

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080118\
 Data File : BE097141.D
 Acq On : 1 Aug 2018 22:32
 Operator : SJ/JU
 Sample : J4149-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 02 01:04:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 01 16:16:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1428	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	7113	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	4315	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	11567	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	13749	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	15735	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.73	152	902	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	2960	0.07	ng/ul	0.00

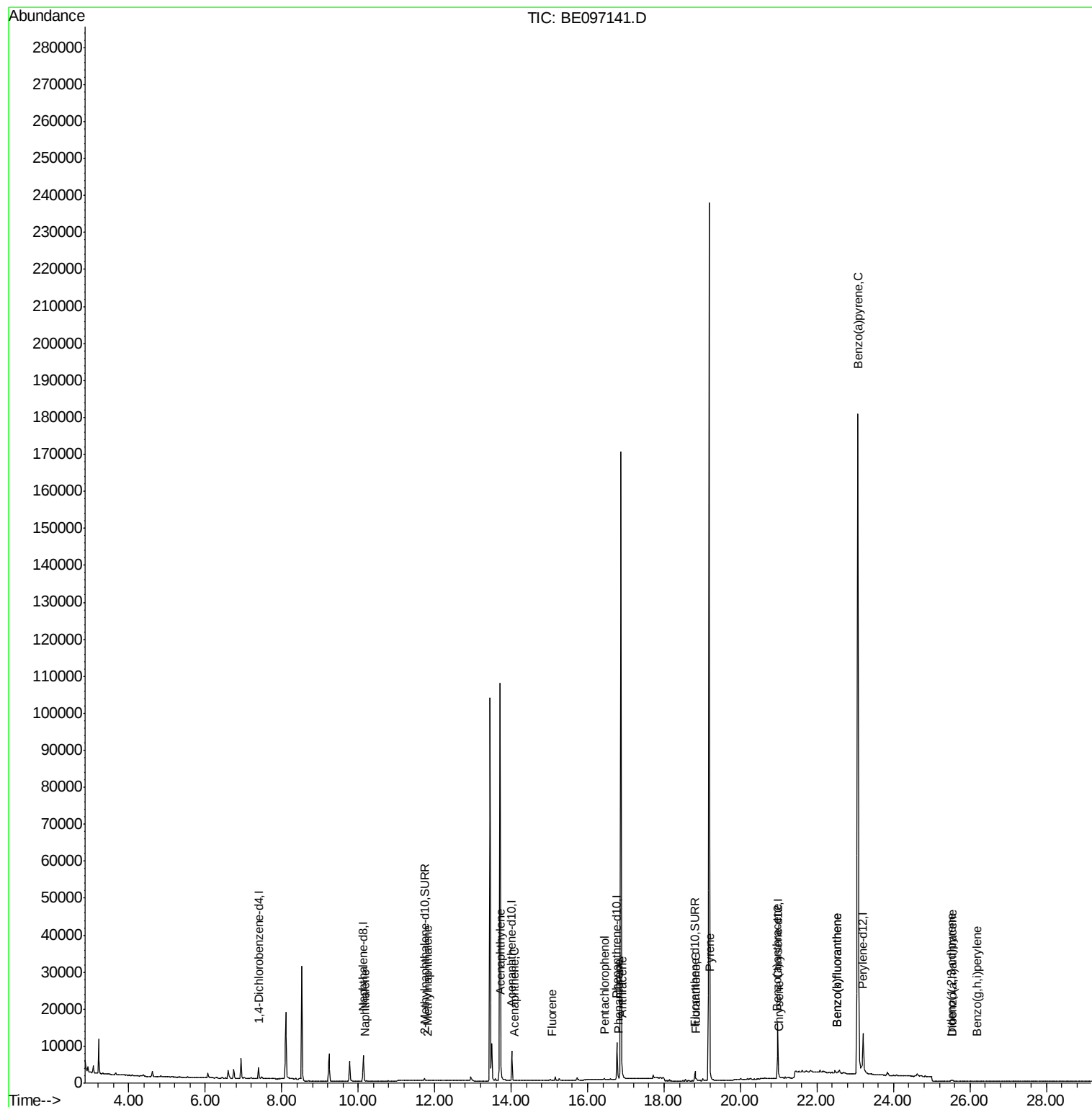
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.18	128	99	0.006	ng/ul#	20
5) 2-Methylnaphthalene	11.81	142	56	0.005	ng/ul	100
7) Acenaphthylene	13.73	152	51	0.003	ng/ul#	1
8) Acenaphthene	14.08	153	44	0.003	ng/ul#	78
9) Fluorene	15.08	166	53	0.003	ng/ul#	63
11) Pentachlorophenol	16.43	266	157	0.095	ng/ul	95
12) Phenanthrene	16.81	178	408	0.014	ng/ul#	62
13) Anthracene	16.90	178	107	0.004	ng/ul#	1
15) Fluoranthene	18.84	202	906	0.023	ng/ul	88
17) Pyrene	19.20	202	1023	0.028	ng/ul	94
18) Benzo(a)anthracene	20.96	228	295	0.008	ng/ul#	27
19) Chrysene	21.01	228	445	0.011	ng/ul#	41
21) Benzo(b)fluoranthene	22.54	252	439	0.010	ng/ul#	1
22) Benzo(k)fluoranthene	22.54	252	439	0.009	ng/ul#	1
23) Benzo(a)pyrene	23.07	252	997	0.023	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.50	276	214	0.004	ng/ul#	68
25) Dibenzo(a,h)anthracene	25.53	278	106	0.002	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	276	0.006	ng/ul#	3

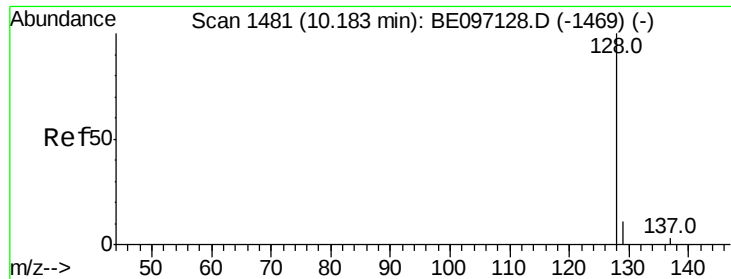
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.006 ng/ul

RT: 10.18 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampleId :

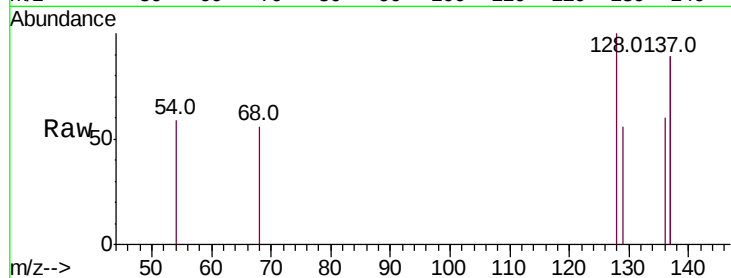
Tot Ion:128 Resp: 99

Ion Ratio Lower Upper

128 100

129 56.1 11.3 16.9#

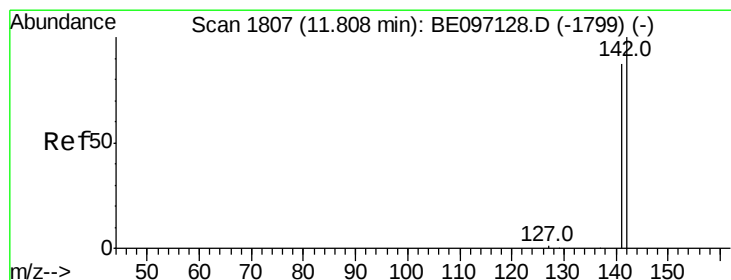
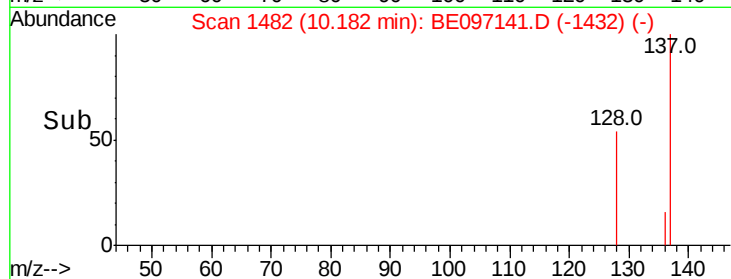
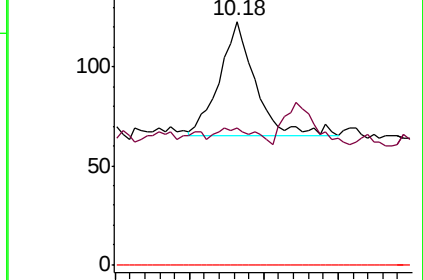
127 0.0 4.0 6.0#



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: 0.005 ng/ul

RT: 11.81 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BE097141.D

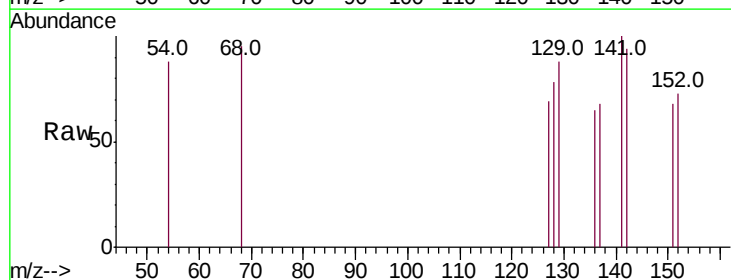
Acq: 1 Aug 2018 22:32

Tgt Ion:142 Resp: 56

Ion Ratio Lower Upper

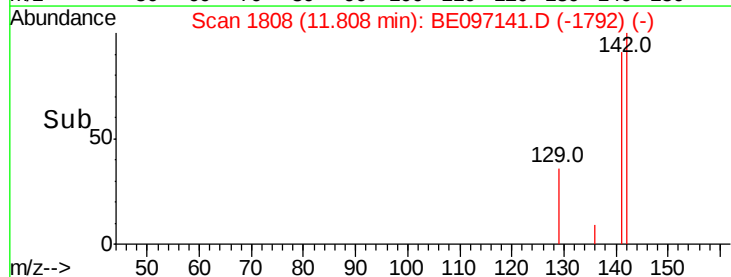
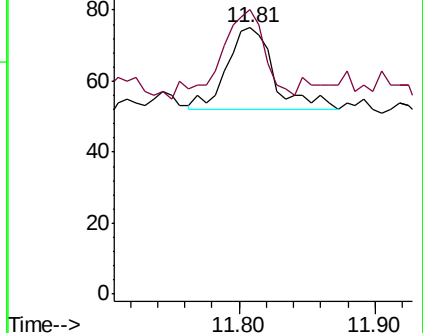
142 100

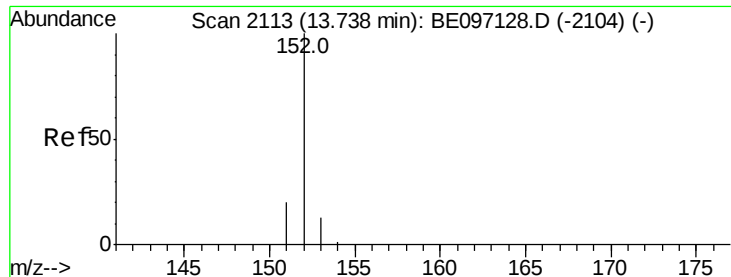
141 91.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.003 ng/ul

RT: 13.73 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BE097141.D

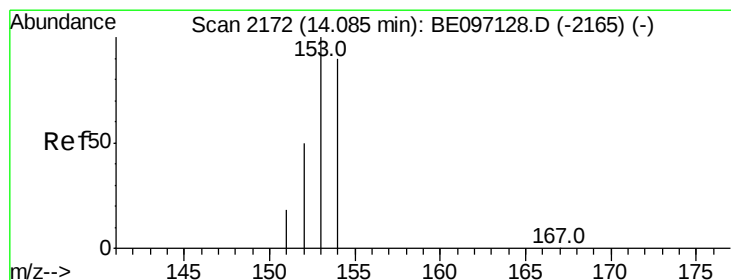
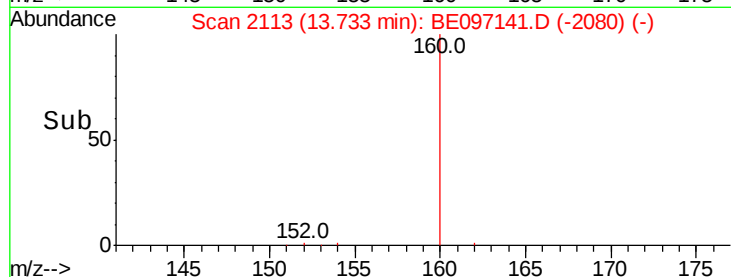
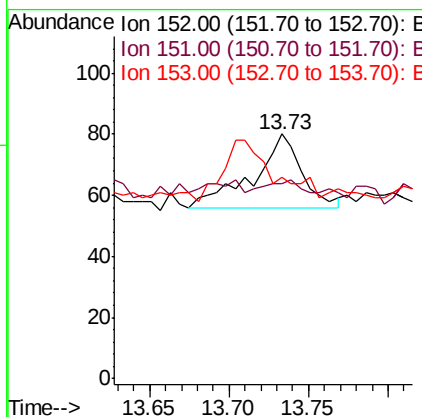
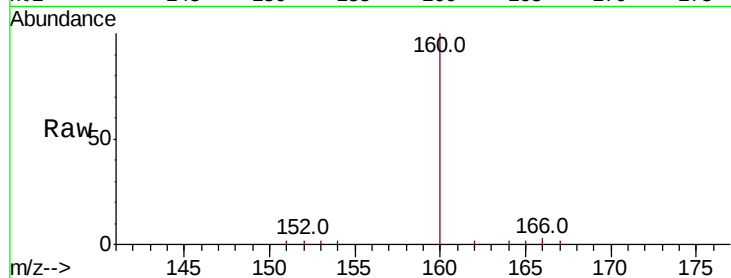
Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampled :

Tot Ion:	152	Resp:	51
Ion	Ratio	Lower	Upper
152	100		
151	80.0	17.1	25.7#
153	82.5	12.8	19.2#



#8

Acenaphthene

Concen: 0.003 ng/ul

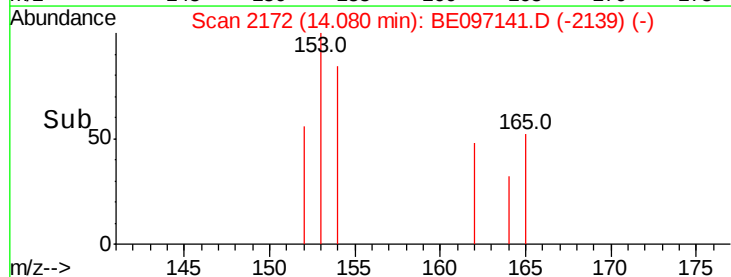
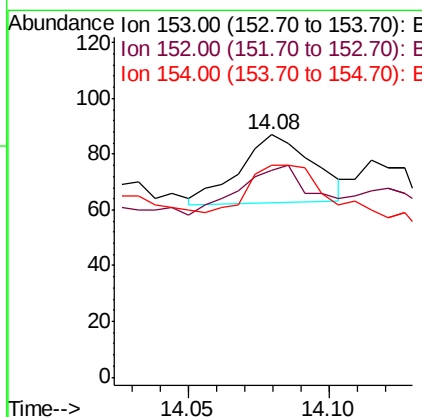
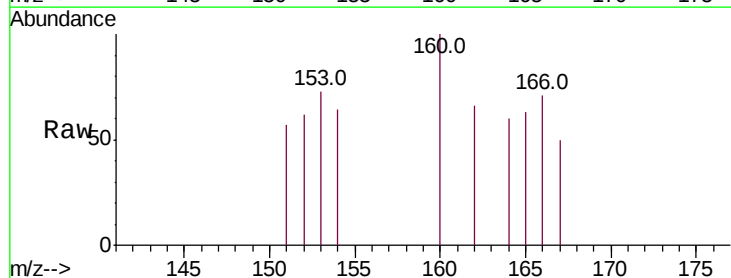
RT: 14.08 min Scan# 2172

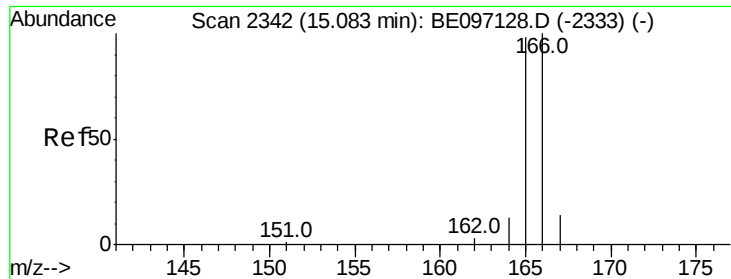
Delta R.T. -0.01 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Tgt Ion:	153	Resp:	44
Ion	Ratio	Lower	Upper
153	100		
152	85.1	36.0	54.0#
154	87.4	72.0	108.0

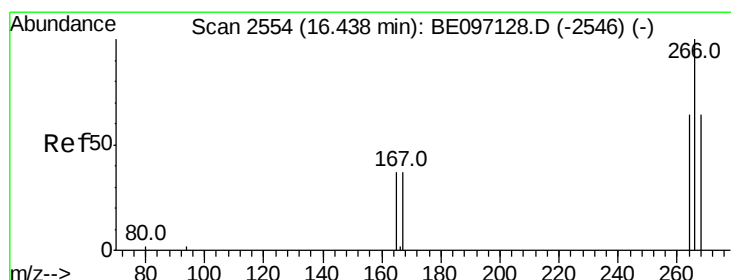
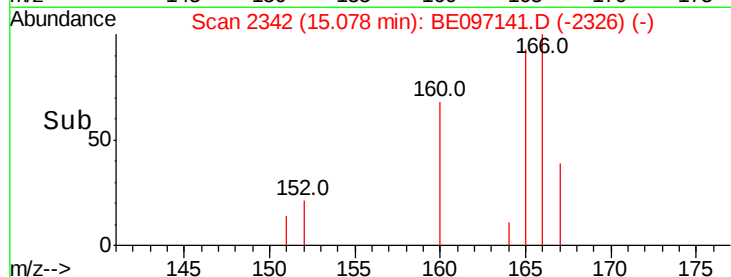
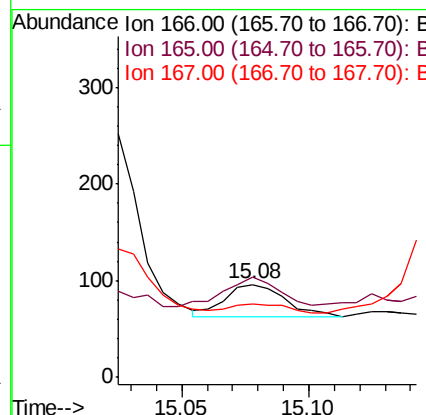
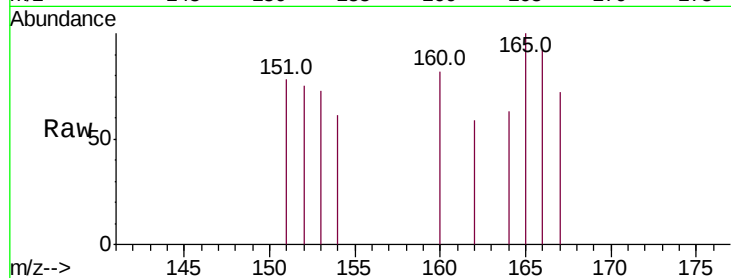




#9
Fluorene
 Concen: 0.003 ng/ul
 RT: 15.08 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: BE097141.D
 Acq: 1 Aug 2018 22:32

