

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095571.D
 Acq On : 8 Feb 2018 16:19
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 09 00:47:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 00:43:28 2018
 Response via : Initial Calibration

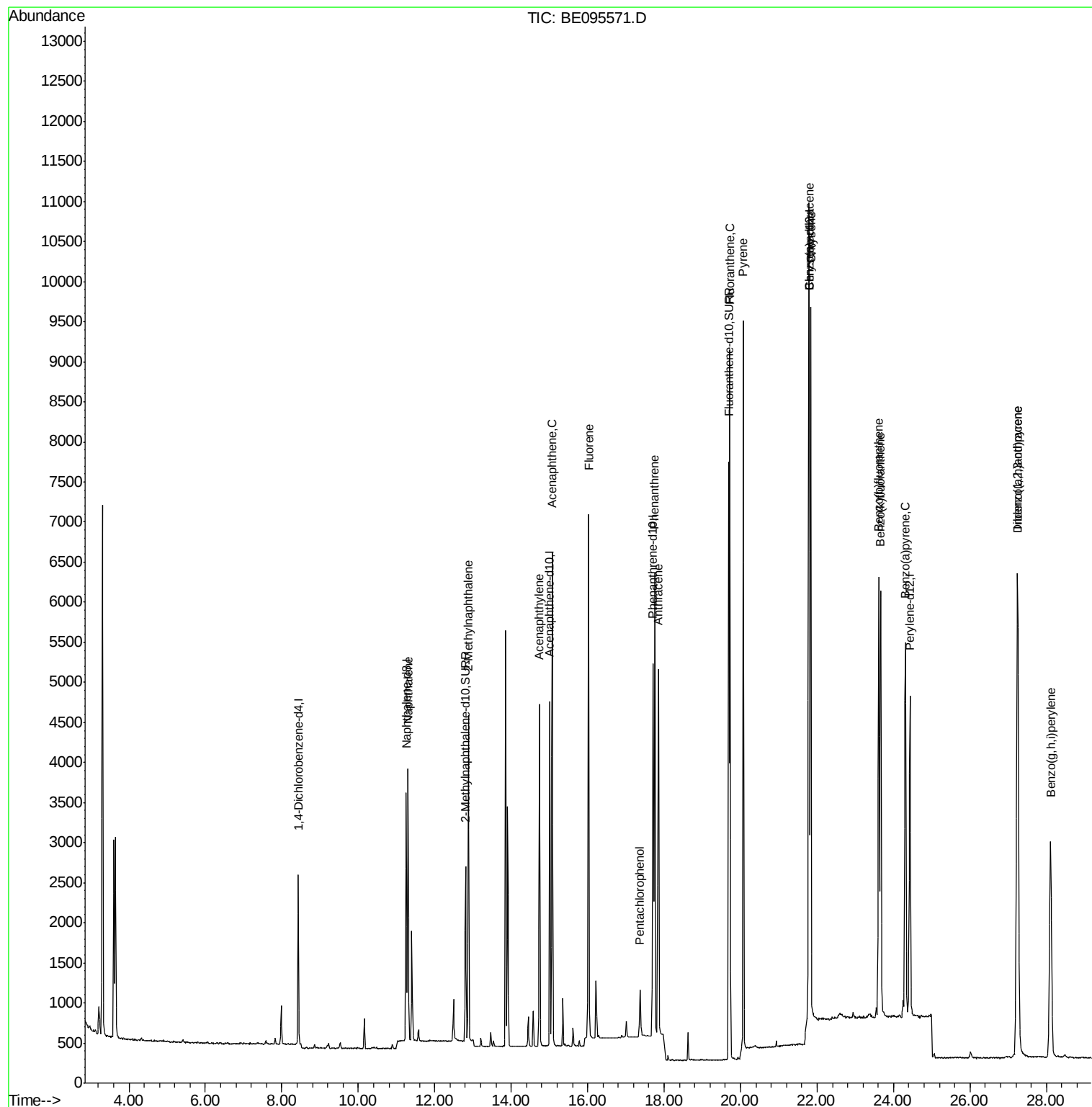
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1604	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4216	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2404	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6496	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6689	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6144	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2837	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8501	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	4779	0.405	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	3222	0.409	ng/ul	99
7) Acenaphthylene	14.74	152	4844	0.419	ng/ul	97
8) Acenaphthene	15.07	153	3656	0.407	ng/ul	92
9) Fluorene	16.03	166	4556	0.492	ng/ul#	94
11) Pentachlorophenol	17.36	266	419	0.333	ng/ul	97
12) Phenanthrene	17.75	178	7410	0.339	ng/ul#	93
13) Anthracene	17.85	178	6718	0.336	ng/ul	94
15) Fluoranthene	19.72	202	9613	0.340	ng/ul	84
17) Pyrene	20.07	202	10472	0.467	ng/ul#	79
18) Benzo(a)anthracene	21.78	228	10030	0.480	ng/ul#	84
19) Chrysene	21.84	228	8679	0.400	ng/ul	98
21) Benzo(b)fluoranthene	23.62	252	8769	0.405	ng/ul	84
22) Benzo(k)fluoranthene	23.67	252	7626	0.385	ng/ul#	85
23) Benzo(a)pyrene	24.31	252	7876	0.407	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.23	276	8749	0.412	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.26	278	7081	0.408	ng/ul#	90
26) Benzo(g,h,i)perylene	28.10	276	7302	0.406	ng/ul	94

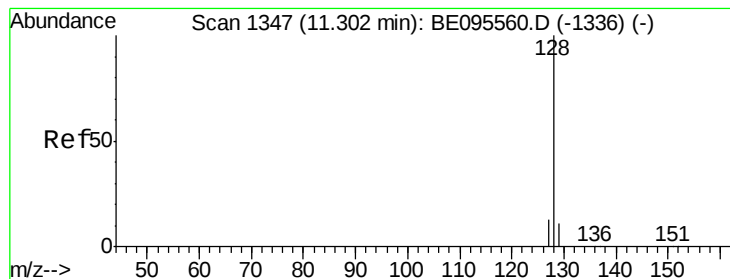
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

