

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101218\
 Data File : BE097892.D
 Acq On : 12 Oct 2018 23:06
 Operator : SJ/JU
 Sample : J5183-18DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 13 03:01:14 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

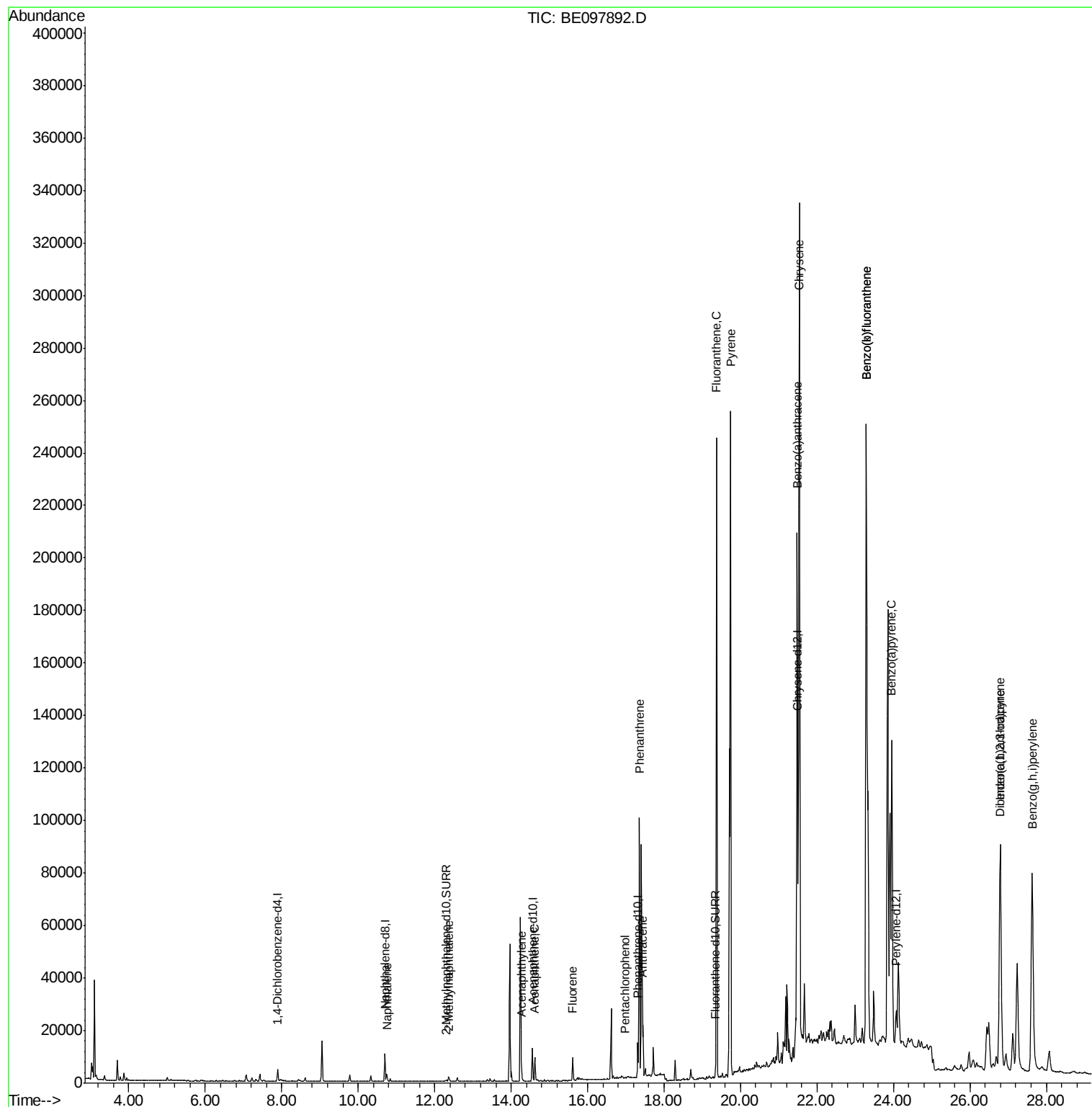
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2136	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10829	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	7108	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	16567	0.40	ng/ul	0.00
16) Chrysene-d12	21.50	240	17064	0.40	ng/ul	0.00
20) Perylene-d12	24.07	264	17918	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	634	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	1803	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	4181	0.159	ng/ul#	93
5) 2-Methylnaphthalene	12.37	142	1576	0.083	ng/ul	99
7) Acenaphthylene	14.27	152	2841	0.106	ng/ul#	85
8) Acenaphthene	14.62	153	5345	0.256	ng/ul	98
9) Fluorene	15.61	166	5541	0.203	ng/ul	98
11) Pentachlorophenol	16.99	266	190	0.081	ng/ul#	85
12) Phenanthrene	17.35	178	108113	2.757	ng/ul	98
13) Anthracene	17.44	178	22235	0.612	ng/ul	99
15) Fluoranthene	19.37	202	278122	5.522	ng/ul	97
17) Pyrene	19.74	202	285971	5.626	ng/ul	98
18) Benzo(a)anthracene	21.48	228	236500	4.584	ng/ul	97
19) Chrysene	21.54	228	371100	8.005	ng/ul	96
21) Benzo(b)fluoranthene	23.29	252	536576	11.205	ng/ul	98
22) Benzo(k)fluoranthene	23.29	252	536576	10.468	ng/ul	98
23) Benzo(a)pyrene	23.95	252	181882	3.868	ng/ul#	97
24) Indeno(1,2,3-cd)pyrene	26.79	276	172941	3.240	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.81	278	46036	1.044	ng/ul#	85
26) Benzo(g,h,i)perylene	27.63	276	205473	4.418	ng/ul	98

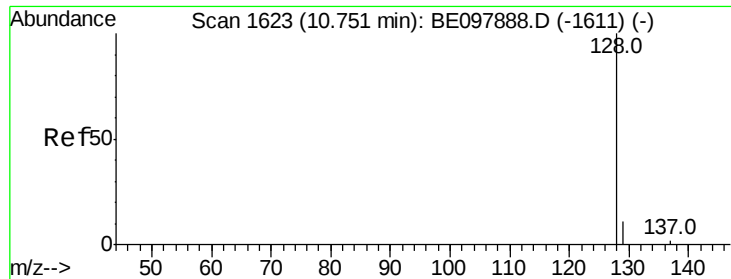
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.159 ng/ul

