

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081718\
 Data File : BE097329.D
 Acq On : 18 Aug 2018 12:01
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 20 04:11:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 18 05:45:47 2018
 Response via : Initial Calibration

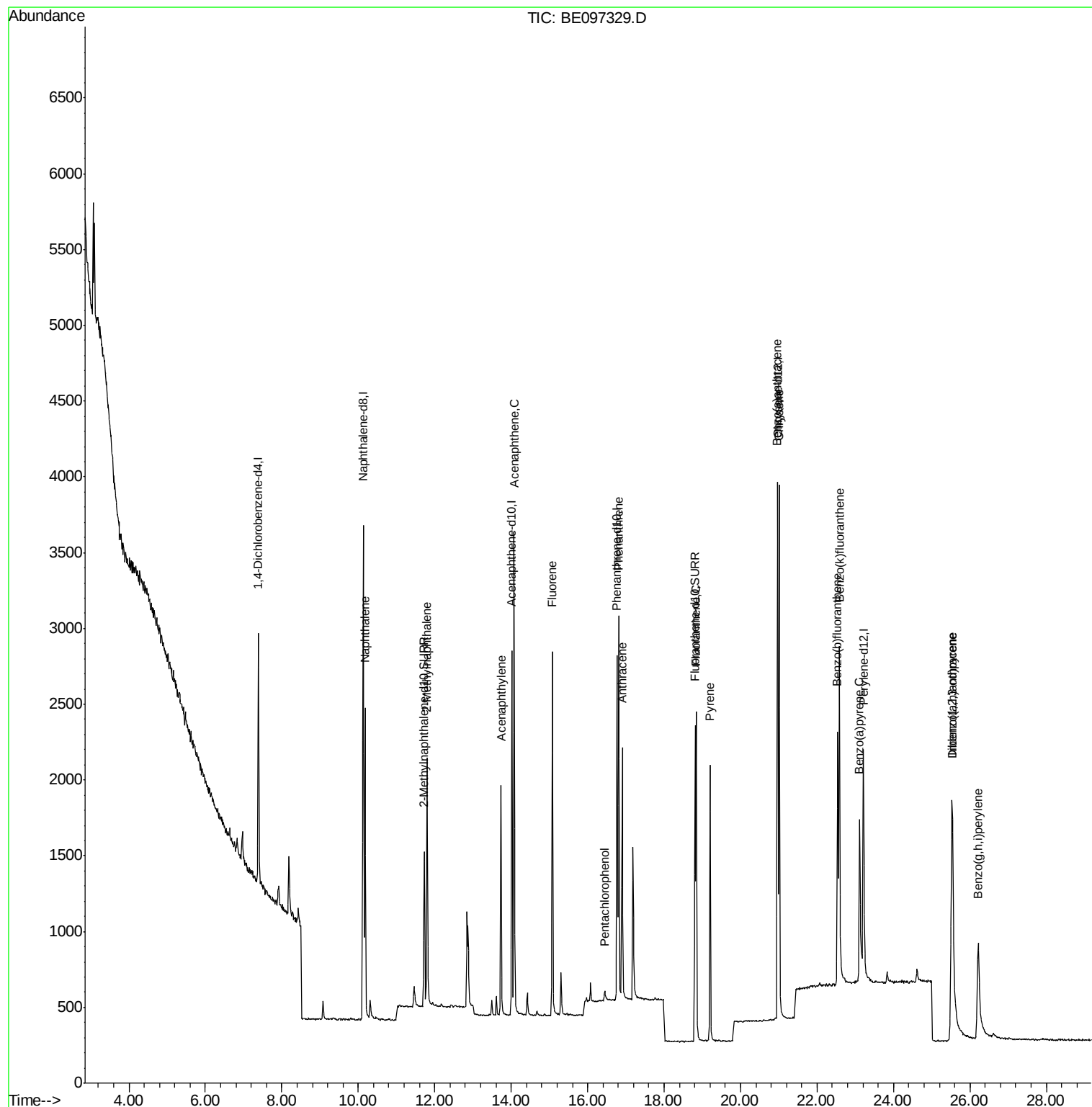
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	843	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	3520	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	1097	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	2820	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	2619	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	2329	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	1497	0.27	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	2426	0.32	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	3132	0.365	ng/ul#	94
5) 2-Methylnaphthalene	11.80	142	1504	0.272	ng/ul	100
7) Acenaphthylene	13.73	152	1858	0.375	ng/ul	99
8) Acenaphthene	14.08	153	1553	0.436	ng/ul#	69
9) Fluorene	15.08	166	1559	0.402	ng/ul	89
11) Pentachlorophenol	16.45	266	50	0.273	ng/ul#	78
12) Phenanthrene	16.81	178	2805	0.385	ng/ul#	88
13) Anthracene	16.90	178	1953	0.320	ng/ul	92
15) Fluoranthene	18.84	202	2601	0.336	ng/ul	86
17) Pyrene	19.21	202	2084	0.263	ng/ul#	85
18) Benzo(a)anthracene	20.96	228	2165	0.333	ng/ul#	86
19) Chrysene	21.01	228	2874	0.371	ng/ul	95
21) Benzo(b)fluoranthene	22.53	252	2170	0.344	ng/ul	90
22) Benzo(k)fluoranthene	22.58	252	3212	0.410	ng/ul	92
23) Benzo(a)pyrene	23.11	252	2024	0.347	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.53	276	2967	0.409	ng/ul#	74
25) Dibenzo(a,h)anthracene	25.54	278	2458	0.419	ng/ul	97
26) Benzo(g,h,i)perylene	26.22	276	2158	0.372	ng/ul#	95

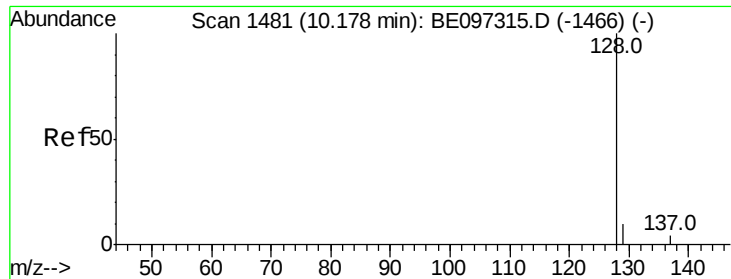
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.365 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

