

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101118\
 Data File : BE097854.D
 Acq On : 11 Oct 2018 12:51
 Operator : SJ/JU
 Sample : SSTD1.648
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 13:29:39 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 : Thu Oct 11 12:14:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2284	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10792	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	7723	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	23459	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	29076	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	27589	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	30075	1.78	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	128982	1.69	ng/ul	0.00

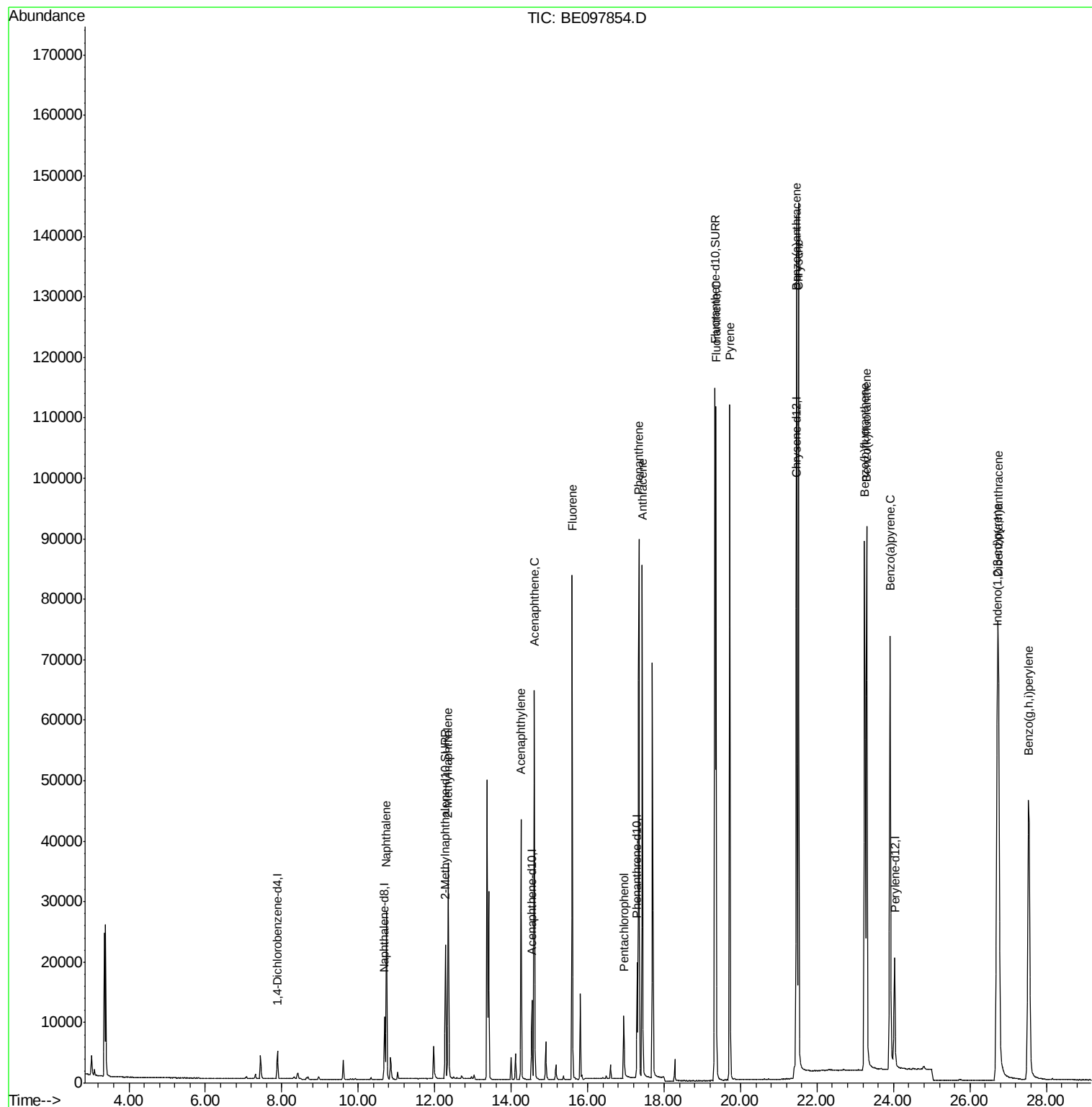
Target Compounds				Ovalue		
3) Naphthalene	10.73	128	42580	1.639	ng/ul	100
5) 2-Methylnaphthalene	12.36	142	31522	1.825	ng/ul	99
7) Acenaphthylene	14.26	152	49508	1.819	ng/ul	98
8) Acenaphthene	14.60	153	37481	1.653	ng/ul	97
9) Fluorene	15.59	166	49701	1.819	ng/ul	99
11) Pentachlorophenol	16.94	266	5829	2.723	ng/ul	98
12) Phenanthrene	17.34	178	91933	1.640	ng/ul	98
13) Anthracene	17.43	178	88614	1.862	ng/ul	98
15) Fluoranthene	19.36	202	123030	1.665	ng/ul	98
17) Pyrene	19.72	202	149808	2.097	ng/ul	98
18) Benzo(a)anthracene	21.46	228	143170	1.774	ng/ul	98
19) Chrysene	21.51	228	135713	1.743	ng/ul	98
21) Benzo(b)fluoranthene	23.24	252	126986	1.781	ng/ul	98
22) Benzo(k)fluoranthene	23.30	252	128761	1.593	ng/ul#	96
23) Benzo(a)pyrene	23.91	252	121122	1.857	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.71	276	139077	1.878	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.75	278	115802	1.871	ng/ul	99
26) Benzo(g,h,i)perylene	27.54	276	118594	1.696	ng/ul	99

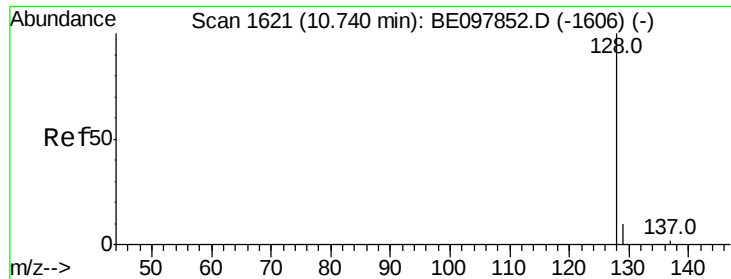
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.639 ng/ul