RT: 10.75 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

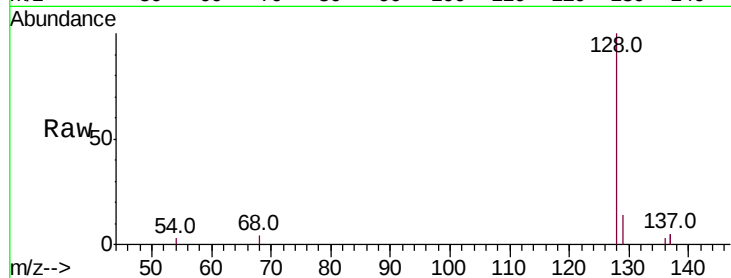
Tot Ion:128 Resp: 4181

Ion Ratio Lower Upper

128 100

129 14.0 9.1 13.7#

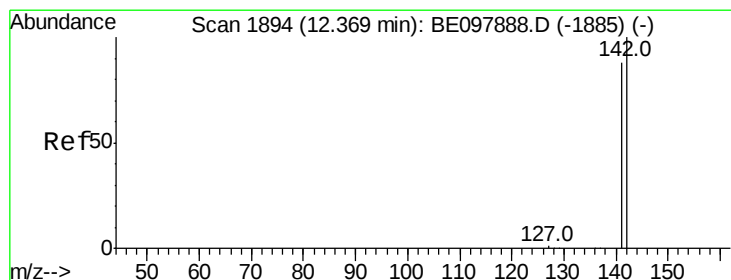
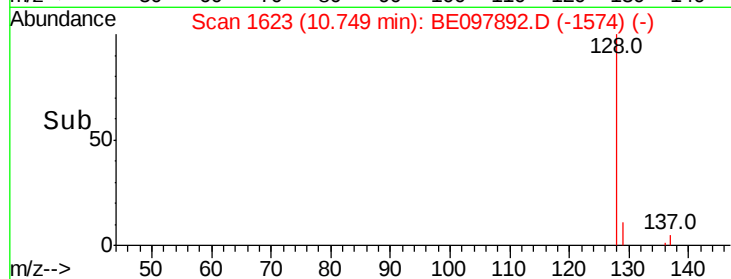
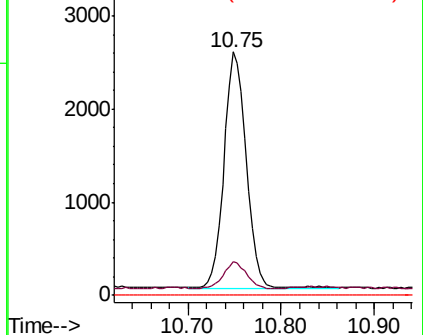
127 0.0 0.0 0.0



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: 0.083 ng/ul

RT: 12.37 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BE097892.D

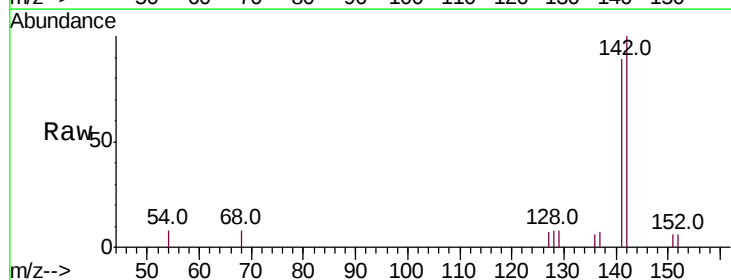
Acq: 12 Oct 2018 23:06

Tgt Ion:142 Resp: 1576

Ion Ratio Lower Upper

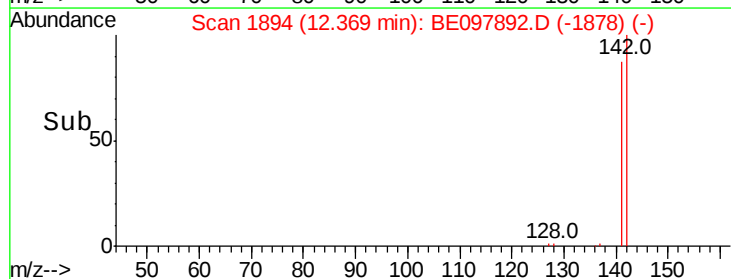
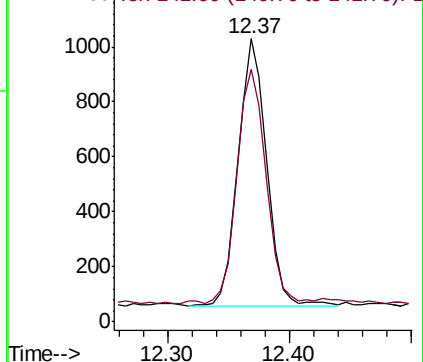
142 100

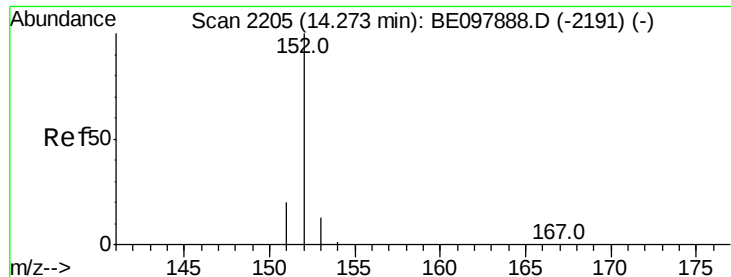
141 90.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.106 ng/ul

RT: 14.27 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

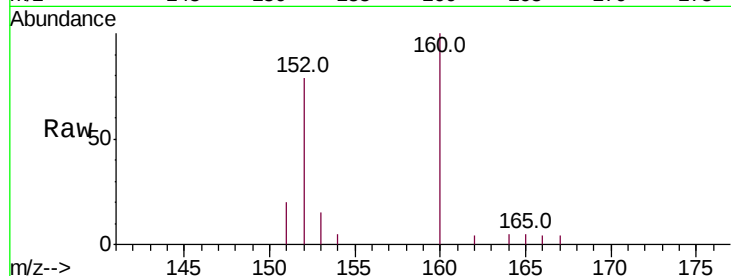
Tot Ion:152 Resp: 2841

Ion Ratio Lower Upper

152 100

151 25.2 15.0 22.6#

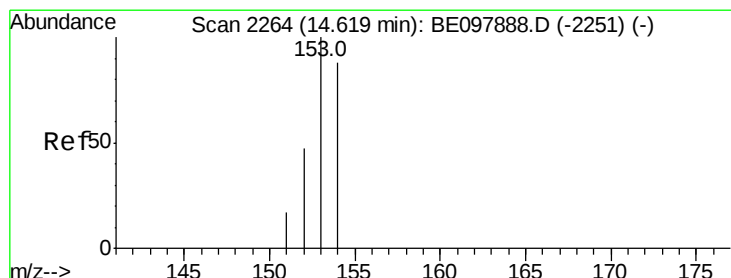
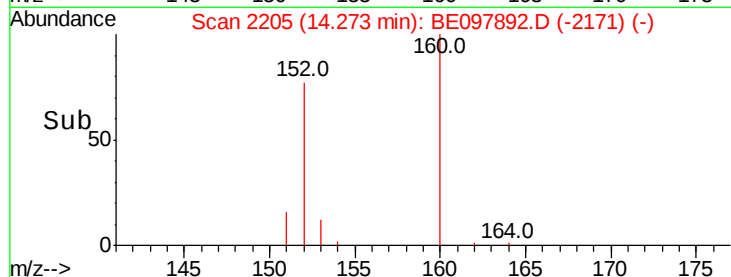
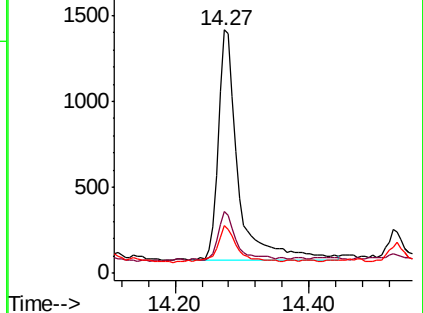
153 19.3 10.5 15.7#



