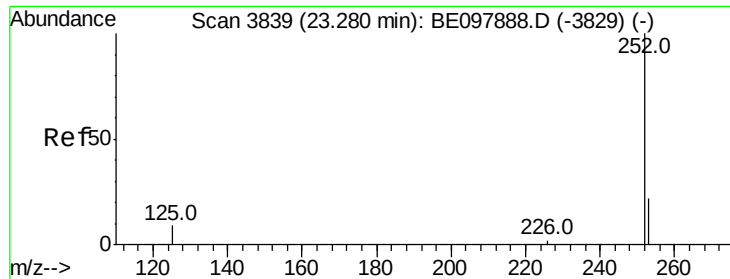
226 29.3 23.0 34.4

229 23.0 15.5 23.3



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: 0.489 ng/ul

RT: 23.28 min Scan# 3838

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

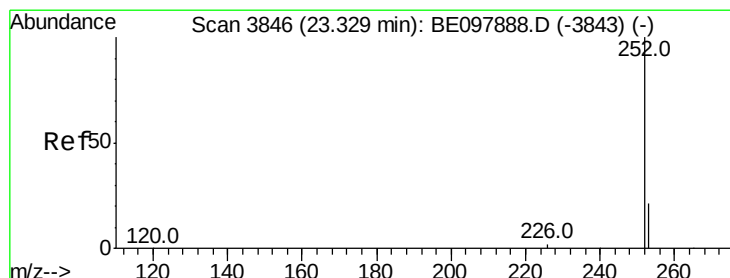
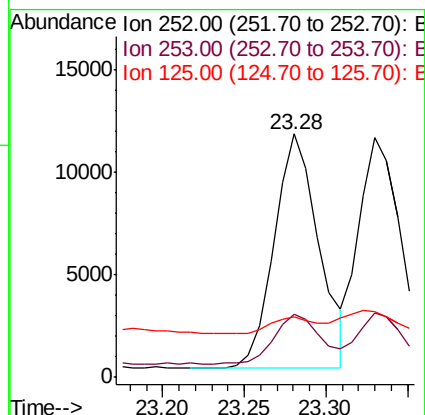
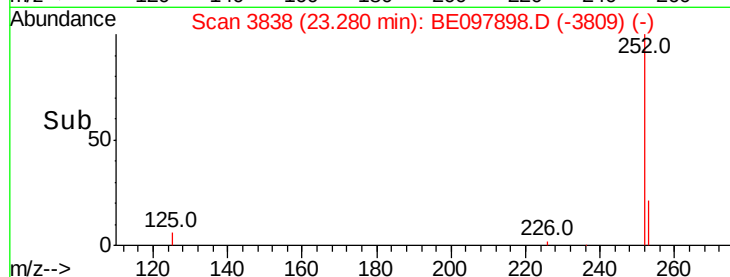
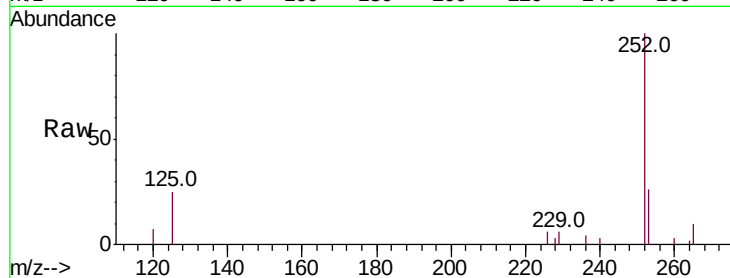
Tot Ion:252 Resp: 21485