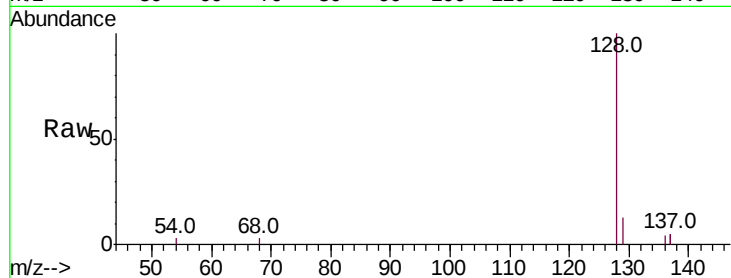
Tot Ion:128 Resp: 3132

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

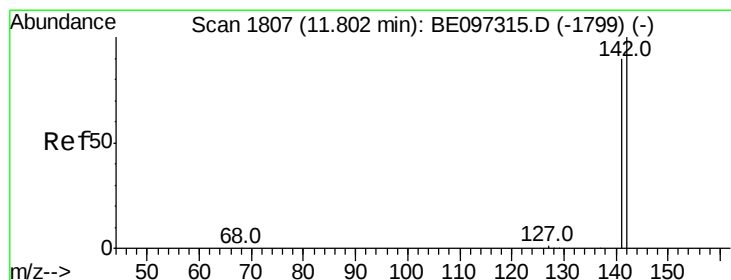
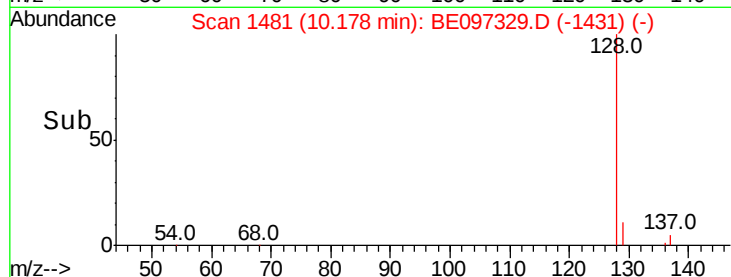
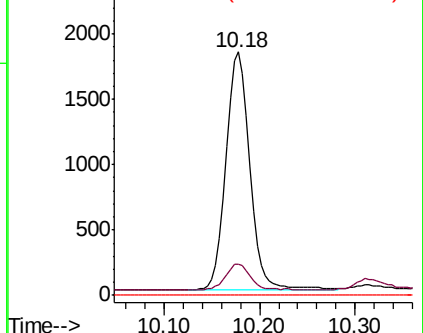
127 0.0 4.0 6.0#



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: 0.272 ng/ul

RT: 11.80 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BE097329.D

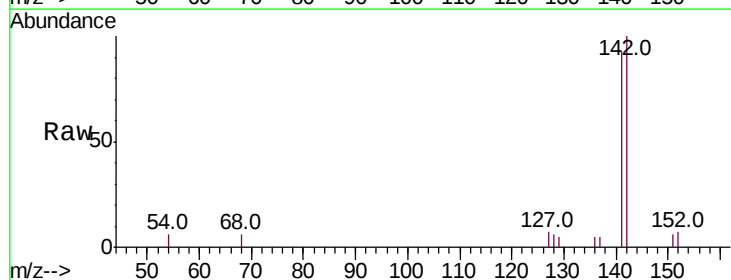
Acq: 18 Aug 2018 12:01

Tgt Ion:142 Resp: 1504

Ion Ratio Lower Upper

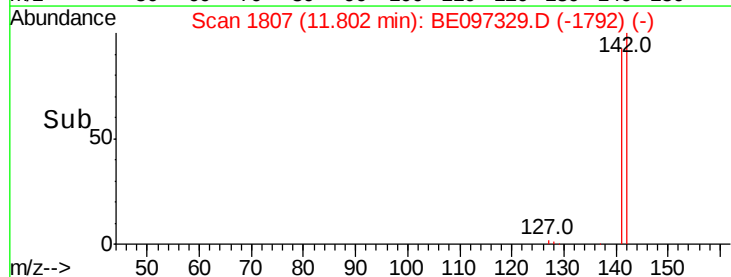
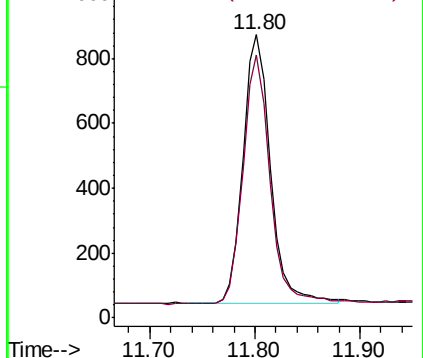
142 100

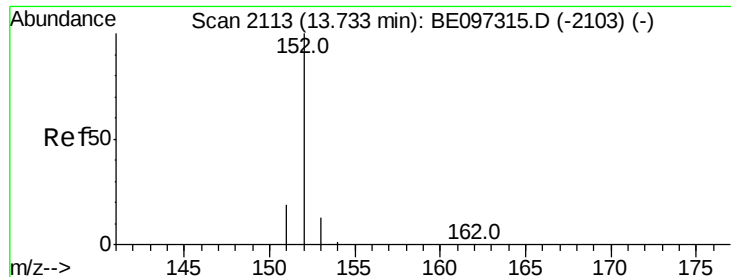
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.375 ng/ul

RT: 13.73 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

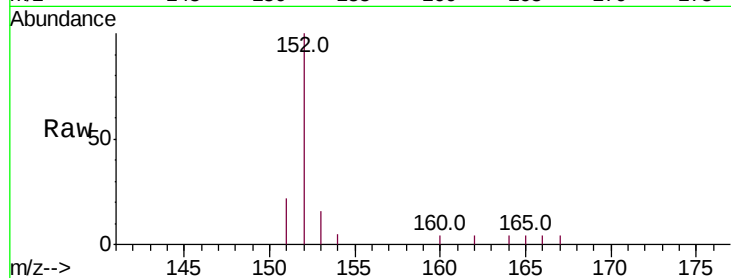
Tot Ion:152 Resp: 1858

Ion Ratio Lower Upper

152 100

151 22.3 17.1 25.7

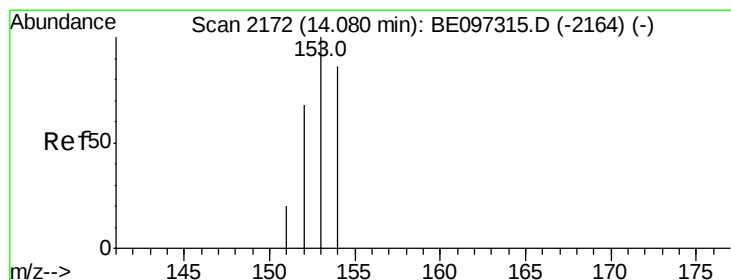
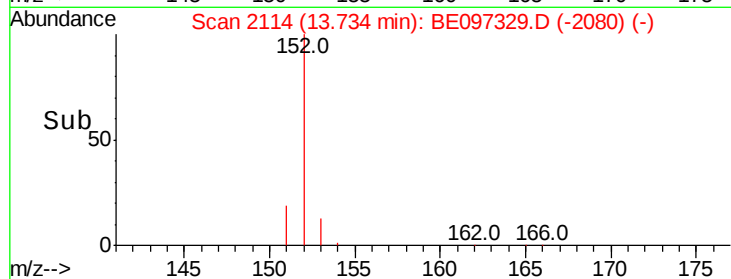
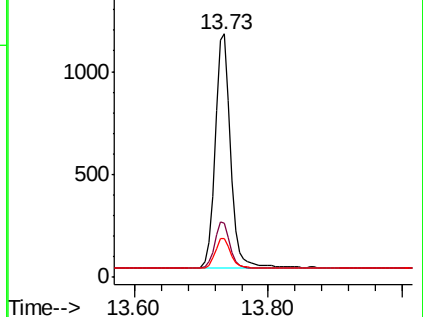
153 16.2 12.8 19.2



