

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095313.D
 Acq On : 31 Jan 2018 12:35
 Operator : SJ/JU
 Sample : J1244-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 14:26:48 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 11:55:47 2018
 Response via : Initial Calibration

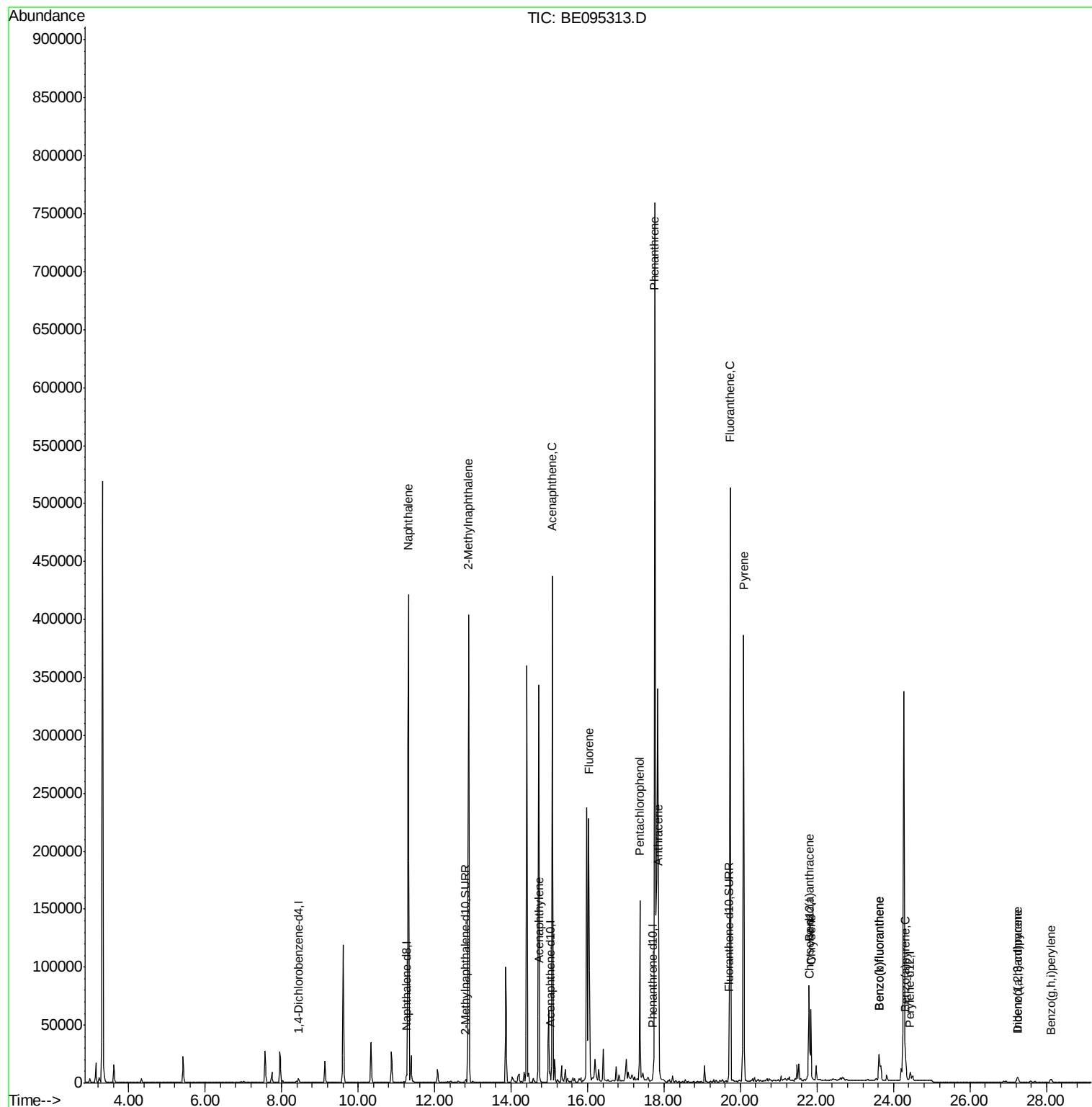
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2580	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	8206	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	5155	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10705	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	10929	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	11684	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.82	152	3072	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	7750	0.19	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.31	128	594910	25.890	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	329929	21.503	ng/ul	100
7) Acenaphthylene	14.74	152	5766	0.232	ng/ul#	80
8) Acenaphthene	15.08	153	265299	13.788	ng/ul	97
9) Fluorene	16.02	166	204135	10.288	ng/ul#	74
11) Pentachlorophenol	17.36	266	88823	42.839	ng/ul	96
12) Phenanthrene	17.75	178	939398	26.092	ng/ul#	84
13) Anthracene	17.85	178	149408	4.534	ng/ul#	91
15) Fluoranthene	19.73	202	585345	12.556	ng/ul	82
17) Pyrene	20.08	202	424510	11.576	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	93170	2.727	ng/ul#	86
19) Chrysene	21.84	228	62206	1.753	ng/ul	98
21) Benzo(b)fluoranthene	23.63	252	61905	1.502	ng/ul	85
22) Benzo(k)fluoranthene	23.63	252	61905	1.642	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	25648	0.697	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.24	276	8419	0.209	ng/ul#	75
25) Dibenzo(a,h)anthracene	27.26	278	2717	0.082	ng/ul#	86
26) Benzo(g,h,i)perylene	28.12	276	6865	0.201	ng/ul	95