Ion Ratio Lower Upper

252 100

253 26.0 0.0 47.0

125 25.1 0.0 18.2#



#22

Benzo(k)fluoranthene

Concen: 0.434 ng/ul

RT: 23.33 min Scan# 3845

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

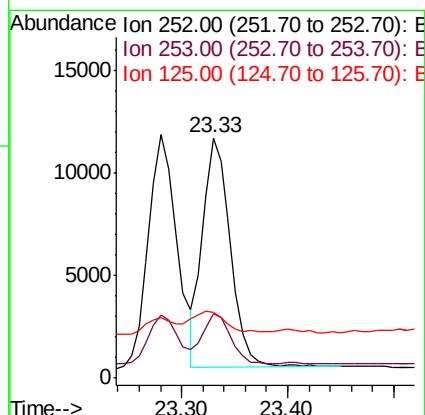
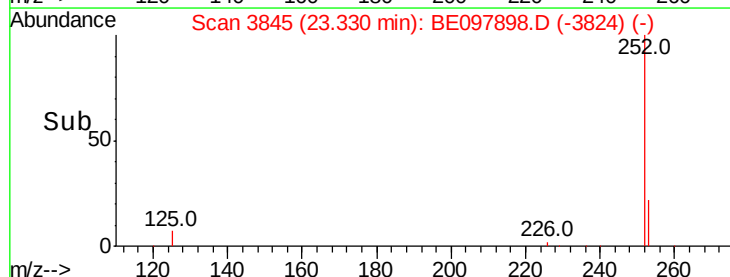
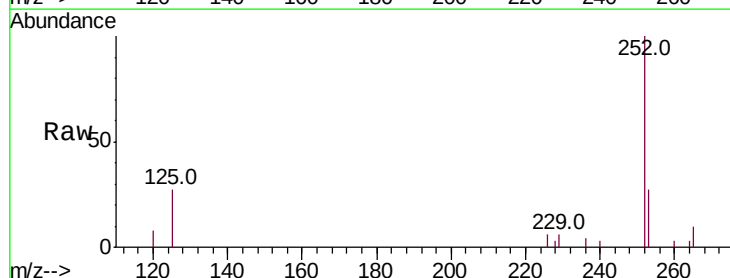
Tgt Ion:252 Resp: 20418

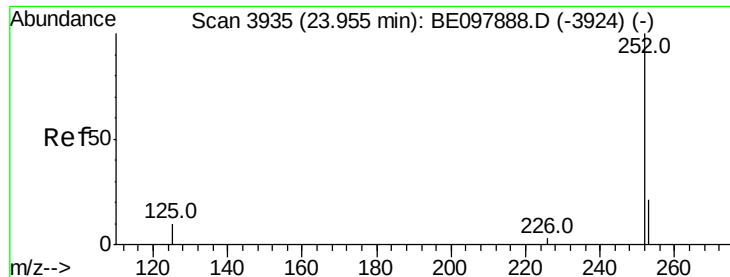
Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.6#

125 27.3 9.4 14.0#





#23

Benzo(a)pyrene

Concen: 0.473 ng/ul

RT: 23.96 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_E

ClientSampleId :

