

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031318\
 Data File : BE095749.D
 Acq On : 13 Mar 2018 14:33
 Operator : SJ/JU
 Sample : SST00.410
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 13 16:25:20 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 16:24:15 2018
 Response via : Initial Calibration

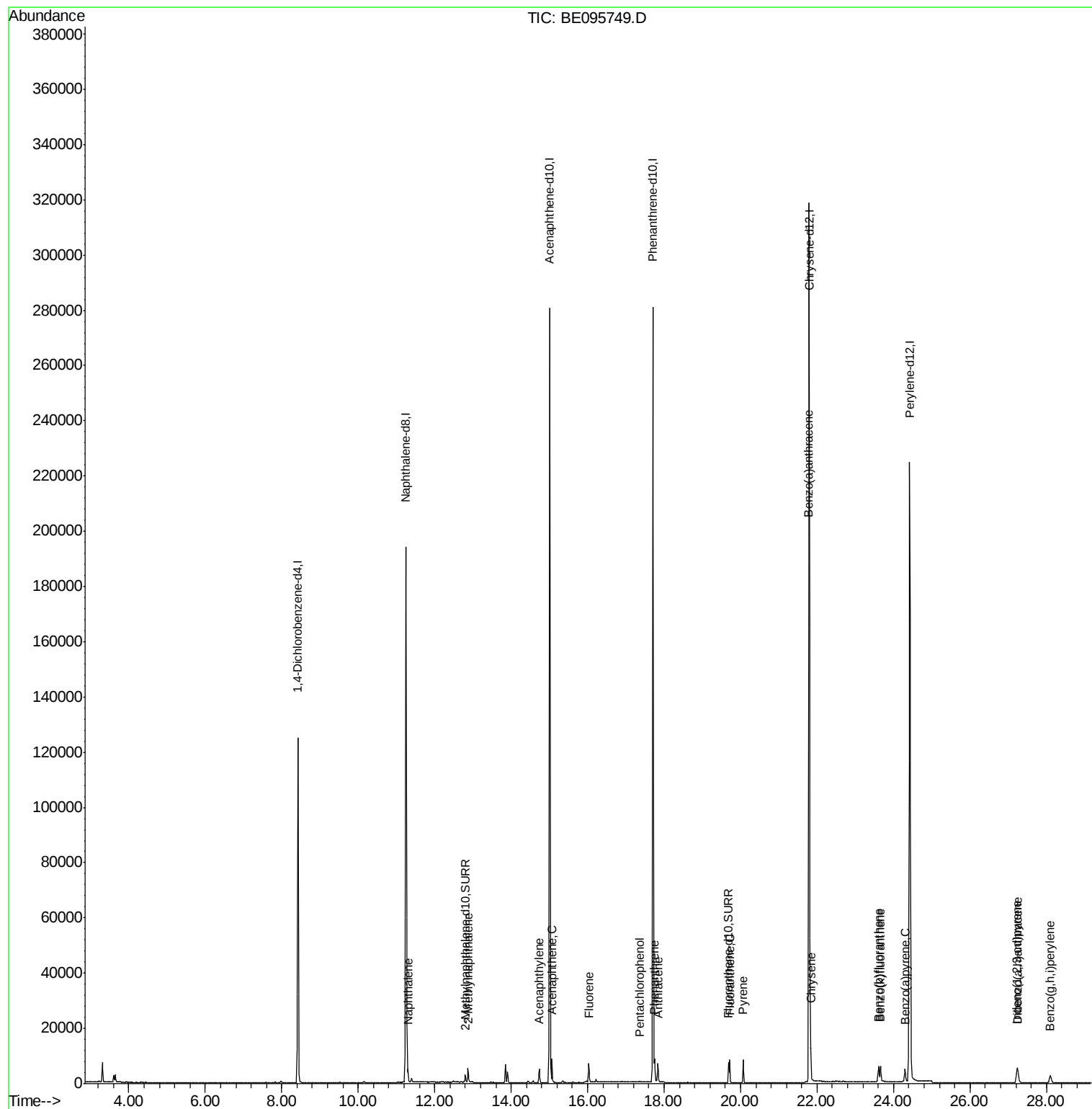
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	72892	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	257279	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	152238	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	333226	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	336560	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	334842	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	3591	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8197	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	6058	0.008	ng/ul#	89
5) 2-Methylnaphthalene	12.87	142	4055	0.008	ng/ul	100
7) Acenaphthylene	14.74	152	5905	0.008	ng/ul	98
8) Acenaphthene	15.07	153	4737	0.008	ng/ul	93
9) Fluorene	16.04	166	4775	0.008	ng/ul	95
11) Pentachlorophenol	17.37	266	304	0.005	ng/ul	92
12) Phenanthrene	17.75	178	8483	0.008	ng/ul#	89
13) Anthracene	17.84	178	7610	0.007	ng/ul#	92
15) Fluoranthene	19.72	202	9414	0.006	ng/ul	85
17) Pyrene	20.07	202	10376	0.009	ng/ul#	80
18) Benzo(a)anthracene	21.78	228	9766	0.009	ng/ul#	86
19) Chrysene	21.84	228	9287	0.008	ng/ul	97
21) Benzo(b)fluoranthene	23.61	252	8307	0.007	ng/ul	84
22) Benzo(k)fluoranthene	23.66	252	7739	0.007	ng/ul#	86
23) Benzo(a)pyrene	24.30	252	7393	0.007	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.23	276	8333	0.007	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	6767	0.007	ng/ul#	89
26) Benzo(g,h,i)perylene	28.10	276	7215	0.007	ng/ul#	94

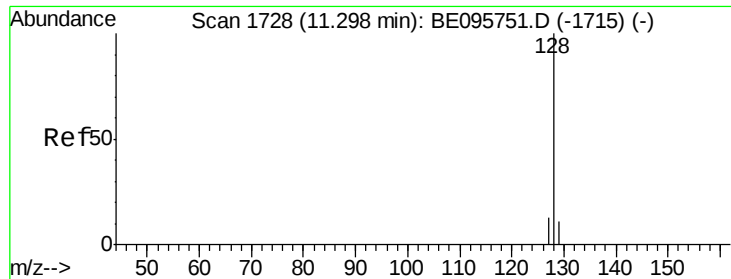
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.008 ng/ul