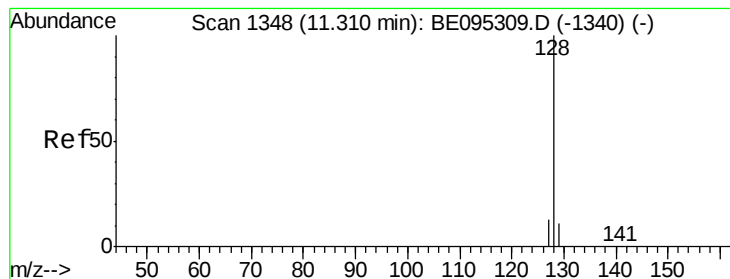
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 25.890 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

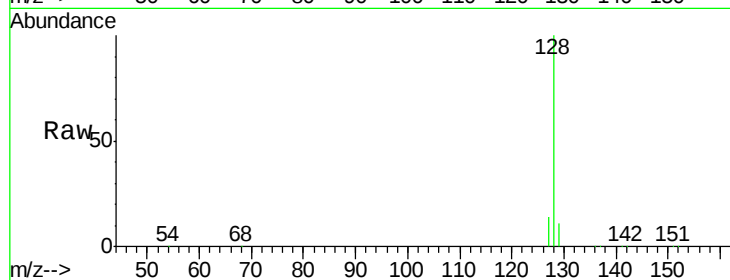
Tot Ion:128 Resp: 594910

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

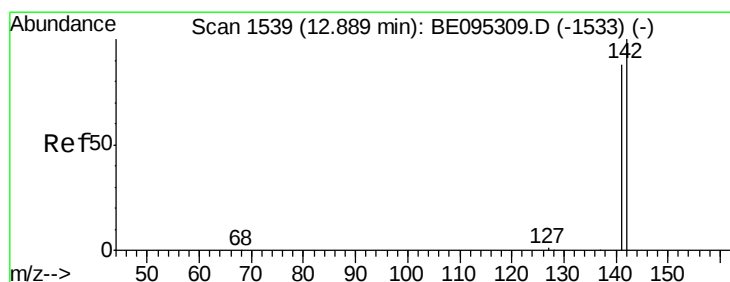
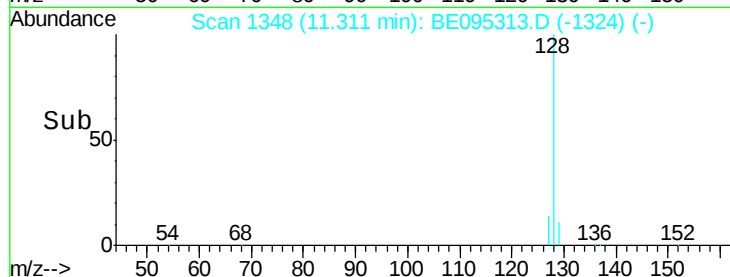
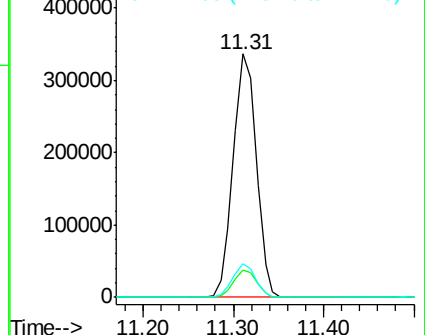
127 13.7 4.0 6.0#



