

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE090718\
 Data File : BE097416.D
 Acq On : 7 Sep 2018 9:23
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 07 23:36:16 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 06 01:29:05 2018
 Response via : Initial Calibration

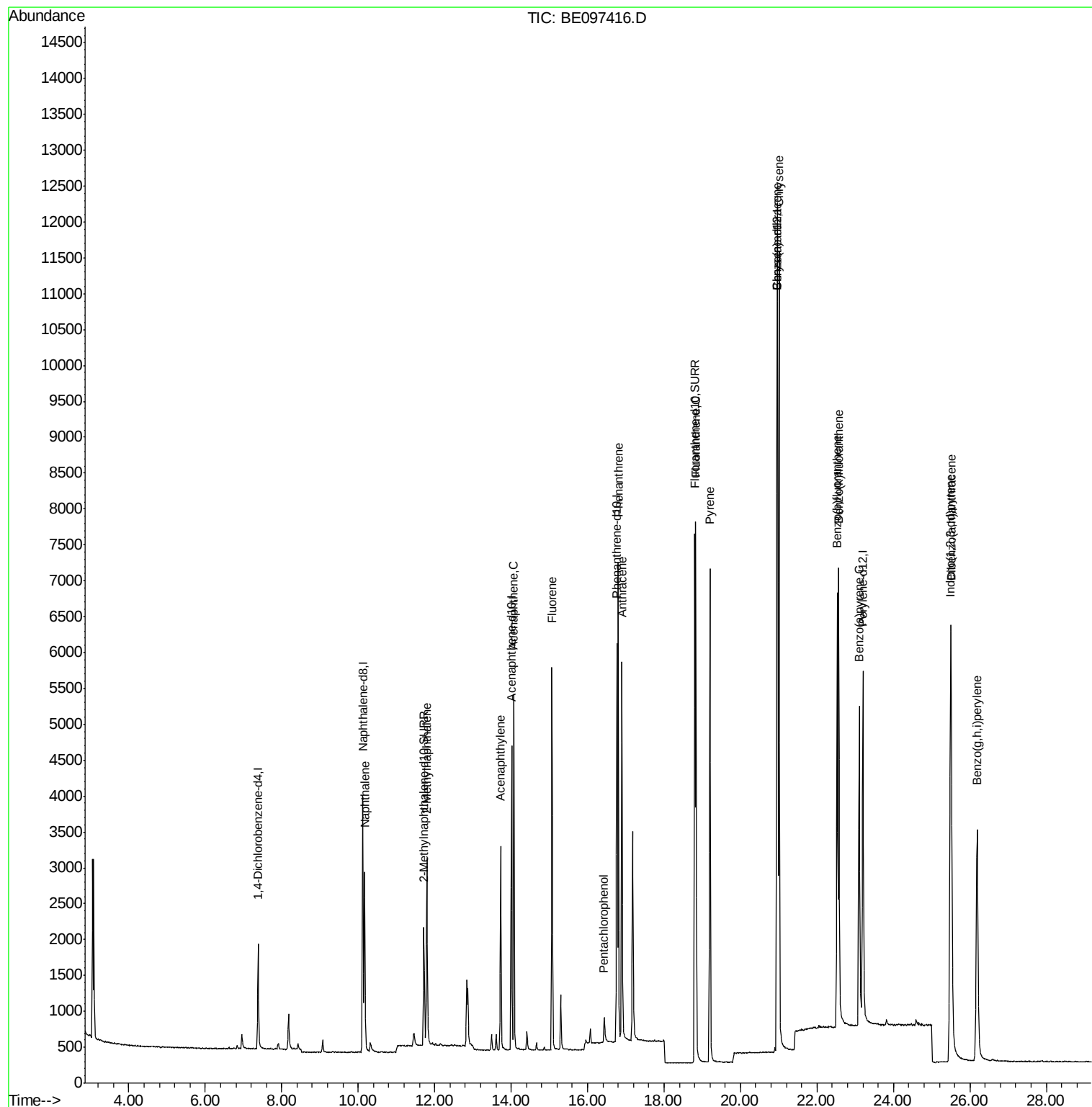
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	816	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	3989	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	2356	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	6990	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	7783	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	7022	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	2553	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	8733	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	3906	0.402	ng/ul#	94
5) 2-Methylnaphthalene	11.80	142	2532	0.412	ng/ul	97
7) Acenaphthylene	13.72	152	3508	0.409	ng/ul	98
8) Acenaphthene	14.07	153	2980	0.404	ng/ul	95
9) Fluorene	15.07	166	3491	0.413	ng/ul	94
11) Pentachlorophenol	16.44	266	252	0.366	ng/ul	97
12) Phenanthrene	16.80	178	7259	0.403	ng/ul#	90
13) Anthracene	16.90	178	6153	0.407	ng/ul#	91
15) Fluoranthene	18.83	202	8786	0.380	ng/ul	84
17) Pyrene	19.20	202	8510	0.406	ng/ul#	81
18) Benzo(a)anthracene	20.95	228	7961	0.398	ng/ul#	84
19) Chrysene	21.01	228	9426	0.409	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	7772	0.413	ng/ul	83
22) Benzo(k)fluoranthene	22.57	252	8483	0.405	ng/ul#	86
23) Benzo(a)pyrene	23.10	252	7107	0.409	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.49	276	9227	0.409	ng/ul#	75
25) Dibenzo(a,h)anthracene	25.51	278	7674	0.402	ng/ul#	87
26) Benzo(g,h,i)perylene	26.19	276	8023	0.417	ng/ul#	92

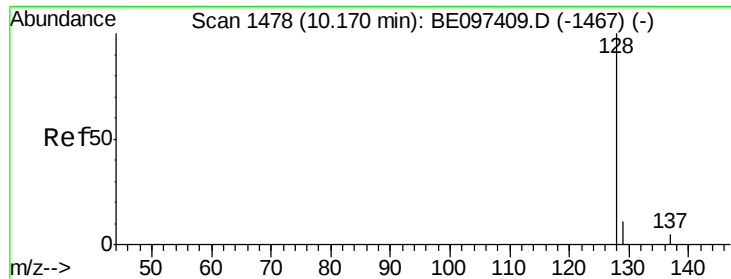
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.402 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