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: 0.436 ng/ul

RT: 14.08 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

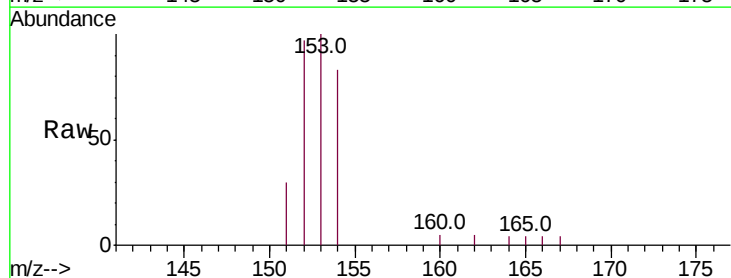
Tgt Ion:153 Resp: 1553

Ion Ratio Lower Upper

153 100

152 97.4 36.0 54.0#

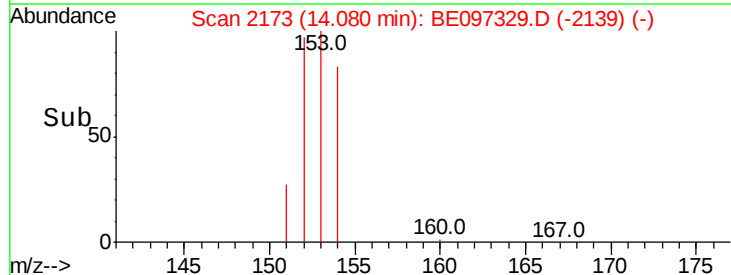
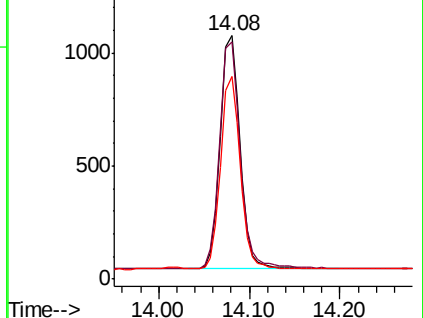
154 83.4 72.0 108.0

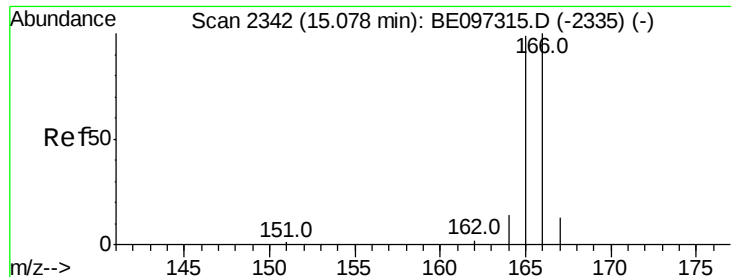


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.402 ng/ul

RT: 15.08 min Scan# 2343

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

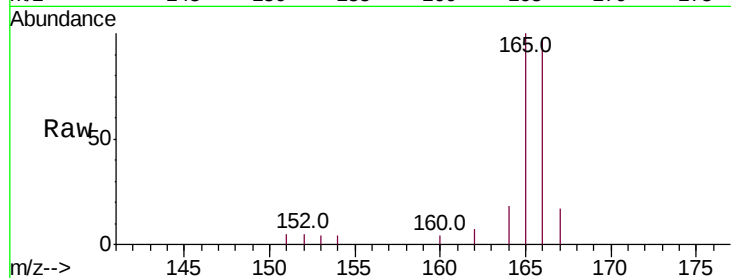
Tot Ion:166 Resp: 1559

Ion Ratio Lower Upper

166 100

165 103.3 73.4 110.2

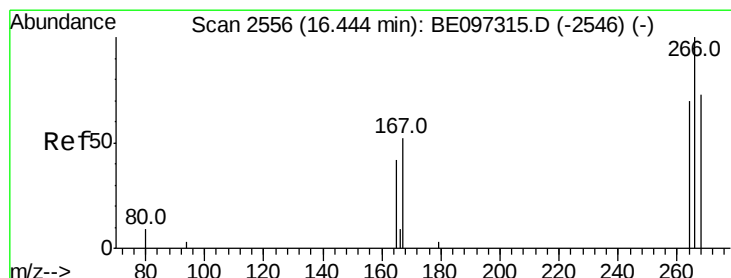
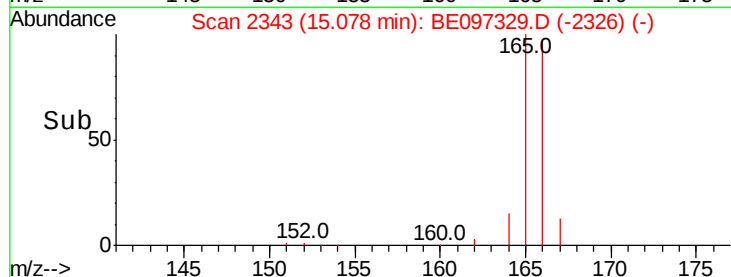
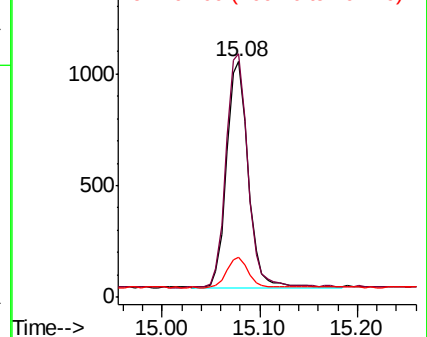
167 17.2 14.6 22.0