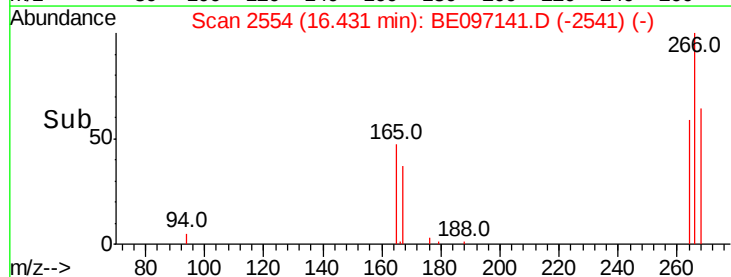
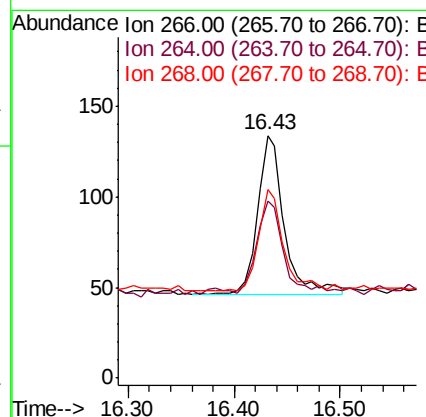
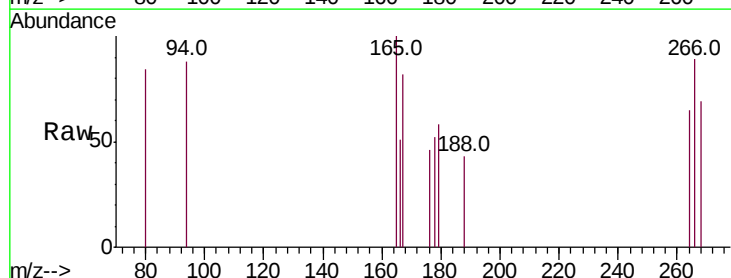
Instrument :
 BNA_E
 ClientSampleId :

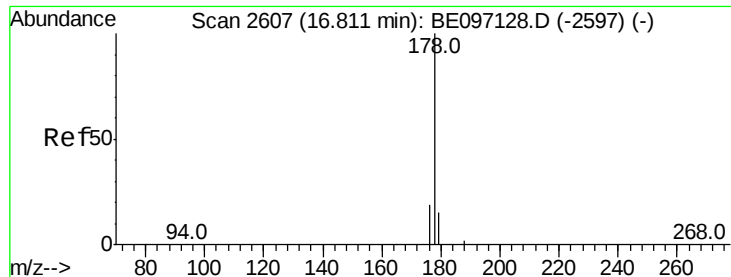
Tot Ion:166 Resp: 53
 Ion Ratio Lower Upper
 166 100
 165 108.3 73.4 110.2
 167 78.1 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.095 ng/ul
 RT: 16.43 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BE097141.D
 Acq: 1 Aug 2018 22:32

Tgt Ion:266 Resp: 157
 Ion Ratio Lower Upper
 266 100
 264 56.7 47.9 71.9
 268 58.6 49.8 74.8





#12

Phenanthrene

Concen: 0.014 ng/ul

RT: 16.81 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampleId :

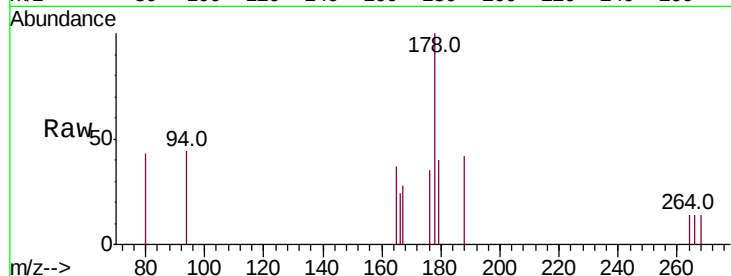
Tot Ion:178 Resp: 408

Ion Ratio Lower Upper

178 100

179 40.1 18.4 27.6#

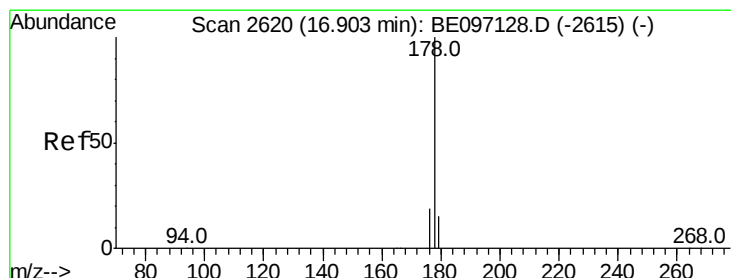
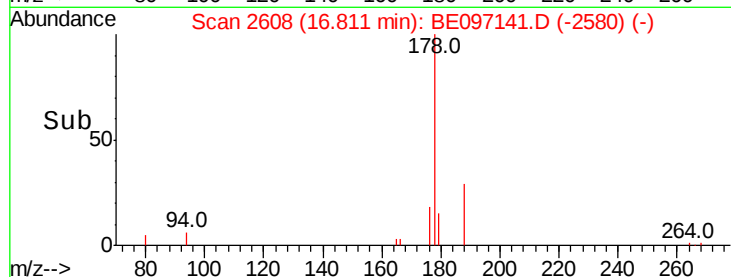
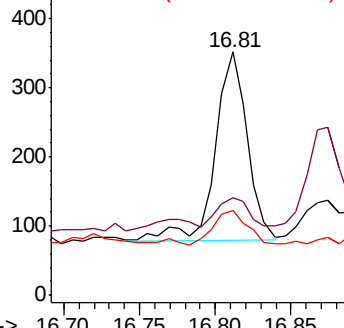
176 34.7 13.6 20.4#



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: 0.004 ng/ul

RT: 16.90 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

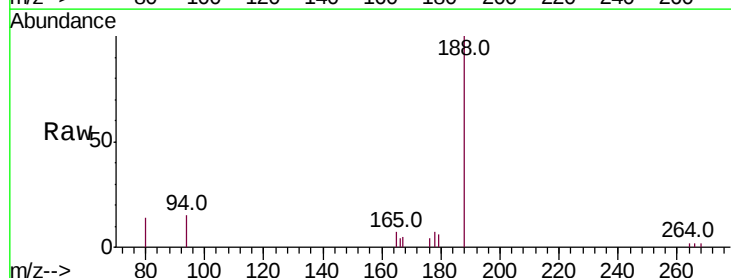
Tgt Ion:178 Resp: 107

Ion Ratio Lower Upper

178 100

179 82.8 18.1 27.1#

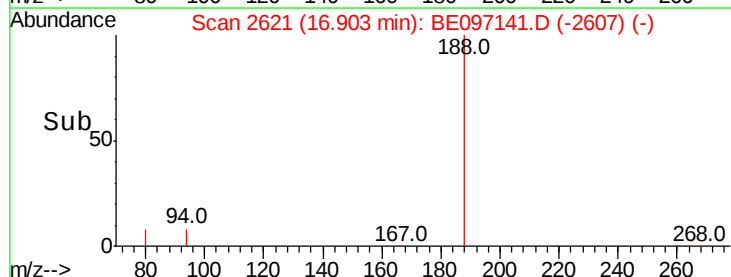
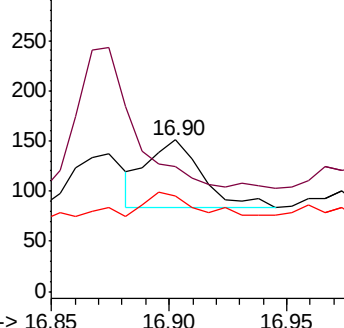
176 62.9 14.7 22.1#