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: 0.256 ng/ul

RT: 14.62 min Scan# 2264

Delta R.T. 0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

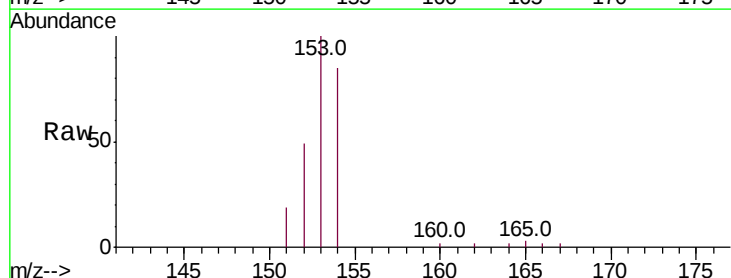
Tgt Ion:153 Resp: 5345

Ion Ratio Lower Upper

153 100

152 49.1 41.2 61.8

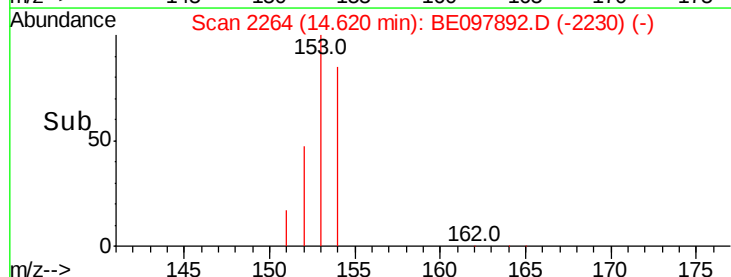
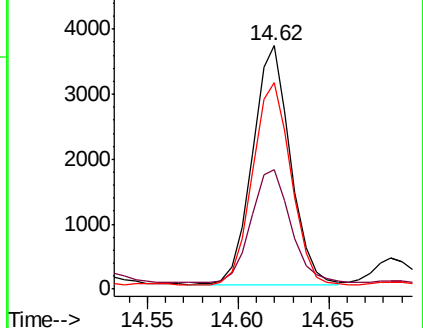
154 84.9 68.6 103.0

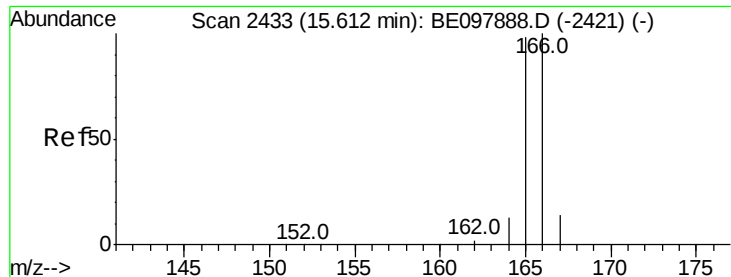


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

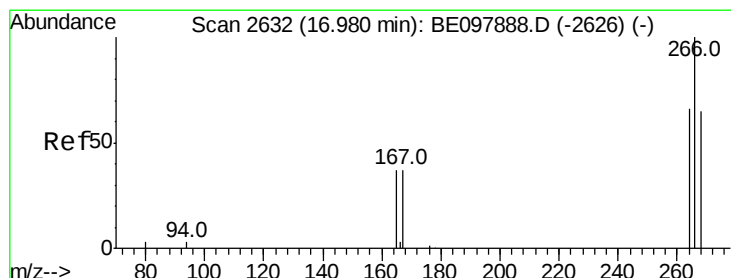
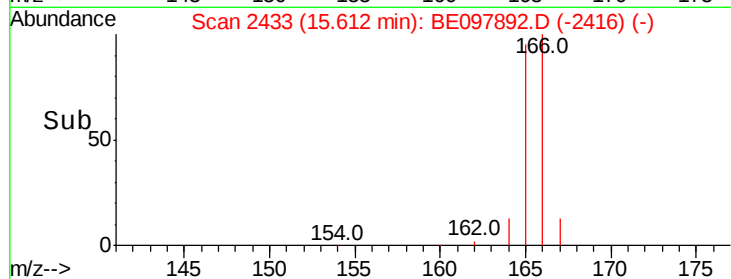
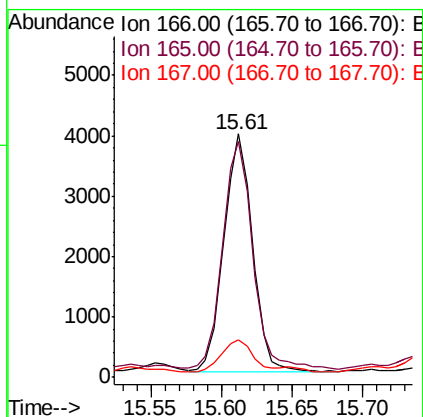
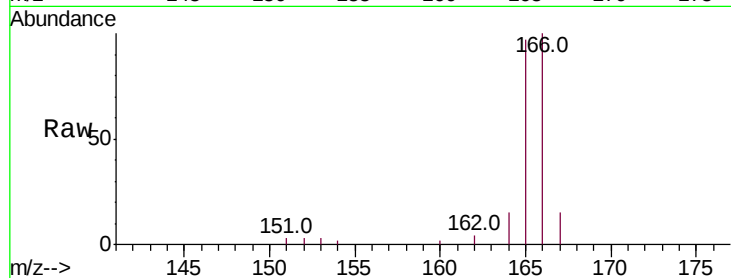




#9
Fluorene
 Concen: 0.203 ng/ul
 RT: 15.61 min Scan# 2433
 Delta R.T. 0.00 min
 Lab File: BE097892.D
 Acq: 12 Oct 2018 23:06