RT: 11.30 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

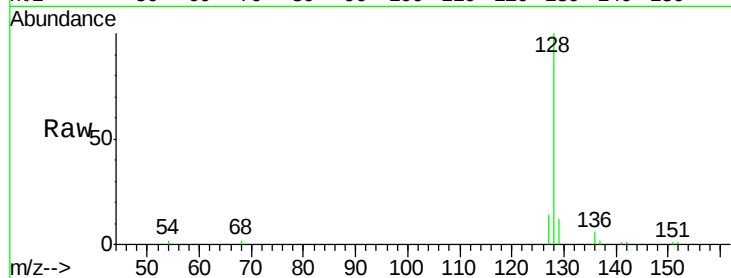
Tot Ion:128 Resp: 6058

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

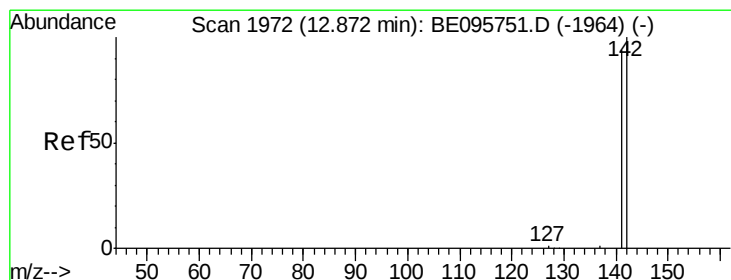
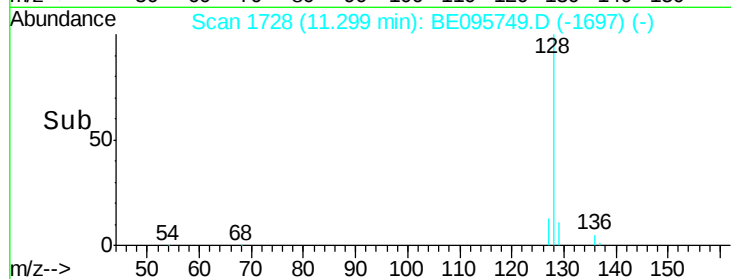
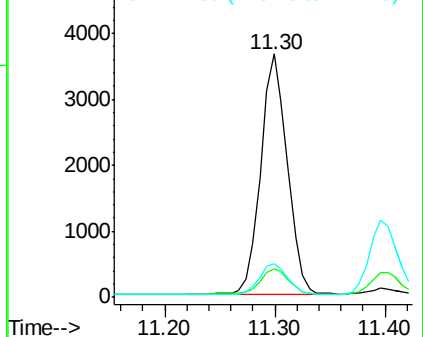
127 13.7 4.0 6.0#



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: 0.008 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE095749.D

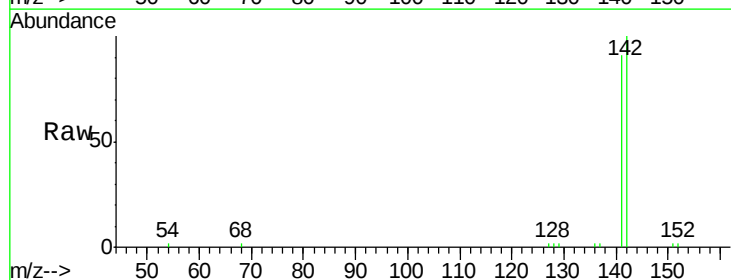
Acq: 13 Mar 2018 14:33

Tgt Ion:142 Resp: 4055

Ion Ratio Lower Upper

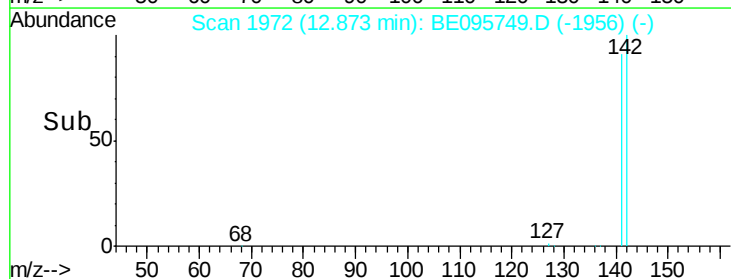
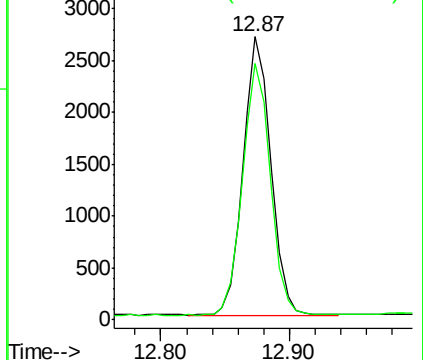
142 100

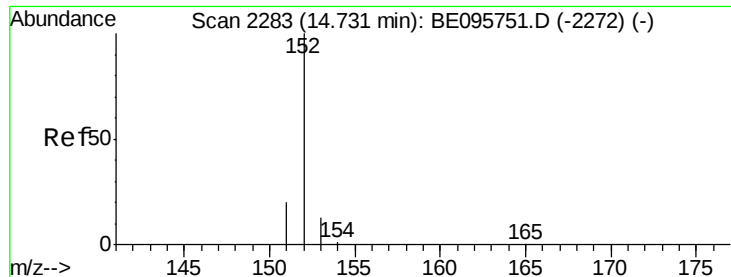
141 90.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.008 ng/ul

RT: 14.74 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

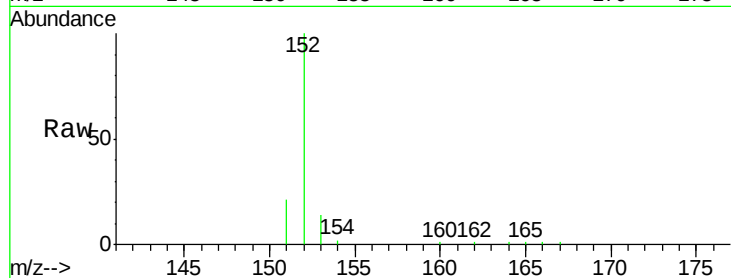
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 5905

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.1	25.7
153	14.2	12.8	19.2

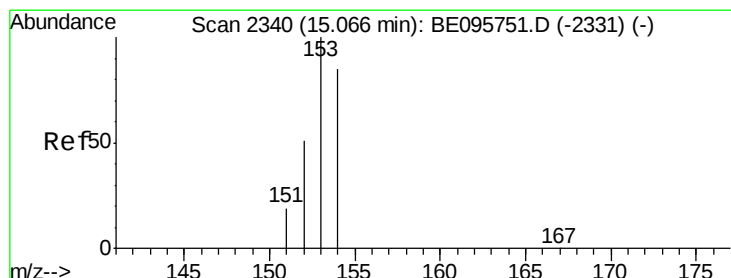
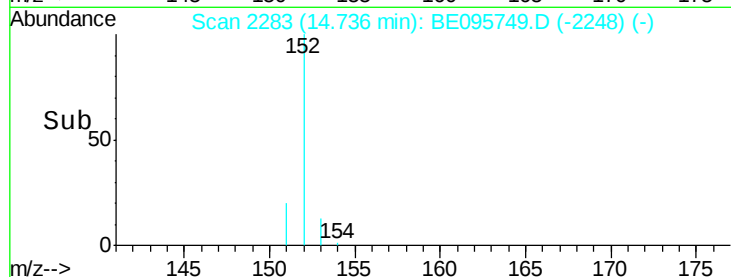
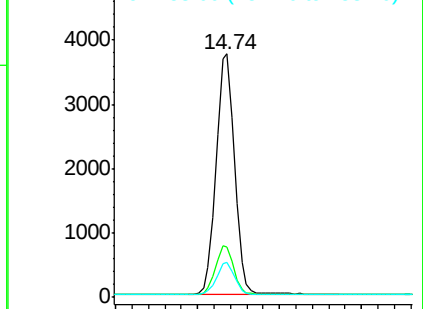