RT: 10.73 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

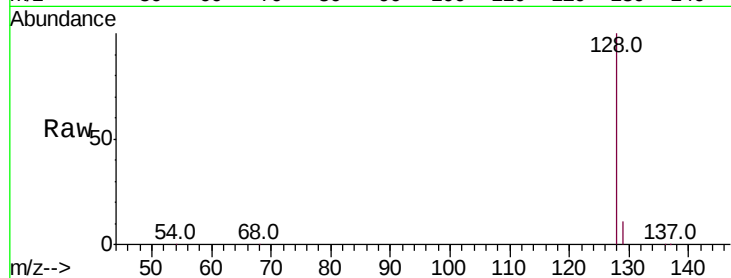
Tot Ion:128 Resp: 42580

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

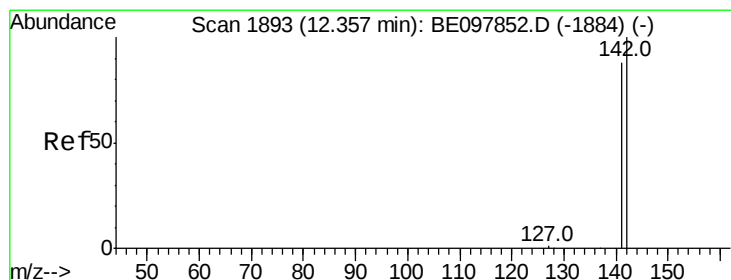
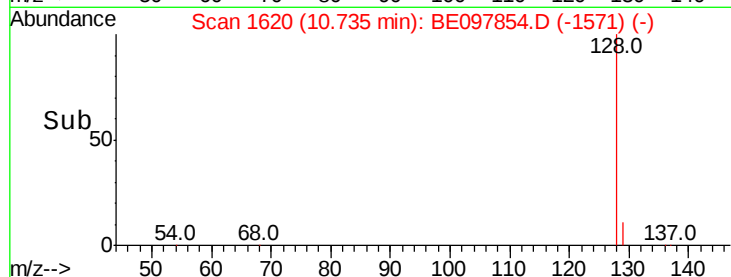
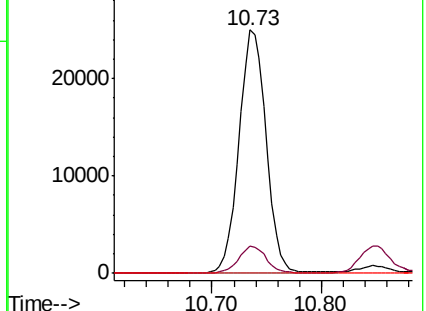
127 0.0 0.0 0.0



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: 1.825 ng/ul

RT: 12.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: BE097854.D

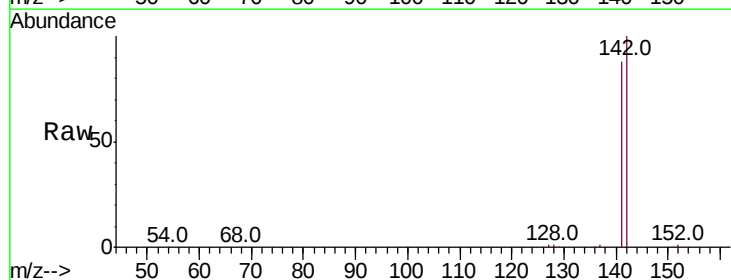
Acq: 11 Oct 2018 12:51

Tgt Ion:142 Resp: 31522

Ion Ratio Lower Upper

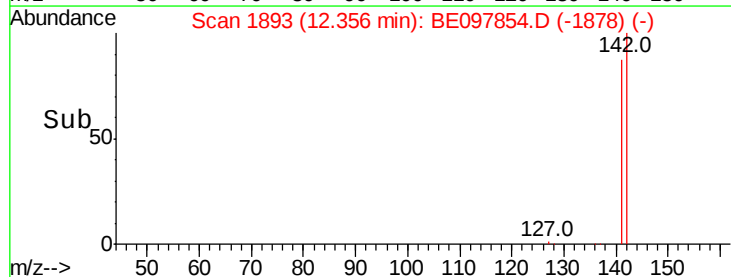
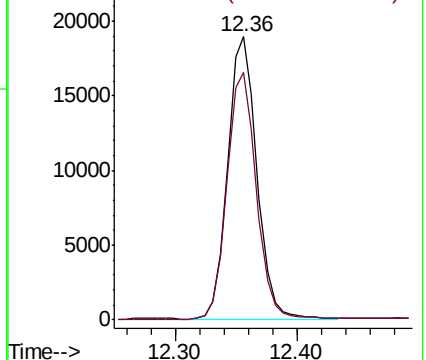
142 100

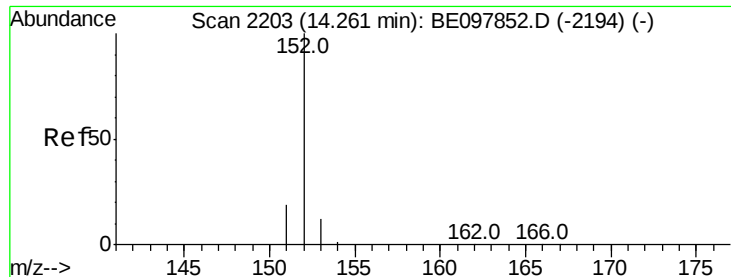
141 88.2 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.819 ng/ul

RT: 14.26 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

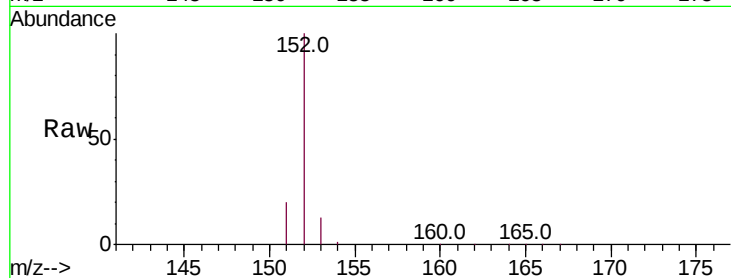
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 49508

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.0	22.6
153	13.3	10.5	15.7

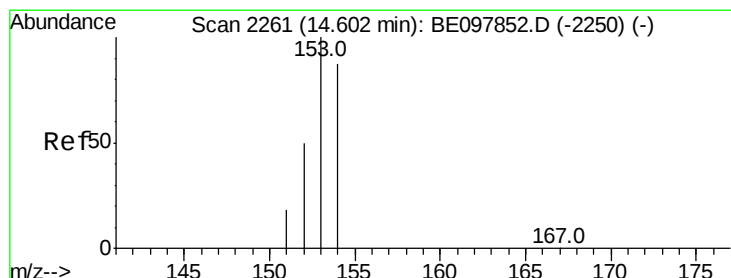
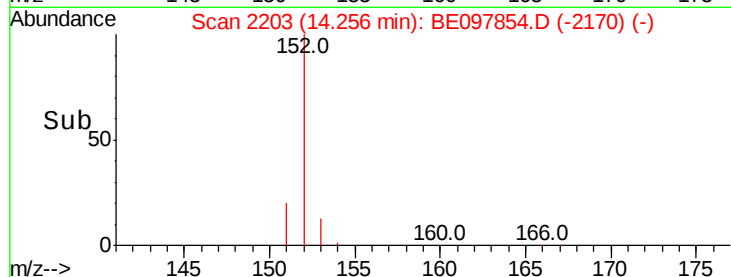
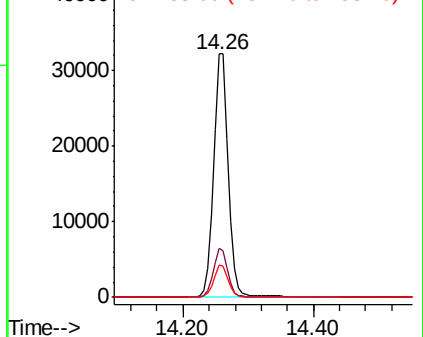