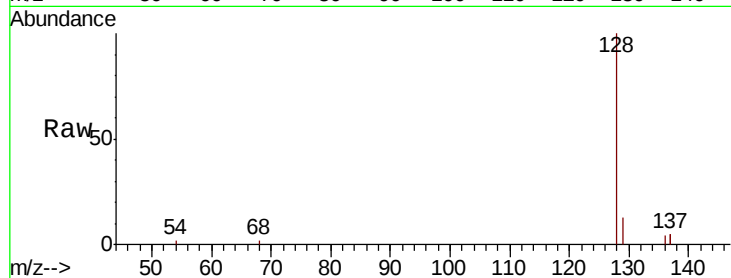
Tot Ion:128 Resp: 3906

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

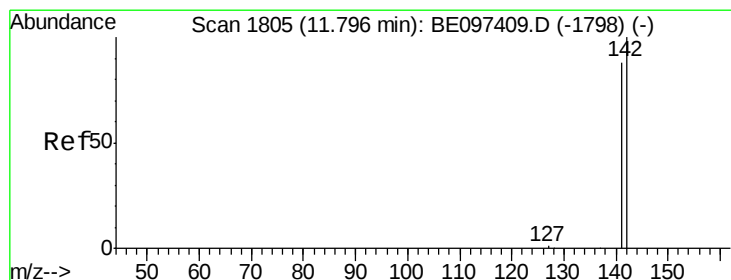
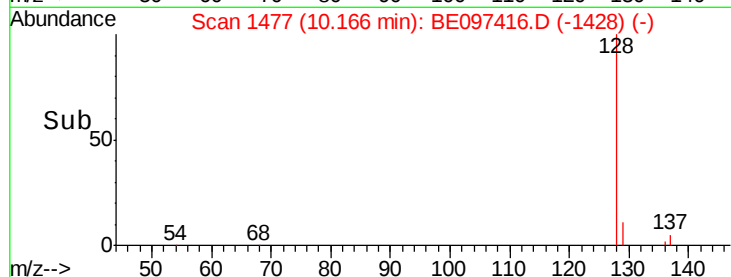
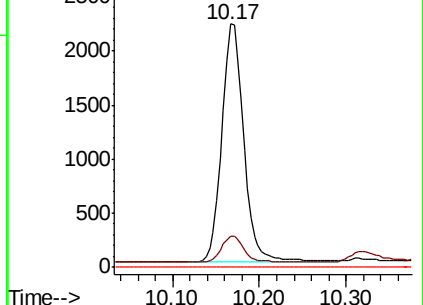
127 0.0 4.0 6.0#



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: 0.412 ng/ul

RT: 11.80 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BE097416.D

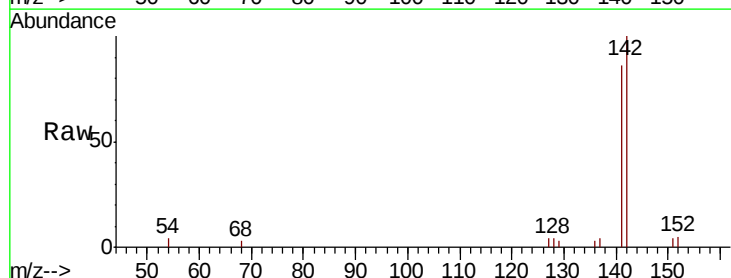
Acq: 7 Sep 2018 9:23

Tgt Ion:142 Resp: 2532

Ion Ratio Lower Upper

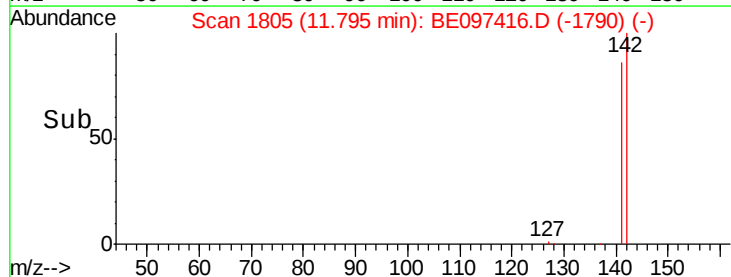
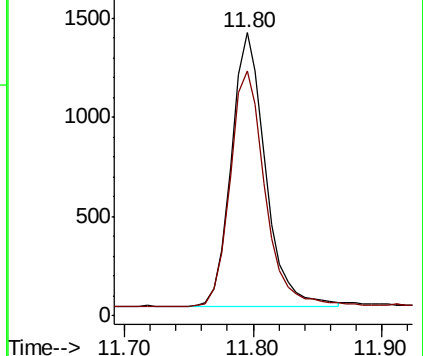
142 100

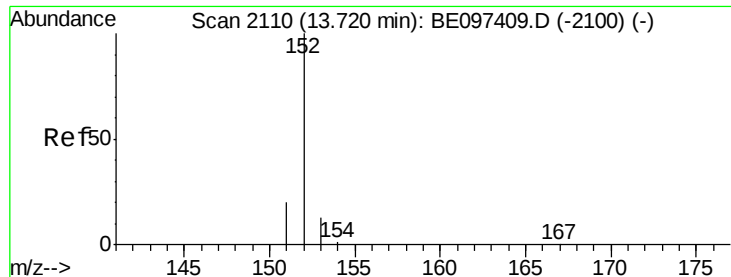
141 88.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.409 ng/ul

RT: 13.72 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

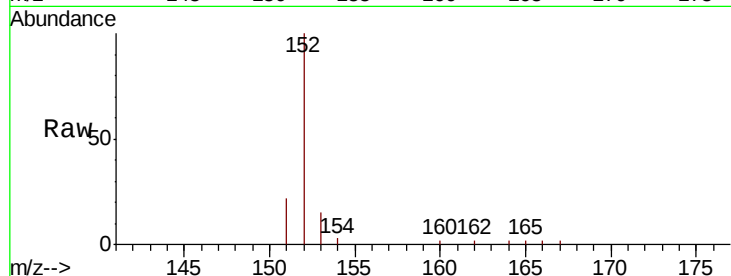
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 3508

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.1	25.7
153	14.7	12.8	19.2

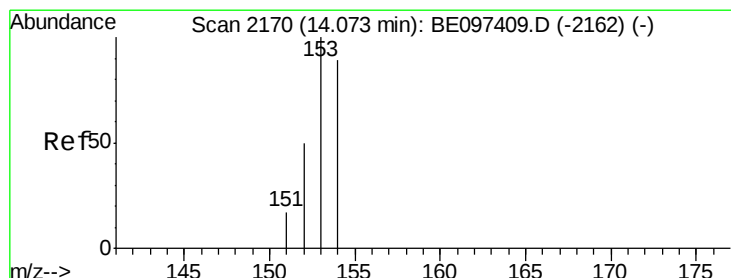
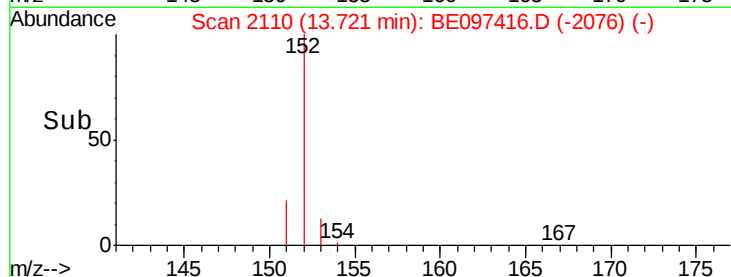
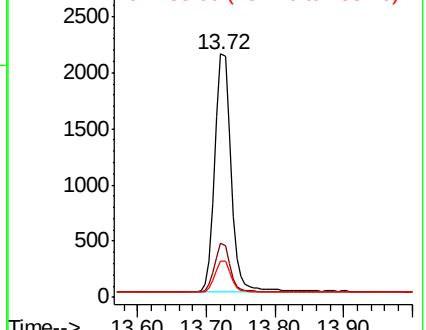