Abundance

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: 0.008 ng/ul

RT: 15.07 min Scan# 2339

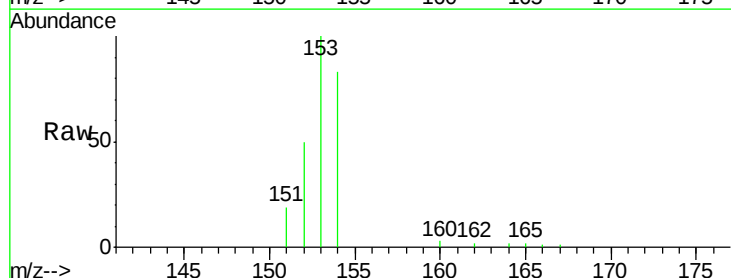
Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Tgt Ion:153 Resp: 4737

Ion	Ratio	Lower	Upper
153	100		
152	50.2	36.0	54.0
154	83.2	72.0	108.0

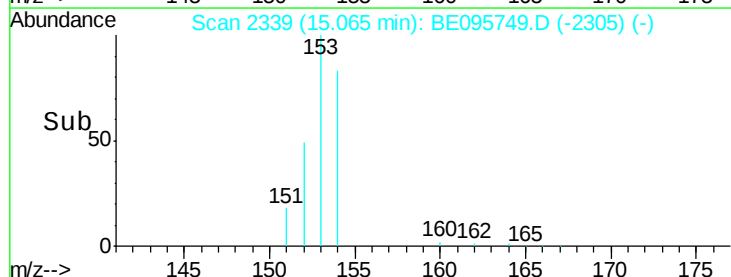
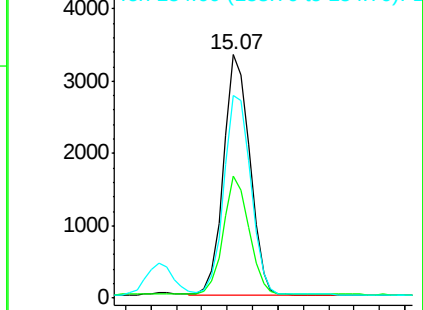


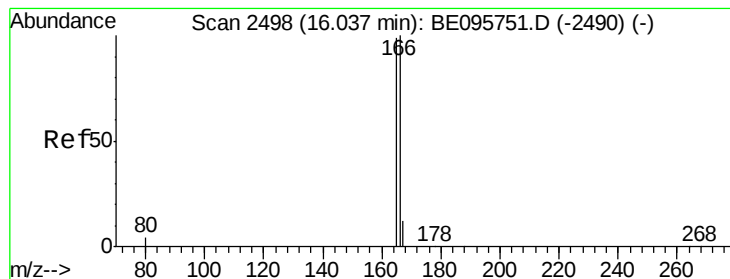
Abundance

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: 0.008 ng/ul

RT: 16.04 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

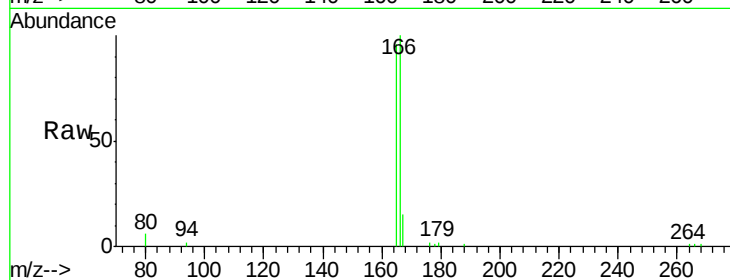
Tot Ion:166 Resp: 4775

Ion Ratio Lower Upper

166 100

165 96.1 73.4 110.2

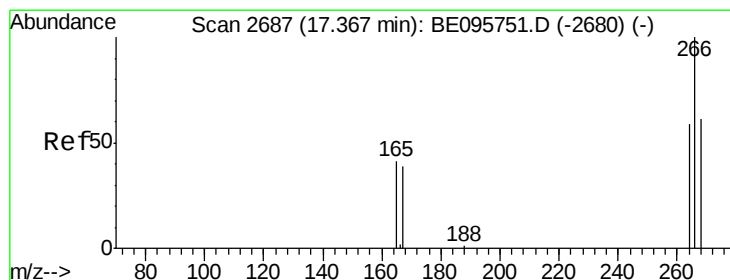
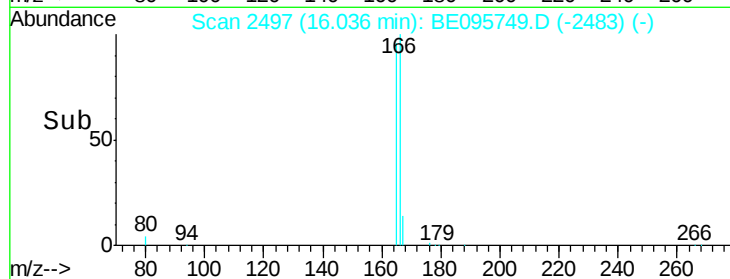
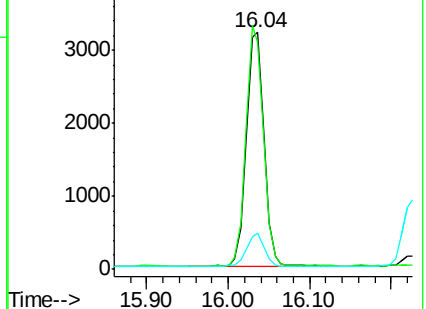
167 15.1 14.6 22.0