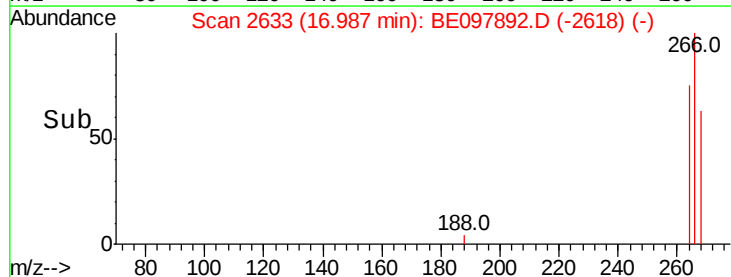
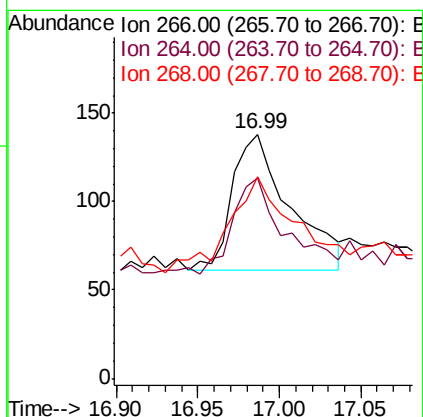
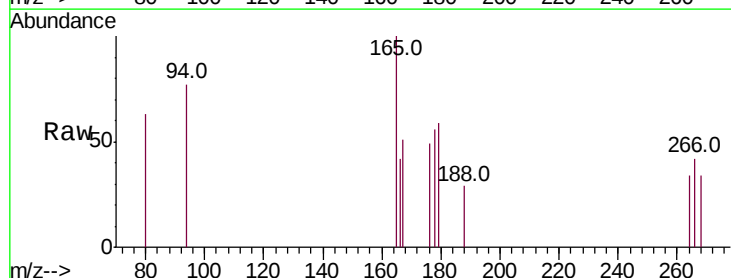
Instrument :
 BNA_E
 ClientSampleId :

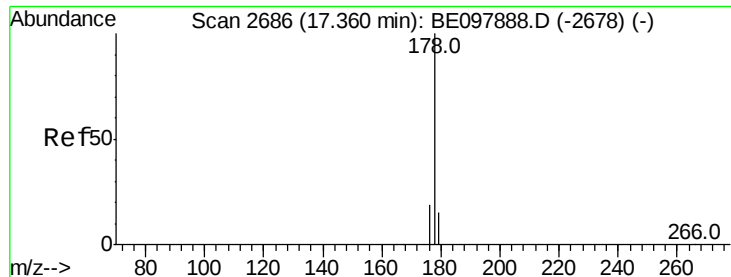
Tot Ion:166 Resp: 5541
 Ion Ratio Lower Upper
 166 100
 165 96.9 79.2 118.8
 167 15.2 11.3 16.9



#11
Pentachlorophenol
 Concen: 0.081 ng/ul
 RT: 16.99 min Scan# 2633
 Delta R.T. 0.01 min
 Lab File: BE097892.D
 Acq: 12 Oct 2018 23:06

Tgt Ion:266 Resp: 190
 Ion Ratio Lower Upper
 266 100
 264 62.6 49.8 74.8
 268 82.6 48.4 72.6#





#12

Phenanthrene

Concen: 2.757 ng/ul

RT: 17.35 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

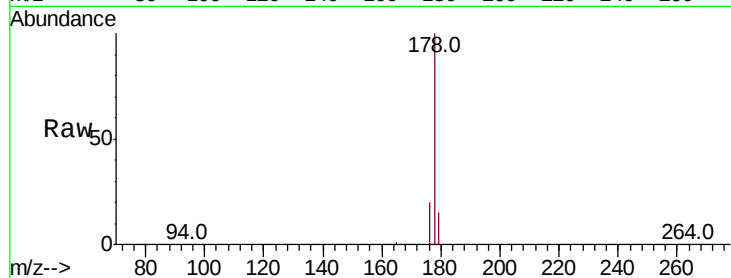
Tot Ion:178 Resp: 108113

Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

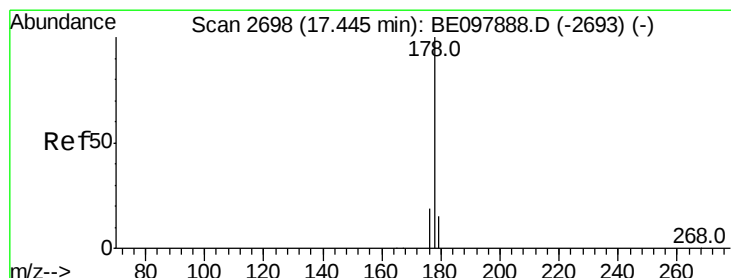
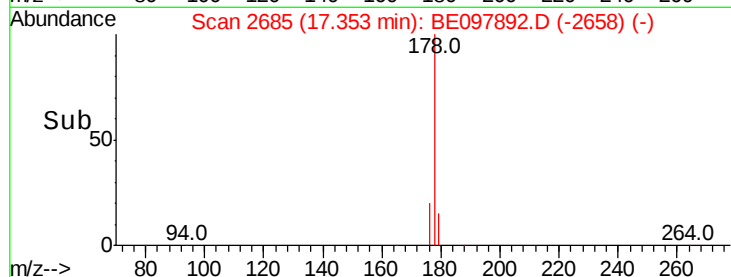
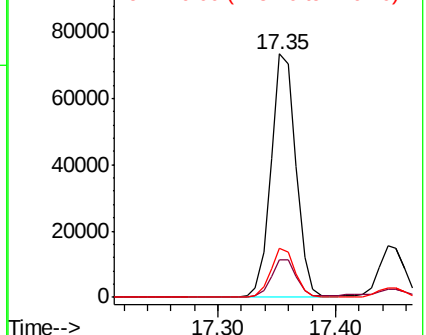
176 20.0 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.612 ng/ul

RT: 17.44 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

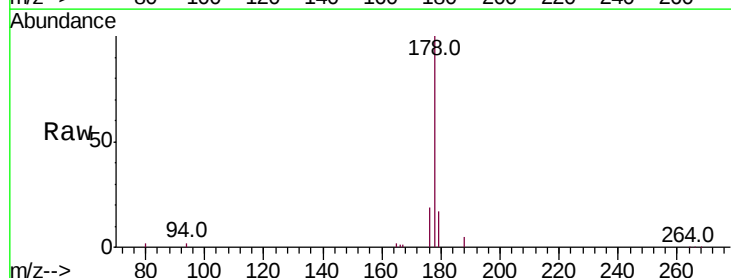
Tgt Ion:178 Resp: 22235

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

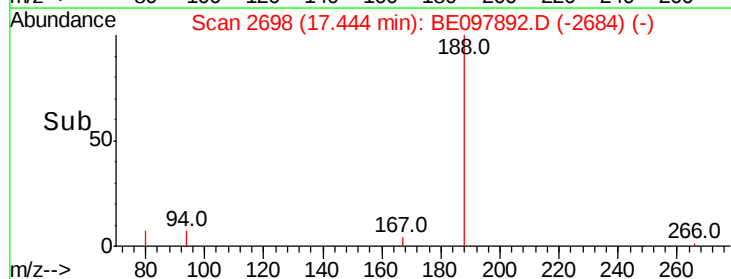
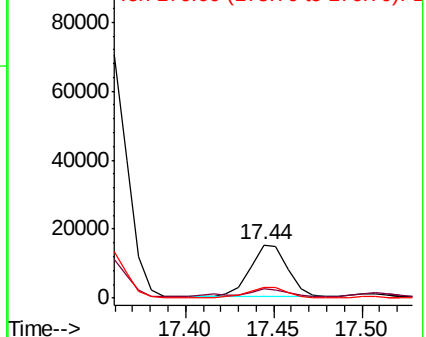
176 19.3 15.5 23.3