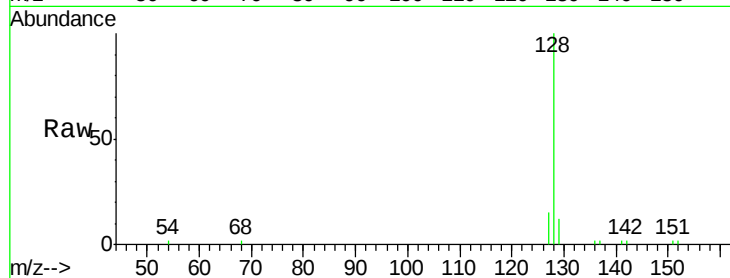
Tot Ion:128 Resp: 4779

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

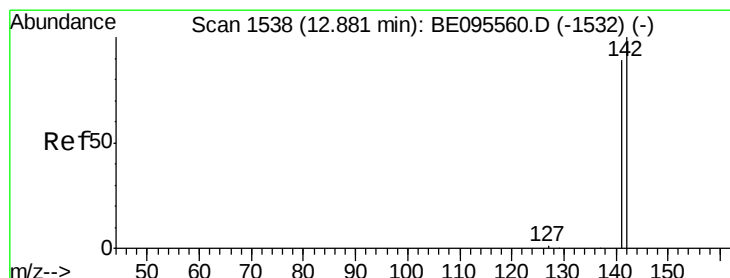
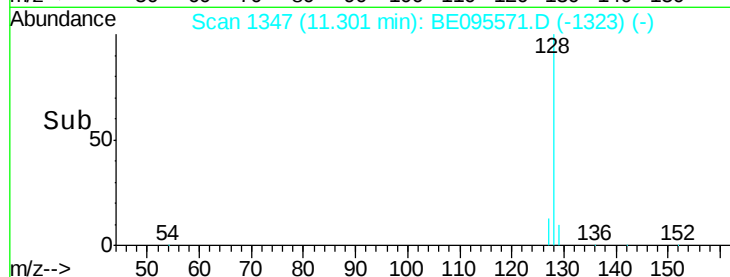
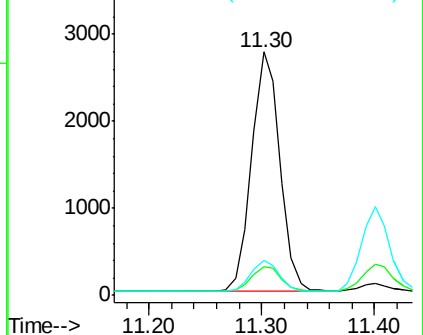
127 14.5 4.0 6.0#



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: 0.409 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE095571.D

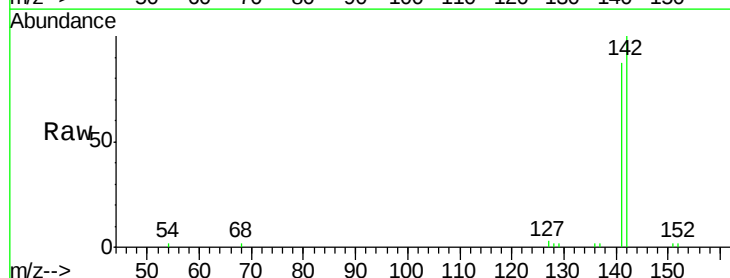
Acq: 8 Feb 2018 16:19

Tgt Ion:142 Resp: 3222

Ion Ratio Lower Upper

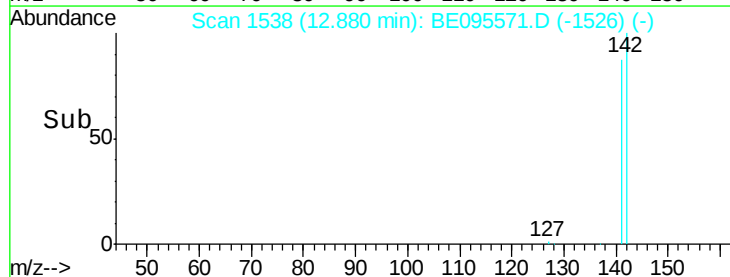
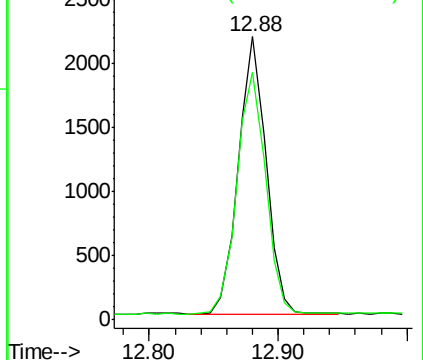
142 100

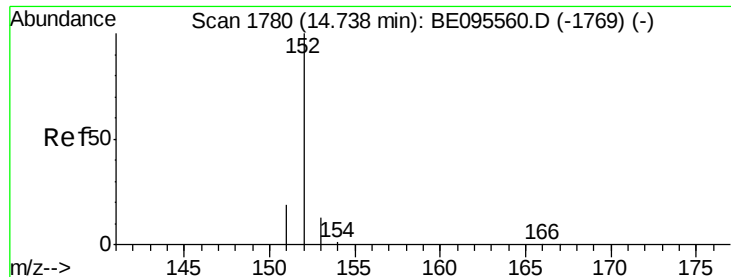
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

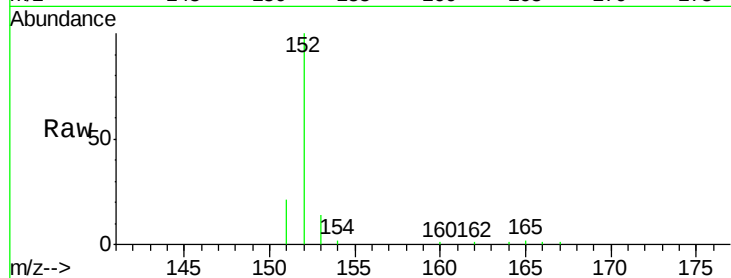
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 4844

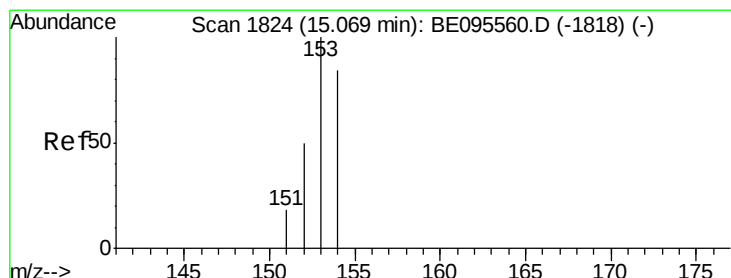
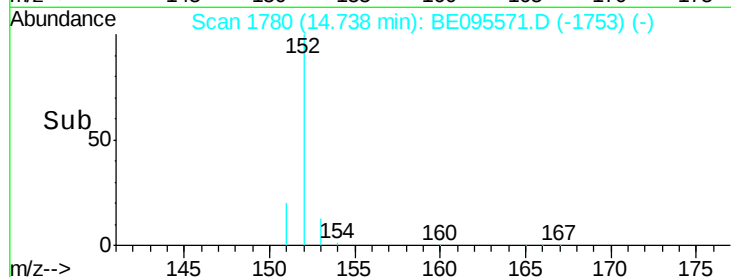
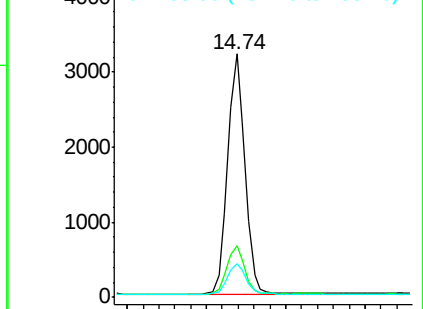
Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.1	25.7
153	13.8	12.8	19.2