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: 0.005 ng/ul

RT: 17.37 min Scan# 2686

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

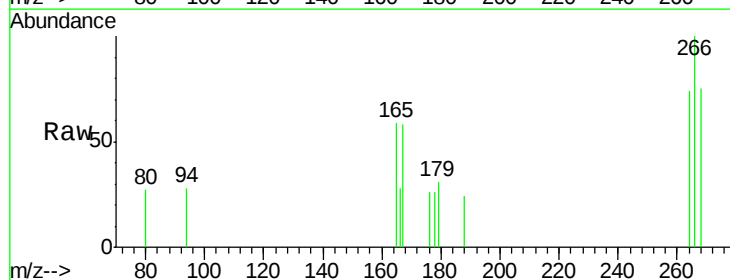
Tgt Ion:266 Resp: 304

Ion Ratio Lower Upper

266 100

264 54.6 47.9 71.9

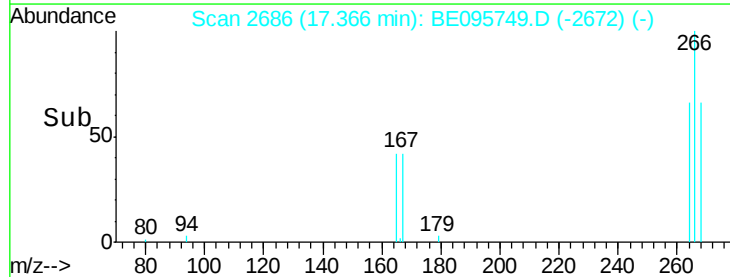
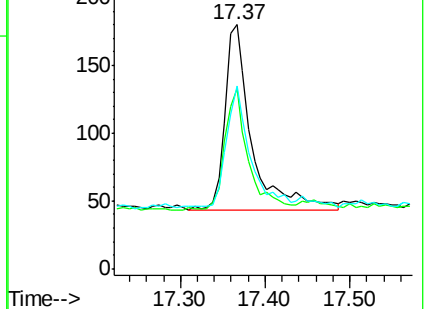
268 55.9 49.8 74.8

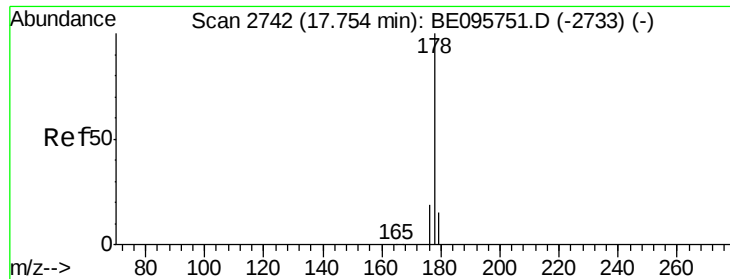


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.008 ng/ul

RT: 17.75 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

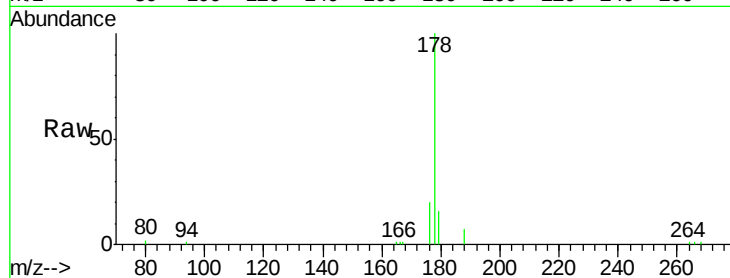
Tot Ion:178 Resp: 8483

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

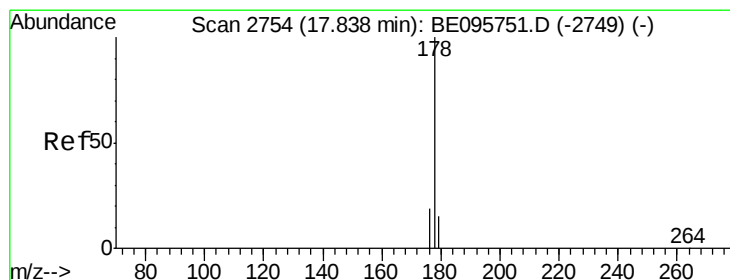
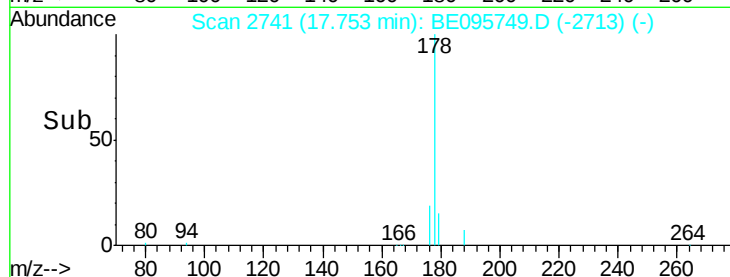
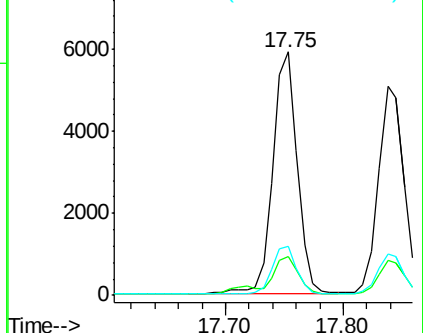
176 19.9 13.6 20.4



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: 0.007 ng/ul

RT: 17.84 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

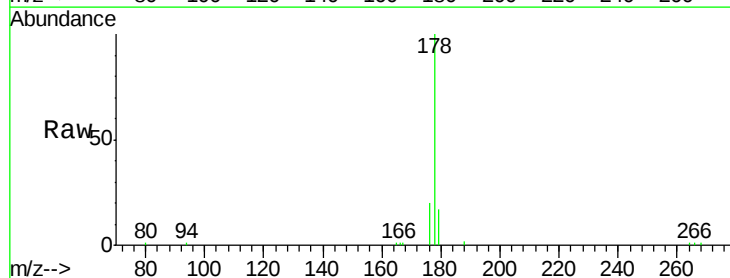
Tgt Ion:178 Resp: 7610

Ion Ratio Lower Upper

178 100

179 16.6 18.1 27.1#

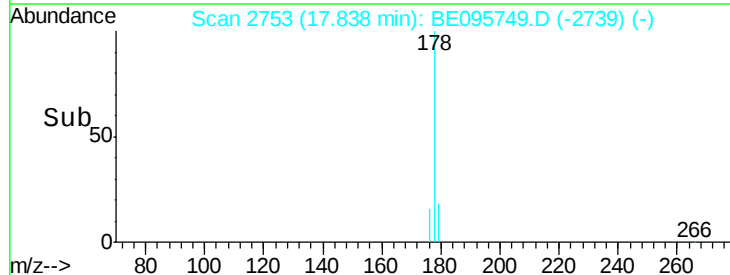
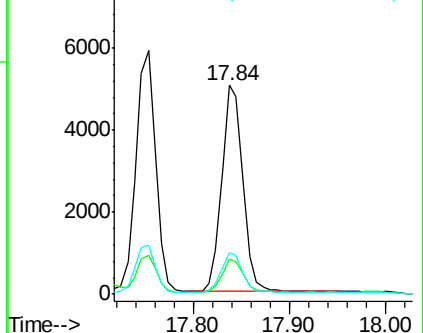
176 20.0 14.7 22.1