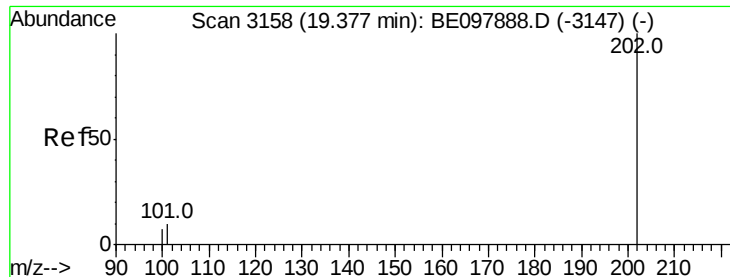


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 5.522 ng/ul

RT: 19.37 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

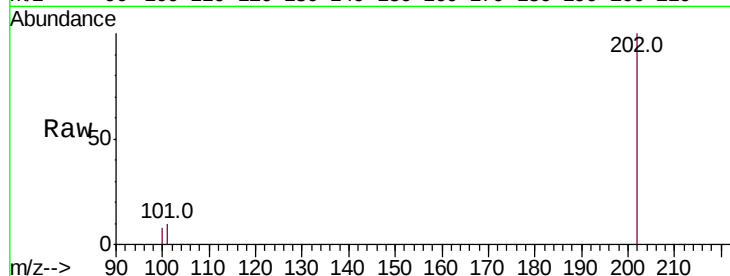
Tot Ion:202 Resp: 278122

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.3

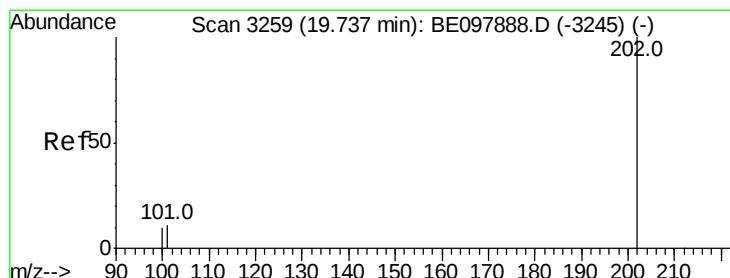
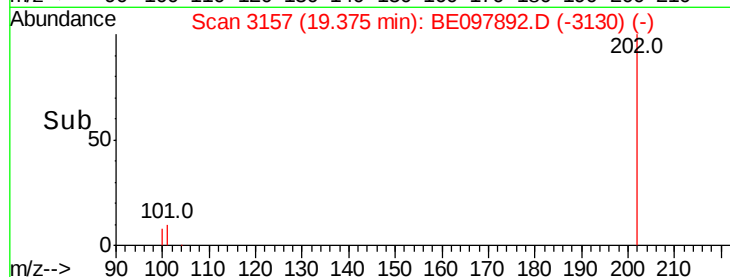
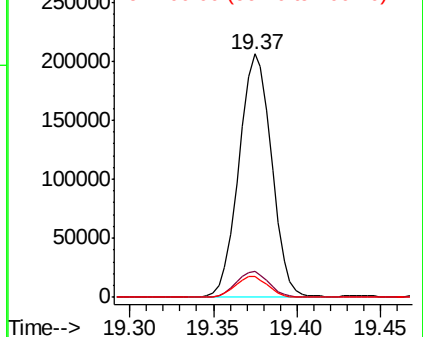
100 8.4 0.0 27.5



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: 5.626 ng/ul

RT: 19.74 min Scan# 3259

Delta R.T. 0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

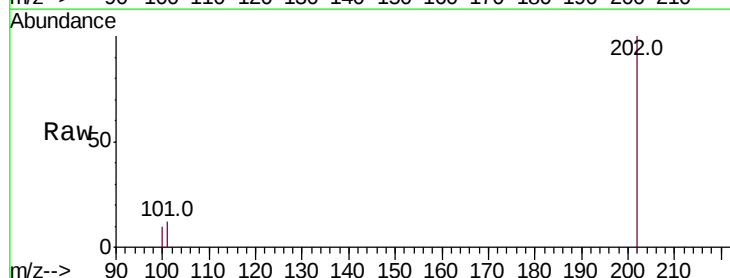
Tgt Ion:202 Resp: 285971

Ion Ratio Lower Upper

202 100

101 11.9 8.8 13.2

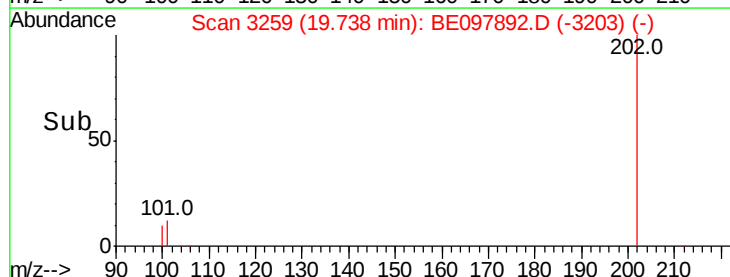
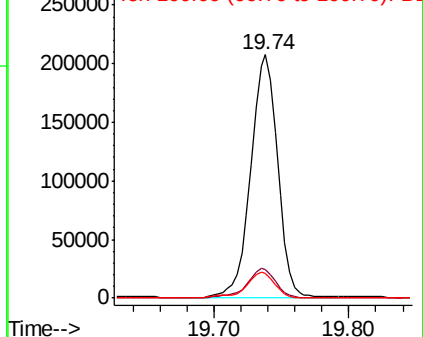
100 10.2 7.9 11.9

