

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031318\
 Data File : BE095754.D
 Acq On : 13 Mar 2018 17:35
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 13 18:21:26 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 13 18:03:40 2018
 Response via : Initial Calibration

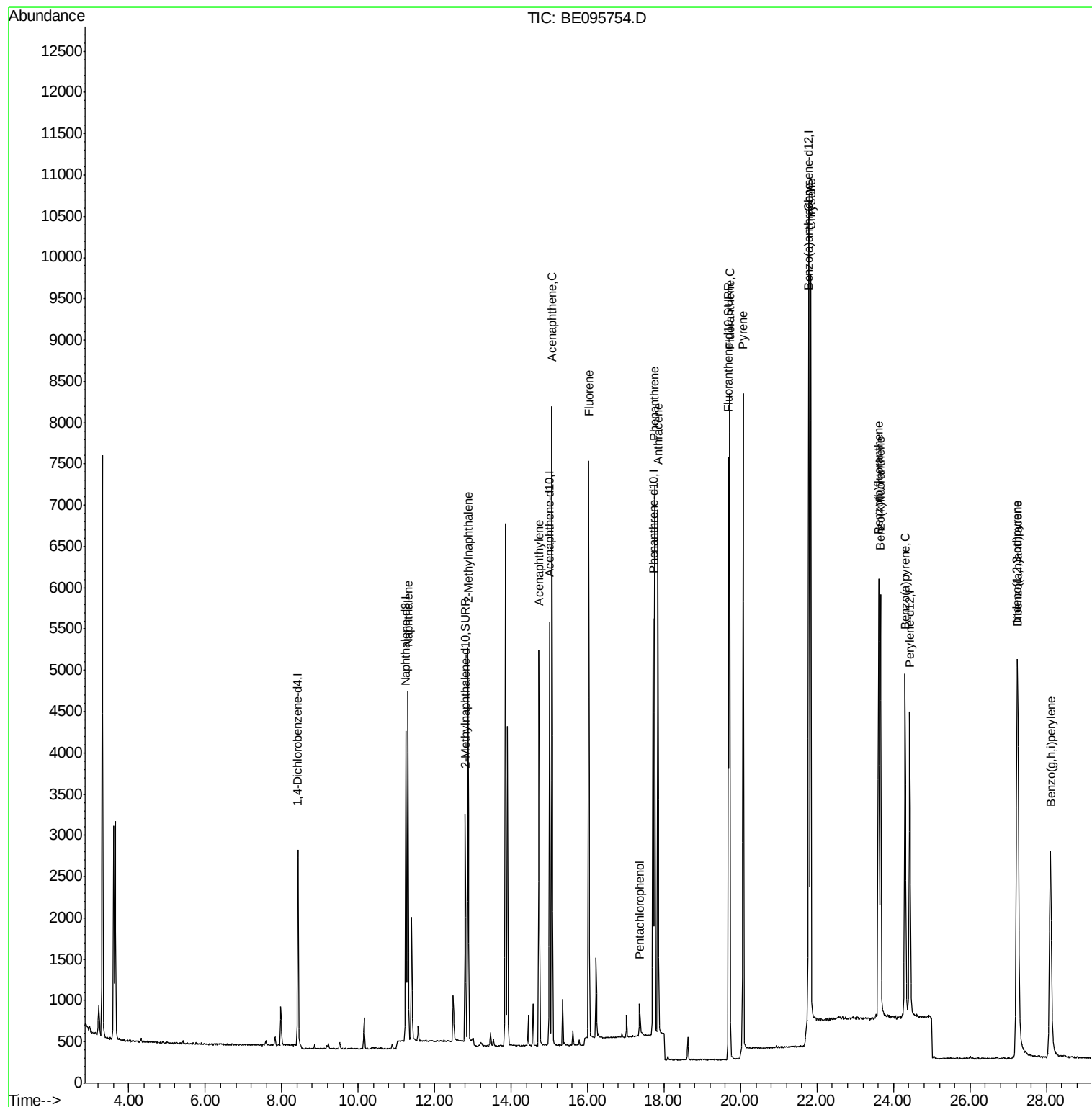
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1782	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5055	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2799	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6163	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6404	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	5746	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	3434	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	7923	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	5754	0.408	ng/ul#	89
5) 2-Methylnaphthalene	12.87	142	3971	0.405	ng/ul	100
7) Acenaphthylene	14.73	152	5637	0.399	ng/ul	97
8) Acenaphthene	15.07	153	4335	0.407	ng/ul	92
9) Fluorene	16.03	166	4580	0.397	ng/ul#	90
11) Pentachlorophenol	17.36	266	280	0.323	ng/ul	95
12) Phenanthrene	17.75	178	7467	0.405	ng/ul#	88
13) Anthracene	17.84	178	6933	0.402	ng/ul#	91
15) Fluoranthene	19.72	202	9101	0.407	ng/ul	84
17) Pyrene	20.07	202	9769	0.402	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	8214	0.398	ng/ul#	85
19) Chrysene	21.84	228	8469	0.403	ng/ul	97
21) Benzo(b)fluoranthene	23.61	252	8035	0.404	ng/ul	84
22) Benzo(k)fluoranthene	23.66	252	7691	0.406	ng/ul#	86
23) Benzo(a)pyrene	24.30	252	7381	0.406	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.23	276	8131	0.404	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	6447	0.400	ng/ul#	88
26) Benzo(g,h,i)perylene	28.11	276	7035	0.406	ng/ul#	94

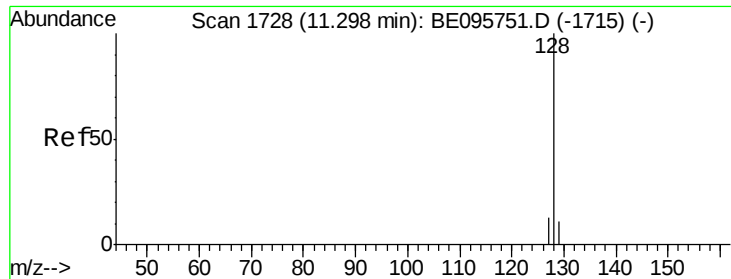
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.408 ng/ul