Abundance

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: 1.653 ng/ul

RT: 14.60 min Scan# 2262

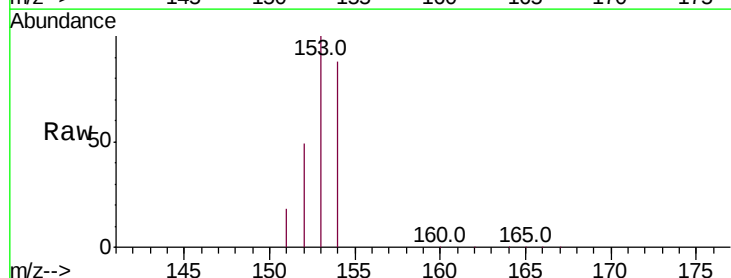
Delta R.T. 0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Tgt Ion:153 Resp: 37481

Ion	Ratio	Lower	Upper
153	100		
152	49.1	41.2	61.8
154	87.8	68.6	103.0

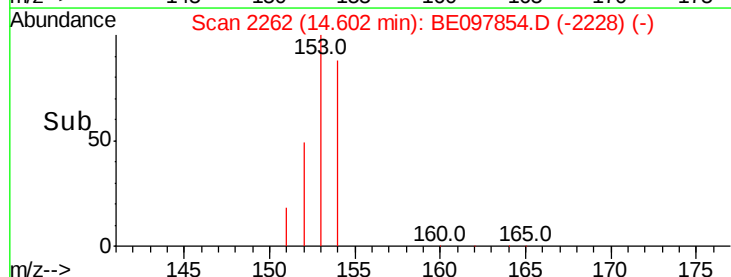
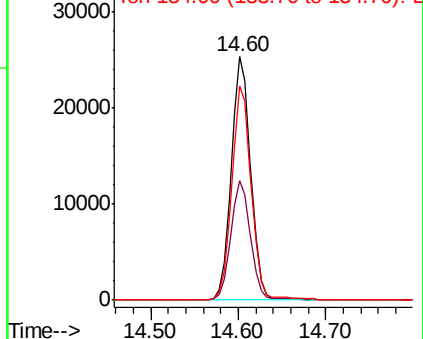


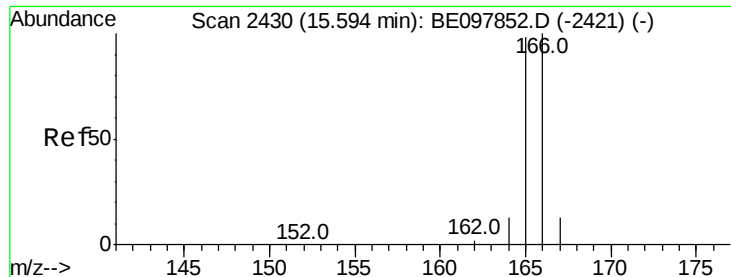
Abundance

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: 1.819 ng/ul

RT: 15.59 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

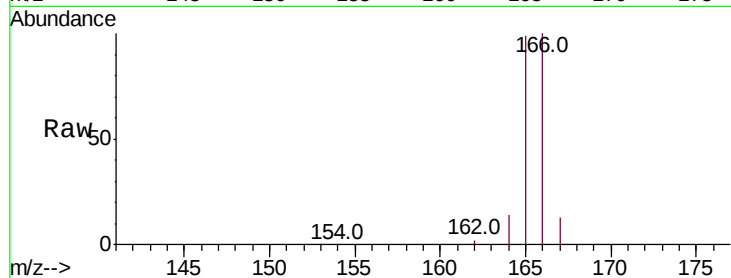
Tot Ion:166 Resp: 49701

Ion Ratio Lower Upper

166 100

165 98.5 79.2 118.8

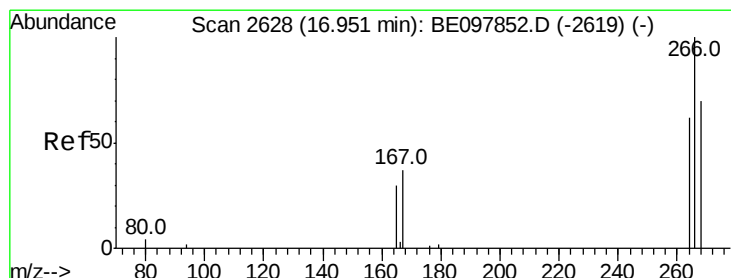
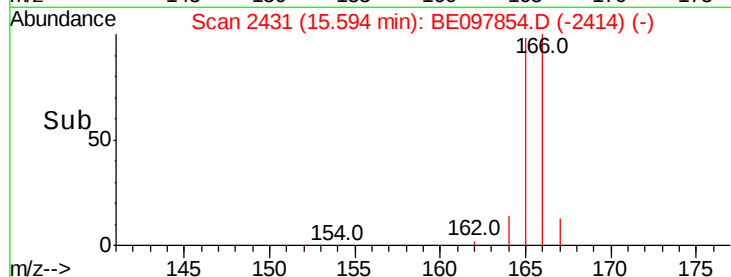
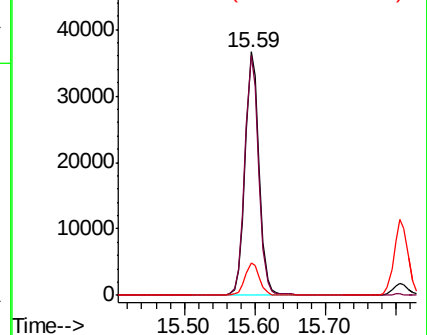
167 13.1 11.3 16.9