Abundance

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



#8

Acenaphthene

Concen: 0.404 ng/ul

RT: 14.07 min Scan# 2170

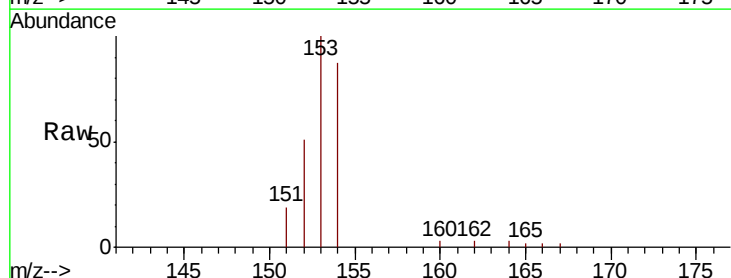
Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Tgt Ion:153 Resp: 2980

Ion	Ratio	Lower	Upper
153	100		
152	50.5	36.0	54.0
154	86.9	72.0	108.0

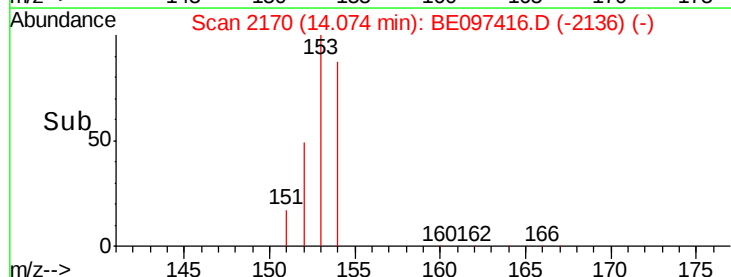
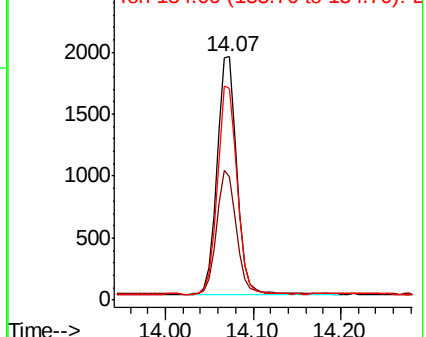


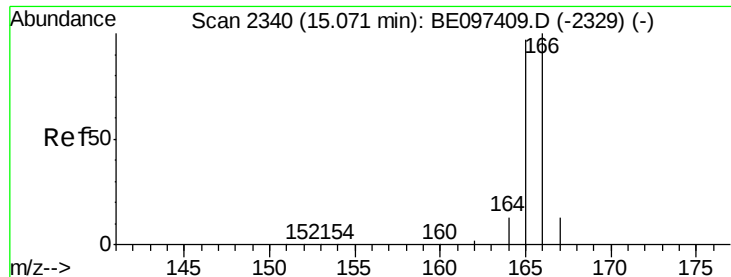
Abundance

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





#9

Fluorene

Concen: 0.413 ng/ul

RT: 15.07 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

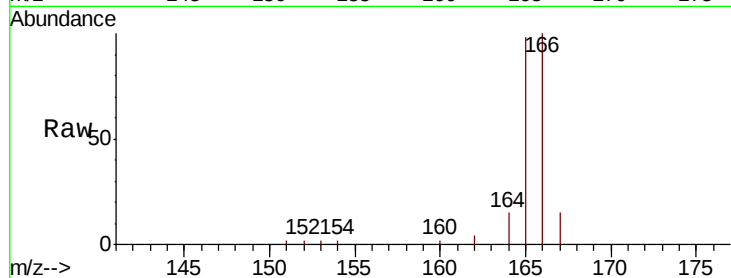
Tot Ion:166 Resp: 3491

Ion Ratio Lower Upper

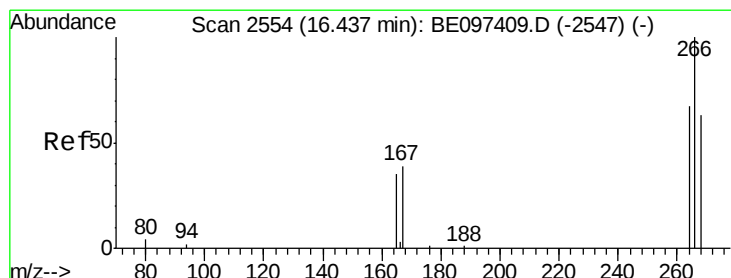
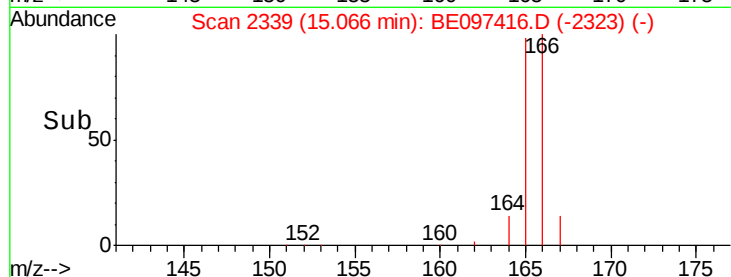
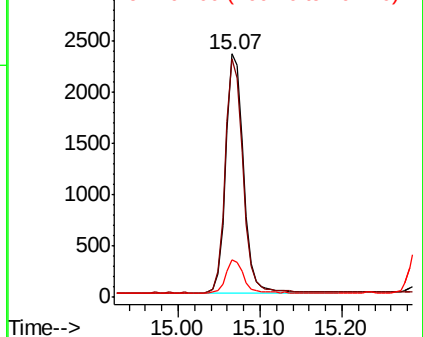
166 100