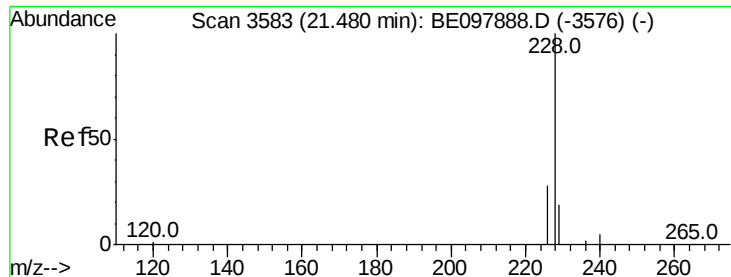


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 4.584 ng/ul

RT: 21.48 min Scan# 3582

Delta R.T. -0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

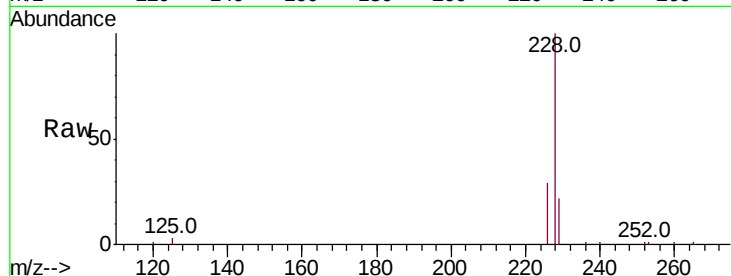
Tot Ion:228 Resp: 236500

Ion Ratio Lower Upper

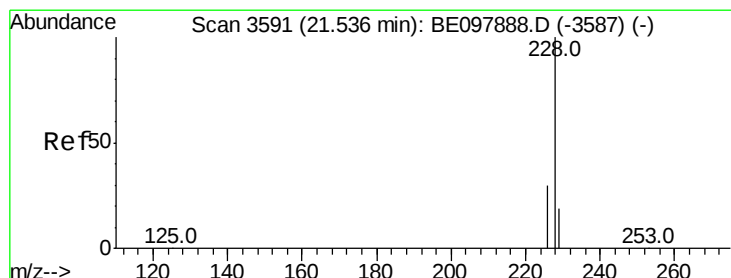
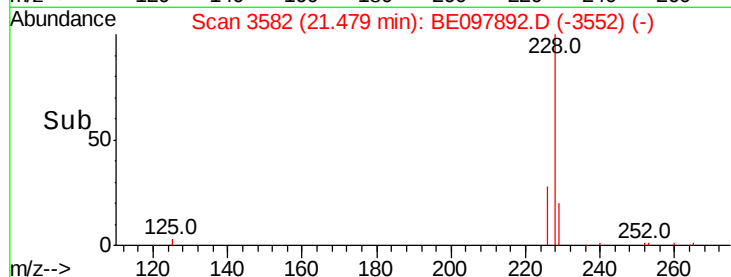
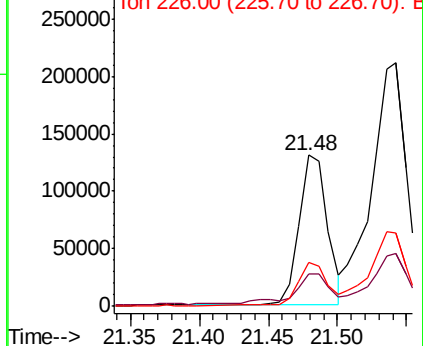
228 100

229 21.8 16.4 24.6

226 28.7 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: 8.005 ng/ul

RT: 21.54 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

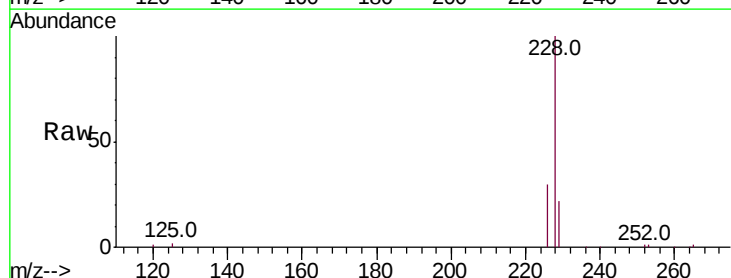
Tgt Ion:228 Resp: 371100

Ion Ratio Lower Upper

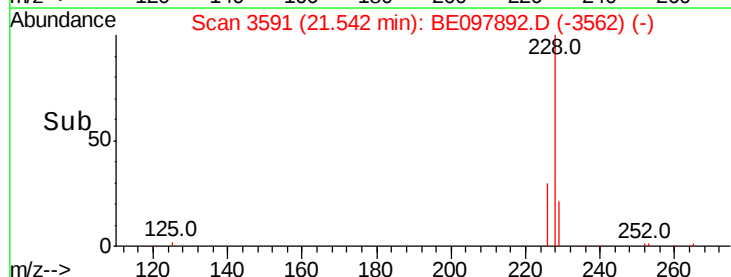
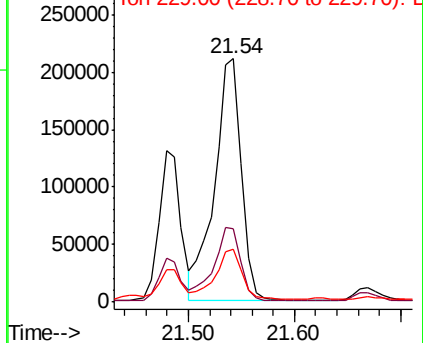
228 100