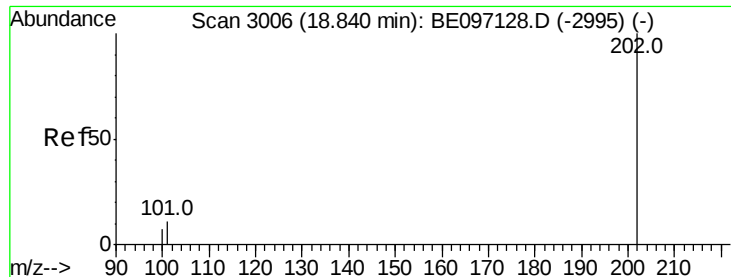


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

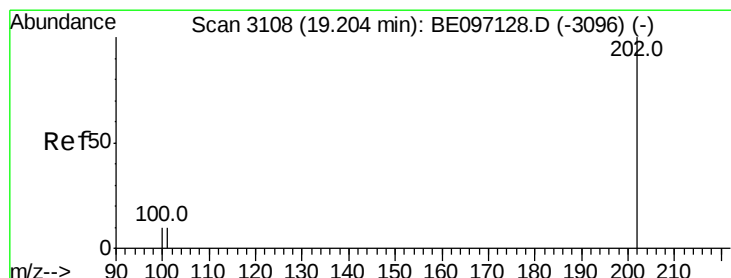
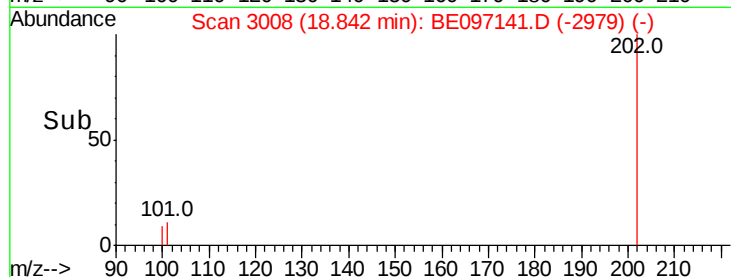
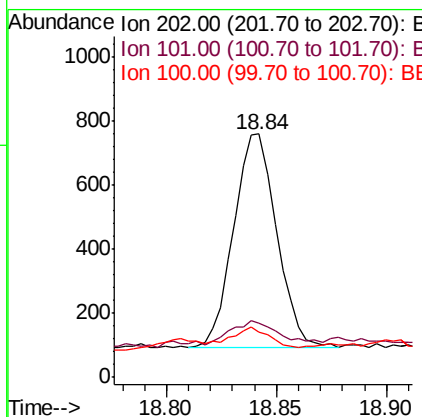
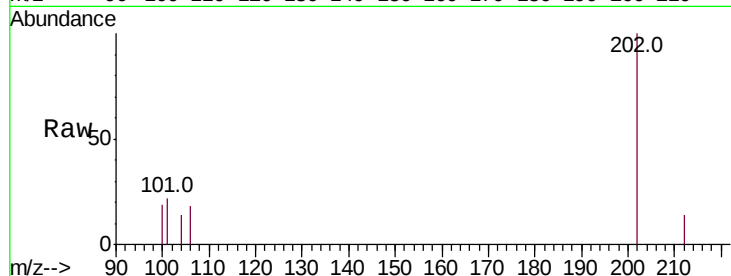




#15
Fluoranthene
 Concen: 0.023 ng/ul
 RT: 18.84 min Scan# 3008
 Delta R.T. 0.00 min
 Lab File: BE097141.D
 Acq: 1 Aug 2018 22:32

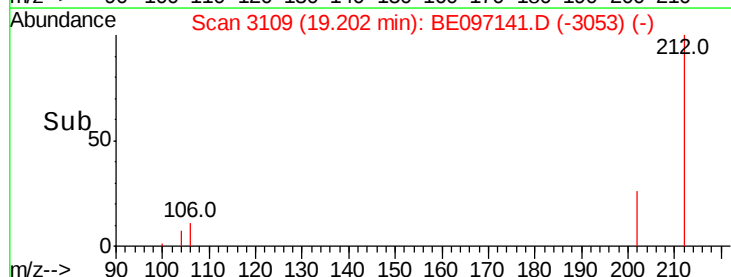
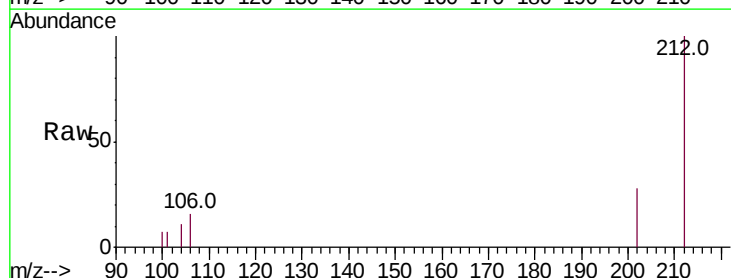
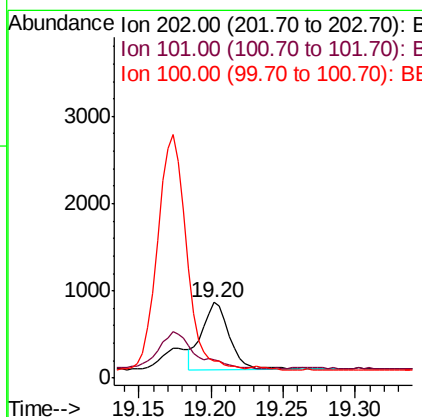
Instrument :
 BNA_E
 ClientSampleId :

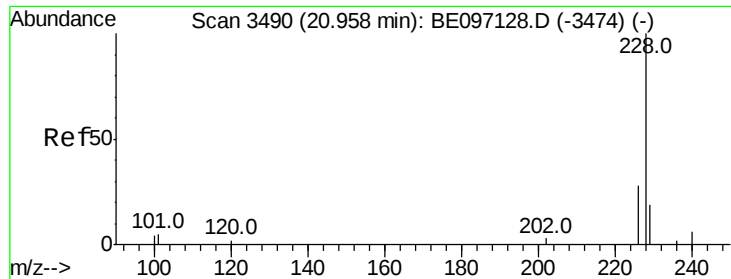
Tot Ion:	202	Resp:	906
Ion	Ratio	Lower	Upper
202	100		
101	22.1	0.0	30.3
100	18.7	0.0	39.5