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: 21.503 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095313.D

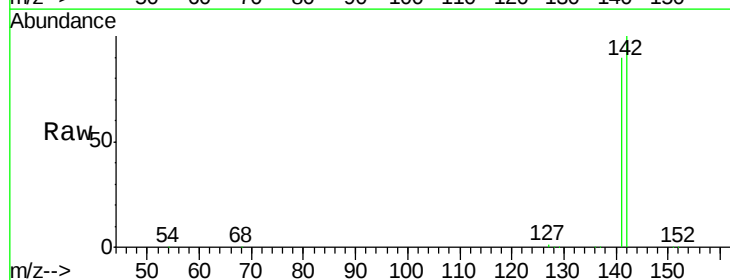
Acq: 31 Jan 2018 12:35

Tgt Ion:142 Resp: 329929

Ion Ratio Lower Upper

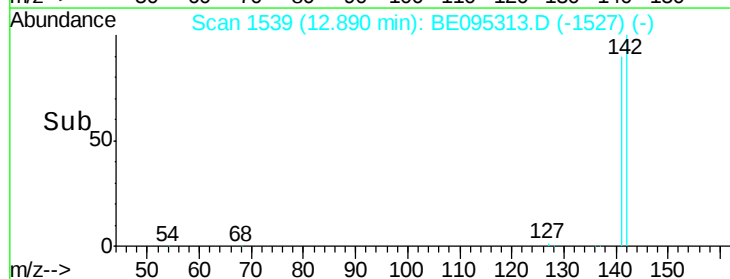
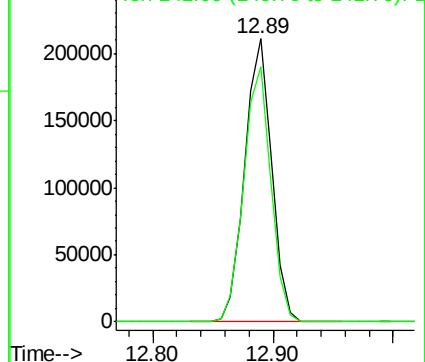
142 100

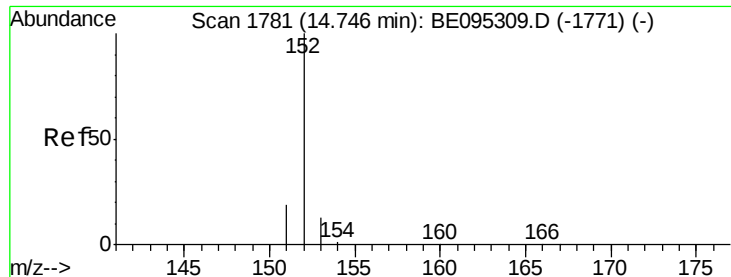
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.232 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