RT: 11.30 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

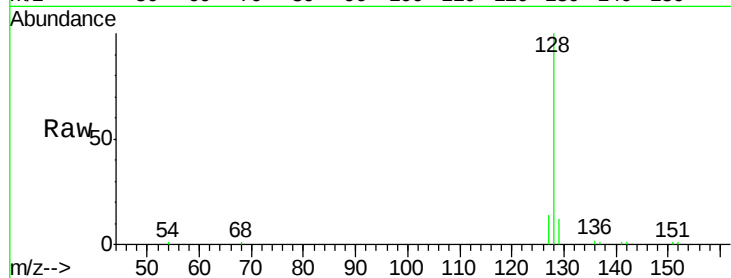
Tot Ion:128 Resp: 5754

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

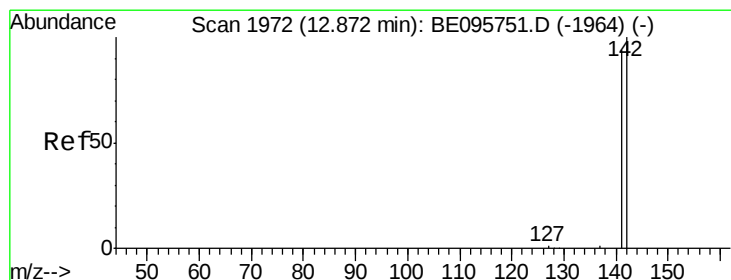
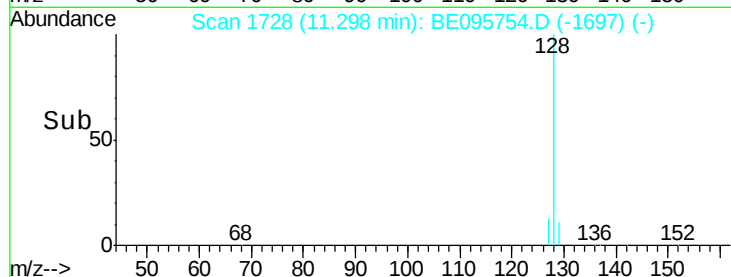
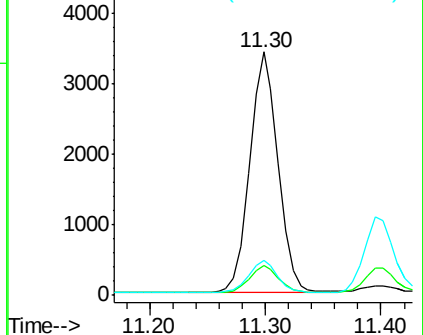
127 14.1 4.0 6.0#



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: 0.405 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE095754.D

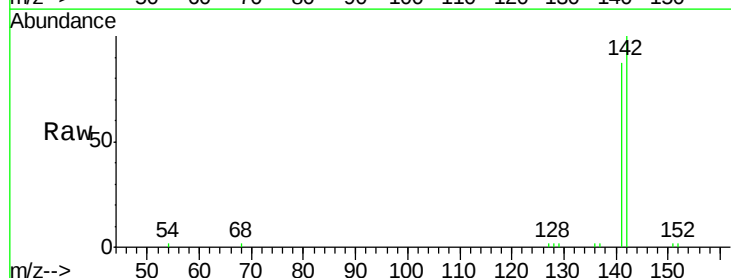
Acq: 13 Mar 2018 17:35

Tgt Ion:142 Resp: 3971

Ion Ratio Lower Upper

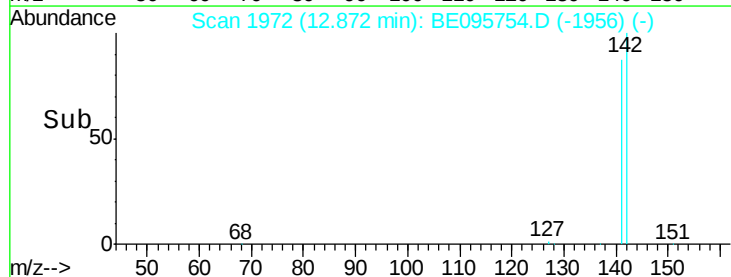
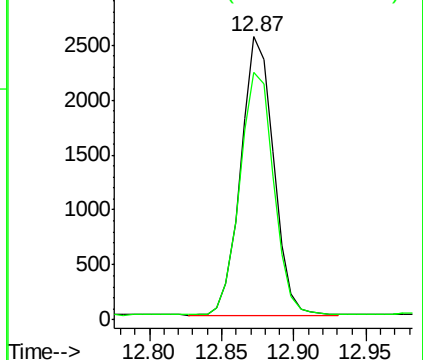
142 100

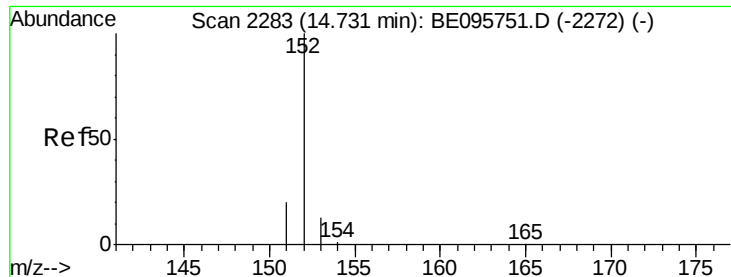
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.399 ng/ul

RT: 14.73 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

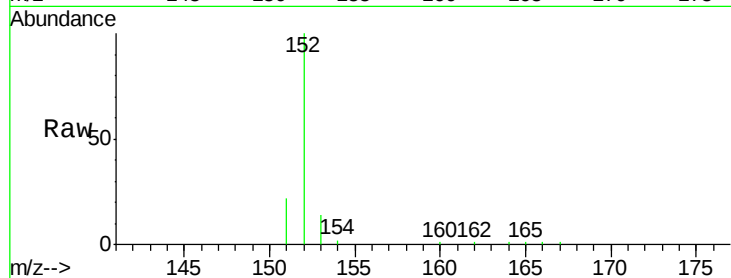
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 5637

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.1	25.7
153	14.2	12.8	19.2

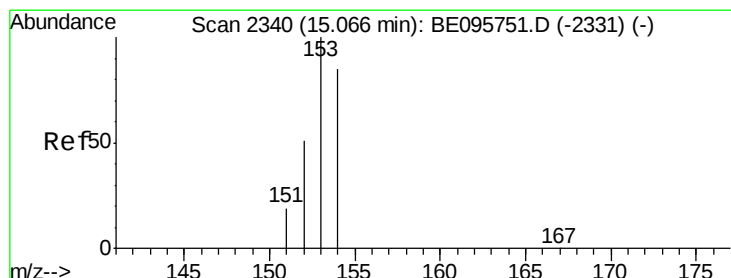
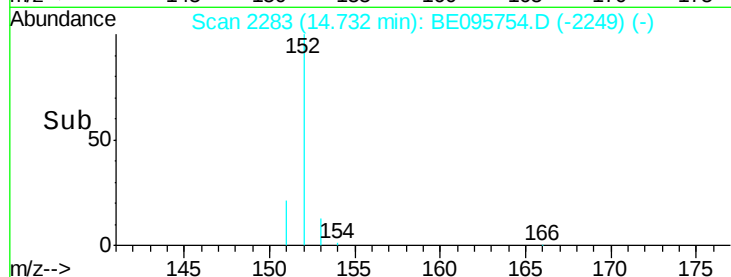
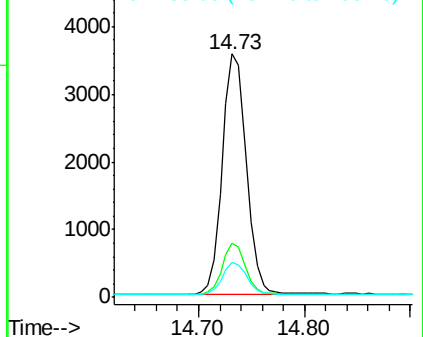