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: 2.723 ng/ul

RT: 16.94 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

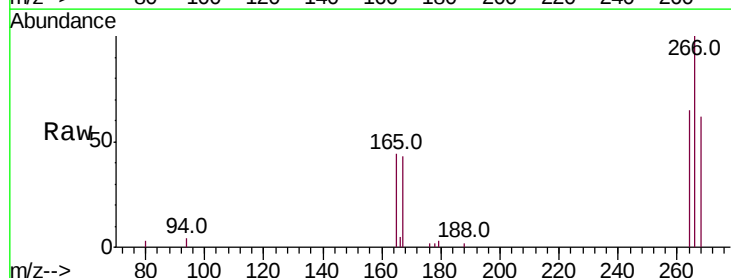
Tgt Ion:266 Resp: 5829

Ion Ratio Lower Upper

266 100

264 62.3 49.8 74.8

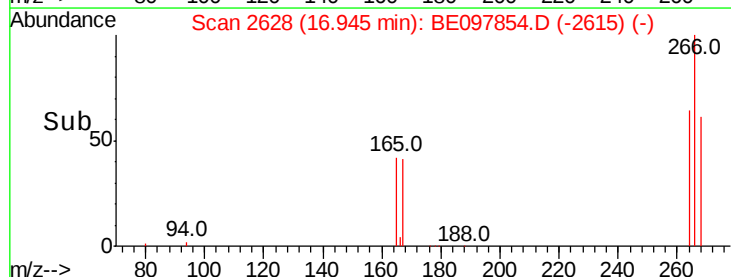
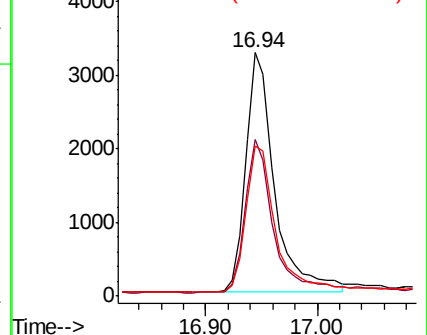
268 62.9 48.4 72.6

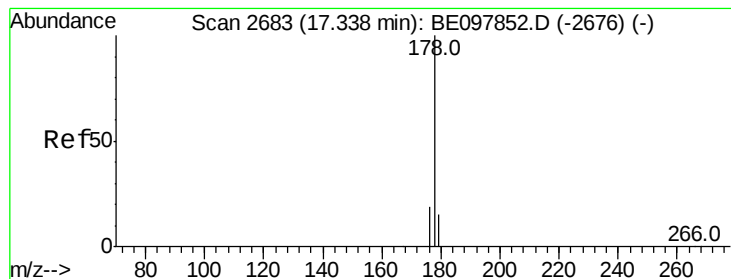


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.640 ng/ul

RT: 17.34 min Scan# 2684

Delta R.T. 0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

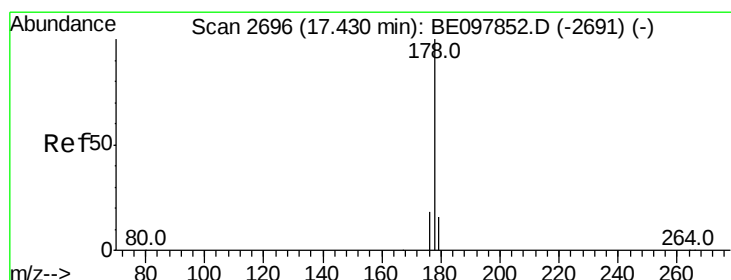
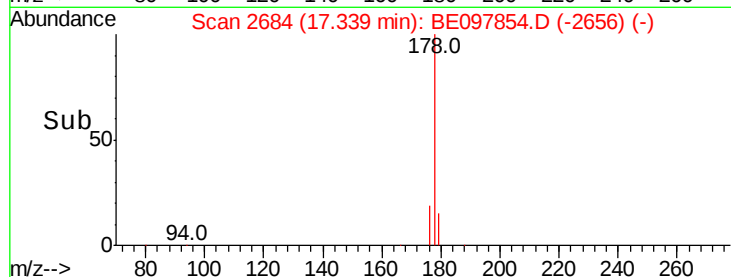
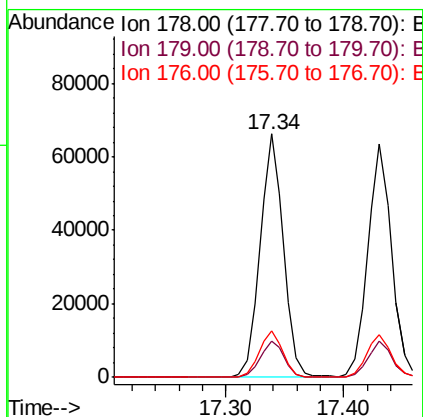
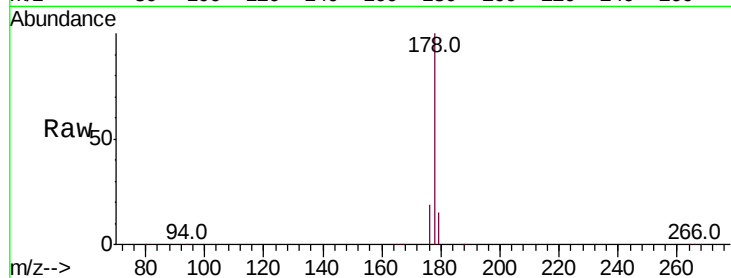
Tot Ion:178 Resp: 91933

Ion Ratio Lower Upper

178 100

179 15.2 12.8 19.2

176 19.3 14.9 22.3



#13

Anthracene

Concen: 1.862 ng/ul

RT: 17.43 min Scan# 2697

Delta R.T. 0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

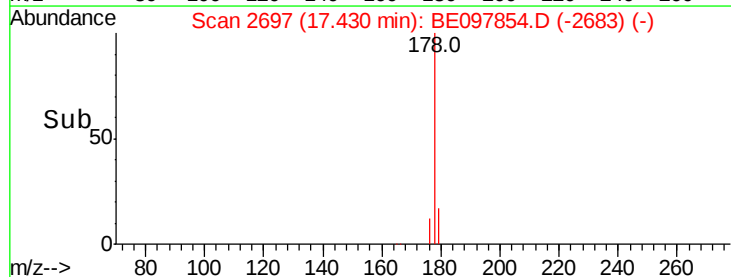
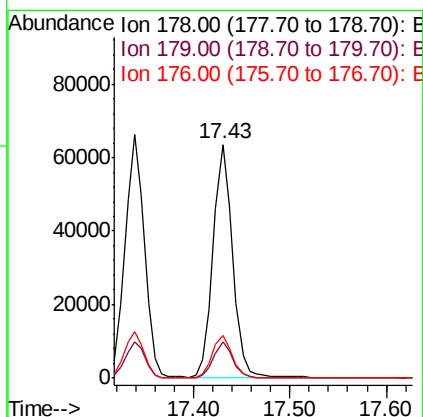
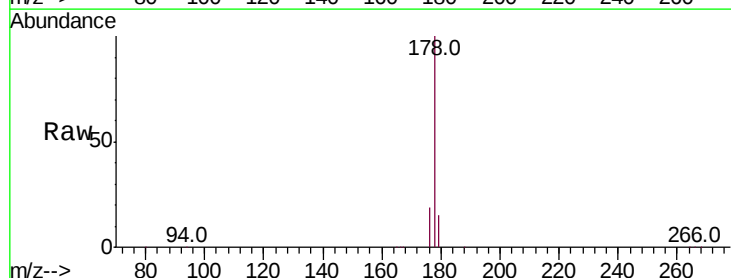
Tgt Ion:178 Resp: 88614