165 98.0 73.4 110.2

167 15.5 14.6 22.0



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: 0.366 ng/ul

RT: 16.44 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

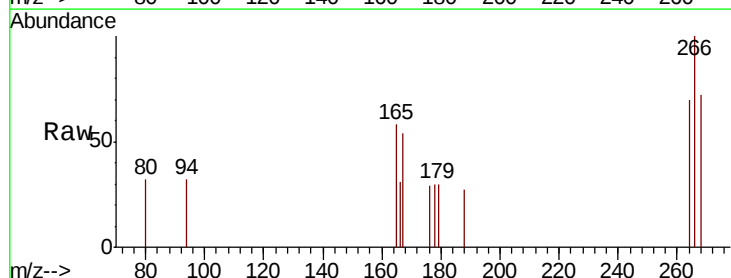
Tgt Ion:266 Resp: 252

Ion Ratio Lower Upper

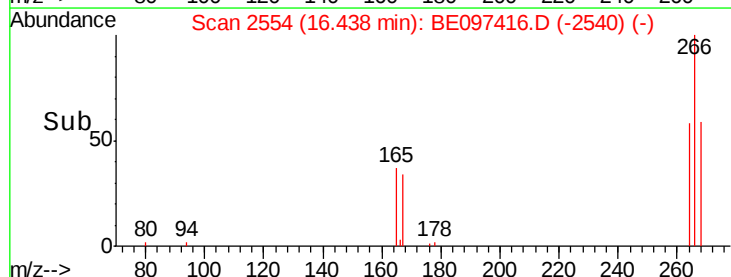
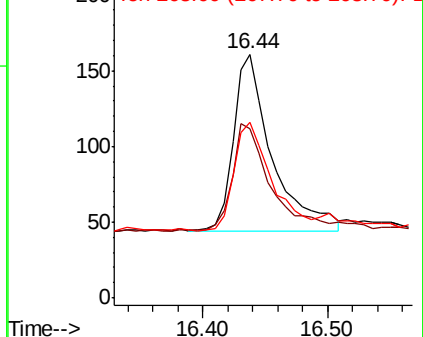
266 100

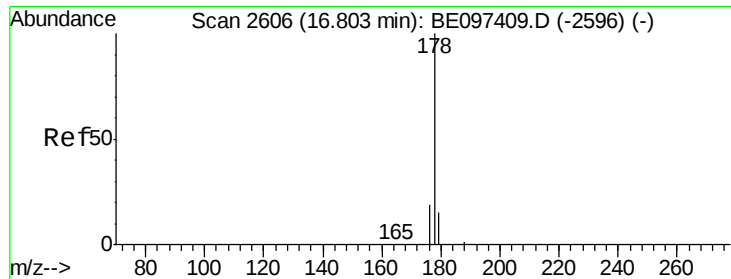
264 60.7 47.9 71.9

268 65.5 49.8 74.8



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: 0.403 ng/ul

RT: 16.80 min Scan# 2606

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

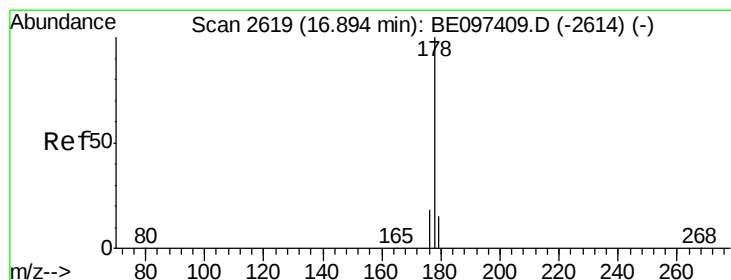
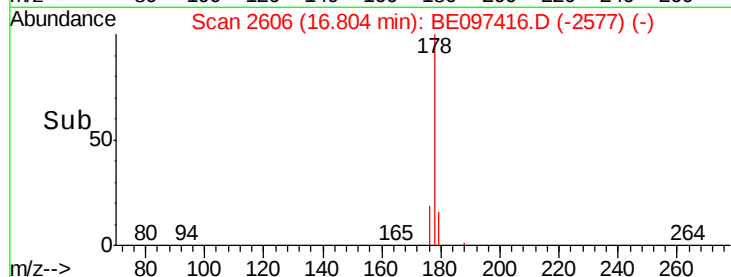
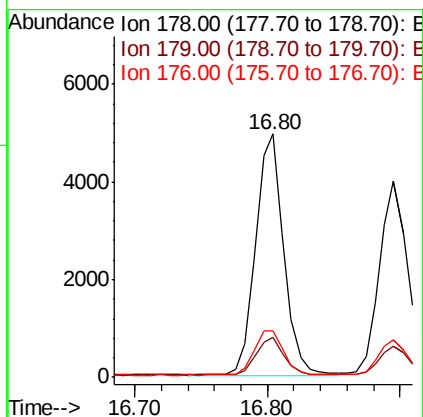
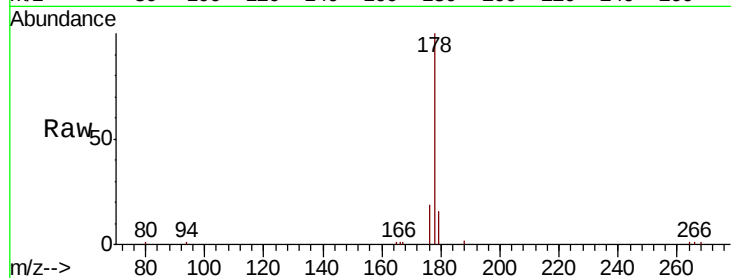
Tot Ion:178 Resp: 7259

Ion Ratio Lower Upper

178 100

179 16.4 18.4 27.6#

176 19.3 13.6 20.4



#13

Anthracene

Concen: 0.407 ng/ul

RT: 16.90 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

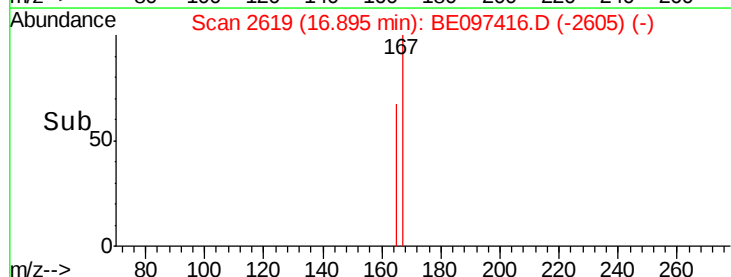
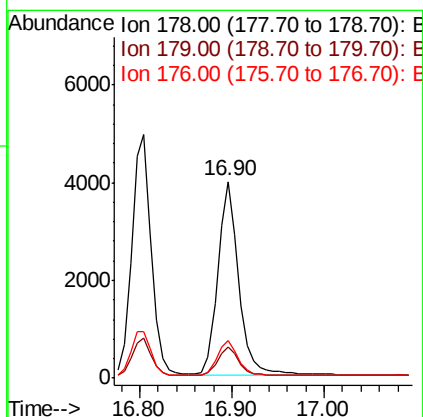
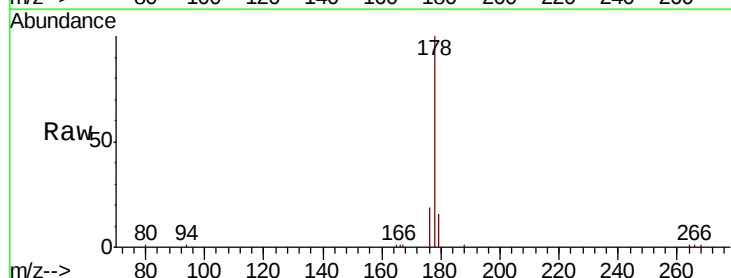
Tgt Ion:178 Resp: 6153