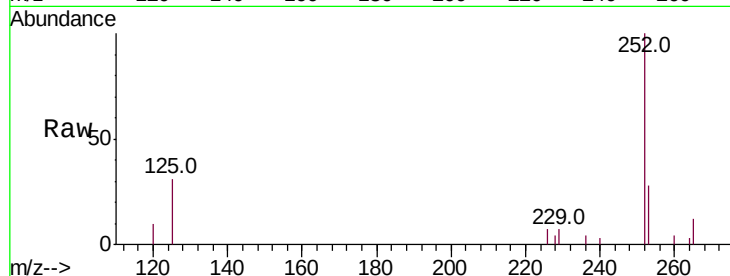
Tot Ion:252 Resp: 20414

Ion Ratio Lower Upper

252 100

253 27.8 18.2 27.4#

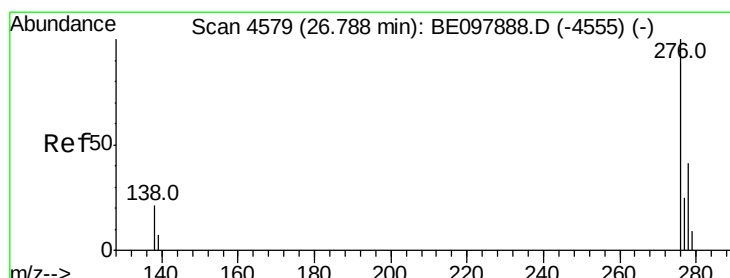
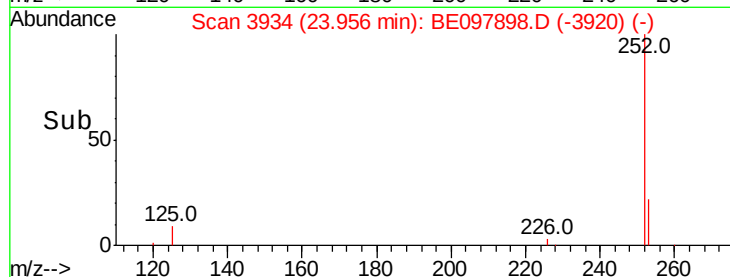
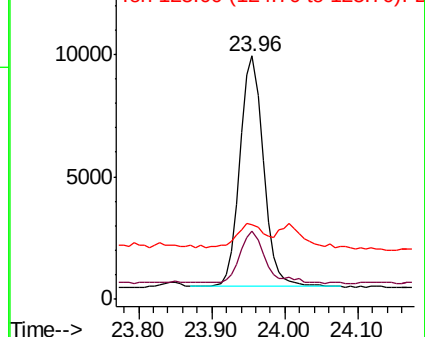
125 30.7 8.3 12.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.465 ng/ul

RT: 26.79 min Scan# 4580

Delta R.T. 0.01 min

Lab File: BE097898.D

Acq: 13 Oct 2018 2:50

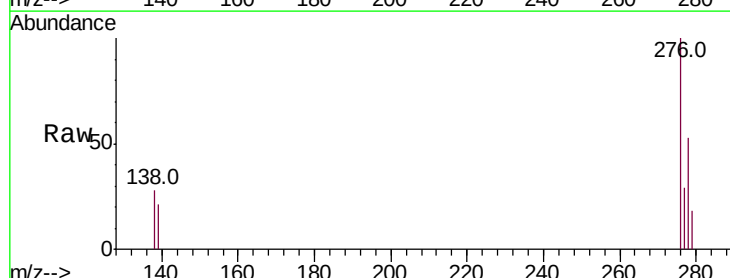
Tgt Ion:276 Resp: 22767

Ion Ratio Lower Upper

276 100

138 23.2 0.0 0.0#

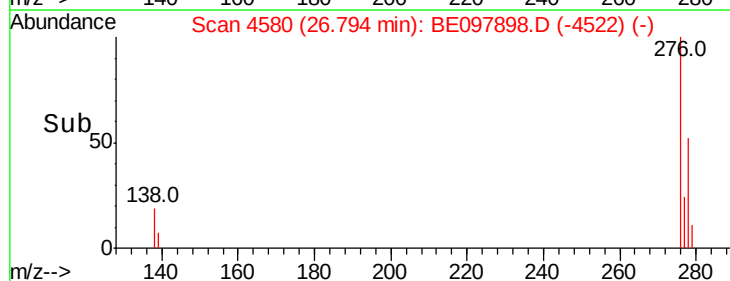
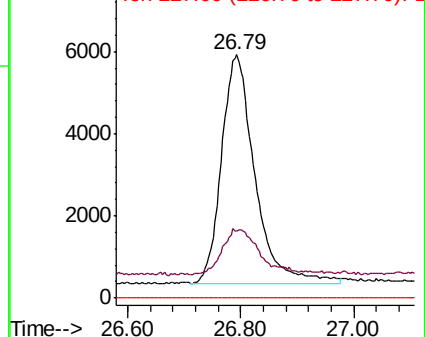
227 0.0 0.0 0.0