Abundance

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: 0.407 ng/ul

RT: 15.07 min Scan# 2340

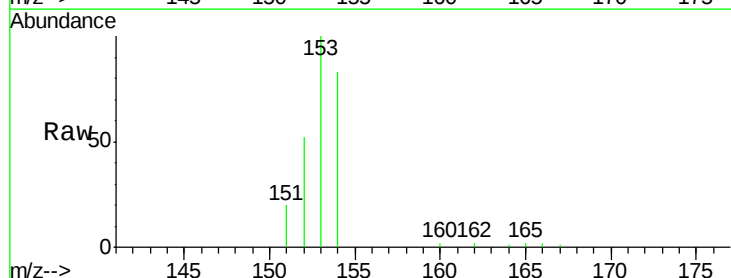
Delta R.T. 0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Tgt Ion:153 Resp: 4335

Ion	Ratio	Lower	Upper
153	100		
152	51.6	36.0	54.0
154	83.3	72.0	108.0

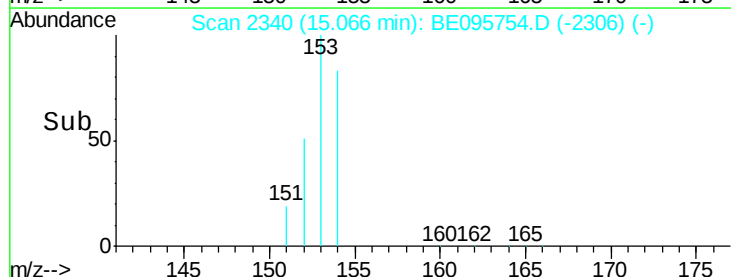
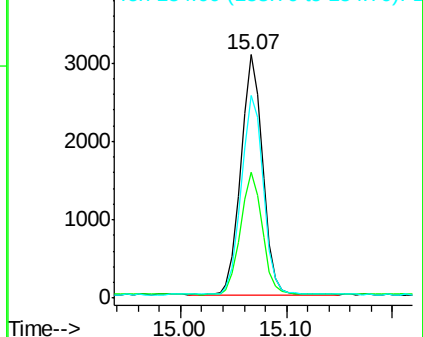


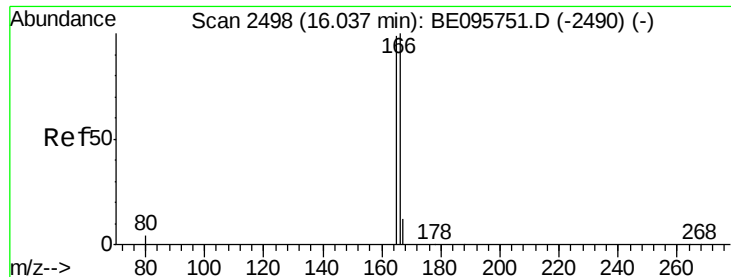
Abundance

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: 0.397 ng/ul

RT: 16.03 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

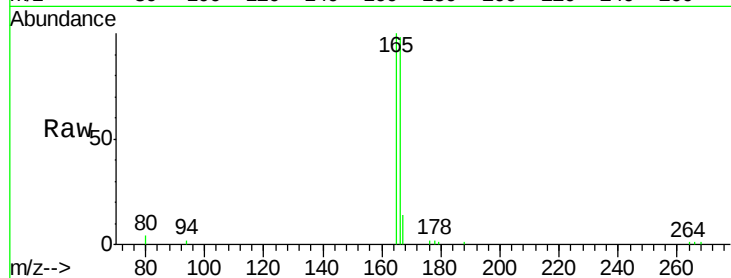
Tot Ion:166 Resp: 4580

Ion Ratio Lower Upper

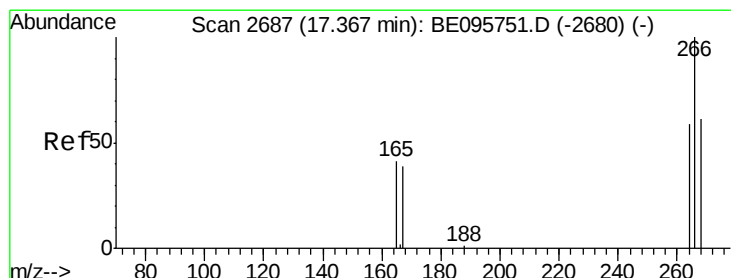
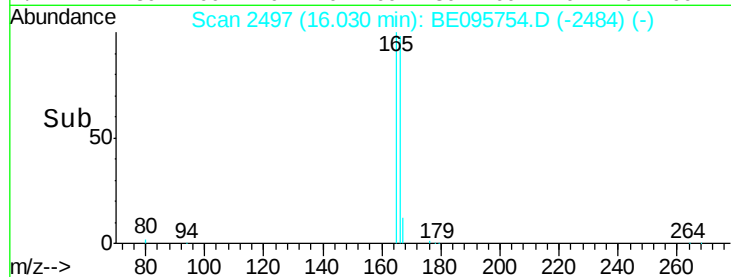
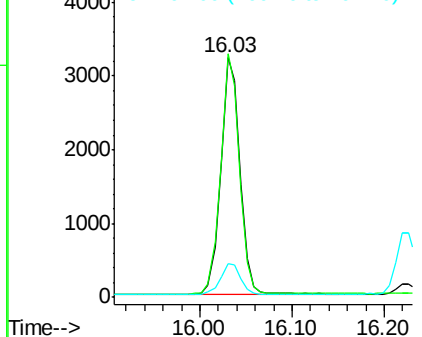
166 100