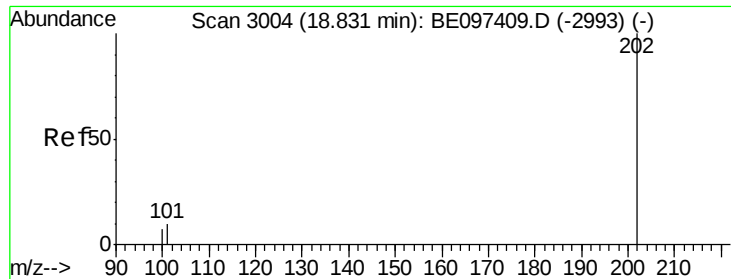
Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 19.2 14.7 22.1

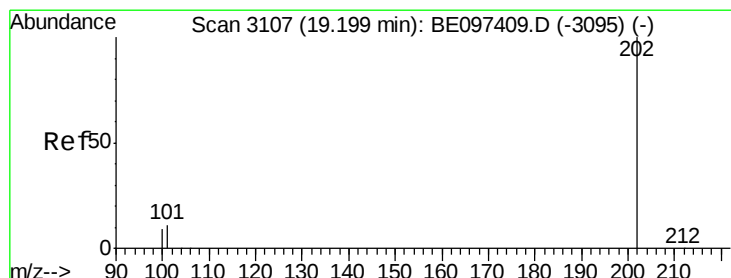
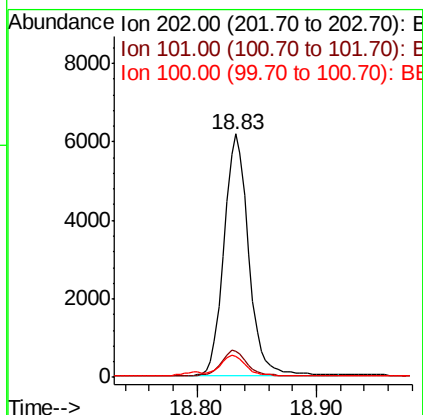
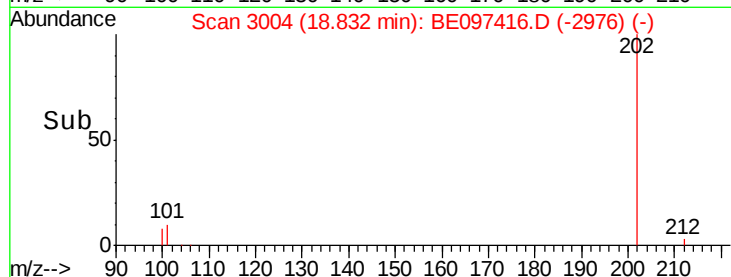
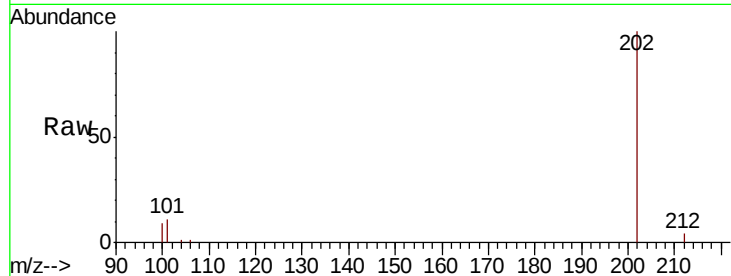




#15
Fluoranthene
 Concen: 0.380 ng/ul
 RT: 18.83 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: BE097416.D
 Acq: 7 Sep 2018 9:23

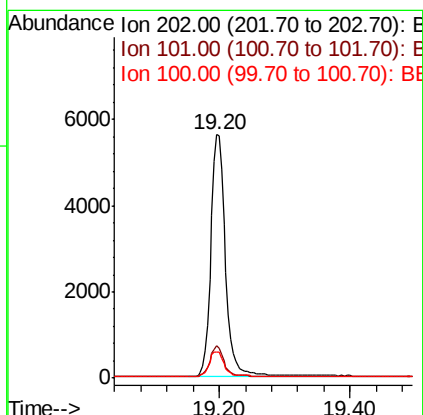
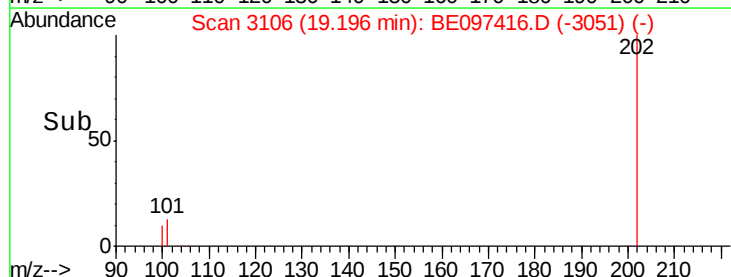
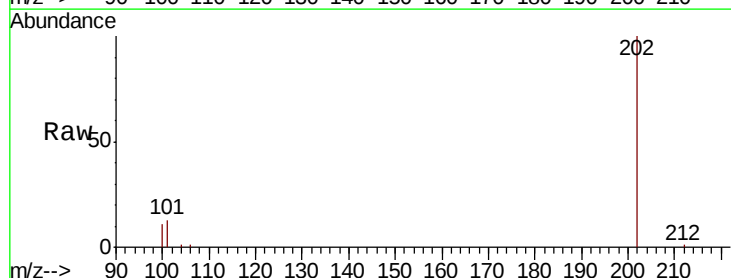
Instrument :
 BNA_E
 ClientSampleId :

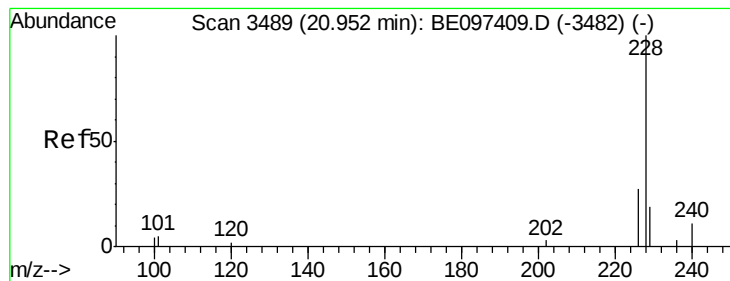
Tot Ion:202 Resp: 8786
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.3
 100 8.8 0.0 39.5



#17
Pyrene
 Concen: 0.406 ng/ul
 RT: 19.20 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BE097416.D
 Acq: 7 Sep 2018 9:23

Tgt Ion:202 Resp: 8510
 Ion Ratio Lower Upper
 202 100
 101 13.4 18.2 27.4#
 100 10.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.398 ng/ul