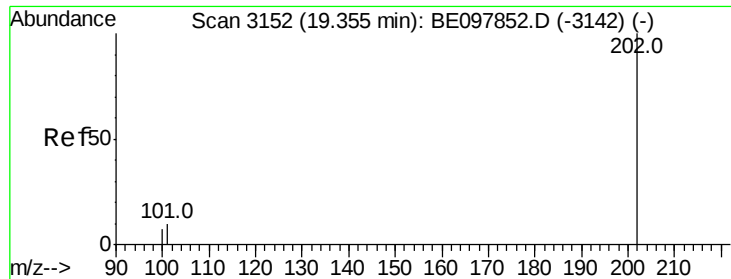
Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

176 18.5 15.5 23.3

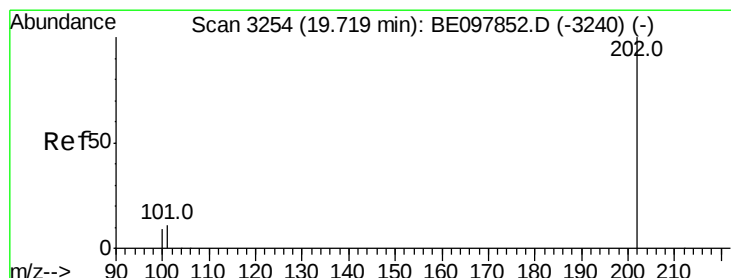
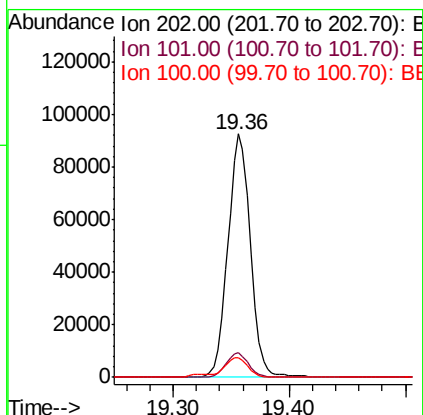
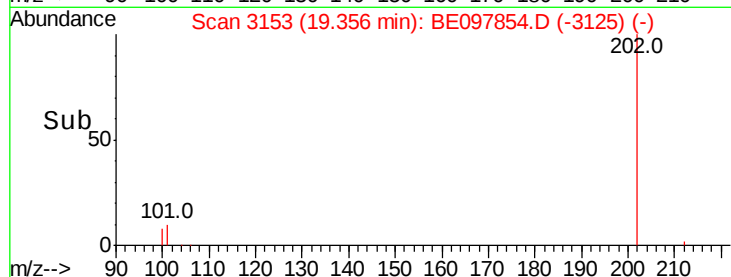
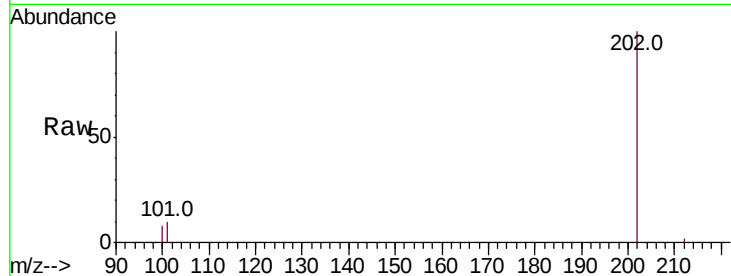




#15
 Fluoranthene
 Concen: 1.665 ng/ul
 RT: 19.36 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BE097854.D
 Acq: 11 Oct 2018 12:51

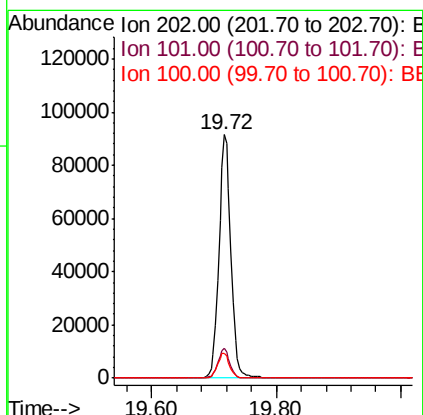
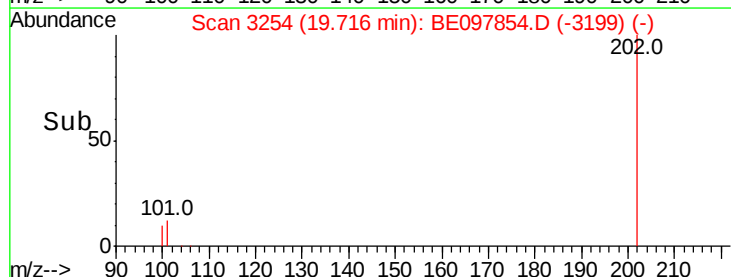
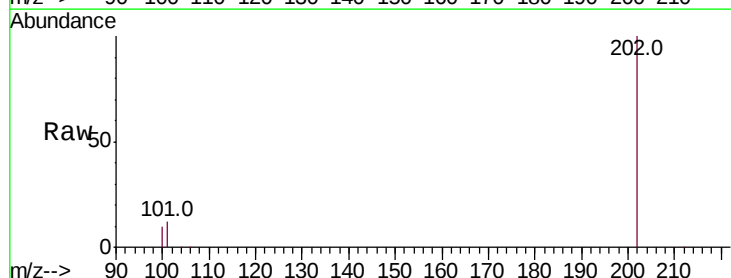
Instrument :
 BNA_E
 ClientSampleId :

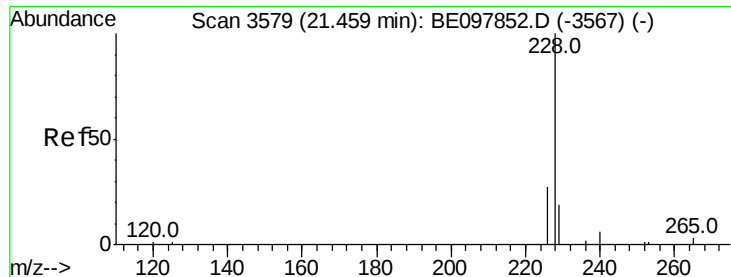
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.3
100	8.2	0.0	27.5