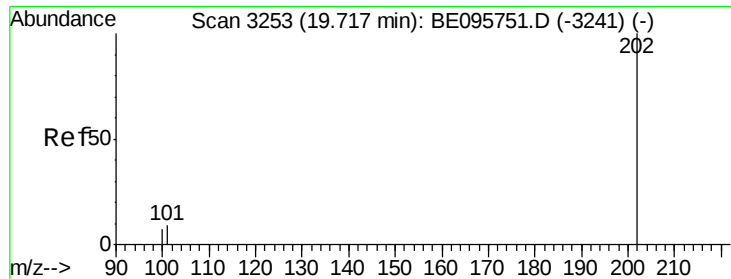


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.006 ng/ul

RT: 19.72 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

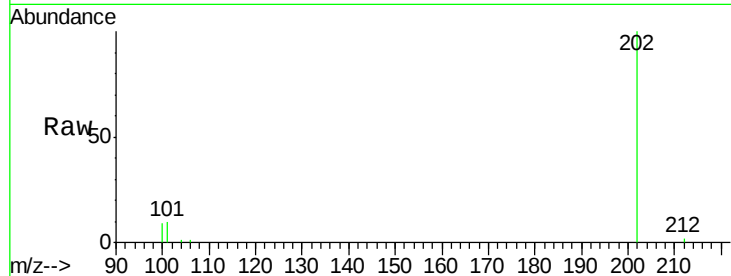
Tot Ion:202 Resp: 9414

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

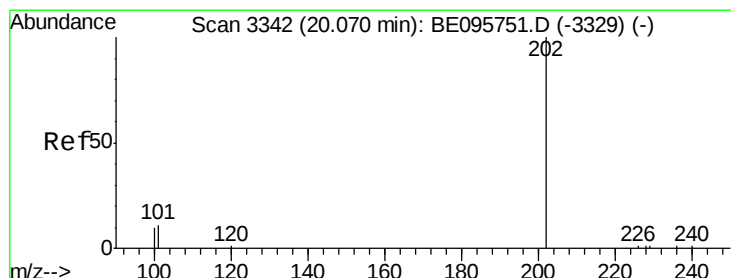
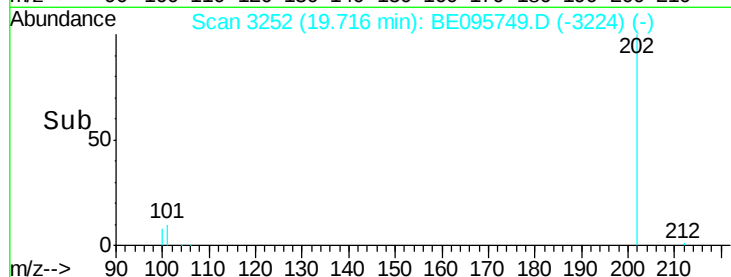
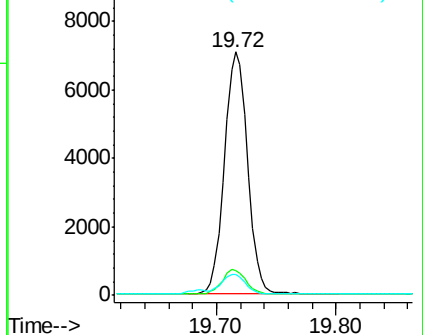
100 8.8 0.0 39.5



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: 0.009 ng/ul

RT: 20.07 min Scan# 3341

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

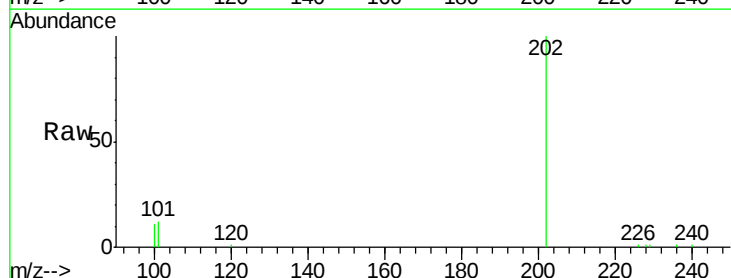
Tgt Ion:202 Resp: 10376

Ion Ratio Lower Upper

202 100

101 12.2 18.2 27.4#

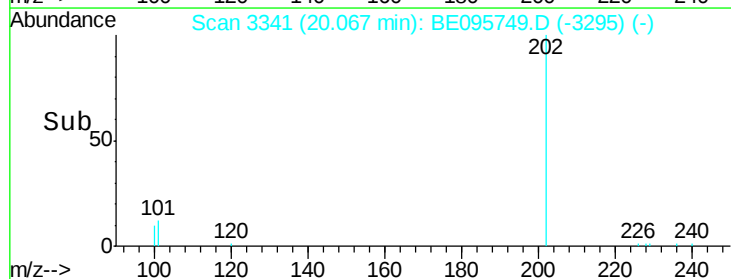
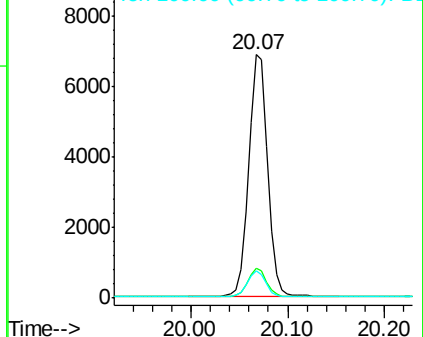
100 10.9 15.6 23.4#