RT: 20.95 min Scan# 3489

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

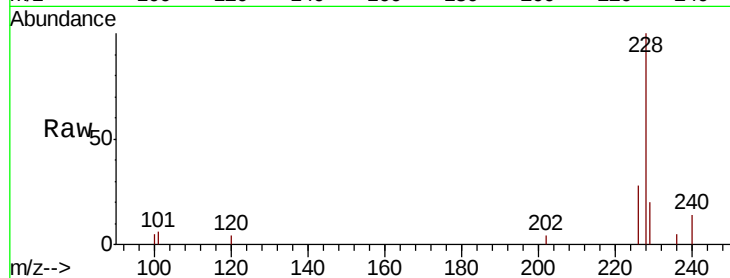
Tot Ion:228 Resp: 7961

Ion Ratio Lower Upper

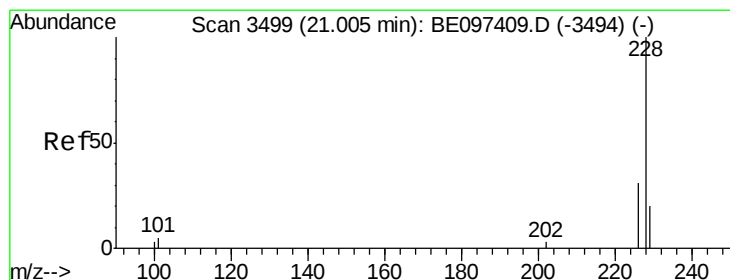
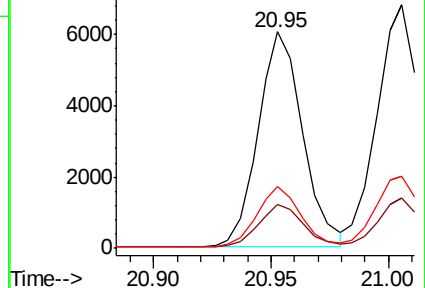
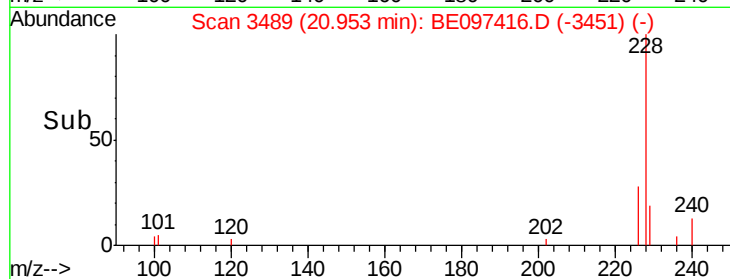
228 100

229 20.0 22.8 34.2#

226 28.4 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: 0.409 ng/ul

RT: 21.01 min Scan# 3499

Delta R.T. 0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

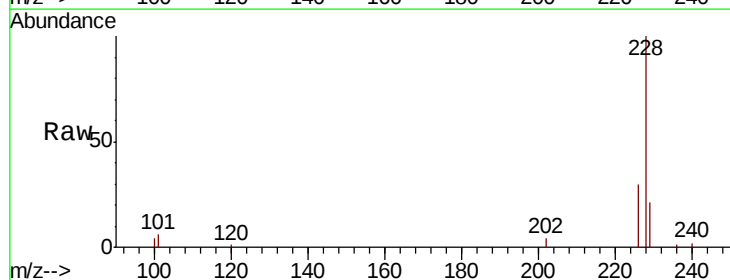
Tgt Ion:228 Resp: 9426

Ion Ratio Lower Upper

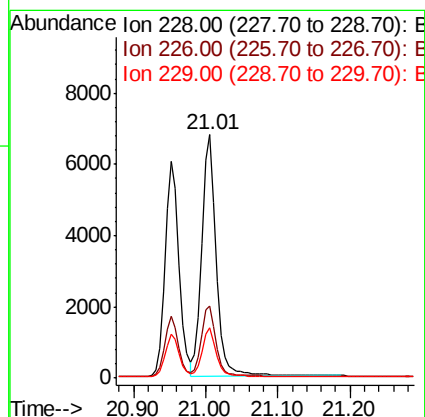
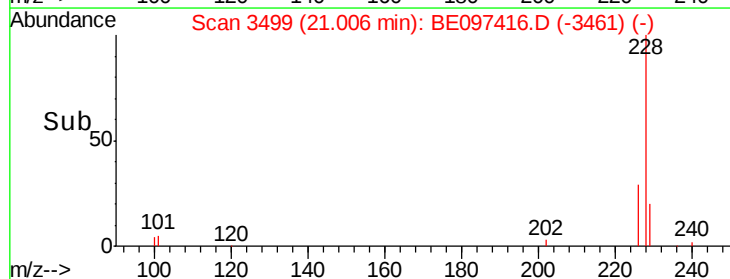
228 100