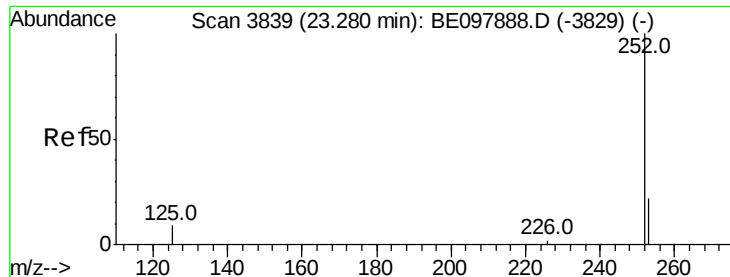
226 30.2 23.0 34.4

229 21.6 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: 11.205 ng/ul

RT: 23.29 min Scan# 3839

Delta R.T. 0.01 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

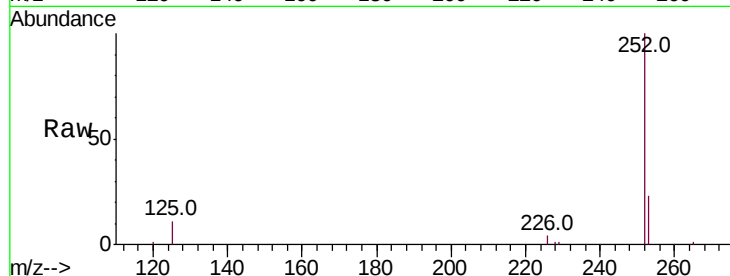
Tot Ion:252 Resp: 536576

Ion Ratio Lower Upper

252 100

253 23.0 0.0 47.0

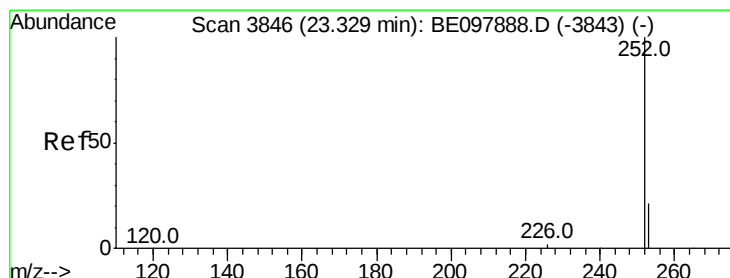
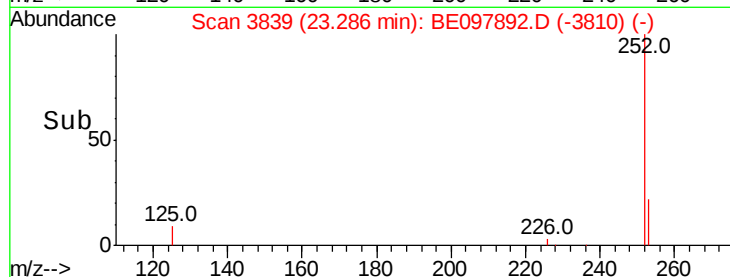
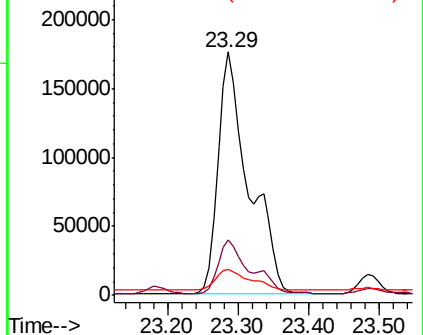
125 10.9 0.0 18.2



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: 10.468 ng/ul

RT: 23.29 min Scan# 3839

Delta R.T. -0.04 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

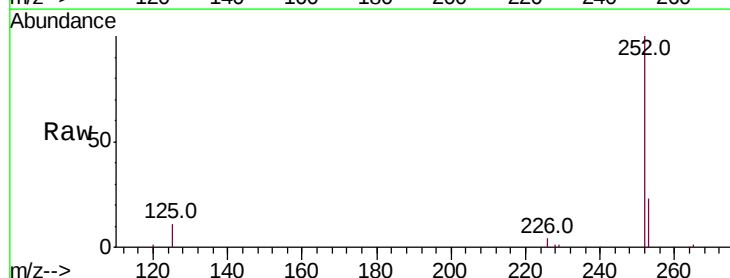
Tgt Ion:252 Resp: 536576

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

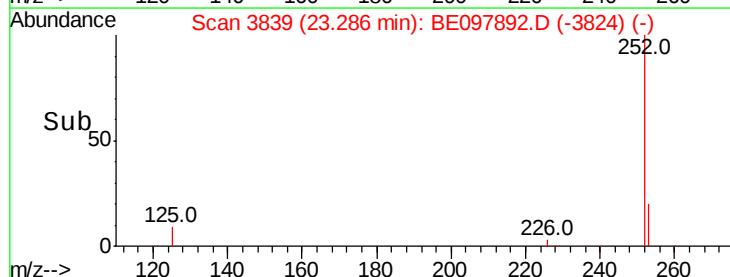
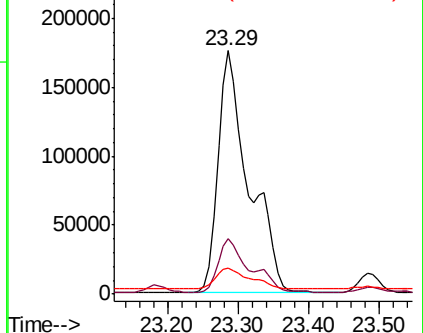
125 10.9 9.4 14.0

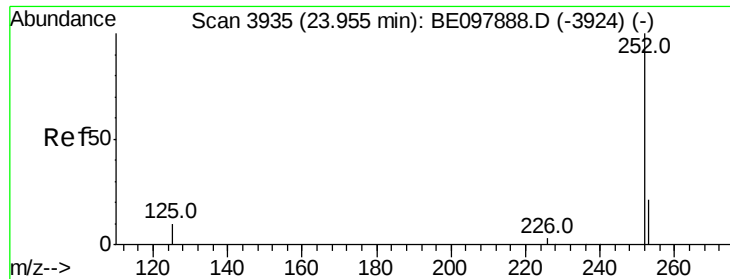


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.868 ng/ul

RT: 23.95 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

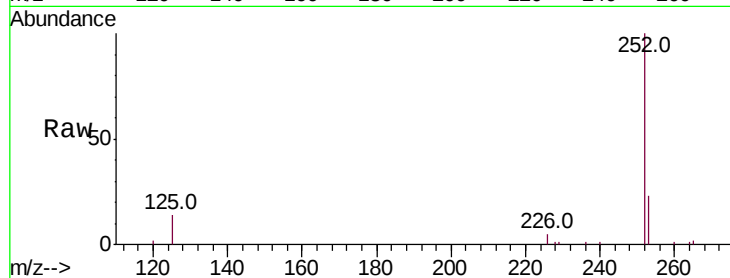
Tot Ion:252 Resp: 181882

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

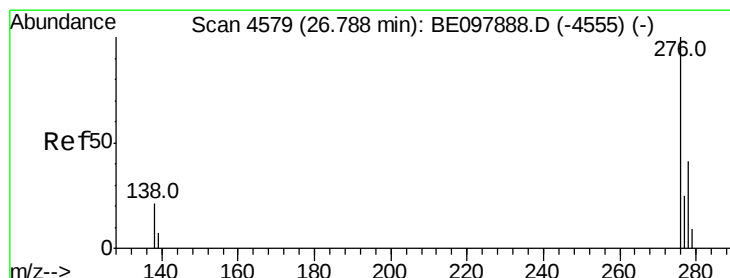
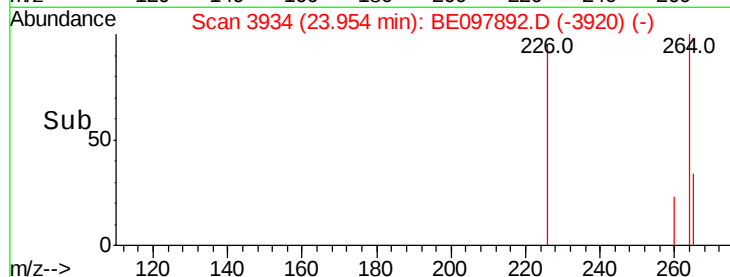
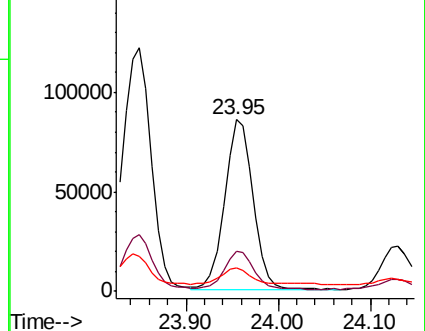
125 13.5 8.3 12.5#