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: 0.407 ng/ul

RT: 15.07 min Scan# 1824

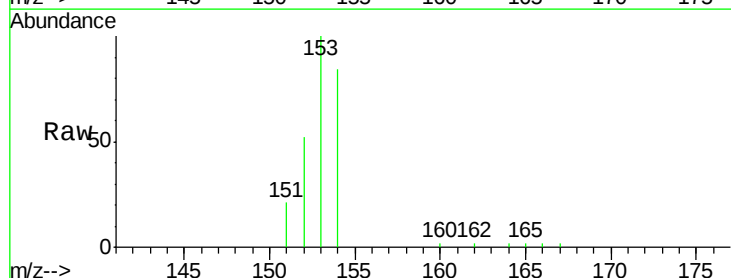
Delta R.T. 0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Tgt Ion:153 Resp: 3656

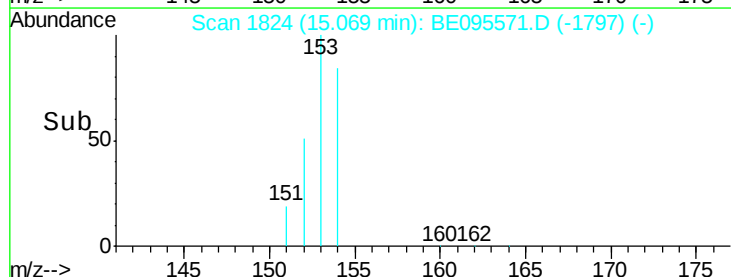
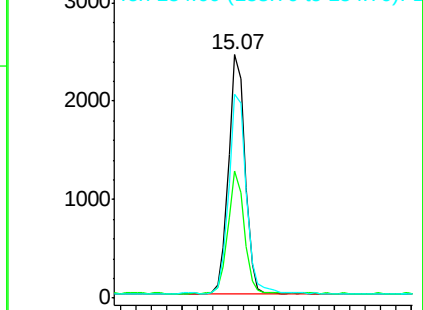
Ion	Ratio	Lower	Upper
153	100		
152	52.1	36.0	54.0
154	83.9	72.0	108.0

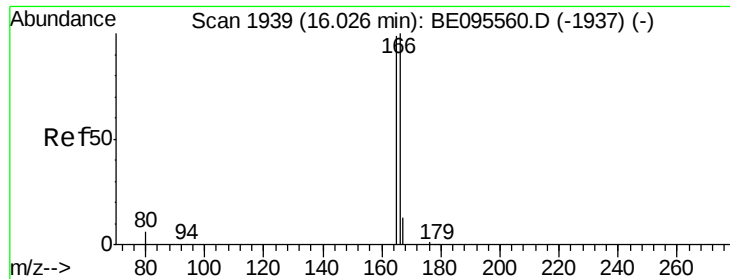


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.492 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

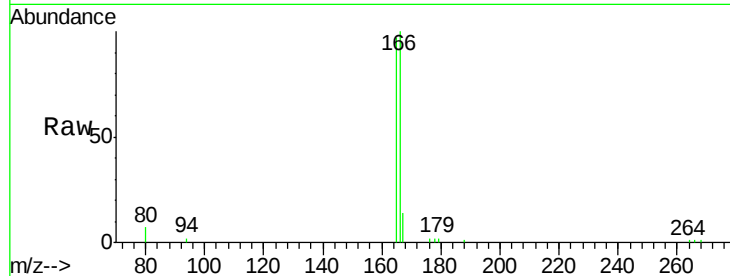
Tot Ion:166 Resp: 4556

Ion Ratio Lower Upper

166 100

165 96.7 73.4 110.2

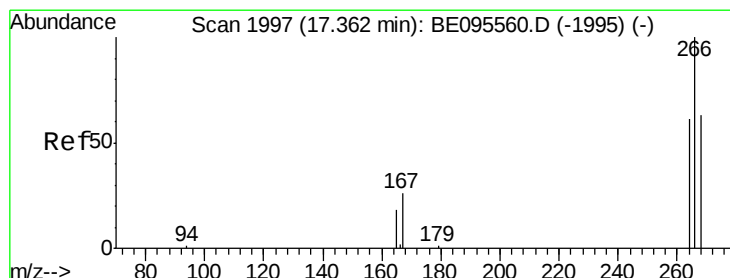
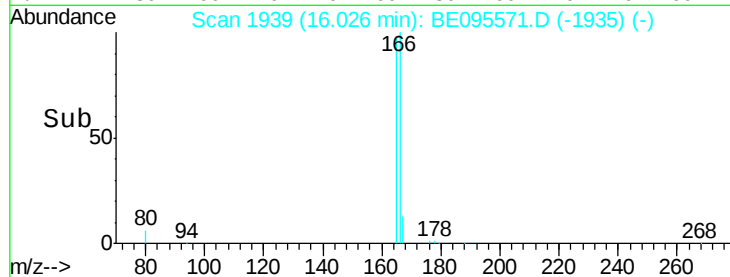
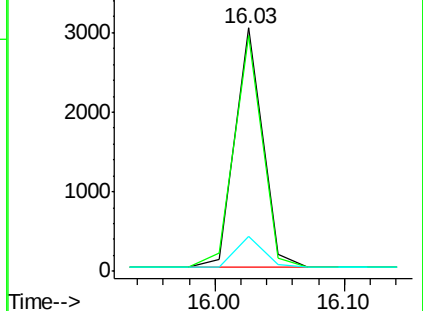
167 14.4 14.6 22.0#



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: 0.333 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