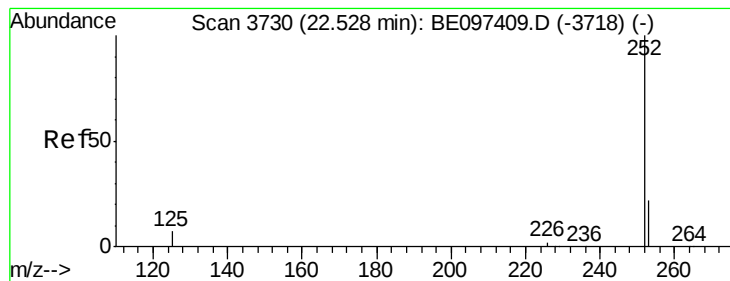
226 29.7 23.4 35.0

229 20.9 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: 0.413 ng/ul

RT: 22.53 min Scan# 3730

Delta R.T. -0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

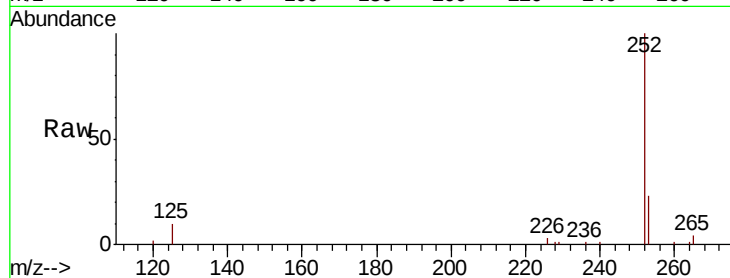
Tot Ion:252 Resp: 7772

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

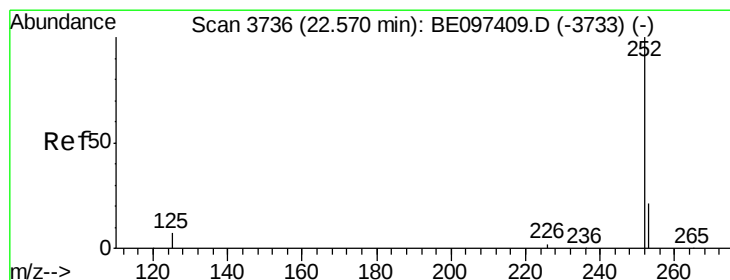
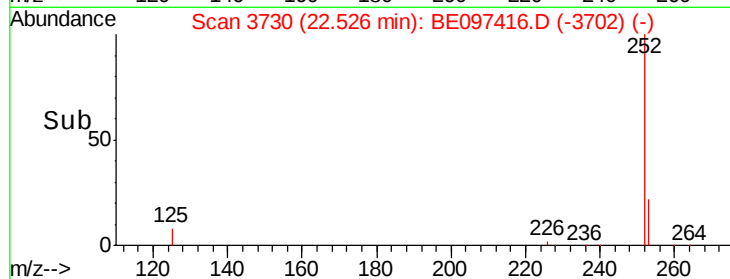
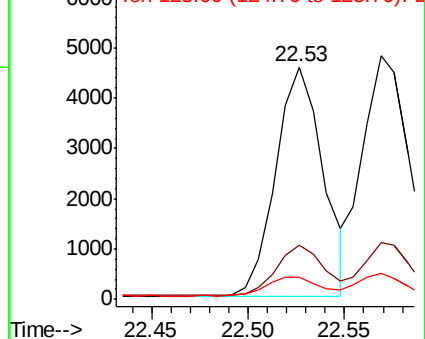
125 9.6 0.0 35.0



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: 0.405 ng/ul

RT: 22.57 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

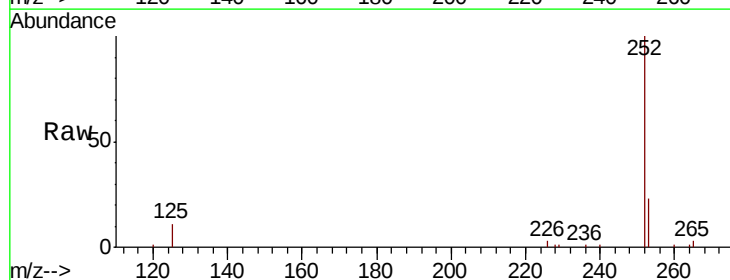
Tgt Ion:252 Resp: 8483

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

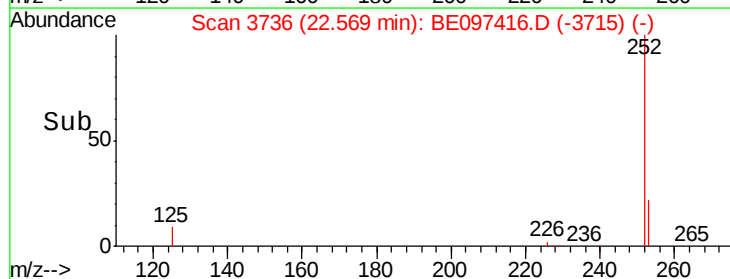
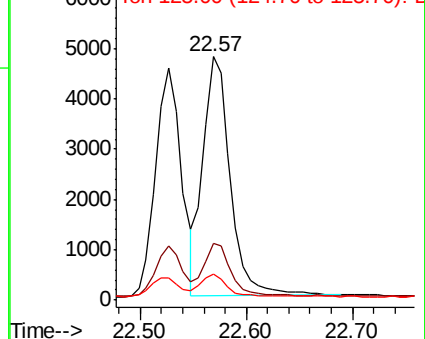
125 10.7 13.7 20.5#

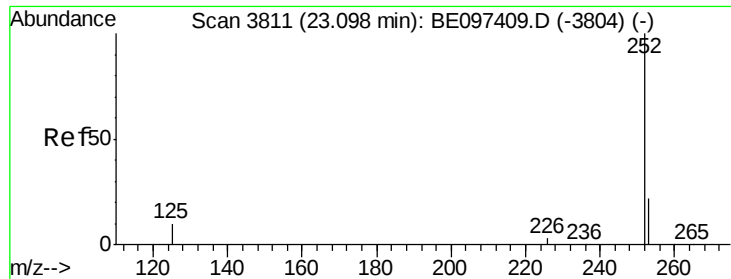


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/ul

RT: 23.10 min Scan# 3812

Delta R.T. 0.01 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

Instrument :

BNA_E

ClientSampleId :

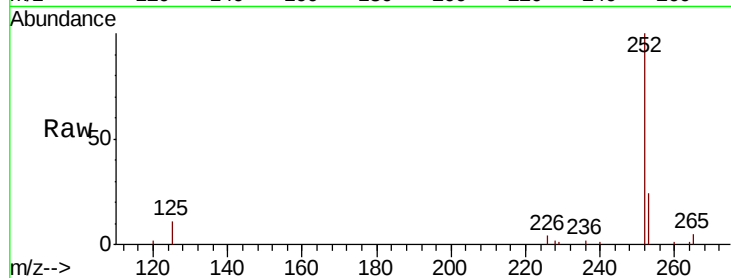
Tot Ion:252 Resp: 7107

Ion Ratio Lower Upper

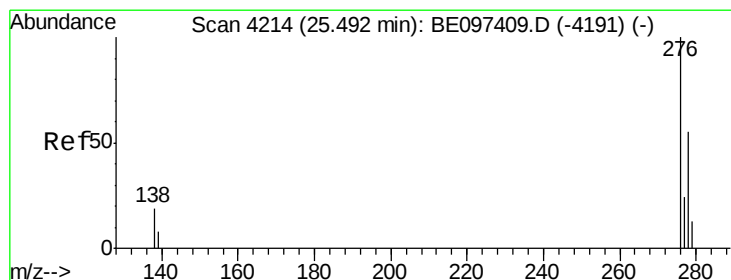
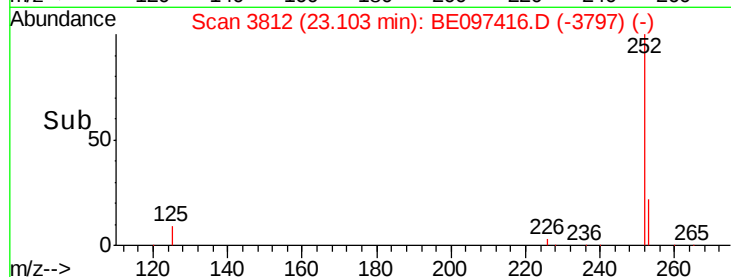
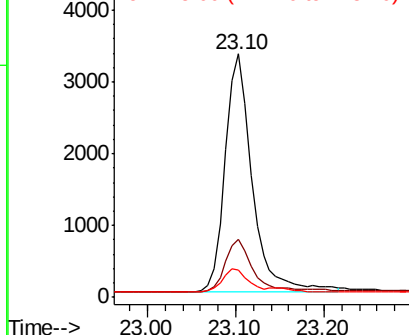
252 100