#17
 Pyrene
 Concen: 2.097 ng/ul
 RT: 19.72 min Scan# 3254
 Delta R.T. -0.00 min
 Lab File: BE097854.D
 Acq: 11 Oct 2018 12:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.8	13.2
100	10.2	7.9	11.9





#18

Benzo(a)anthracene

Concen: 1.774 ng/ul

RT: 21.46 min Scan# 3581

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

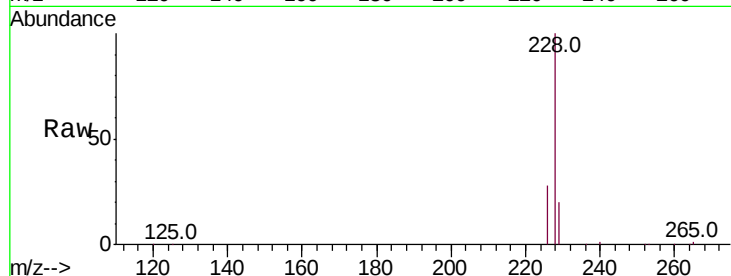
Tot Ion:228 Resp: 143170

Ion Ratio Lower Upper

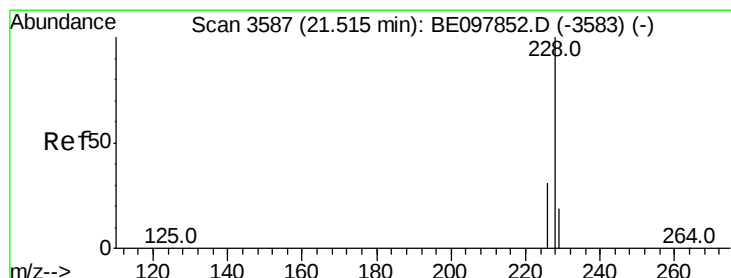
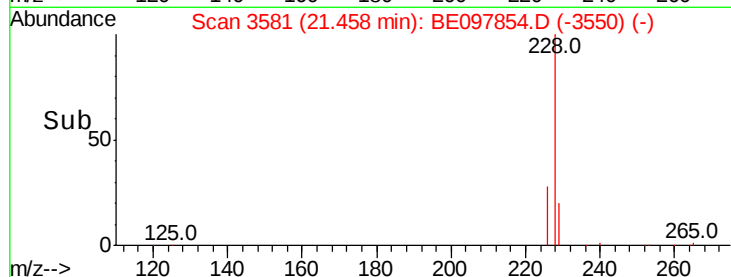
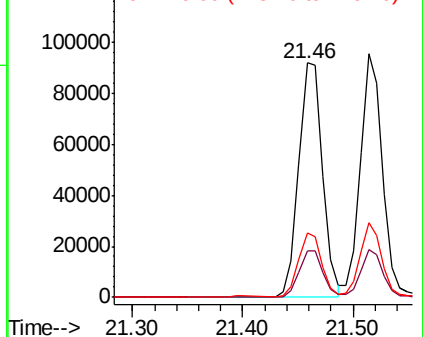
228 100

229 19.7 16.4 24.6

226 27.6 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: 1.743 ng/ul

RT: 21.51 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

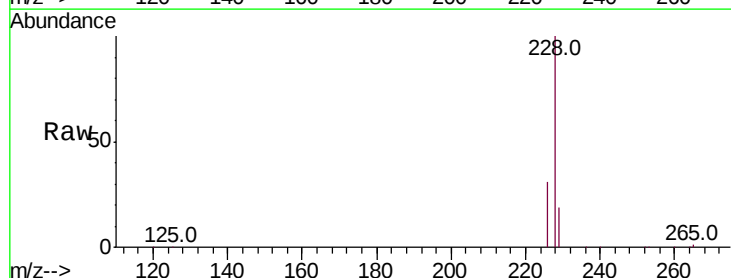
Tgt Ion:228 Resp: 135713

Ion Ratio Lower Upper

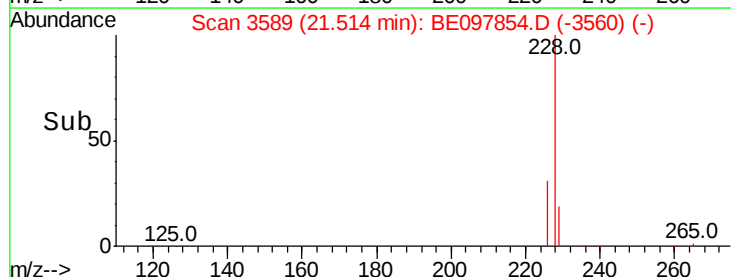
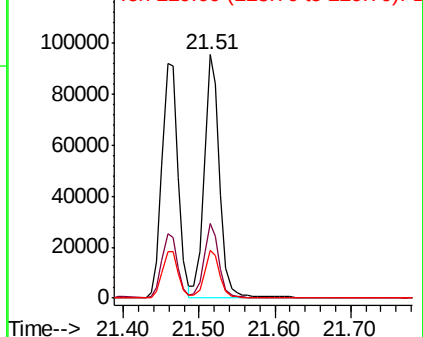
228 100