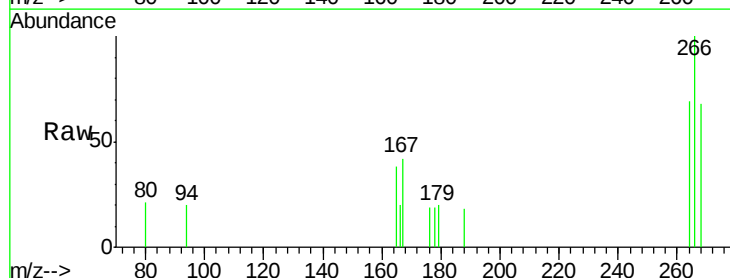
Tgt Ion:266 Resp: 419

Ion Ratio Lower Upper

266 100

264 62.1 47.9 71.9

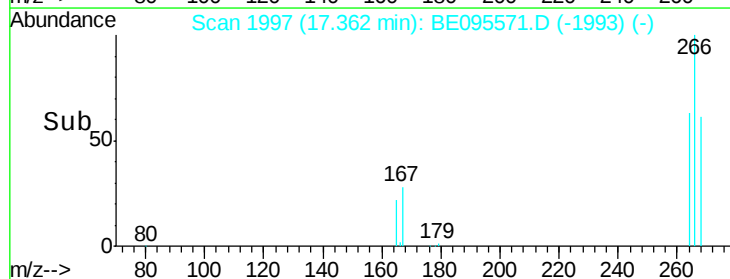
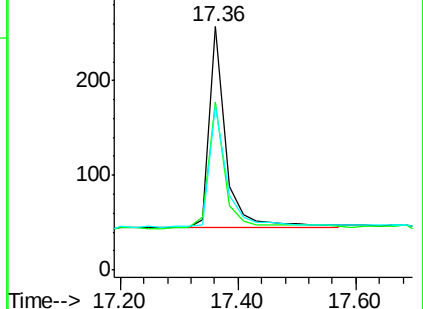
268 60.6 49.8 74.8

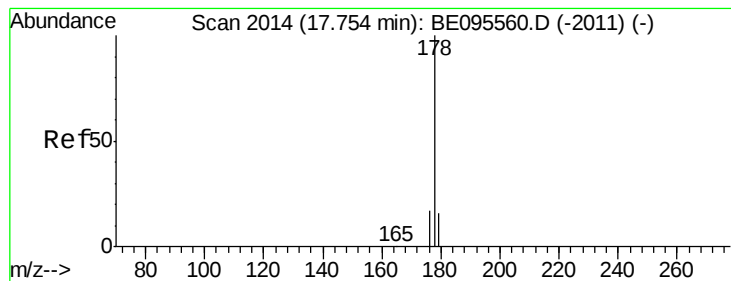


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.339 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

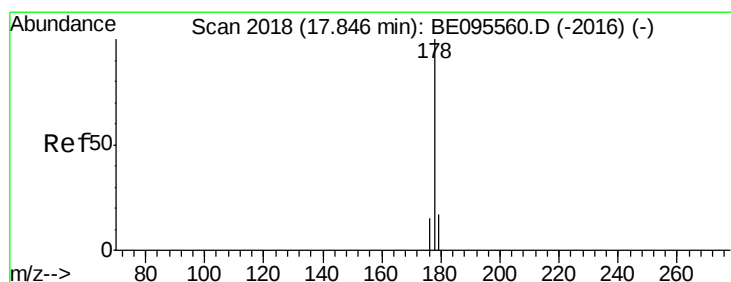
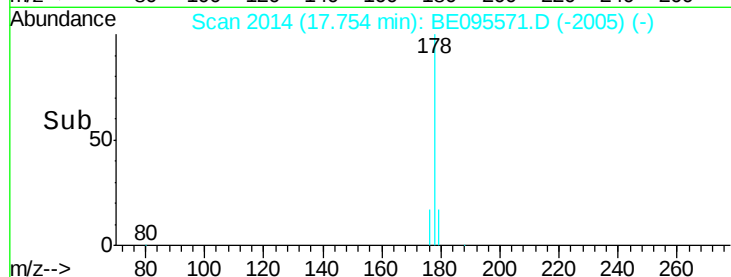
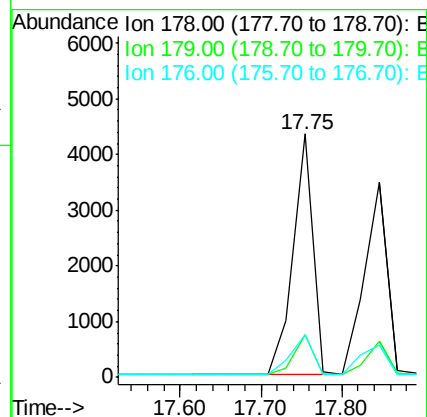
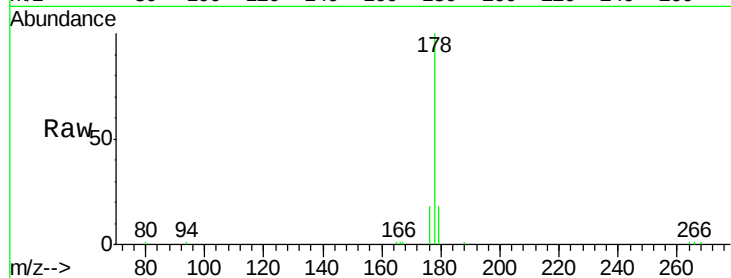
Tot Ion:178 Resp: 7410

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

176 17.5 13.6 20.4



#13

Anthracene

Concen: 0.336 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

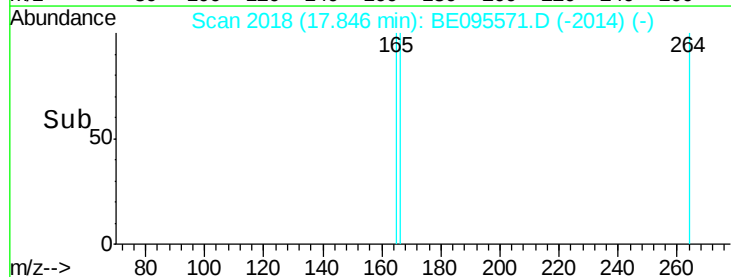
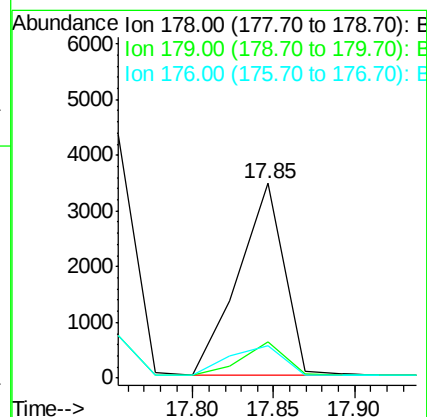
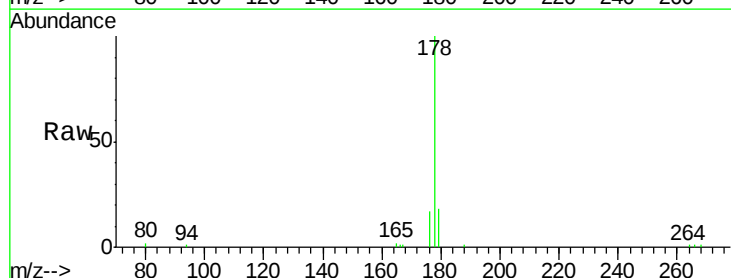
Tgt Ion:178 Resp: 6718