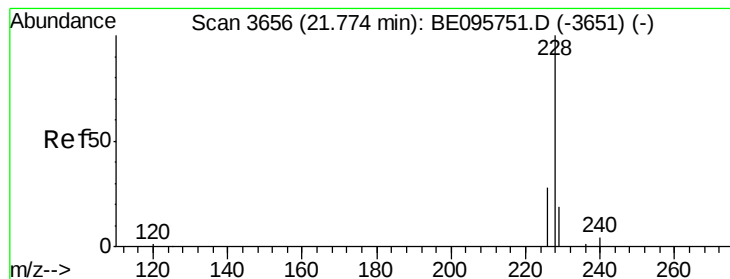


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.009 ng/ul

RT: 21.78 min Scan# 3657

Delta R.T. 0.01 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

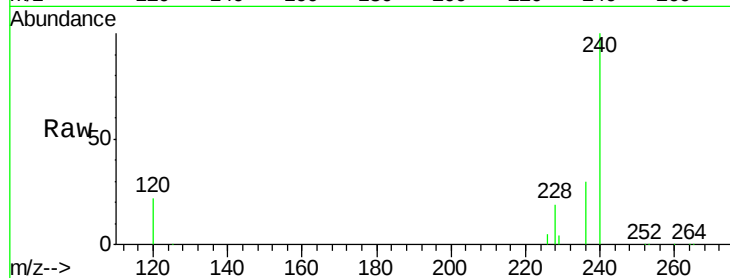
Tot Ion:228 Resp: 9766

Ion Ratio Lower Upper

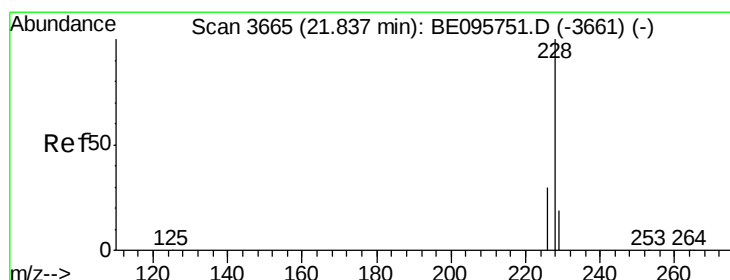
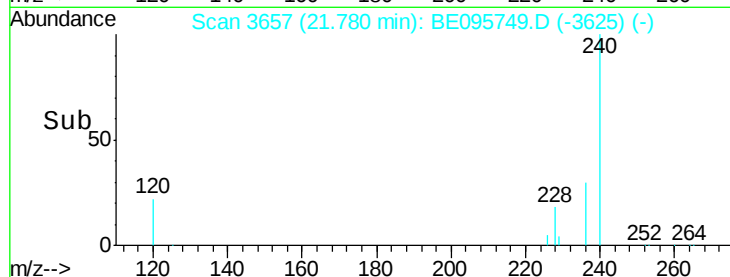
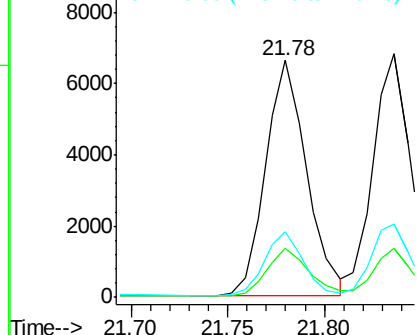
228 100

229 20.5 22.8 34.2#

226 27.6 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: 0.008 ng/ul

RT: 21.84 min Scan# 3665

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

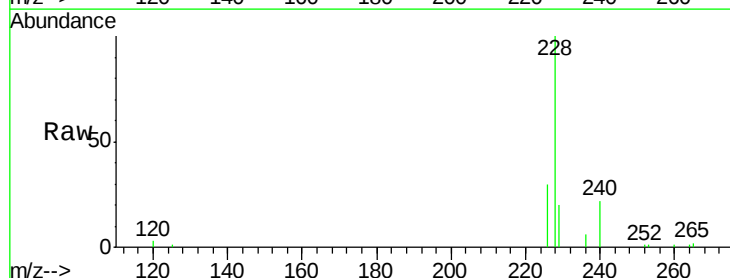
Tgt Ion:228 Resp: 9287

Ion Ratio Lower Upper

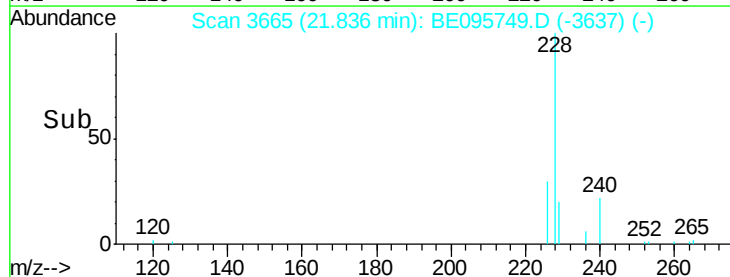
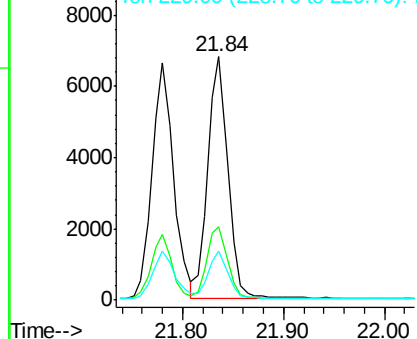
228 100

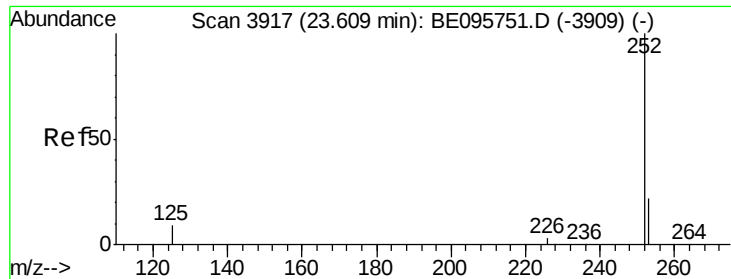
226 30.3 23.4 35.0

229 20.3 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

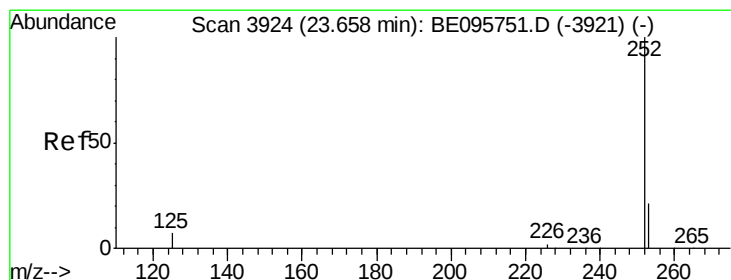
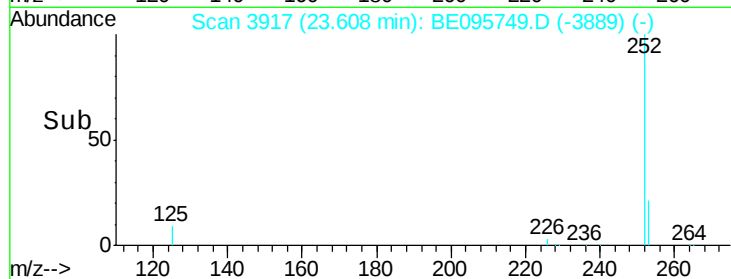
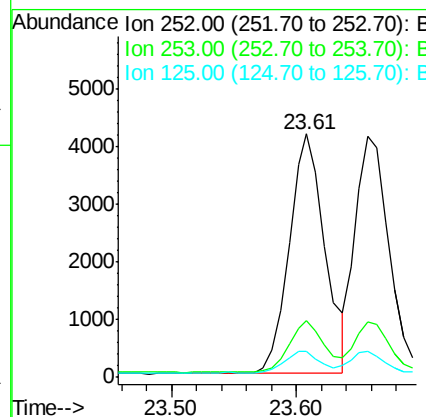
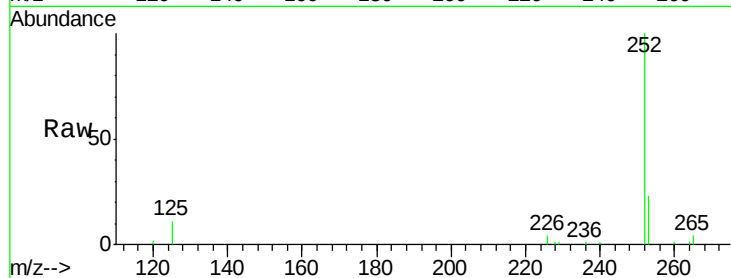