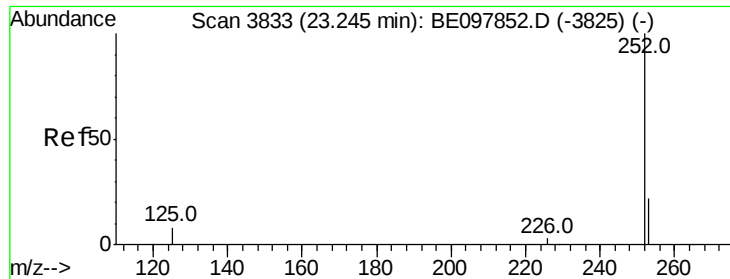
226 30.6 23.0 34.4

229 19.5 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: 1.781 ng/ul

RT: 23.24 min Scan# 3835

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

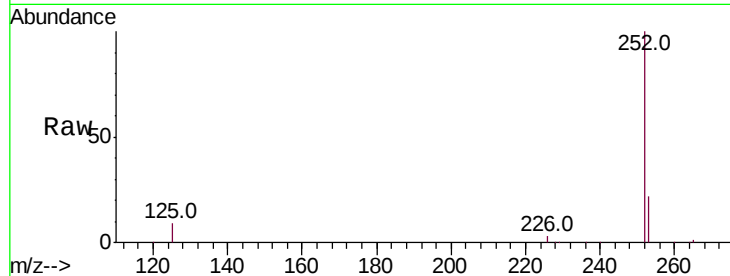
Tot Ion:252 Resp: 126986

Ion Ratio Lower Upper

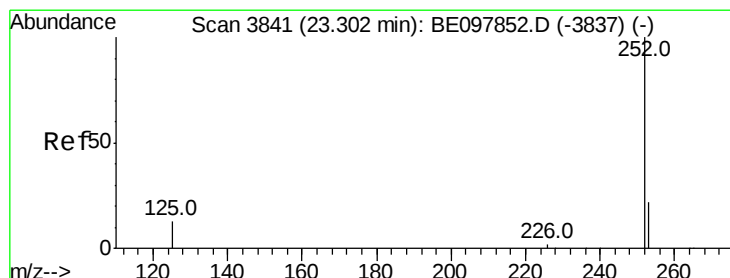
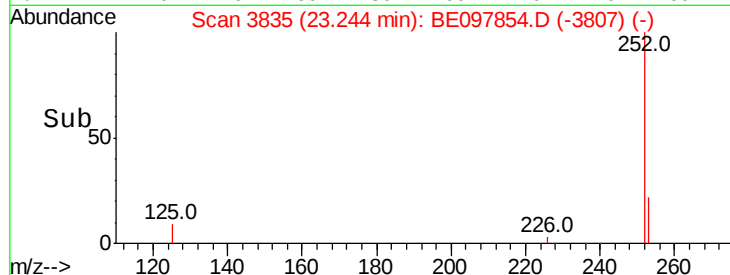
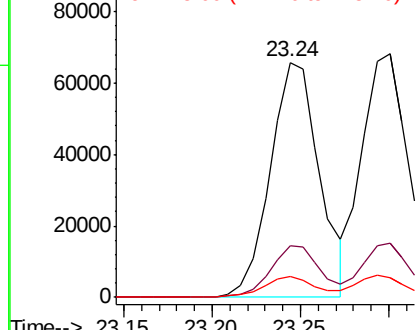
252 100

253 22.0 0.0 47.0

125 9.0 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: 1.593 ng/ul

RT: 23.30 min Scan# 3843

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

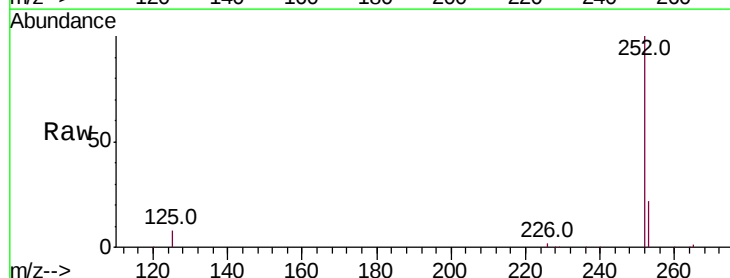
Tgt Ion:252 Resp: 128761

Ion Ratio Lower Upper

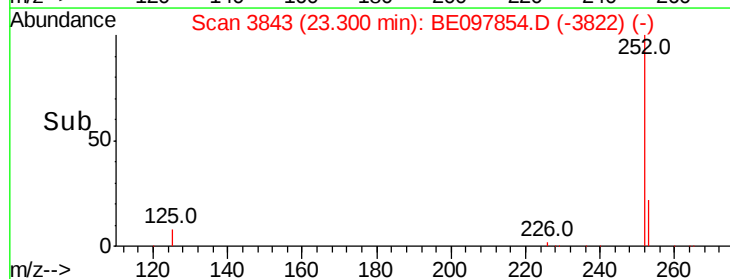
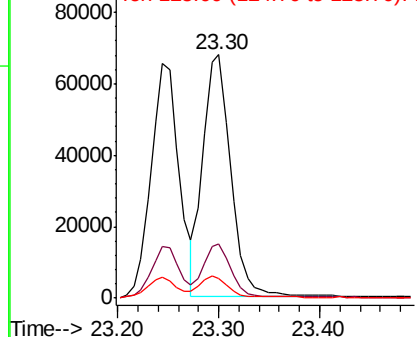
252 100

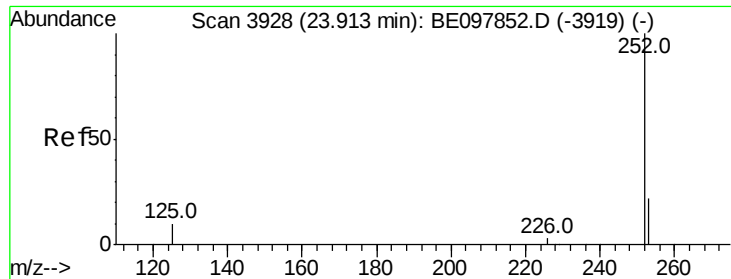
253 22.4 17.8 26.6

125 8.1 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: 1.857 ng/ul

RT: 23.91 min Scan# 3930

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

Instrument :

BNA_E

ClientSampleId :

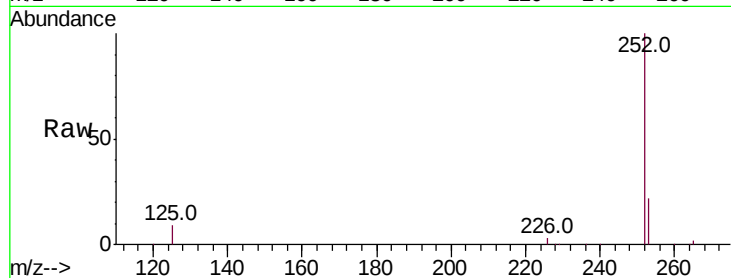
Tot Ion:252 Resp: 121122

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

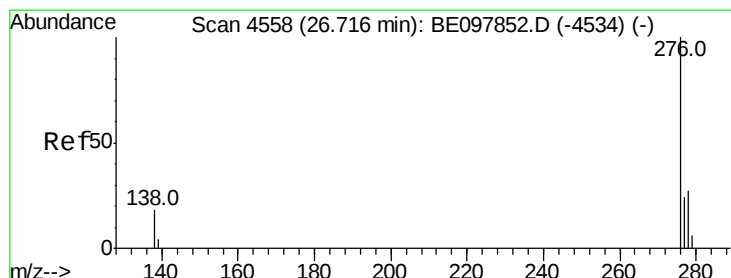
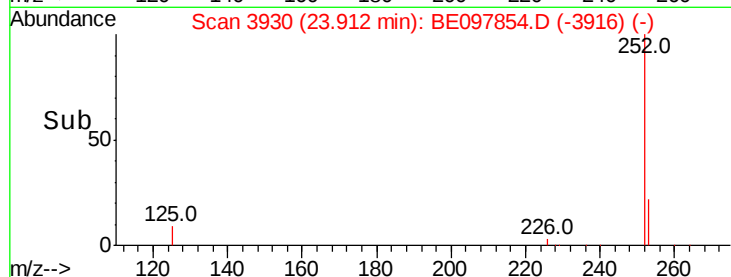
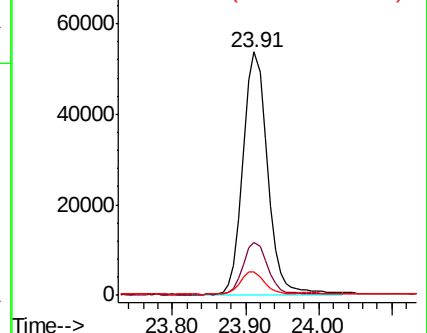
125 9.4 8.3 12.5