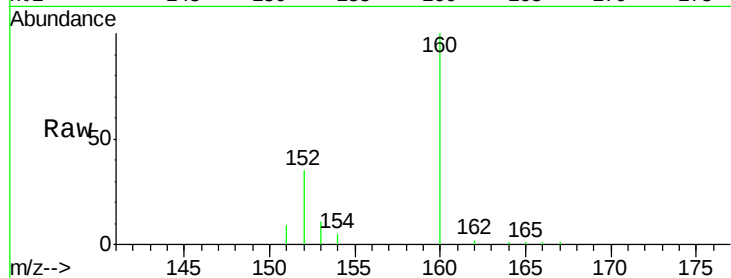
Tot Ion:152 Resp: 5766

Ion Ratio Lower Upper

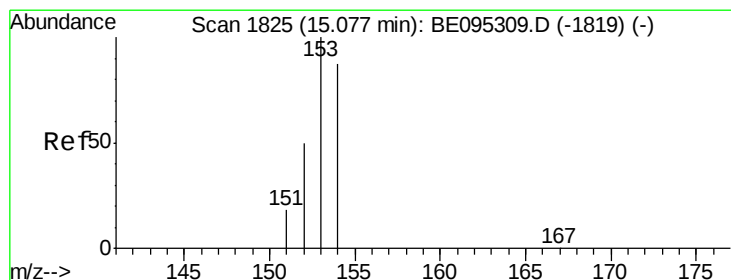
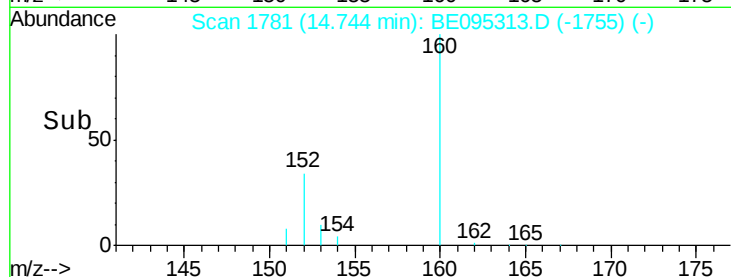
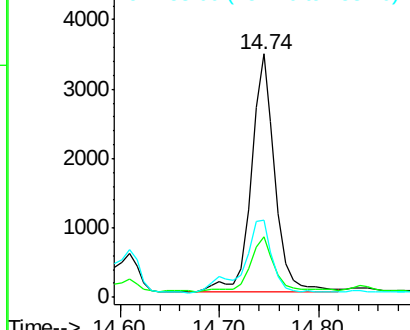
152 100

151 24.8 17.1 25.7

153 31.6 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: 13.788 ng/ul

RT: 15.08 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

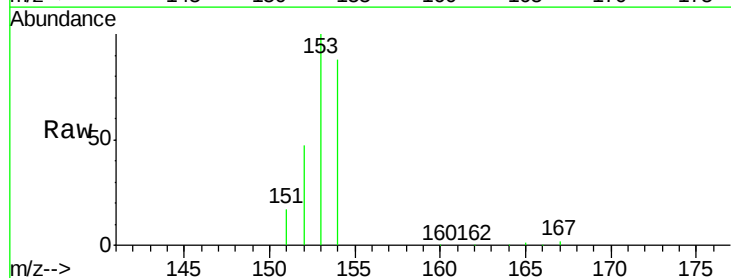
Tgt Ion:153 Resp: 265299

Ion Ratio Lower Upper

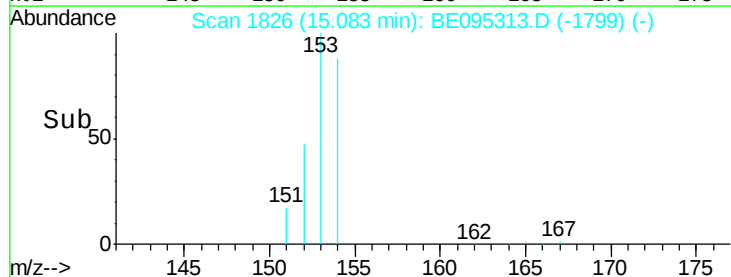
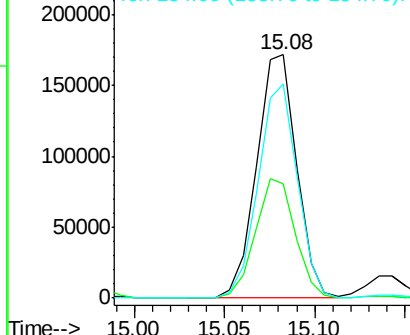
153 100