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: 0.273 ng/ul

RT: 16.45 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

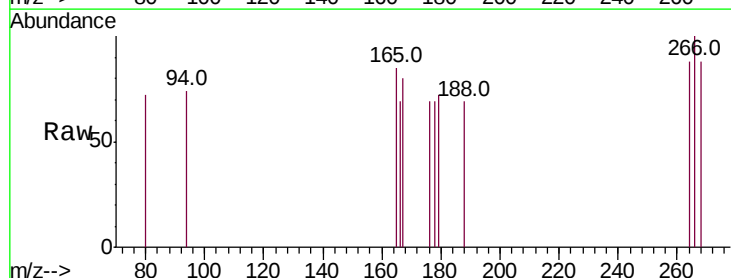
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

266 100

264 74.0 47.9 71.9#

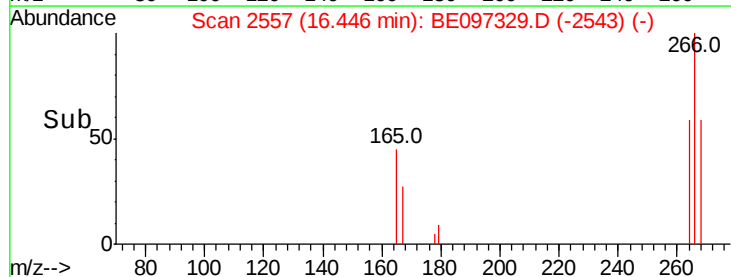
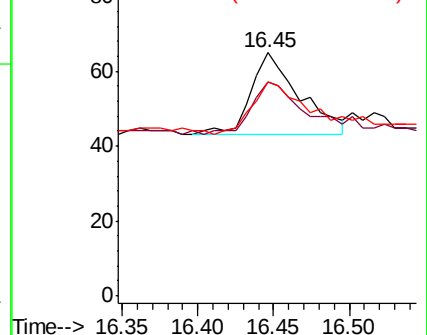
268 82.0 49.8 74.8#

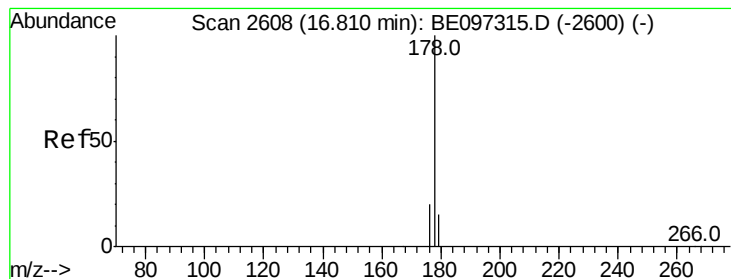


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.385 ng/ul

RT: 16.81 min Scan# 2609

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

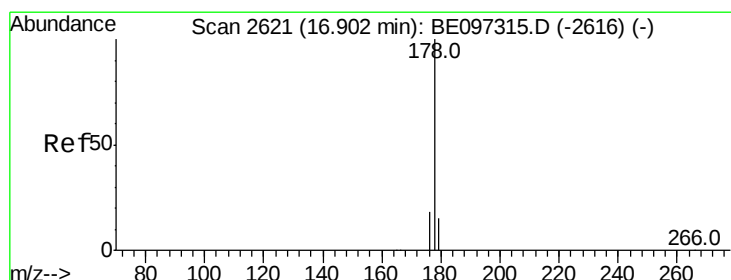
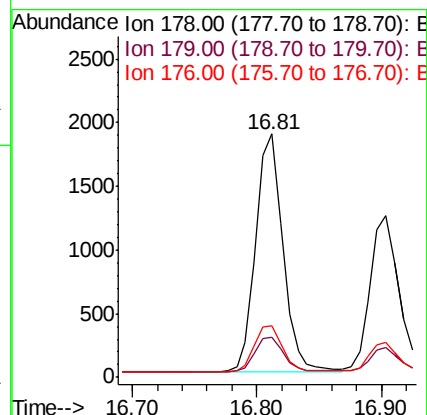
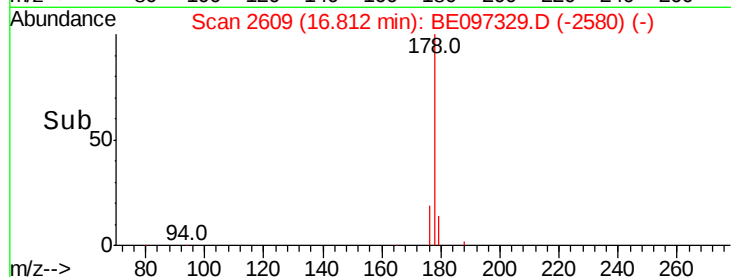
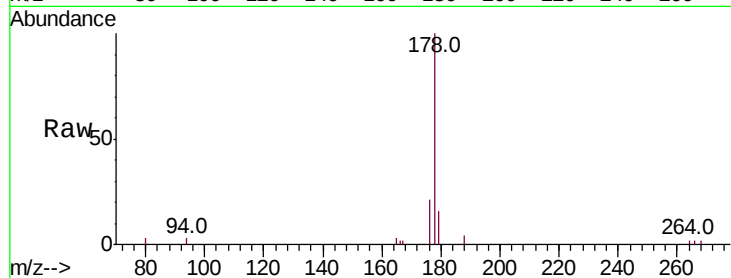
Tot Ion:178 Resp: 2805

Ion Ratio Lower Upper

178 100

179 16.4 18.4 27.6#

176 21.0 13.6 20.4#



#13

Anthracene

Concen: 0.320 ng/ul

RT: 16.90 min Scan# 2622

Delta R.T. 0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

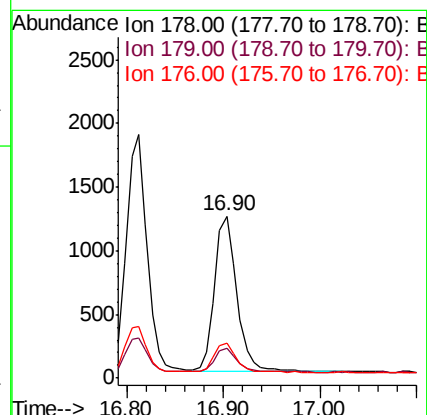
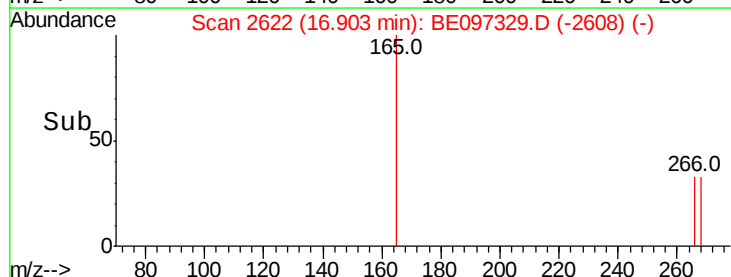
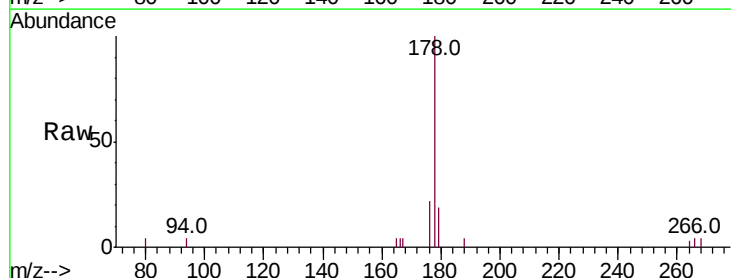
Tgt Ion:178 Resp: 1953