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: 1.878 ng/ul

RT: 26.71 min Scan# 4559

Delta R.T. -0.00 min

Lab File: BE097854.D

Acq: 11 Oct 2018 12:51

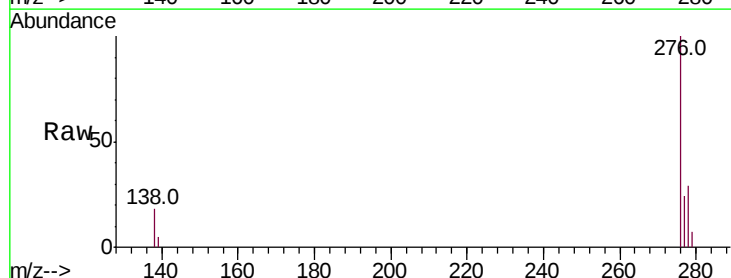
Tgt Ion:276 Resp: 139077

Ion Ratio Lower Upper

276 100

138 21.1 0.0 0.0#

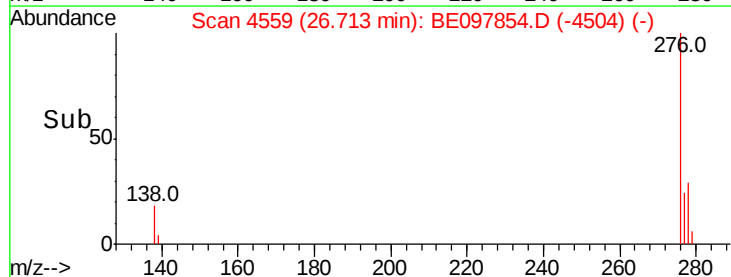
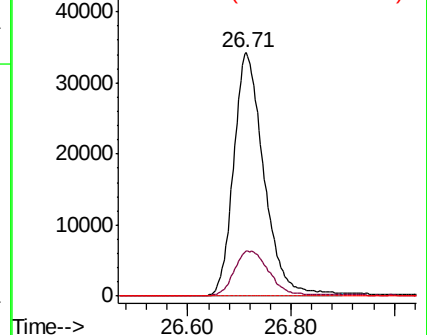
227 0.0 0.0 0.0

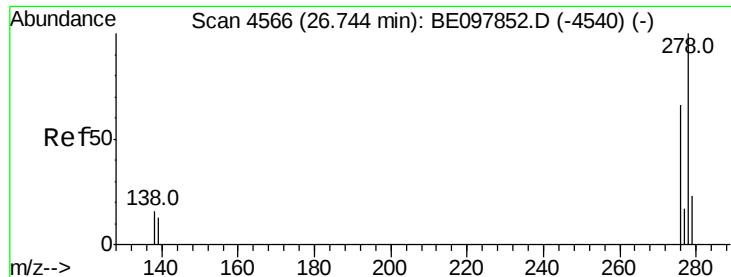


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



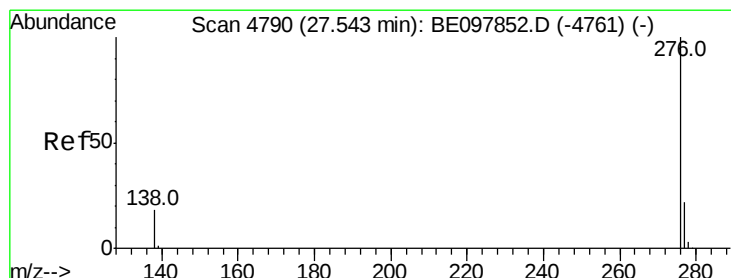
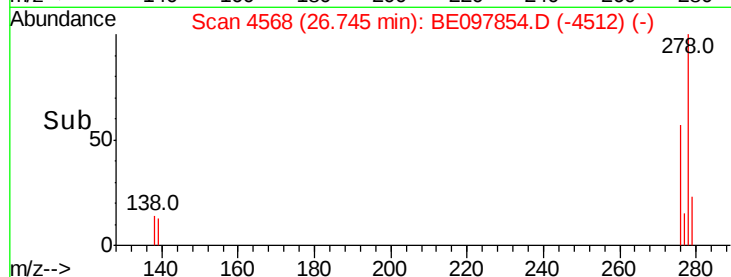
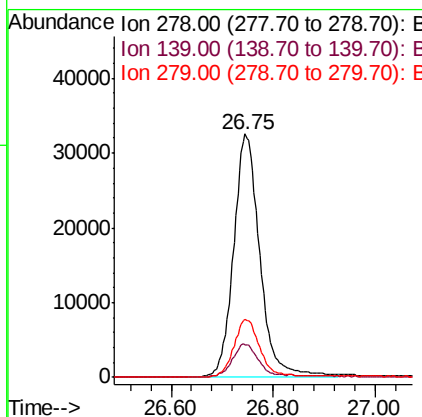
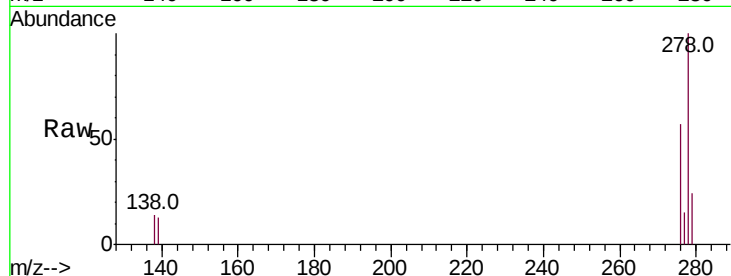


#25
Dibenzo(a,h)anthracene
Concen: 1.871 ng/ul
RT: 26.75 min Scan# 4568
Delta R.T. 0.00 min
Lab File: BE097854.D
Acq: 11 Oct 2018 12:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 115802

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.9	16.3
279	23.8	18.8	28.2



#26
Benzo(g,h,i)perylene
Concen: 1.696 ng/ul
RT: 27.54 min Scan# 4790
Delta R.T. -0.01 min
Lab File: BE097854.D
Acq: 11 Oct 2018 12:51

Tgt Ion:276 Resp: 118594

Ion	Ratio	Lower	Upper
276	100		
138	18.3	14.3	21.5
277	23.6	19.5	29.3