#21
Benzo(b)fluoranthene
Concen: 0.007 ng/ul
RT: 23.61 min Scan# 3917
Delta R.T. -0.00 min
Lab File: BE095749.D
Acq: 13 Mar 2018 14:33

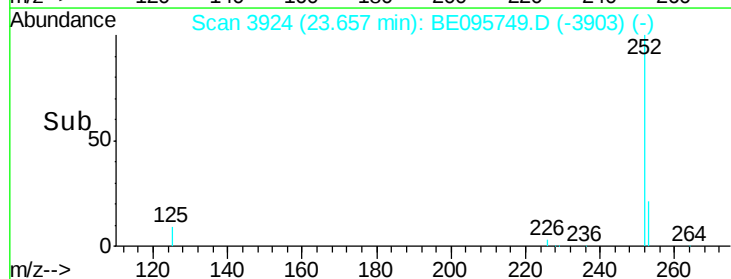
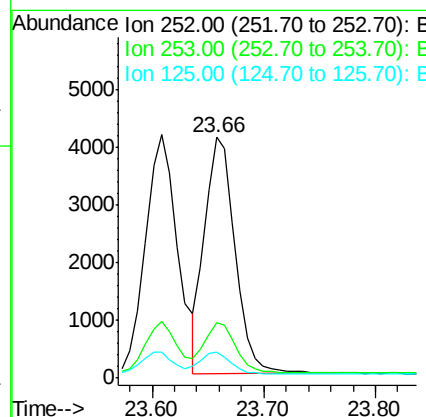
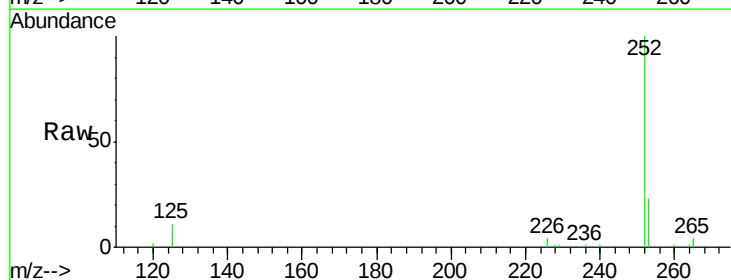
Instrument :
BNA_E
ClientSampleId :

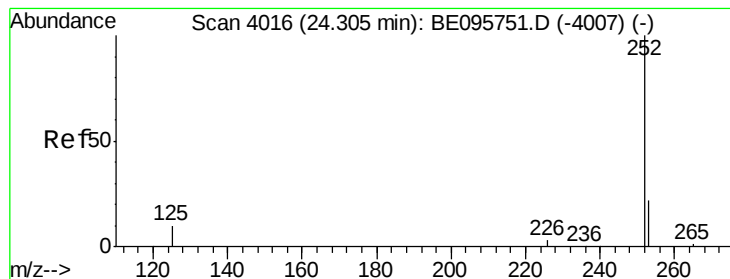
Tot Ion:252 Resp: 8307
Ion Ratio Lower Upper
252 100
253 23.1 0.0 64.2
125 10.8 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.007 ng/ul
RT: 23.66 min Scan# 3924
Delta R.T. -0.00 min
Lab File: BE095749.D
Acq: 13 Mar 2018 14:33

Tgt Ion:252 Resp: 7739
Ion Ratio Lower Upper
252 100
253 23.1 24.5 36.7#
125 10.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.007 ng/ul

RT: 24.30 min Scan# 4016

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

Instrument :

BNA_E

ClientSampleId :

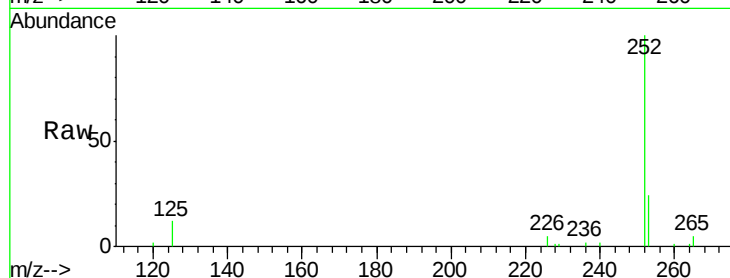
Tot Ion:252 Resp: 7393

Ion Ratio Lower Upper

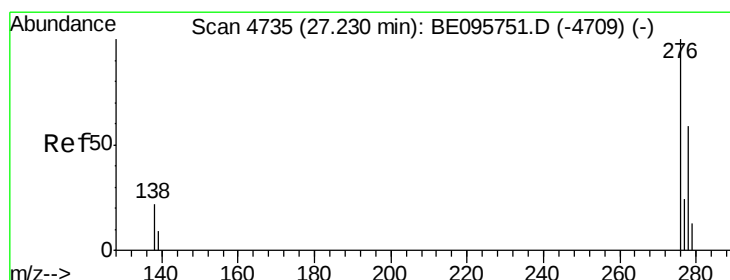
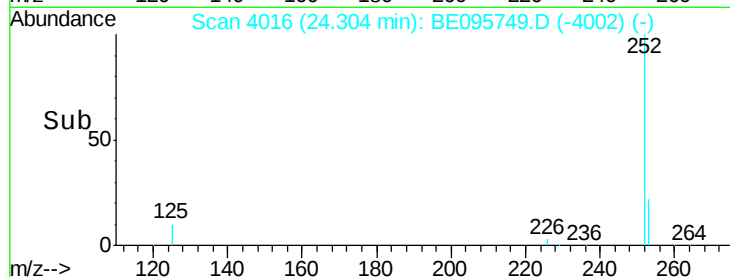
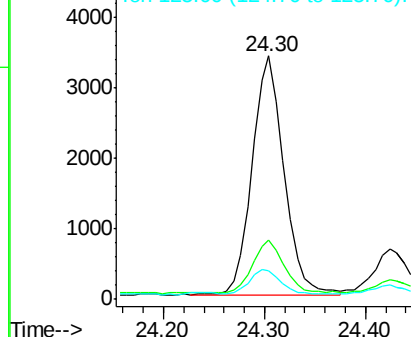
252 100