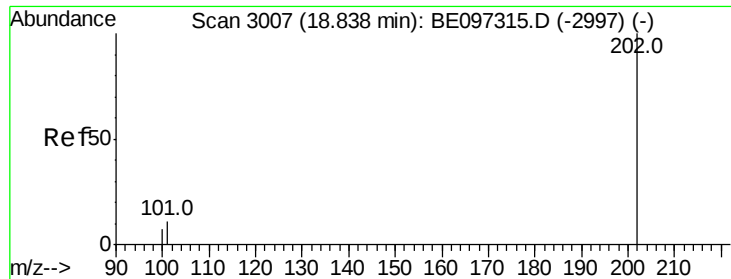
Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

176 22.0 14.7 22.1

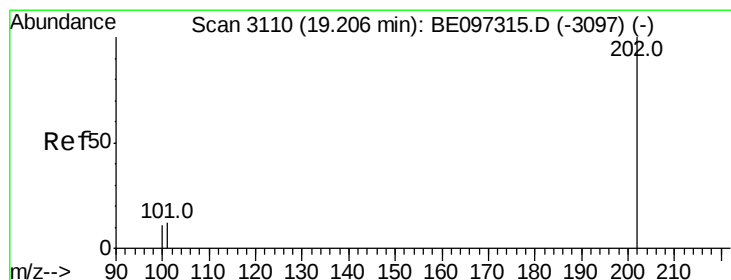
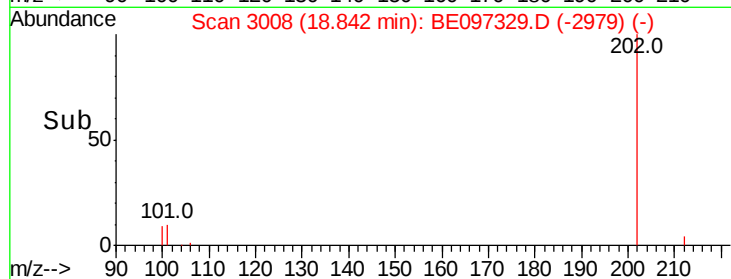
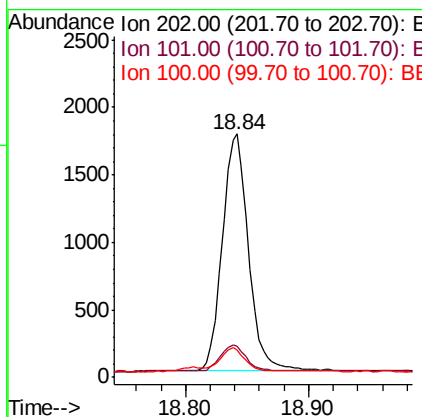
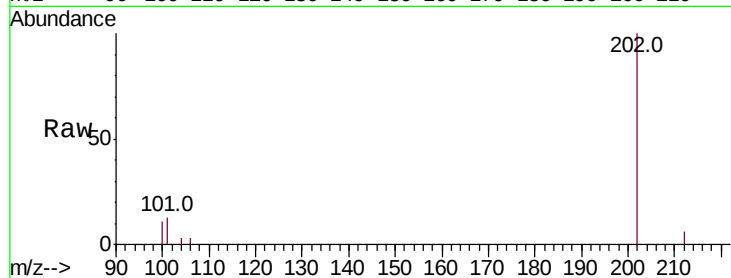




#15
Fluoranthene
 Concen: 0.336 ng/ul
 RT: 18.84 min Scan# 3008
 Delta R.T. 0.00 min
 Lab File: BE097329.D
 Acq: 18 Aug 2018 12:01

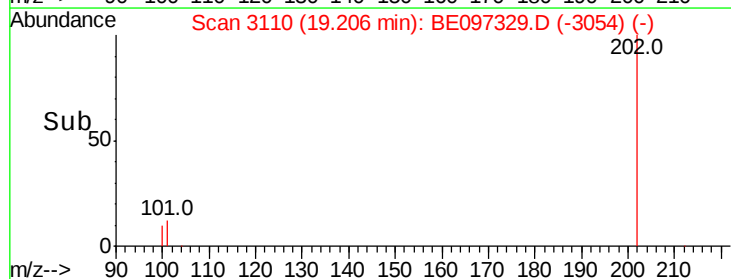
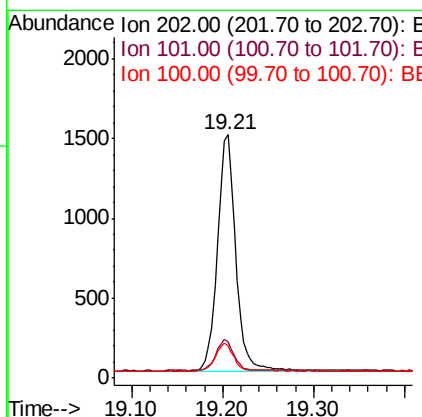
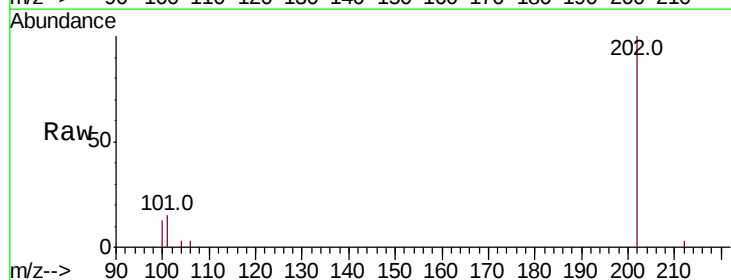
Instrument :
 BNA_E
 ClientSampleId :

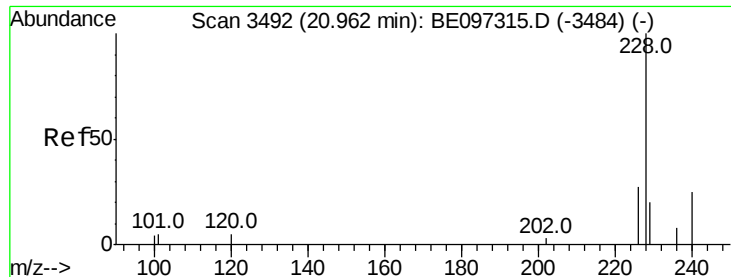
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	30.3
100	11.3	0.0	39.5