165 101.6 73.4 110.2

167 13.9 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: 0.323 ng/ul

RT: 17.36 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

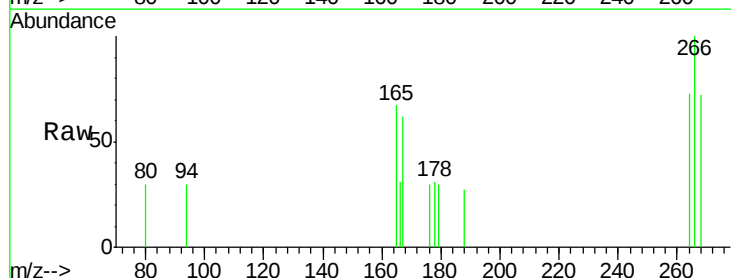
Tgt Ion:266 Resp: 280

Ion Ratio Lower Upper

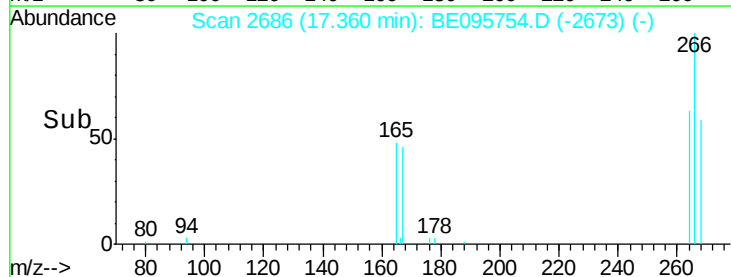
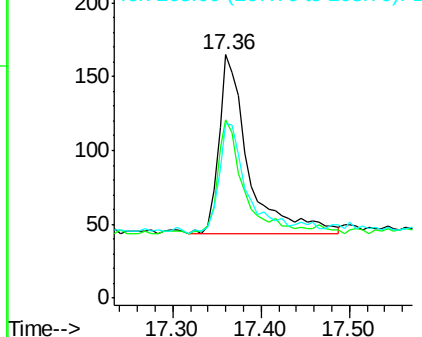
266 100

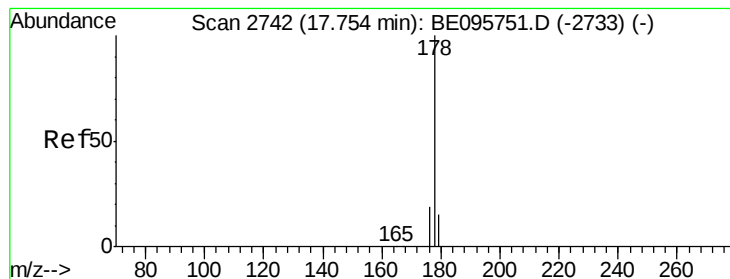
264 55.7 47.9 71.9

268 58.2 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: 0.405 ng/ul

RT: 17.75 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

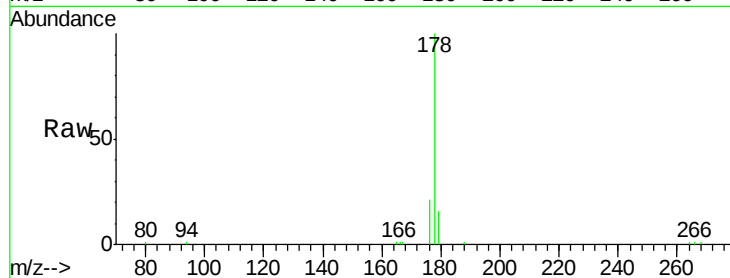
Tot Ion:178 Resp: 7467

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

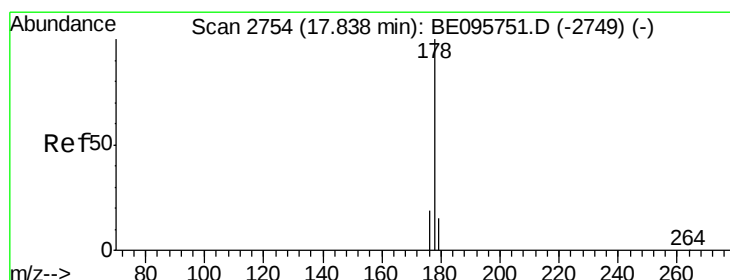
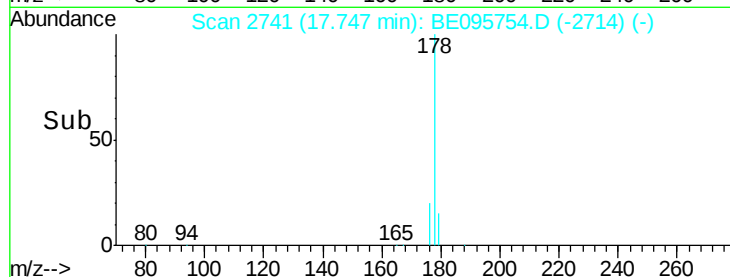
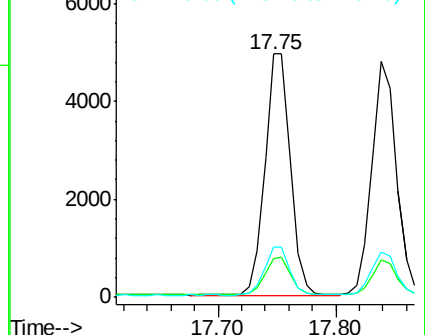
176 20.9 13.6 20.4#



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: 0.402 ng/ul

RT: 17.84 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

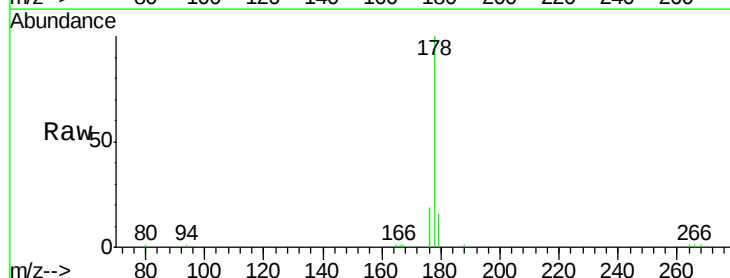
Tgt Ion:178 Resp: 6933

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

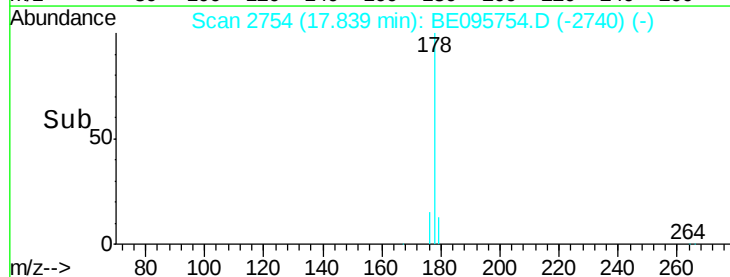
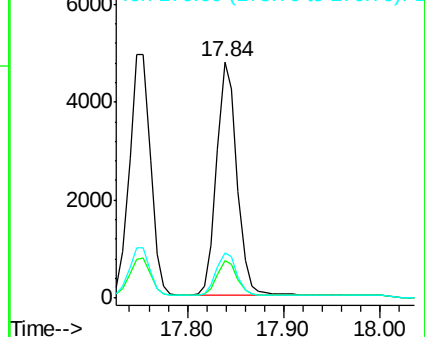
176 19.4 14.7 22.1