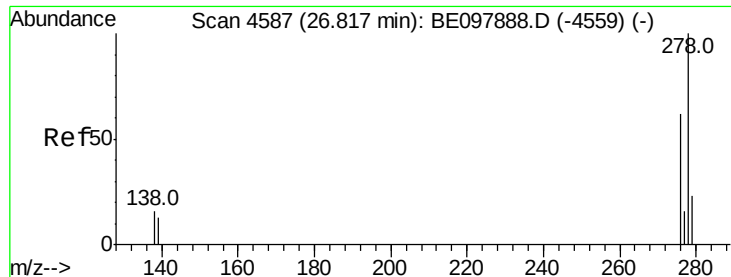


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

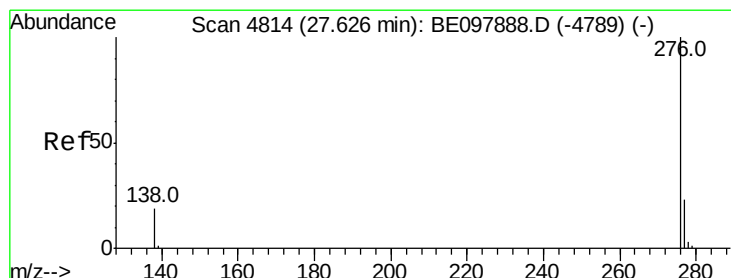
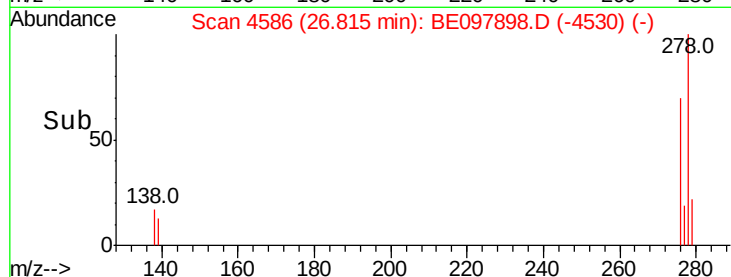
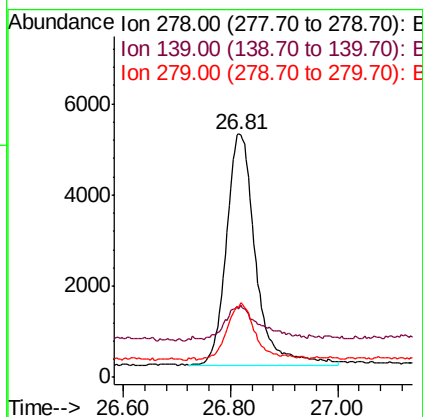
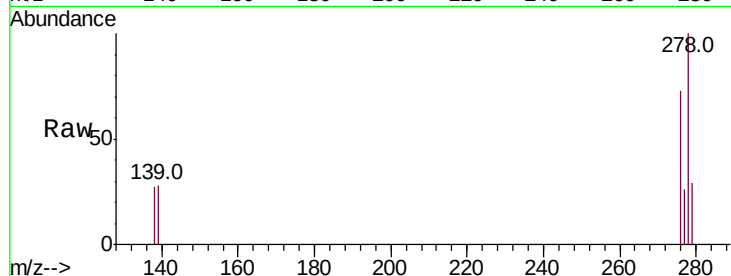




#25
Dibenzo(a,h)anthracene
Concen: 0.477 ng/ul
RT: 26.81 min Scan# 4586
Delta R.T. -0.00 min
Lab File: BE097898.D
Acq: 13 Oct 2018 2:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 19307
Ion Ratio Lower Upper
278 100
139 27.9 10.9 16.3#
279 28.8 18.8 28.2#



#26
Benzo(g,h,i)perylene
Concen: 0.425 ng/ul
RT: 27.62 min Scan# 4813
Delta R.T. -0.00 min
Lab File: BE097898.D
Acq: 13 Oct 2018 2:50

Tgt Ion:276 Resp: 18146
Ion Ratio Lower Upper
276 100
138 30.4 14.3 21.5#
277 31.1 19.5 29.3#