#17
Pyrene
 Concen: 0.263 ng/ul
 RT: 19.21 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: BE097329.D
 Acq: 18 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	18.2	27.4#
100	13.1	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.333 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. -0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

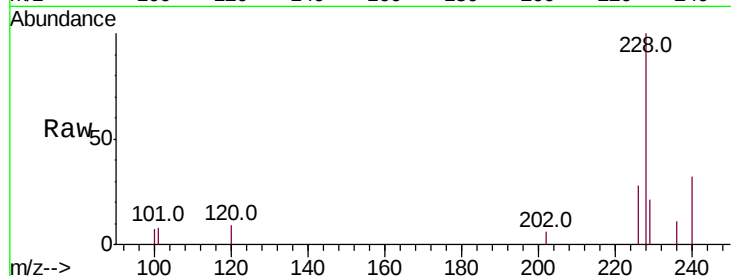
Tot Ion:228 Resp: 2165

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

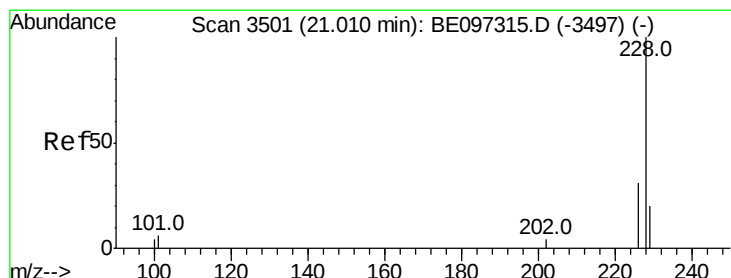
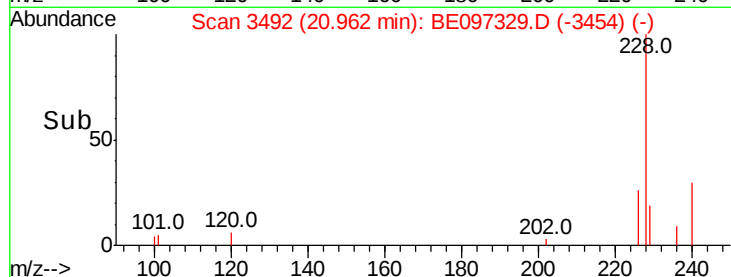
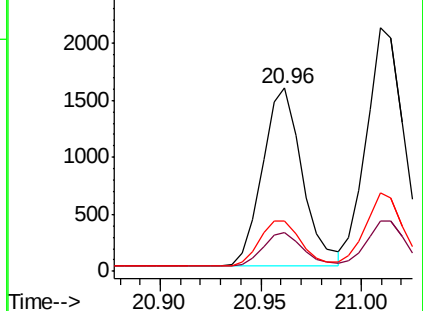
226 27.8 17.0 25.6#



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: 0.371 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

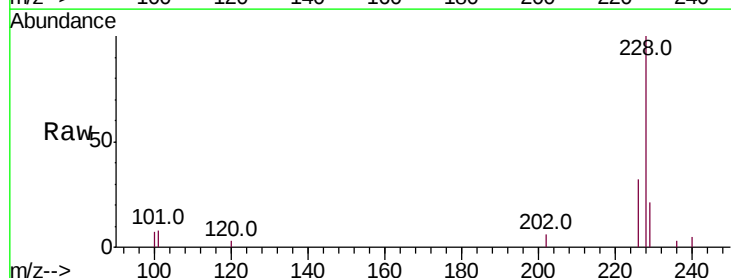
Tgt Ion:228 Resp: 2874

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

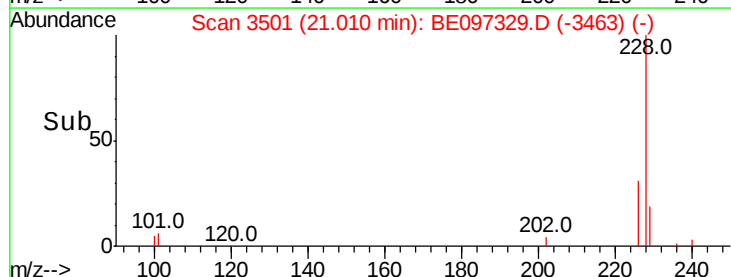
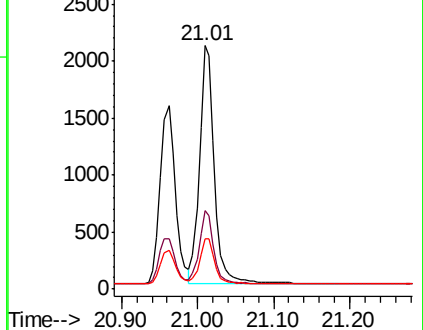
229 20.6 17.7 26.5

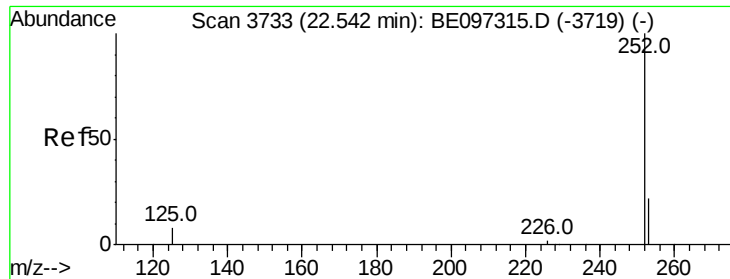


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.344 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