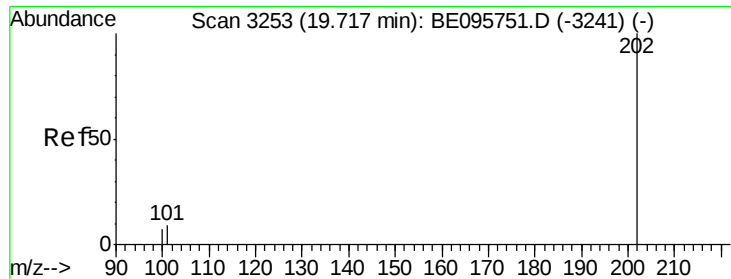


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.407 ng/ul

RT: 19.72 min Scan# 3253

Delta R.T. -0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

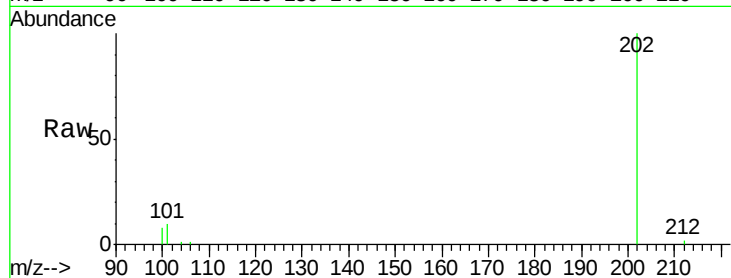
Tot Ion:202 Resp: 9101

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

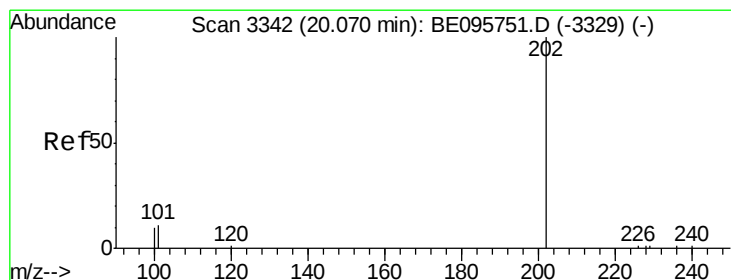
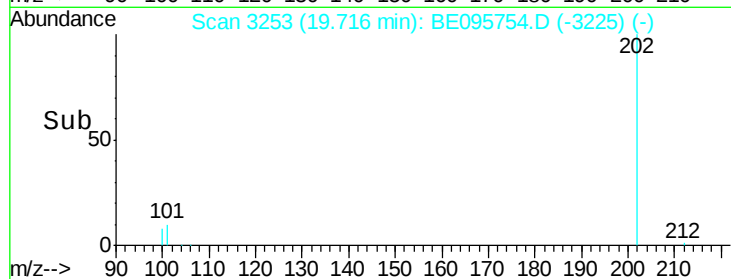
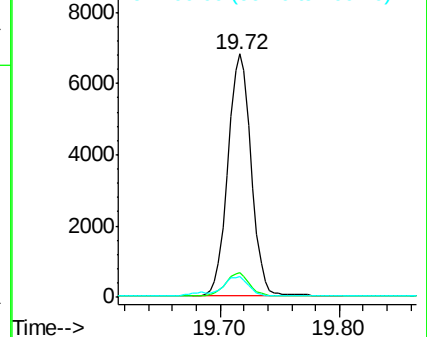
100 8.5 0.0 39.5



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: 0.402 ng/ul

RT: 20.07 min Scan# 3342

Delta R.T. 0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

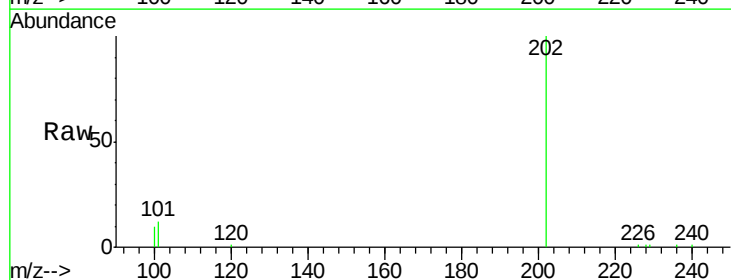
Tgt Ion:202 Resp: 9769

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

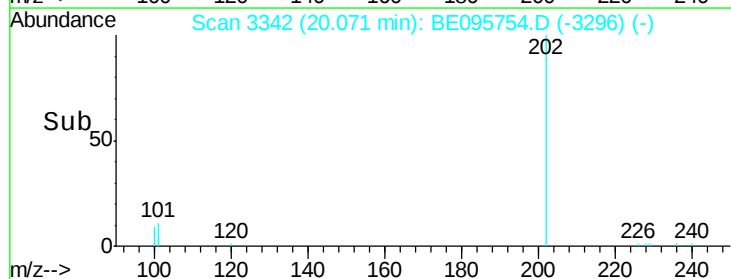
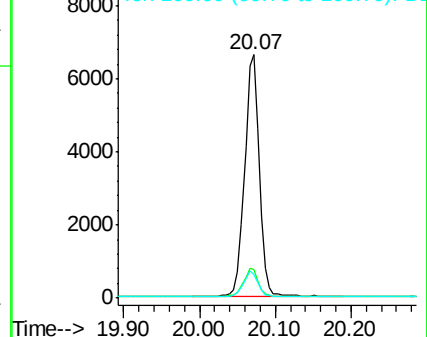
100 9.8 15.6 23.4#