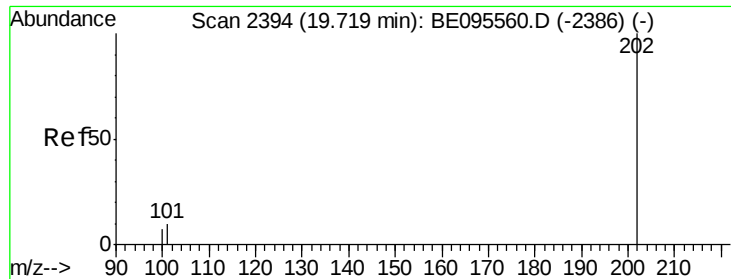
Ion Ratio Lower Upper

178 100

179 18.3 18.1 27.1

176 16.8 14.7 22.1





#15

Fluoranthene

Concen: 0.340 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

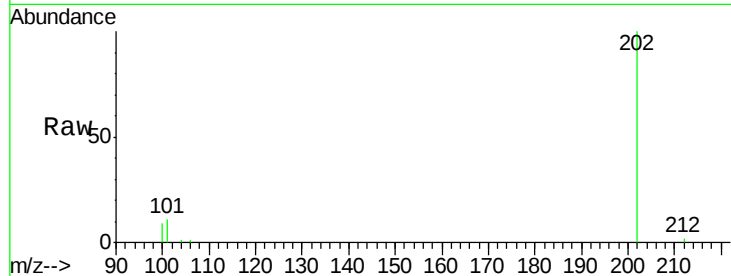
Tot Ion:202 Resp: 9613

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

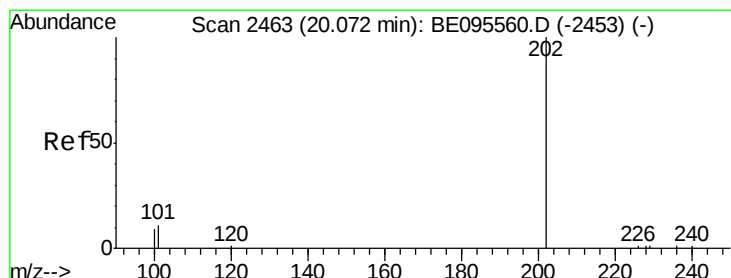
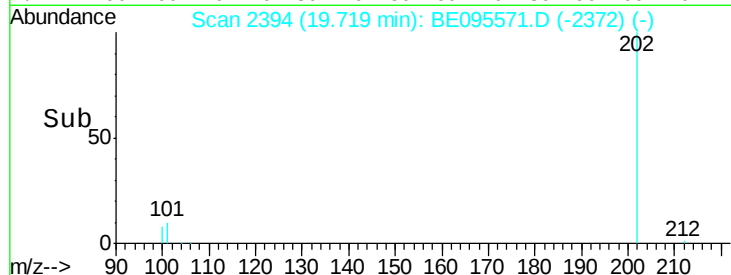
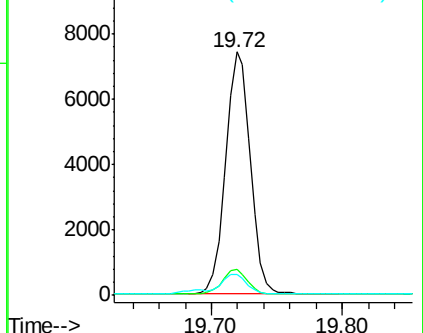
100 8.7 0.0 39.5



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: 0.467 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

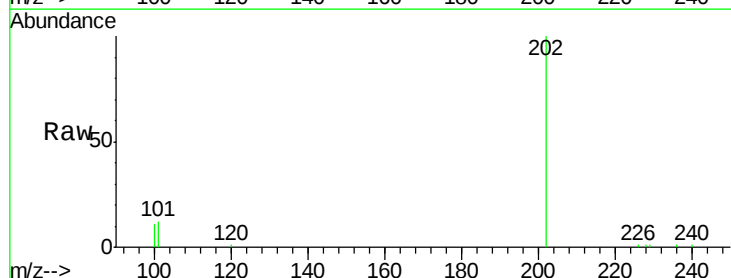
Tgt Ion:202 Resp: 10472

Ion Ratio Lower Upper

202 100

101 11.9 18.2 27.4#

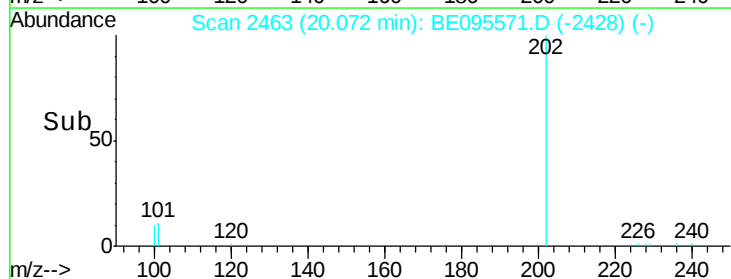
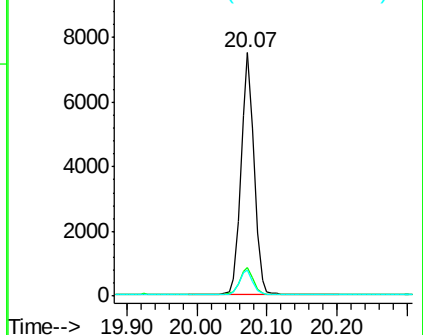
100 10.5 15.6 23.4#