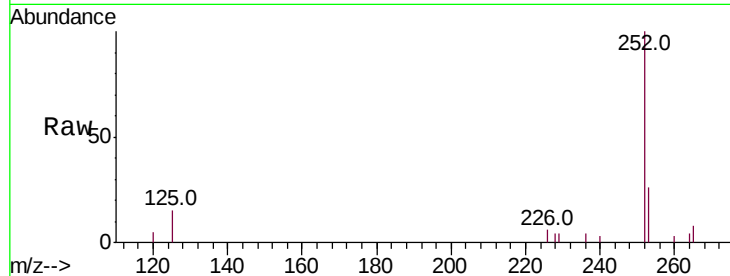
Tot Ion:252 Resp: 2170

Ion Ratio Lower Upper

252 100

253 25.8 0.0 64.2

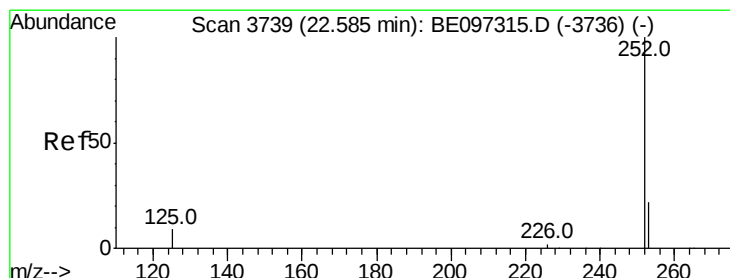
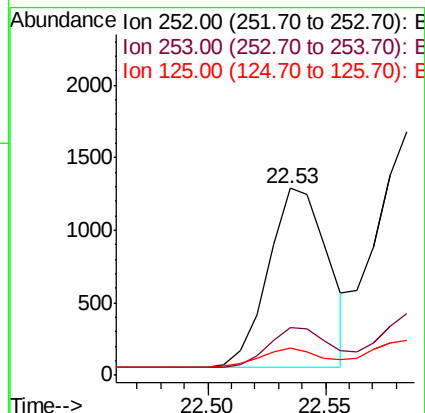
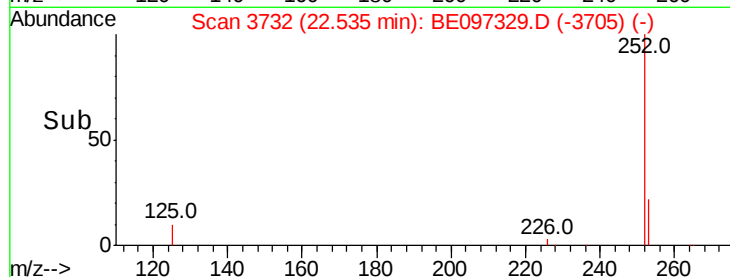
125 14.6 0.0 35.0



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: 0.410 ng/ul

RT: 22.58 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

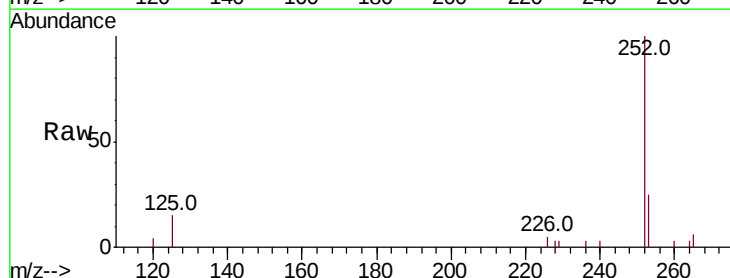
Tgt Ion:252 Resp: 3212

Ion Ratio Lower Upper

252 100

253 25.3 24.5 36.7

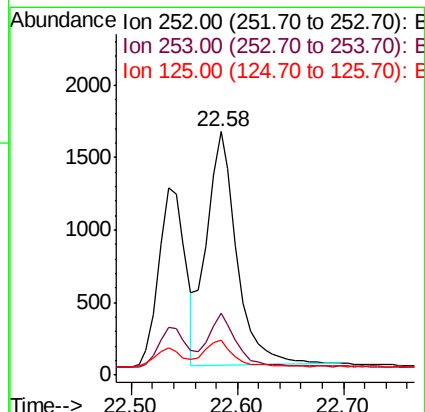
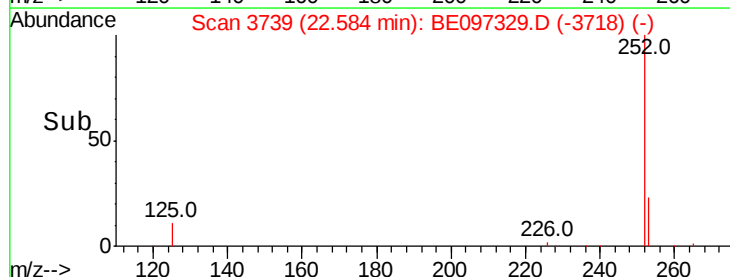
125 14.6 13.7 20.5

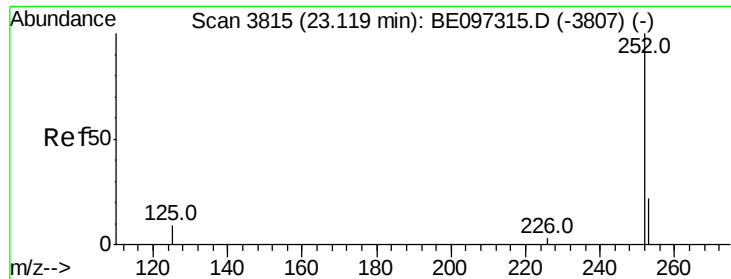


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.347 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. -0.01 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

Instrument :

BNA_E

ClientSampleId :

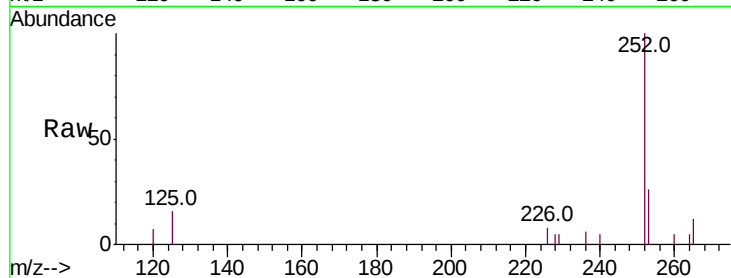
Tot Ion:252 Resp: 2024

Ion Ratio Lower Upper

252 100

253 25.8 28.5 42.7#

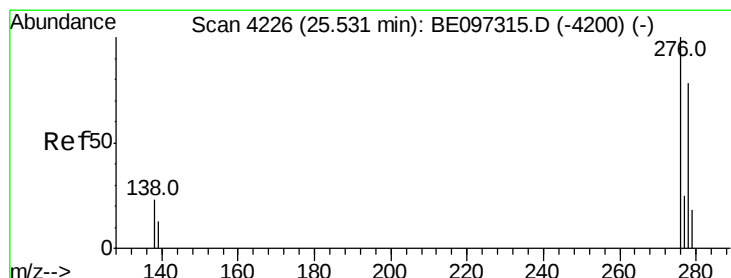
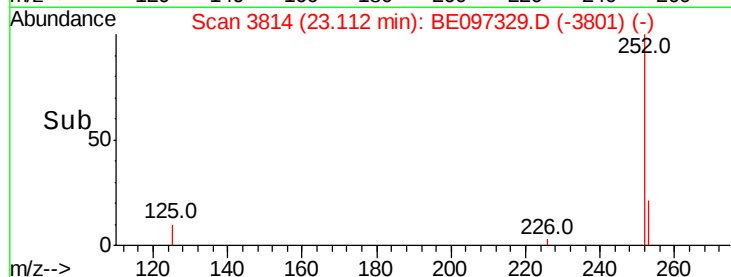
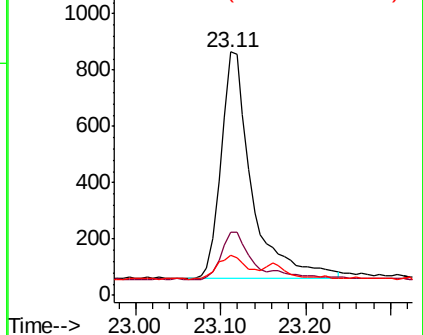
125 16.4 18.1 27.1#