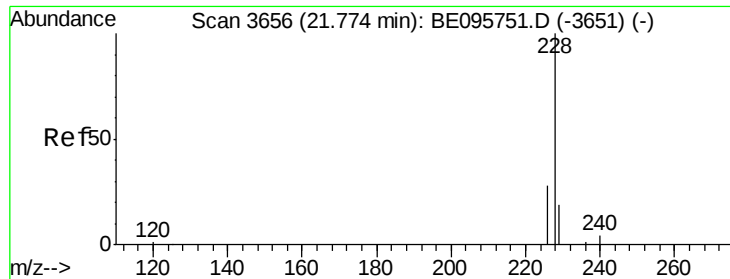


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.398 ng/ul

RT: 21.78 min Scan# 3657

Delta R.T. 0.01 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

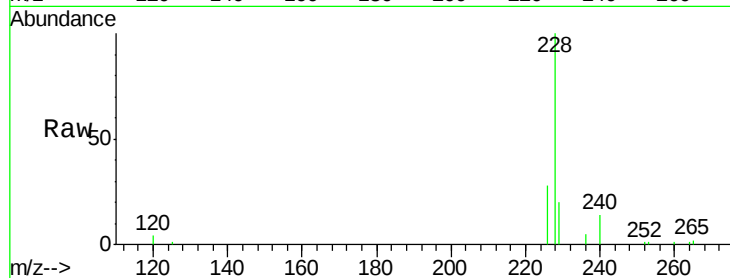
Tot Ion:228 Resp: 8214

Ion Ratio Lower Upper

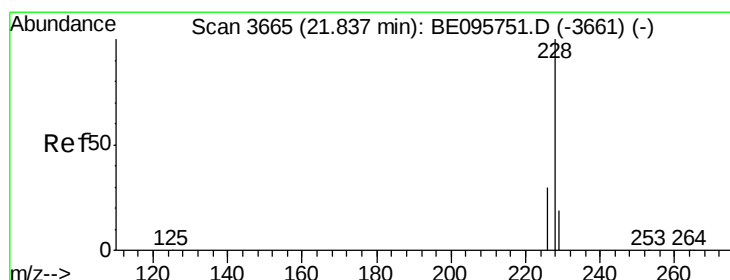
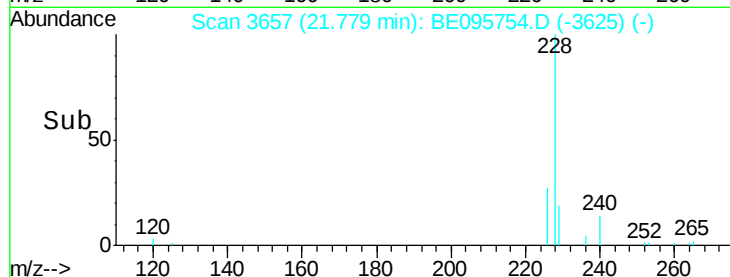
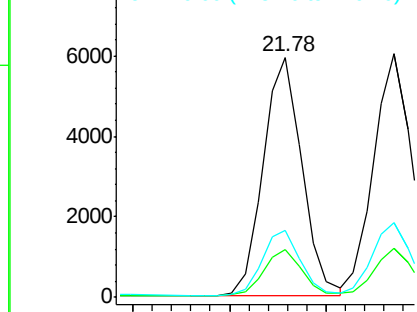
228 100

229 20.0 22.8 34.2#

226 28.0 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: 0.403 ng/ul

RT: 21.84 min Scan# 3665

Delta R.T. -0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

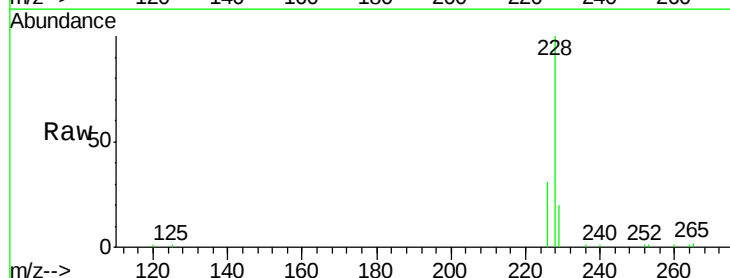
Tgt Ion:228 Resp: 8469

Ion Ratio Lower Upper

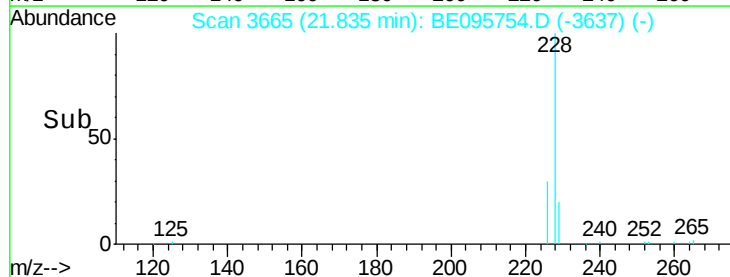
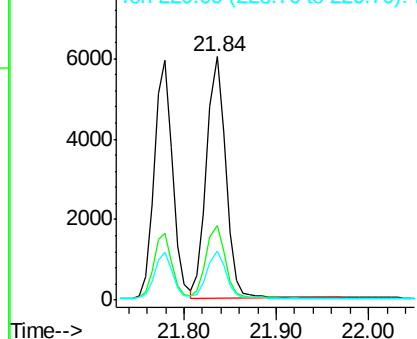
228 100

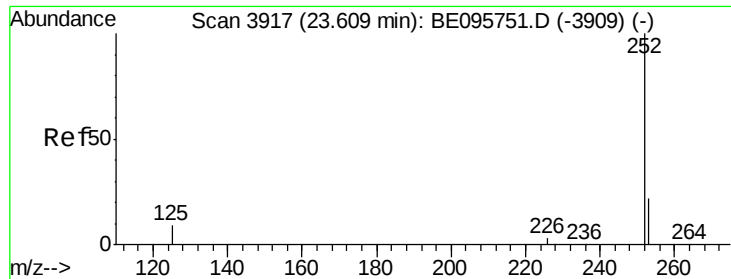
226 30.7 23.4 35.0

229 20.4 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

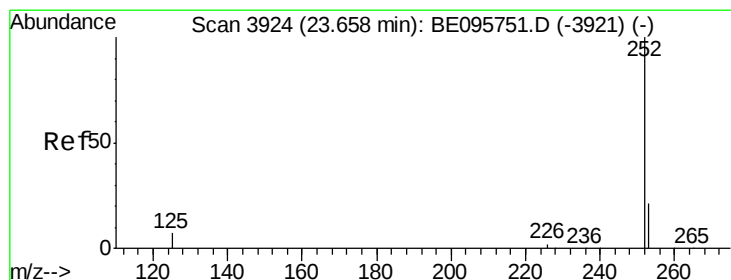
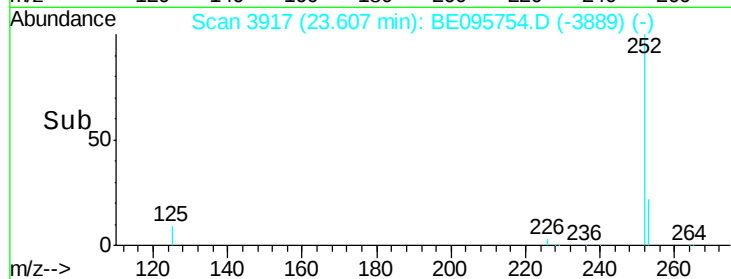
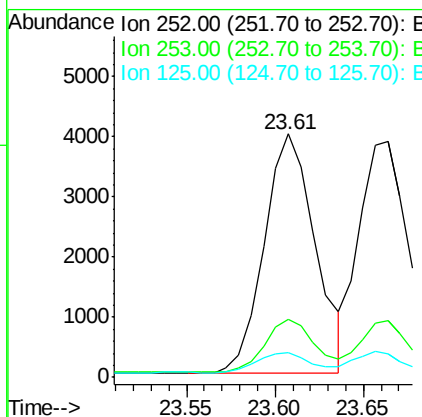
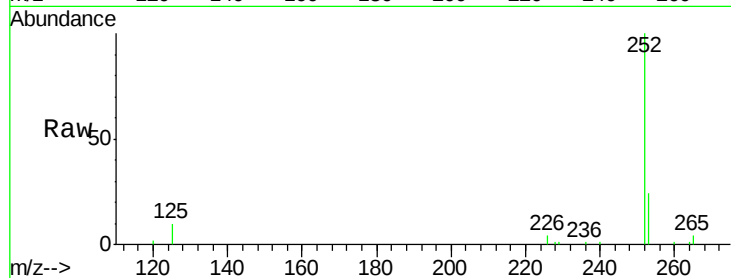