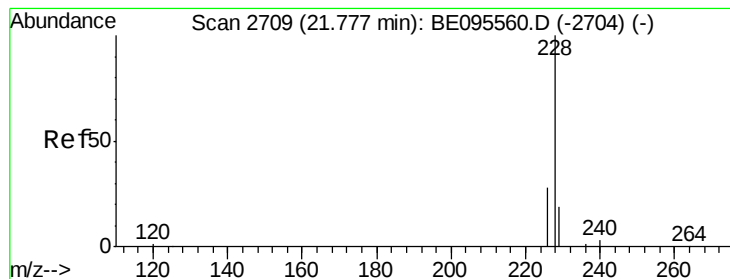


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.480 ng/ul

RT: 21.78 min Scan# 2708

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

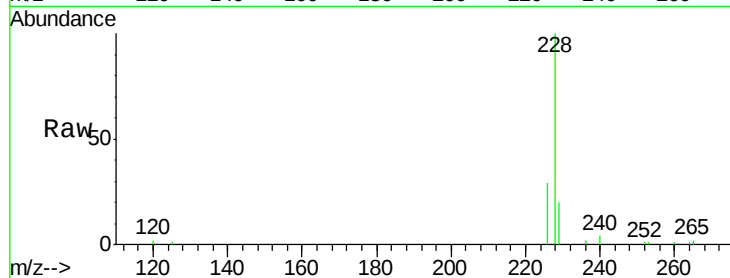
Tot Ion:228 Resp: 10030

Ion Ratio Lower Upper

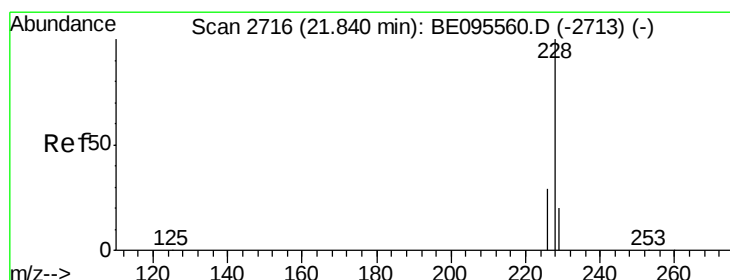
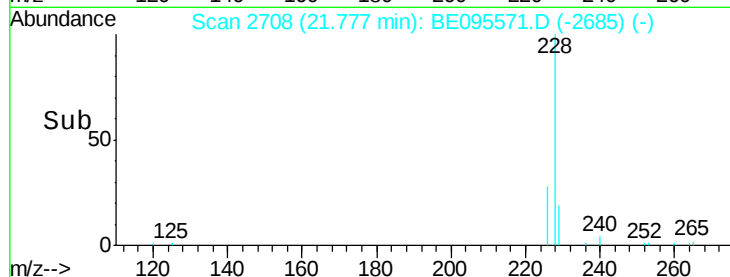
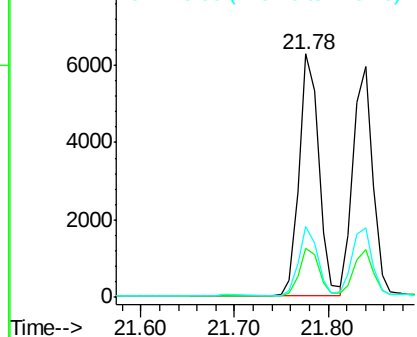
228 100

229 20.1 22.8 34.2#

226 28.9 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: 0.400 ng/ul

RT: 21.84 min Scan# 2715

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

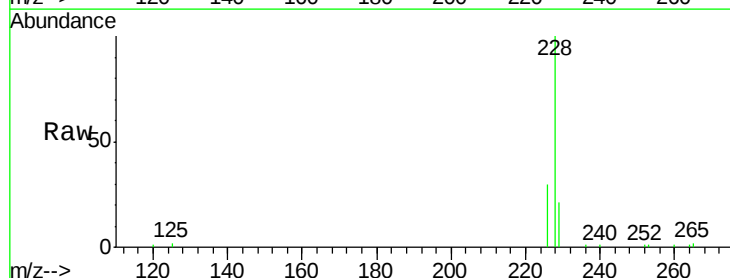
Tgt Ion:228 Resp: 8679

Ion Ratio Lower Upper

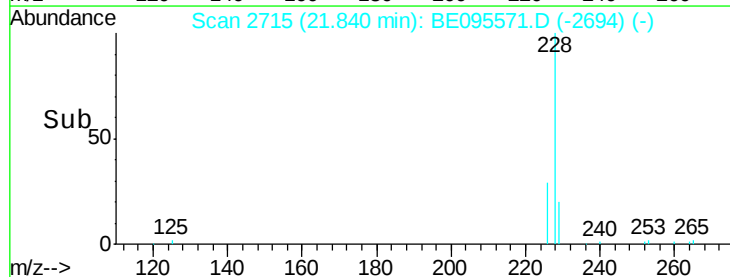
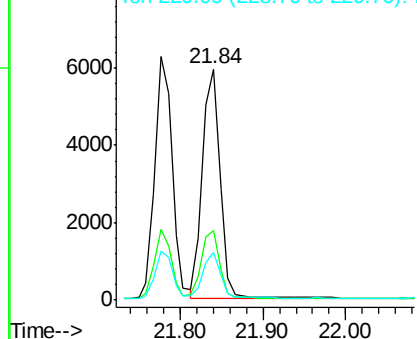
228 100

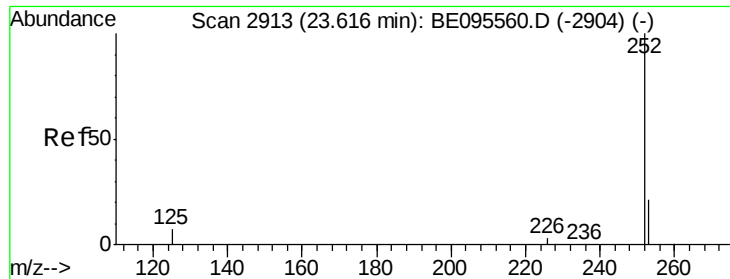
226 30.1 23.4 35.0

229 20.7 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

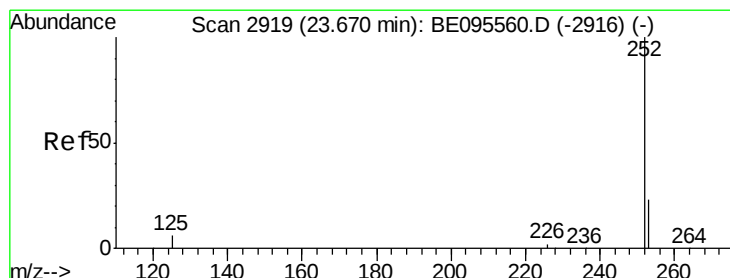
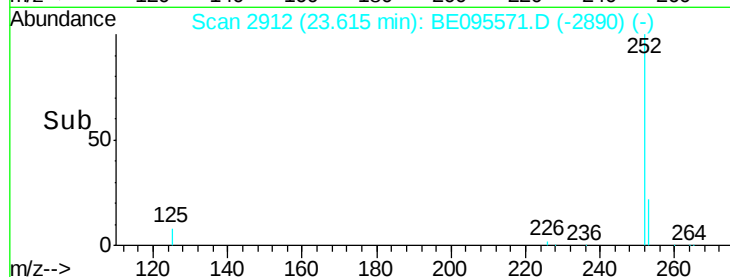
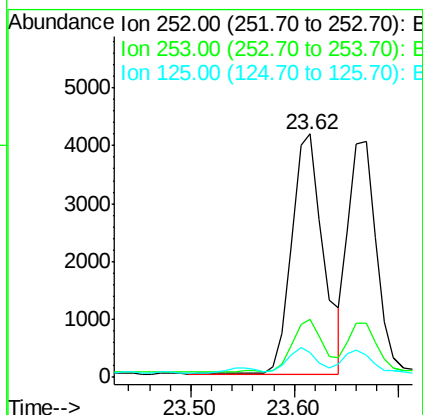
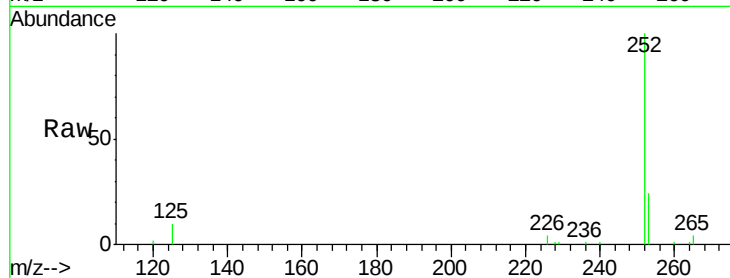