#17
Pyrene
 Concen: 0.028 ng/ul
 RT: 19.20 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BE097141.D
 Acq: 1 Aug 2018 22:32

Tgt Ion:	202	Resp:	1023
Ion	Ratio	Lower	Upper
202	100		
101	25.0	18.2	27.4
100	23.1	15.6	23.4





#18

Benzo(a)anthracene

Concen: 0.008 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampleId :

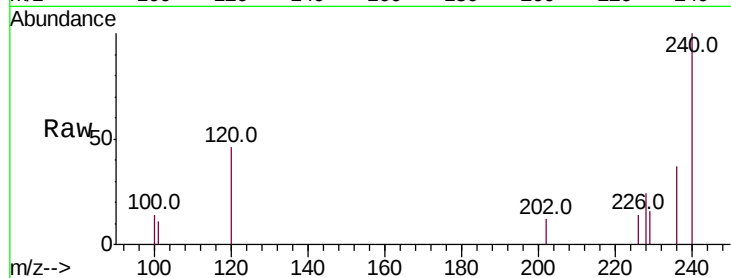
Tot Ion:228 Resp: 295

Ion Ratio Lower Upper

228 100

229 66.4 22.8 34.2#

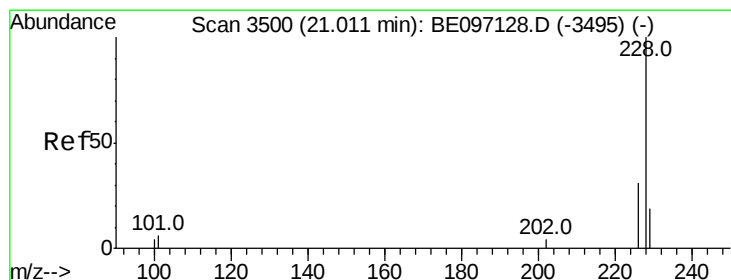
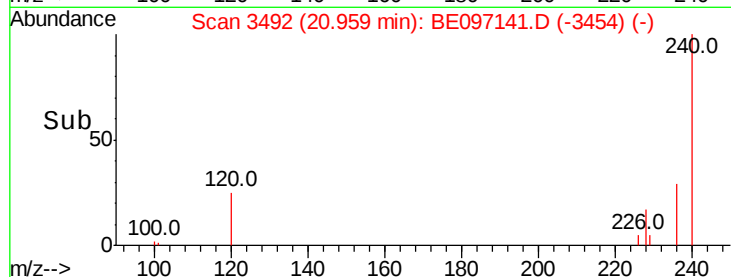
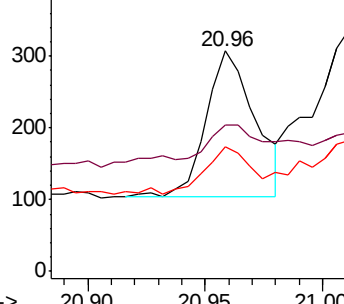
226 56.4 17.0 25.6#



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: 0.011 ng/ul

RT: 21.01 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

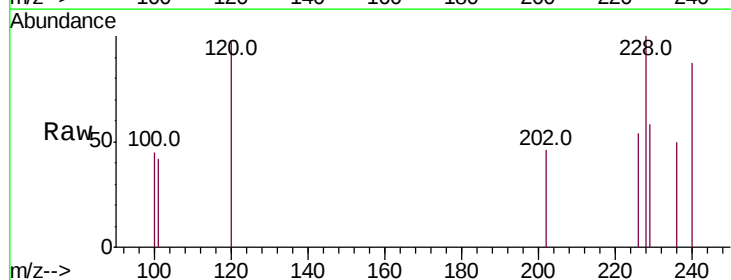
Tgt Ion:228 Resp: 445

Ion Ratio Lower Upper

228 100

226 54.3 23.4 35.0#

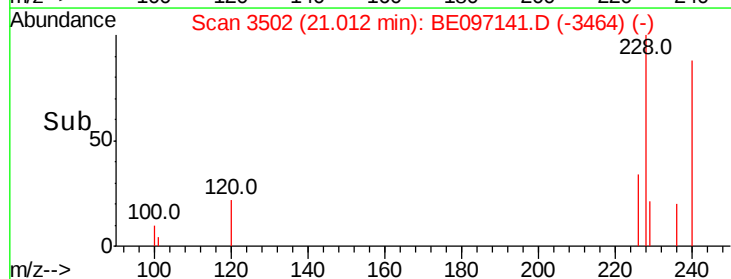
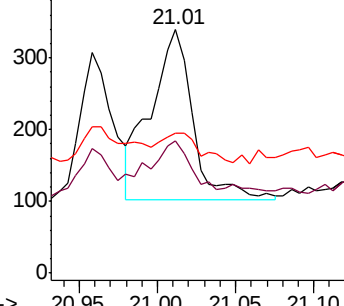
229 57.5 17.7 26.5#

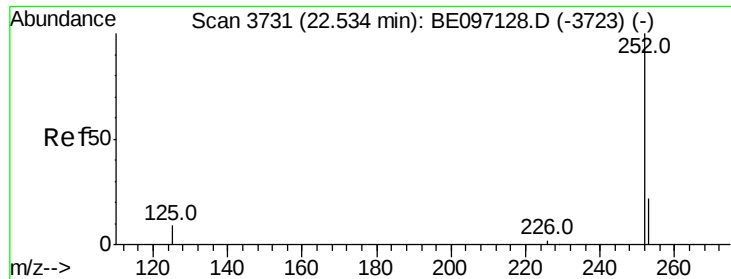


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.010 ng/ul

RT: 22.54 min Scan# 3734

Delta R.T. 0.01 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampleId :

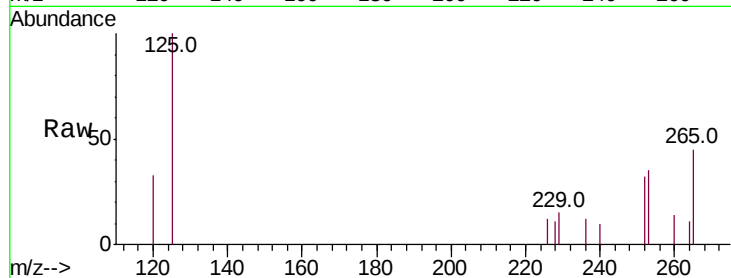
Tot Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 107.0 0.0 64.2#