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: 25.53 min Scan# 4224

Delta R.T. -0.01 min

Lab File: BE097329.D

Acq: 18 Aug 2018 12:01

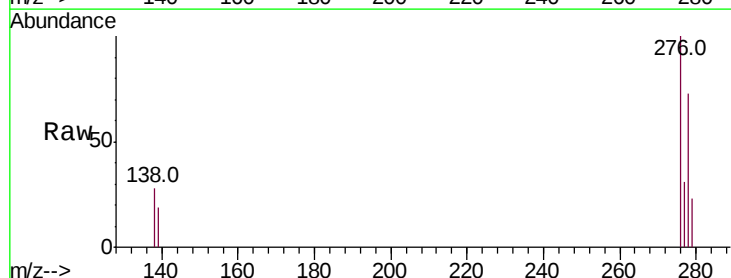
Tgt Ion:276 Resp: 2967

Ion Ratio Lower Upper

276 100

138 19.8 28.0 42.0#

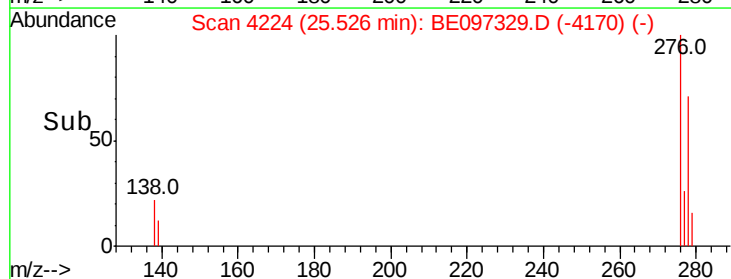
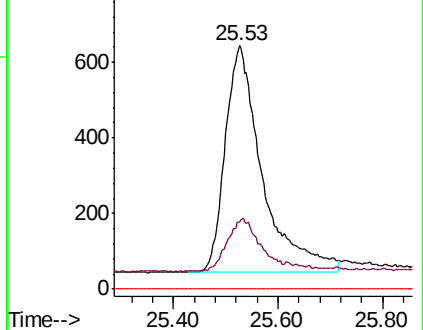
227 0.0 8.0 12.0#

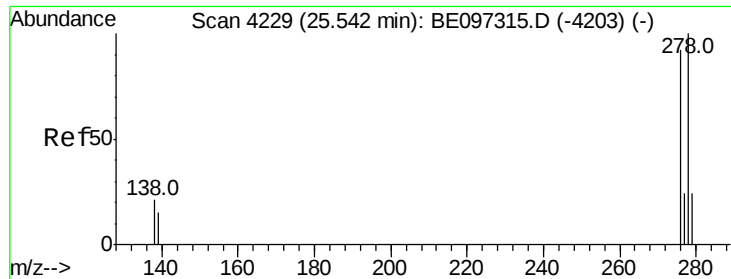


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

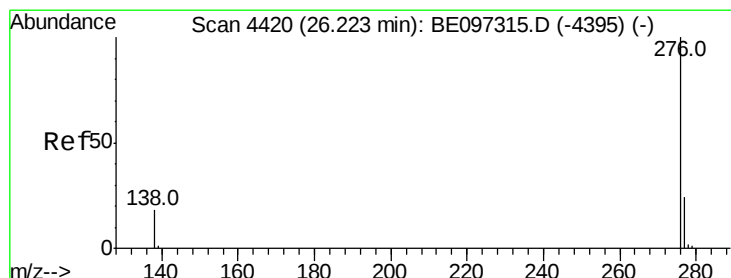
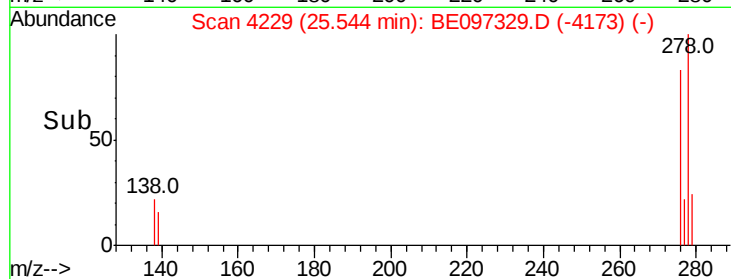
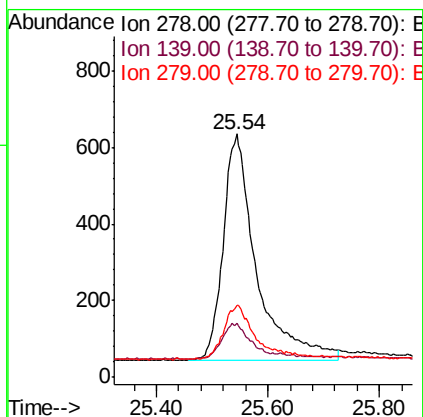
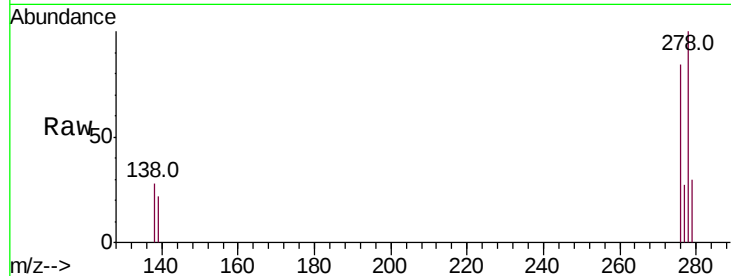




#25
Dibenzo(a,h)anthracene
Concen: 0.419 ng/ul
RT: 25.54 min Scan# 4229
Delta R.T. 0.00 min
Lab File: BE097329.D
Acq: 18 Aug 2018 12:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 2458
Ion Ratio Lower Upper
278 100
139 22.0 17.4 26.0
279 29.8 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.372 ng/ul
RT: 26.22 min Scan# 4419
Delta R.T. -0.00 min
Lab File: BE097329.D
Acq: 18 Aug 2018 12:01

Tgt Ion:276 Resp: 2158
Ion Ratio Lower Upper
276 100
138 27.0 21.8 32.8
277 30.8 20.5 30.7#