253 24.1 28.5 42.7#

125 11.6 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: 0.007 ng/ul

RT: 27.23 min Scan# 4735

Delta R.T. -0.00 min

Lab File: BE095749.D

Acq: 13 Mar 2018 14:33

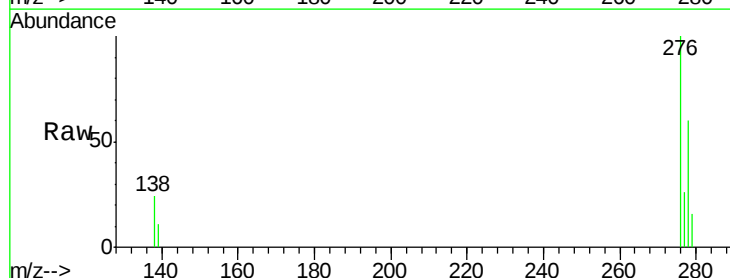
Tgt Ion:276 Resp: 8333

Ion Ratio Lower Upper

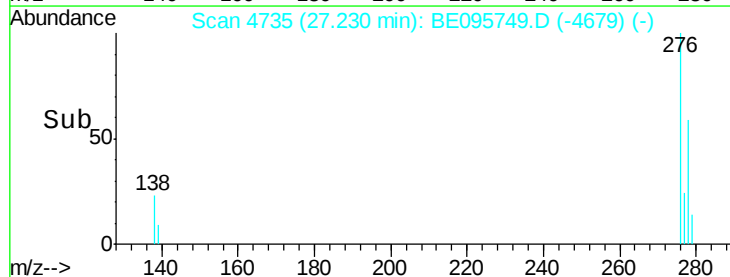
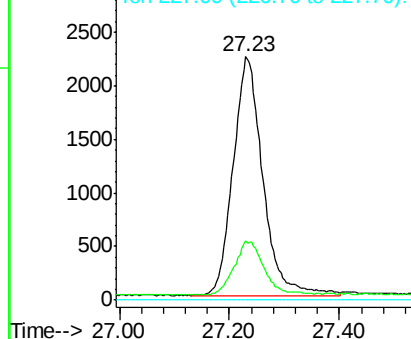
276 100

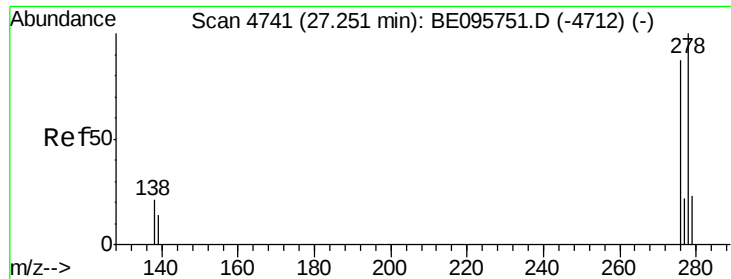
138 22.4 28.0 42.0#

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

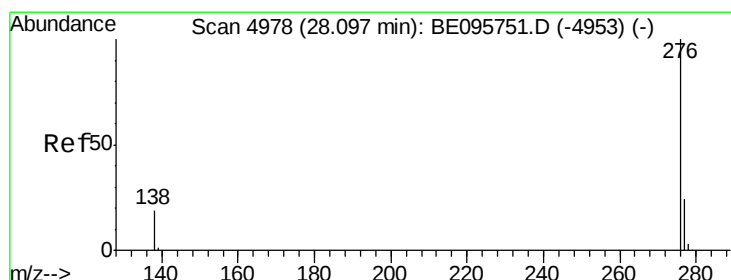
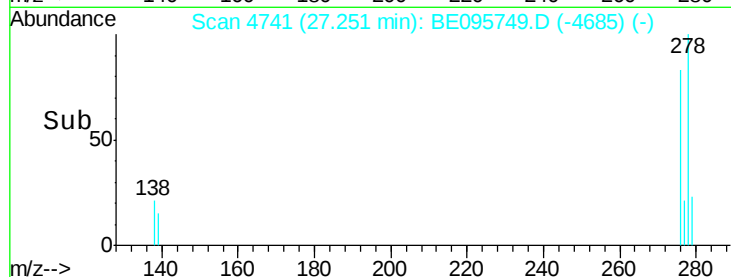
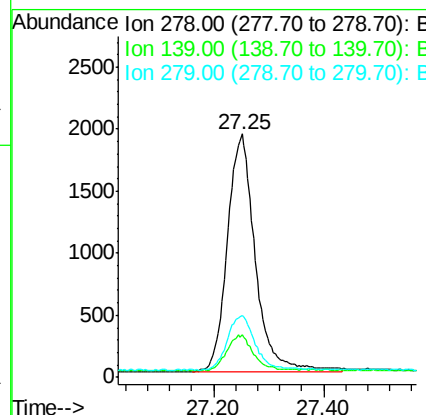
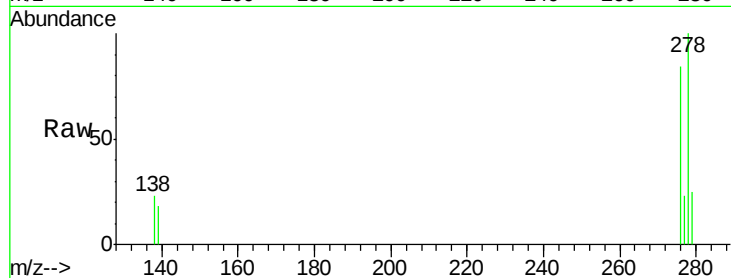




#25
Dibenzo(a,h)anthracene
Concen: 0.007 ng/ul
RT: 27.25 min Scan# 4741
Delta R.T. -0.00 min
Lab File: BE095749.D
Acq: 13 Mar 2018 14:33

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 6767
Ion Ratio Lower Upper
278 100
139 17.6 17.4 26.0
279 25.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.007 ng/ul
RT: 28.10 min Scan# 4980
Delta R.T. 0.01 min
Lab File: BE095749.D
Acq: 13 Mar 2018 14:33

Tgt Ion:276 Resp: 7215
Ion Ratio Lower Upper
276 100
138 21.7 21.8 32.8#
277 26.2 20.5 30.7