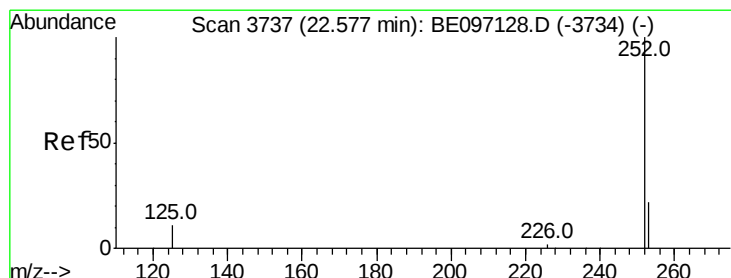
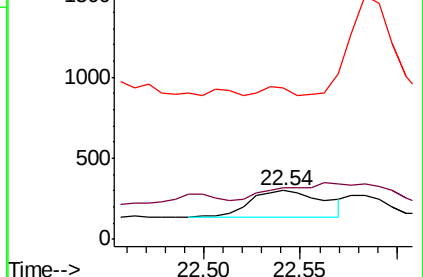
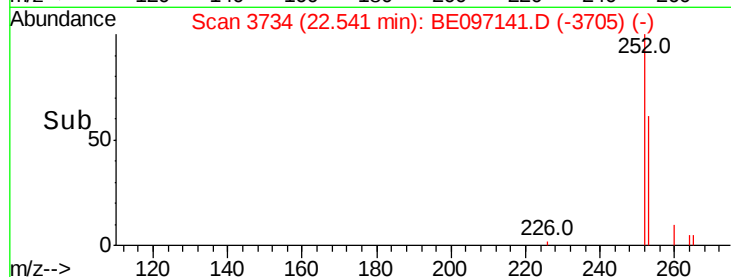
125 309.3 0.0 35.0#



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: 0.009 ng/ul

RT: 22.54 min Scan# 3734

Delta R.T. -0.04 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

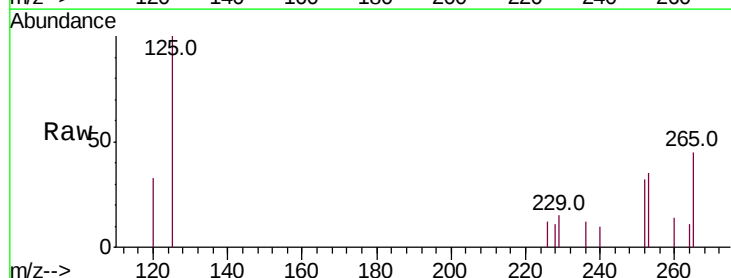
Tgt Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 107.0 24.5 36.7#

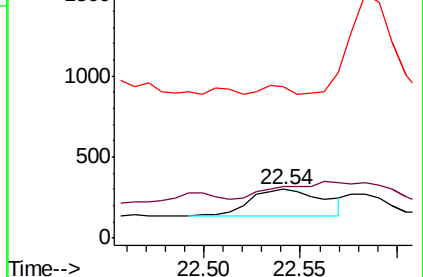
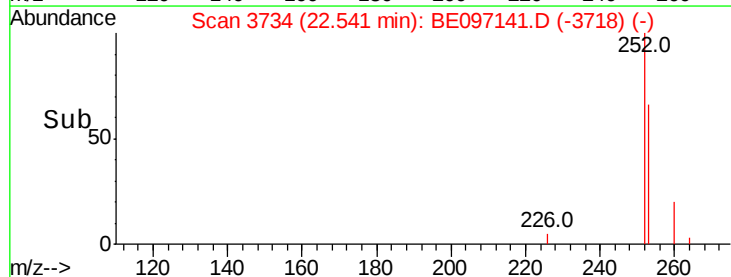
125 309.3 13.7 20.5#

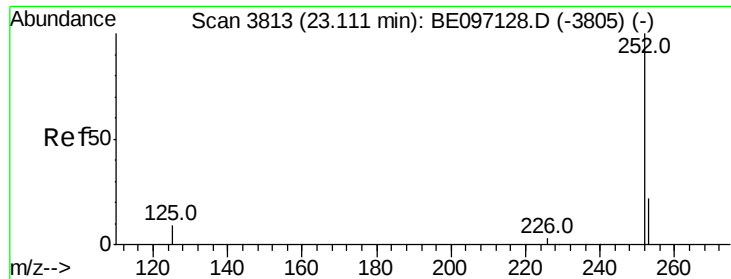


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.023 ng/u1

RT: 23.07 min Scan# 3809

Delta R.T. -0.04 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampleId :

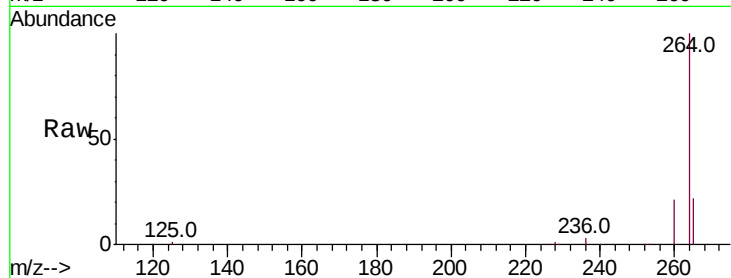
Tot Ion:252 Resp: 997

Ion Ratio Lower Upper

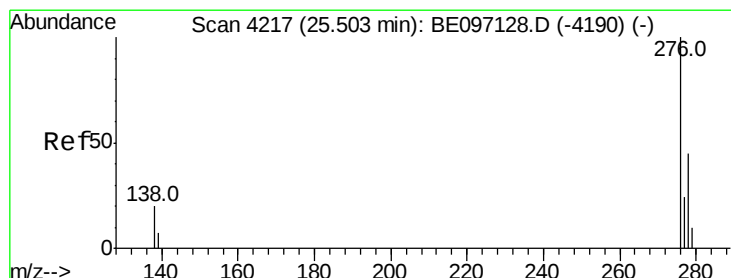
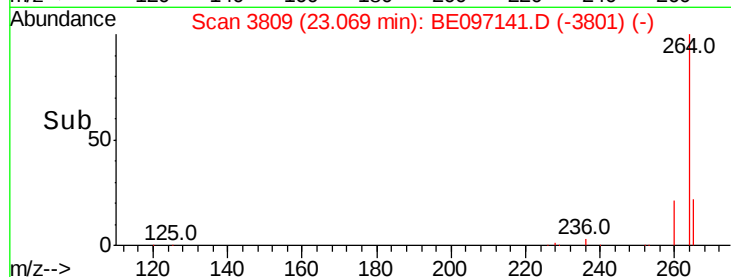
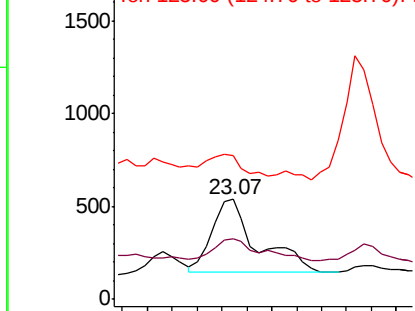
252 100