#21
Benzo(b)fluoranthene
Concen: 0.404 ng/ul
RT: 23.61 min Scan# 3917
Delta R.T. -0.00 min
Lab File: BE095754.D
Acq: 13 Mar 2018 17:35

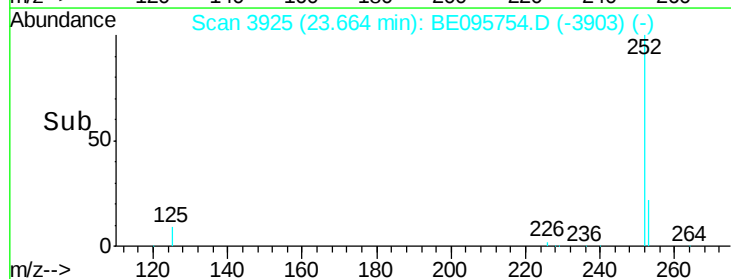
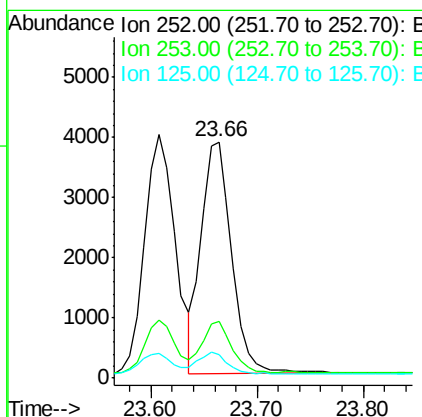
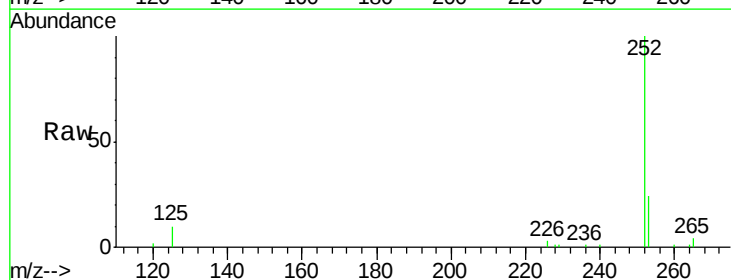
Instrument :
BNA_E
ClientSampleId :

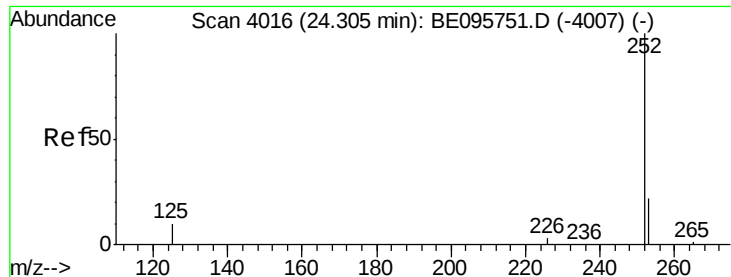
Tot Ion:252 Resp: 8035
Ion Ratio Lower Upper
252 100
253 23.6 0.0 64.2
125 10.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.406 ng/ul
RT: 23.66 min Scan# 3925
Delta R.T. 0.01 min
Lab File: BE095754.D
Acq: 13 Mar 2018 17:35

Tgt Ion:252 Resp: 7691
Ion Ratio Lower Upper
252 100
253 23.8 24.5 36.7#
125 10.2 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.406 ng/ul

RT: 24.30 min Scan# 4016

Delta R.T. -0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

Instrument :

BNA_E

ClientSampleId :

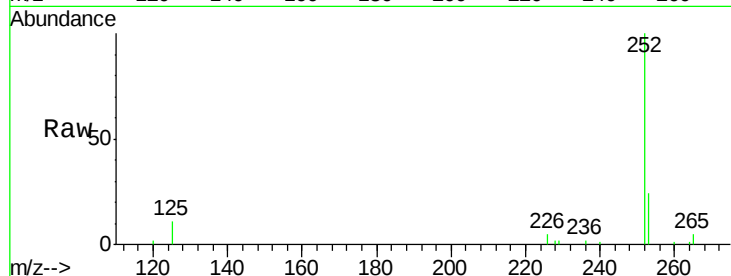
Tot Ion:252 Resp: 7381

Ion Ratio Lower Upper

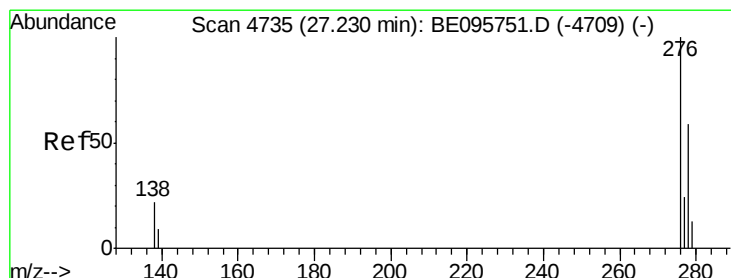
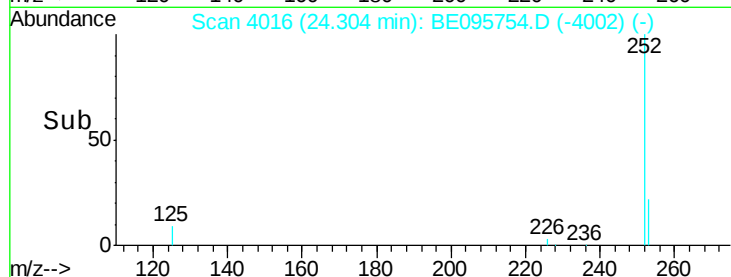
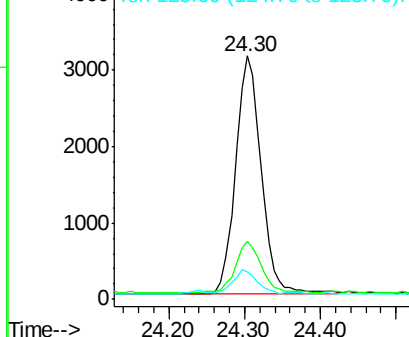
252 100