#21
Benzo(b)fluoranthene
Concen: 0.405 ng/ul
RT: 23.62 min Scan# 2912
Delta R.T. -0.00 min
Lab File: BE095571.D
Acq: 8 Feb 2018 16:19

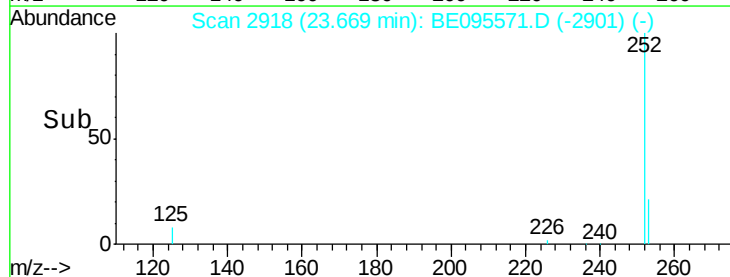
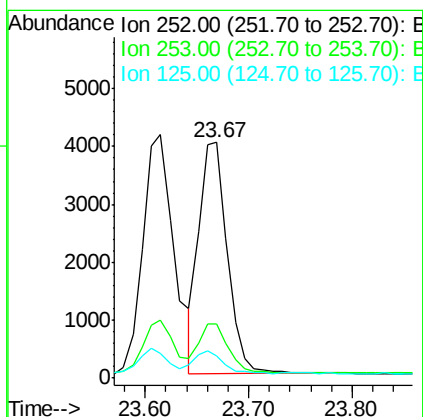
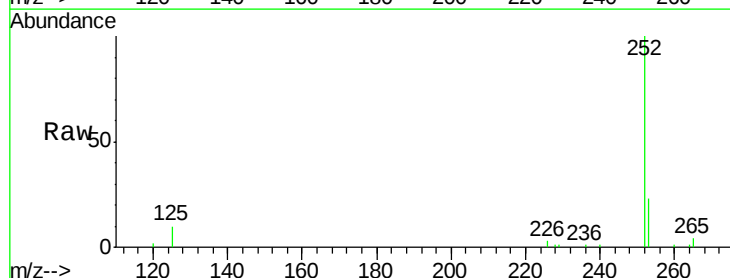
Instrument :
BNA_E
ClientSampleId :

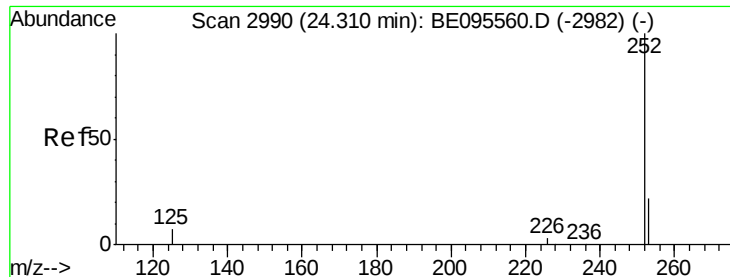
Tot Ion:252 Resp: 8769
Ion Ratio Lower Upper
252 100
253 23.9 0.0 64.2
125 9.9 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.385 ng/ul
RT: 23.67 min Scan# 2918
Delta R.T. -0.00 min
Lab File: BE095571.D
Acq: 8 Feb 2018 16:19

Tgt Ion:252 Resp: 7626
Ion Ratio Lower Upper
252 100
253 23.2 24.5 36.7#
125 9.6 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.407 ng/ul

RT: 24.31 min Scan# 2989

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

Instrument :

BNA_E

ClientSampleId :

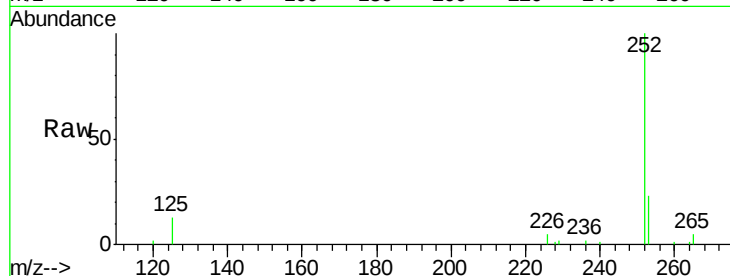
Tot Ion:252 Resp: 7876

Ion Ratio Lower Upper

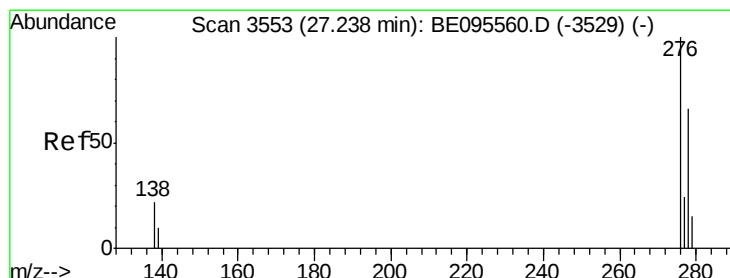
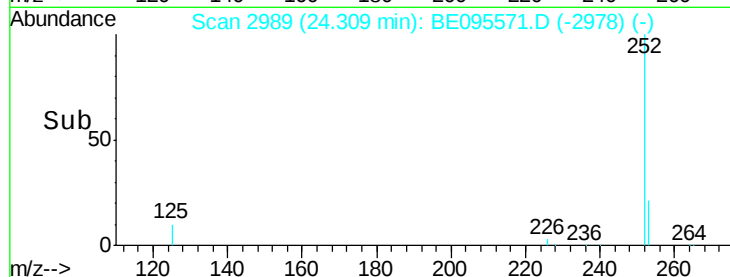
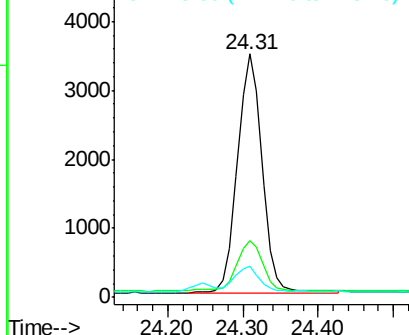
252 100