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: 3.240 ng/ul

RT: 26.79 min Scan# 4579

Delta R.T. 0.00 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

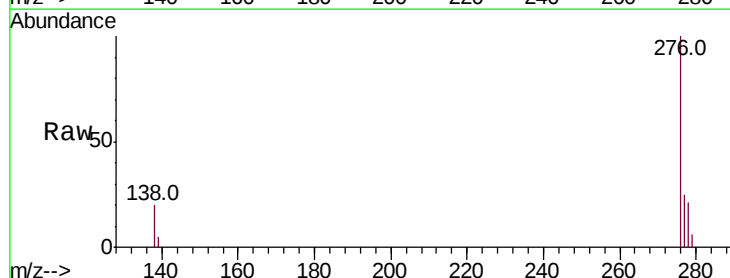
Tgt Ion:276 Resp: 172941

Ion Ratio Lower Upper

276 100

138 18.2 0.0 0.0#

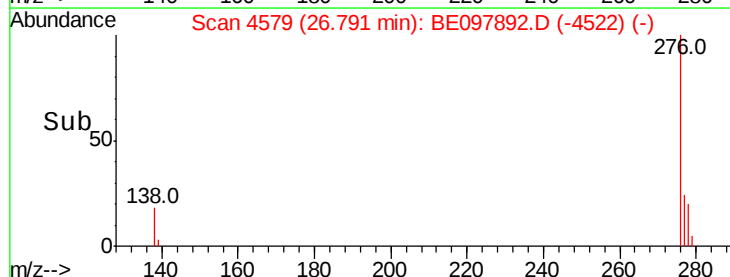
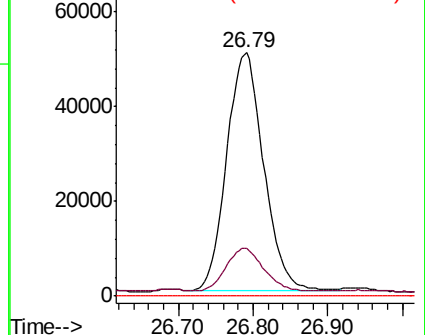
227 0.0 0.0 0.0

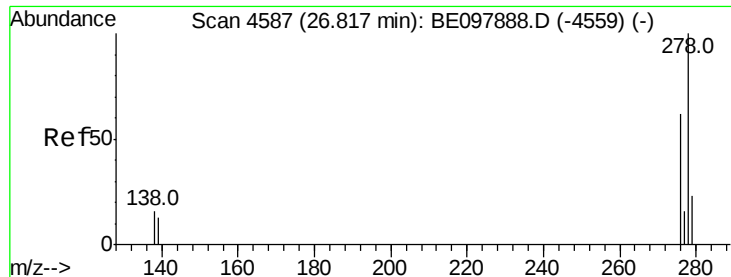


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.044 ng/ul

RT: 26.81 min Scan# 4583

Delta R.T. -0.01 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

Instrument :

BNA_E

ClientSampleId :

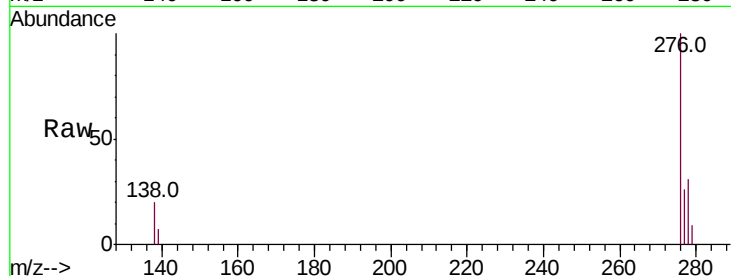
Tot Ion:278 Resp: 46036

Ion Ratio Lower Upper

278 100

139 23.0 10.9 16.3#

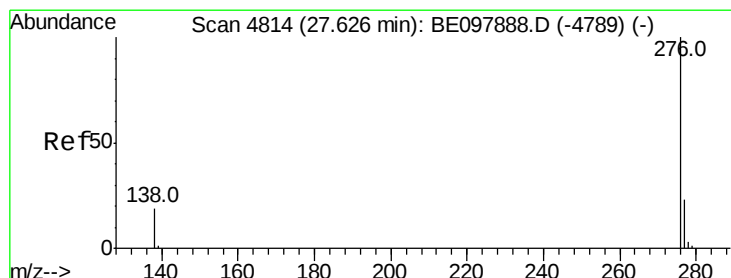
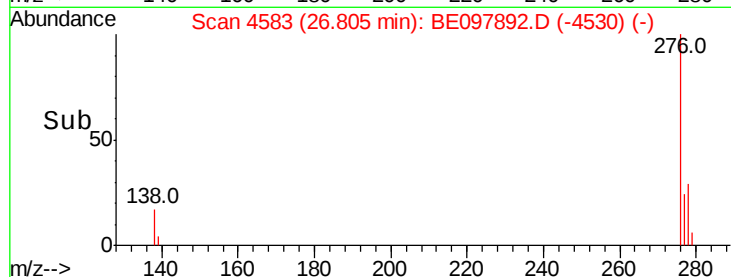
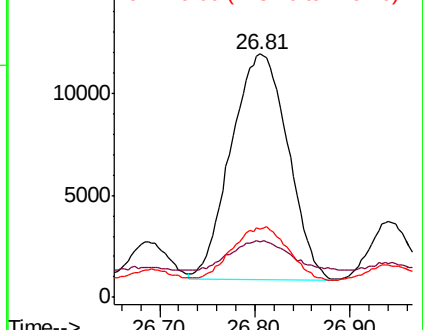
279 28.2 18.8 28.2



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: 4.418 ng/ul

RT: 27.63 min Scan# 4815

Delta R.T. 0.01 min

Lab File: BE097892.D

Acq: 12 Oct 2018 23:06

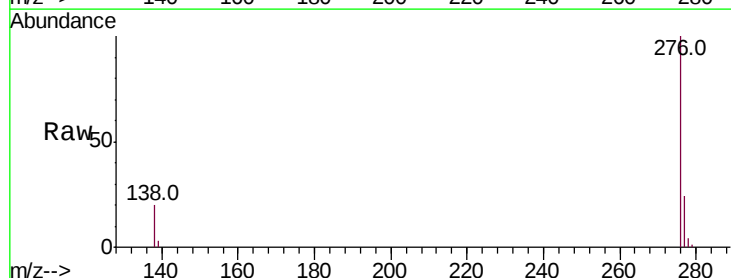
Tgt Ion:276 Resp: 205473

Ion Ratio Lower Upper

276 100

138 19.7 14.3 21.5

277 24.4 19.5 29.3



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