253 23.7 28.5 42.7#

125 11.2 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: 0.404 ng/ul

RT: 27.23 min Scan# 4735

Delta R.T. -0.00 min

Lab File: BE095754.D

Acq: 13 Mar 2018 17:35

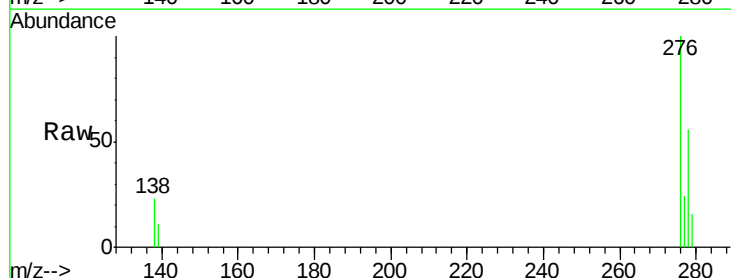
Tgt Ion:276 Resp: 8131

Ion Ratio Lower Upper

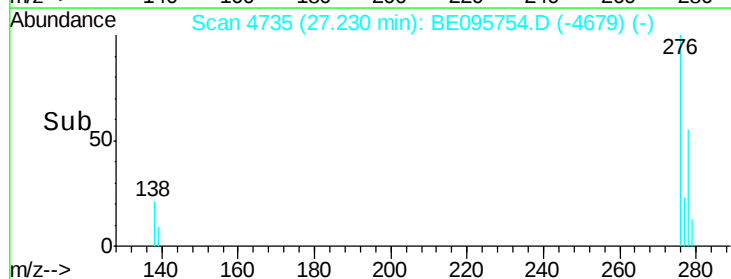
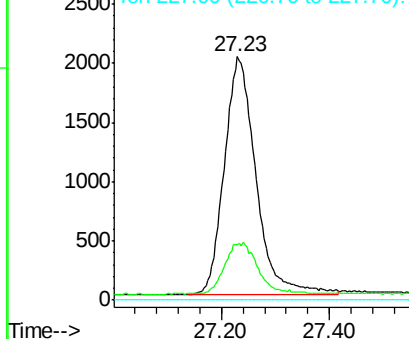
276 100

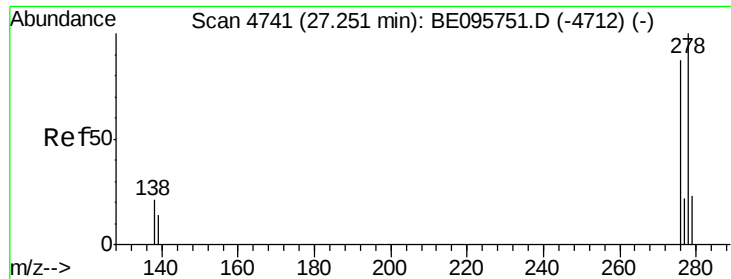
138 22.2 28.0 42.0#

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

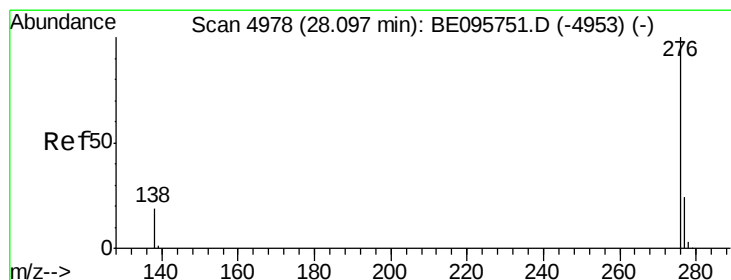
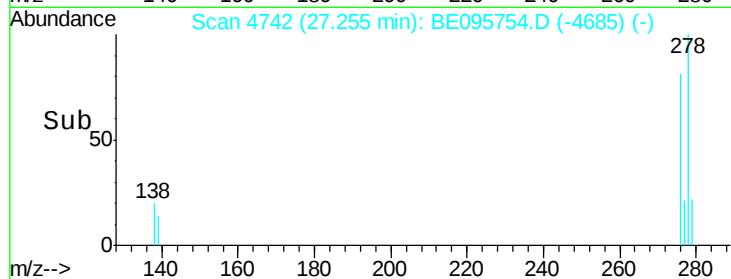
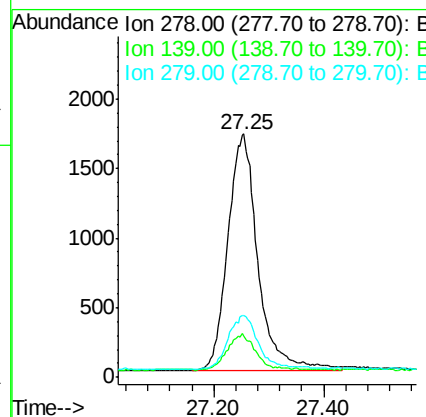
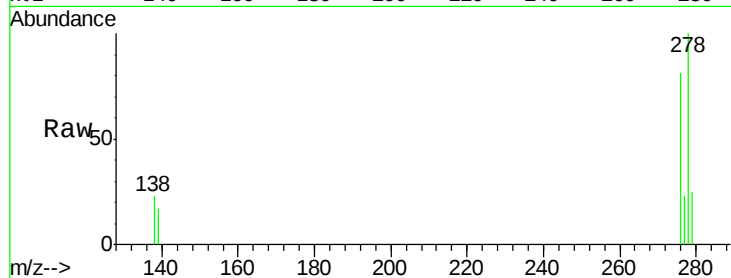




#25
Dibenzo(a,h)anthracene
Concen: 0.400 ng/u1
RT: 27.25 min Scan# 4742
Delta R.T. 0.00 min
Lab File: BE095754.D
Acq: 13 Mar 2018 17:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 6447
Ion Ratio Lower Upper
278 100
139 17.0 17.4 26.0#
279 25.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.406 ng/u1
RT: 28.11 min Scan# 4981
Delta R.T. 0.01 min
Lab File: BE095754.D
Acq: 13 Mar 2018 17:35

Tgt Ion:276 Resp: 7035
Ion Ratio Lower Upper
276 100
138 21.8 21.8 32.8#
277 26.1 20.5 30.7