253 59.9 28.5 42.7#

125 143.2 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: 0.004 ng/u1

RT: 25.50 min Scan# 4219

Delta R.T. 0.00 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

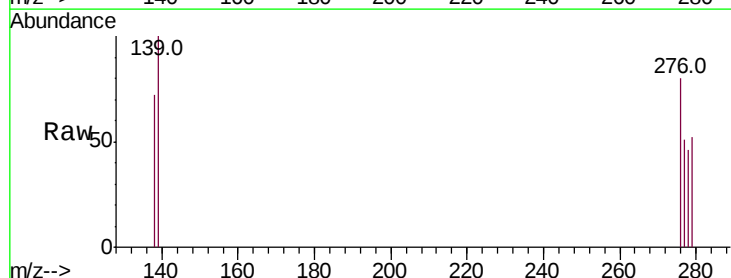
Tgt Ion:276 Resp: 214

Ion Ratio Lower Upper

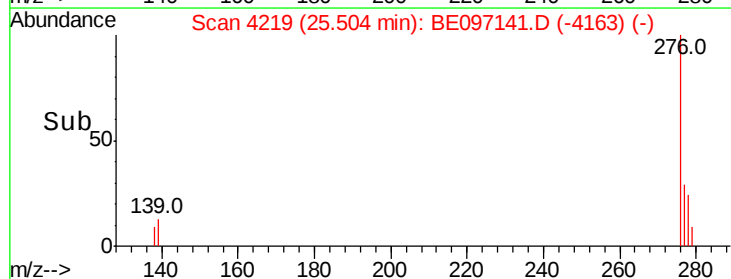
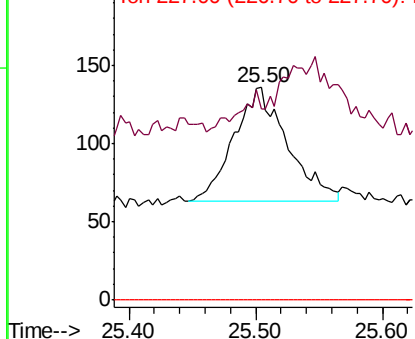
276 100

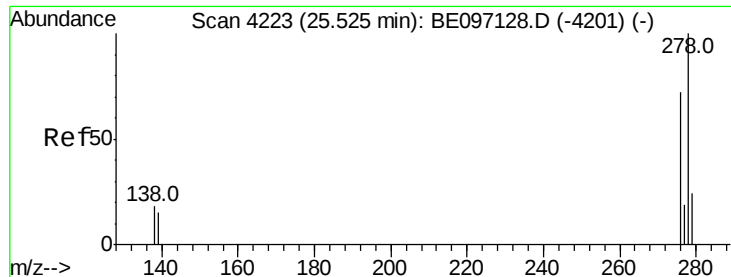
138 15.9 28.0 42.0#

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: 0.002 ng/ul

RT: 25.53 min Scan# 4227

Delta R.T. 0.01 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

Instrument :

BNA_E

ClientSampled :

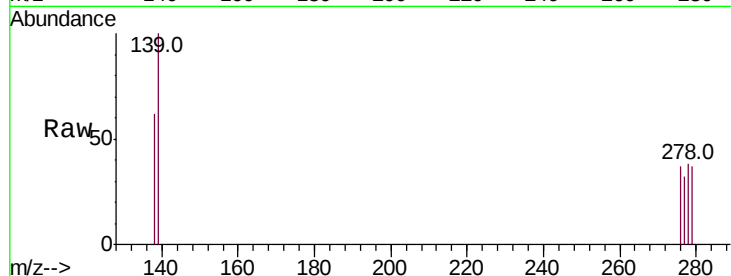
Tot Ion:278 Resp: 106

Ion Ratio Lower Upper

278 100

139 264.4 17.4 26.0#

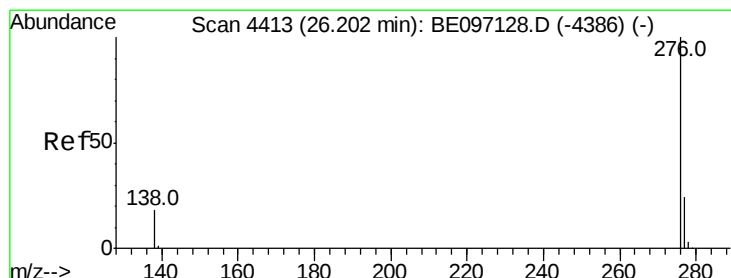
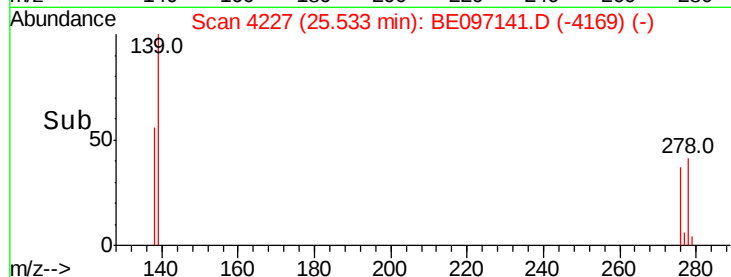
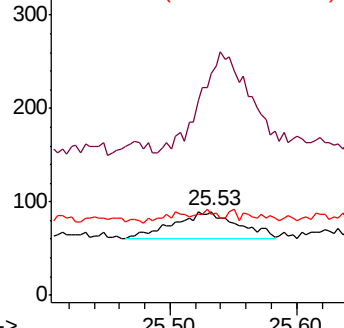
279 96.7 25.9 38.9#



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: 0.006 ng/ul

RT: 26.19 min Scan# 4412

Delta R.T. -0.01 min

Lab File: BE097141.D

Acq: 1 Aug 2018 22:32

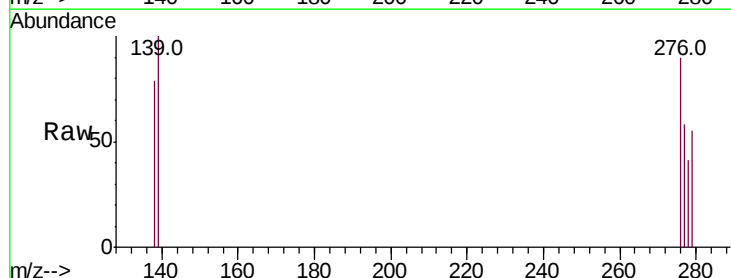
Tgt Ion:276 Resp: 276

Ion Ratio Lower Upper

276 100

138 88.0 21.8 32.8#

277 64.7 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