253 23.6 28.5 42.7#

125 11.1 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: 0.409 ng/ul

RT: 25.49 min Scan# 4213

Delta R.T. -0.00 min

Lab File: BE097416.D

Acq: 7 Sep 2018 9:23

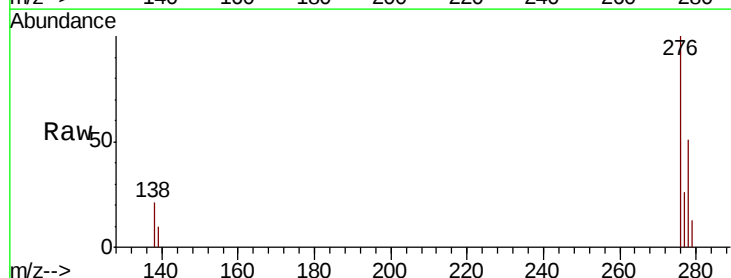
Tgt Ion:276 Resp: 9227

Ion Ratio Lower Upper

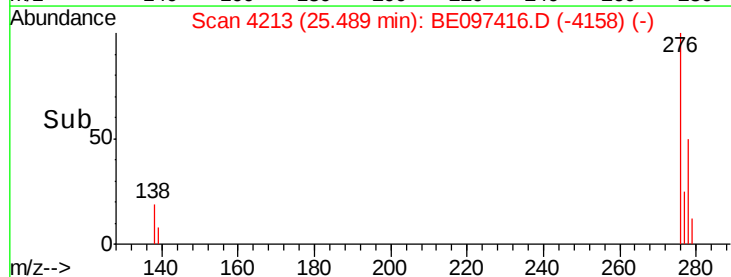
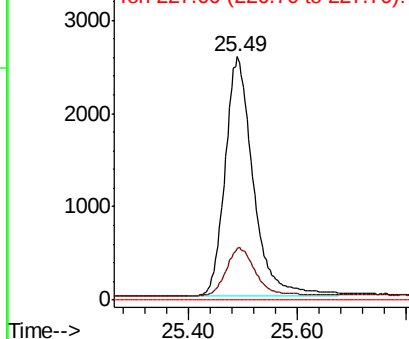
276 100

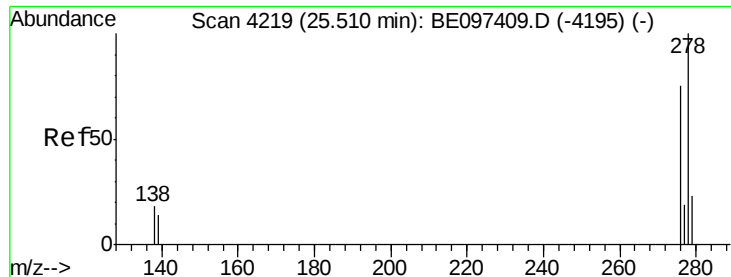
138 20.9 28.0 42.0#

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

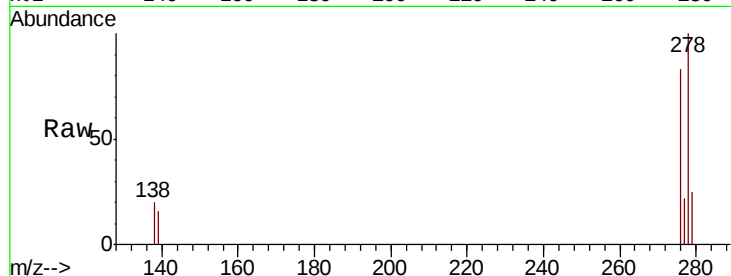




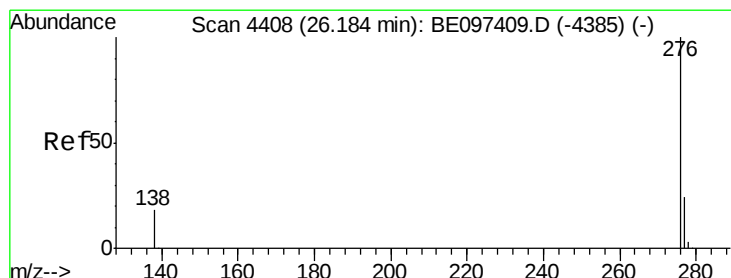
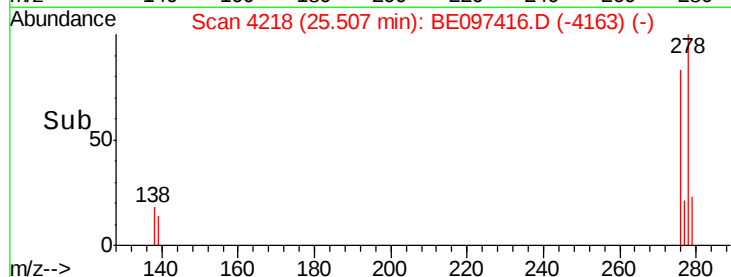
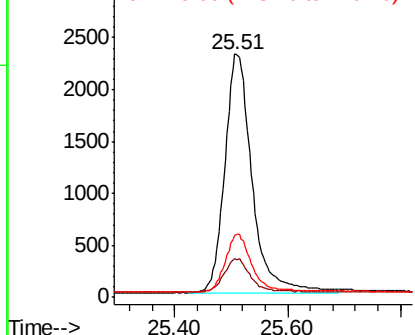
#25
Dibenzo(a,h)anthracene
Concen: 0.402 ng/ul
RT: 25.51 min Scan# 4218
Delta R.T. -0.00 min
Lab File: BE097416.D
Acq: 7 Sep 2018 9:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7674
Ion Ratio Lower Upper
278 100
139 15.8 17.4 26.0#
279 25.2 25.9 38.9#

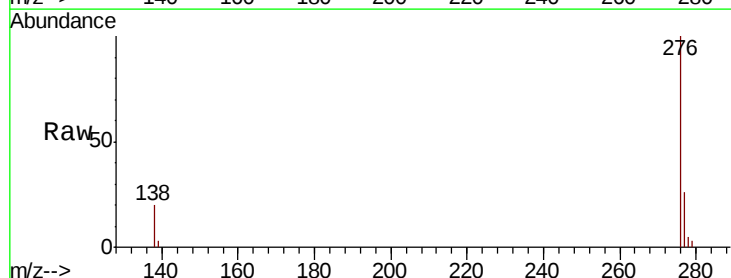


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.417 ng/ul
RT: 26.19 min Scan# 4409
Delta R.T. 0.00 min
Lab File: BE097416.D
Acq: 7 Sep 2018 9:23

Tgt Ion:276 Resp: 8023
Ion Ratio Lower Upper
276 100
138 19.5 21.8 32.8#
277 25.9 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