253 23.2 28.5 42.7#

125 12.6 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: 0.412 ng/ul

RT: 27.23 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE095571.D

Acq: 8 Feb 2018 16:19

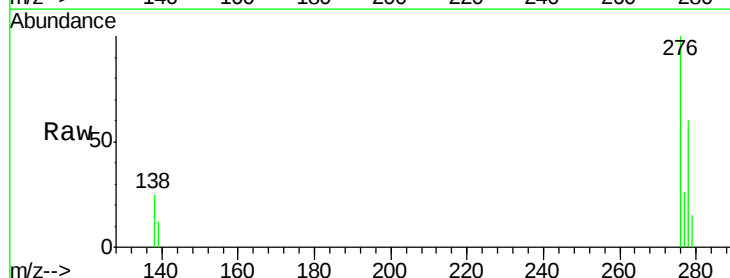
Tgt Ion:276 Resp: 8749

Ion Ratio Lower Upper

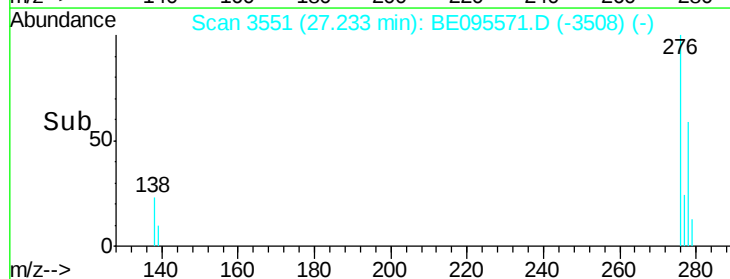
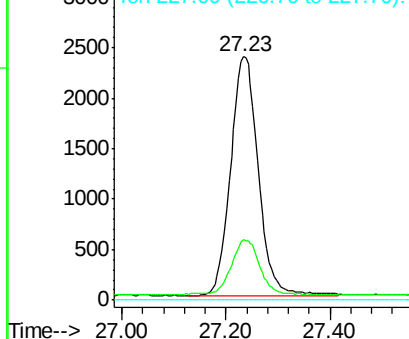
276 100

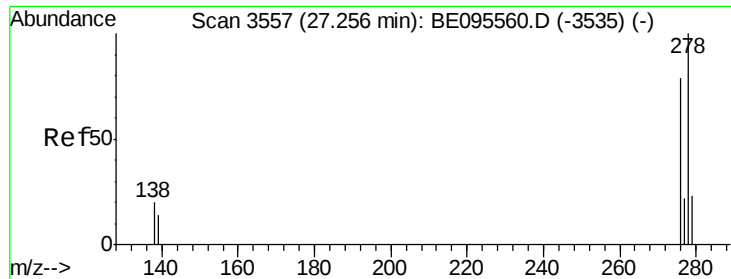
138 23.4 28.0 42.0#

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

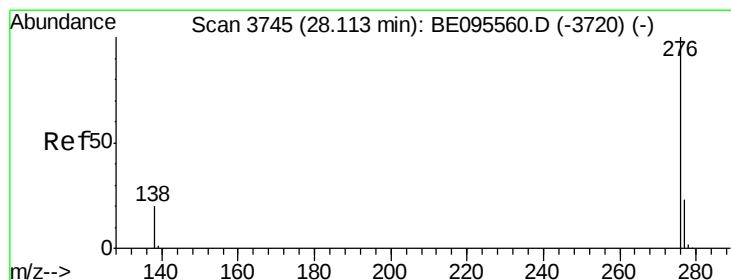
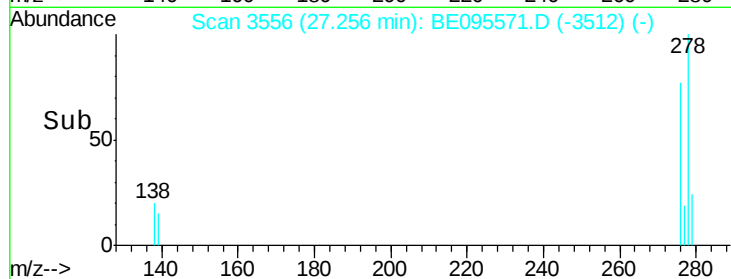
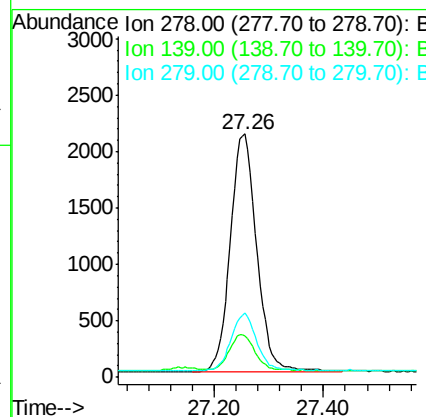
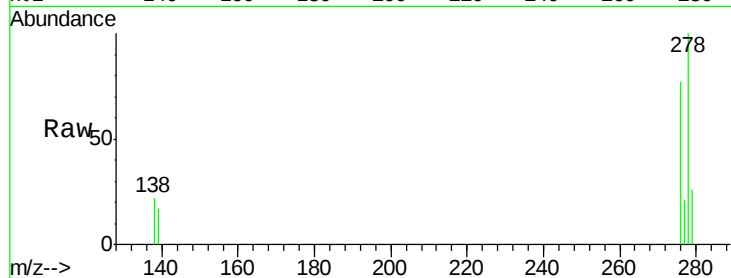




#25
Dibenzo(a,h)anthracene
Concen: 0.408 ng/ul
RT: 27.26 min Scan# 3556
Delta R.T. 0.00 min
Lab File: BE095571.D
Acq: 8 Feb 2018 16:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 7081
Ion Ratio Lower Upper
278 100
139 17.2 17.4 26.0#
279 26.3 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.406 ng/ul
RT: 28.10 min Scan# 3742
Delta R.T. -0.01 min
Lab File: BE095571.D
Acq: 8 Feb 2018 16:19

Tgt Ion:276 Resp: 7302
Ion Ratio Lower Upper
276 100
138 21.9 21.8 32.8
277 24.5 20.5 30.7