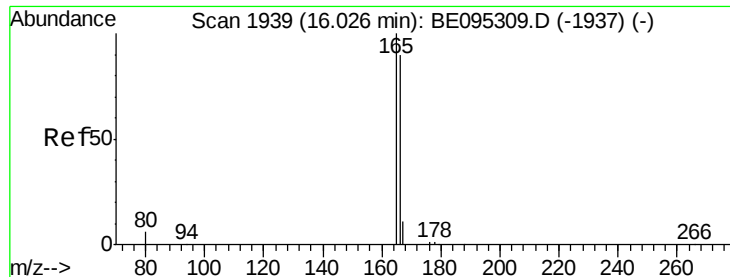
152 47.2 36.0 54.0

154 87.9 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: 10.288 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

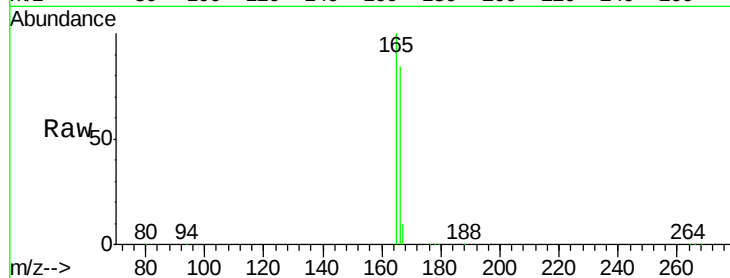
Tot Ion:166 Resp: 204135

Ion Ratio Lower Upper

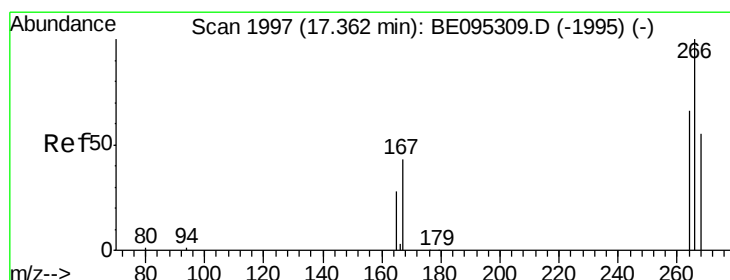
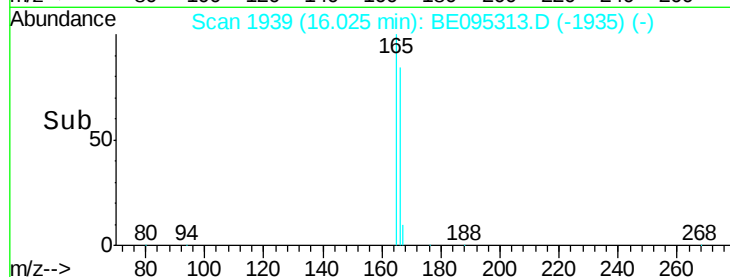
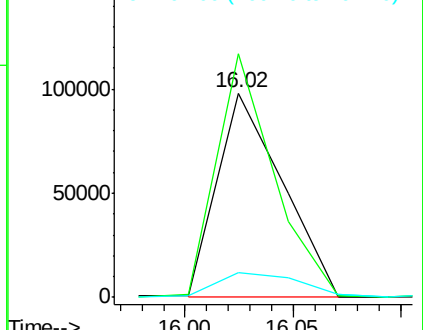
166 100

165 119.0 73.4 110.2#

167 12.2 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: 42.839 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

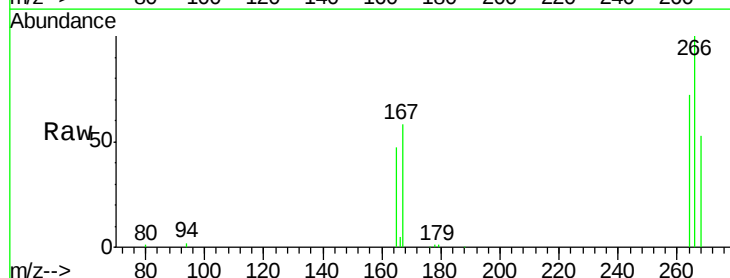
Tgt Ion:266 Resp: 88823

Ion Ratio Lower Upper

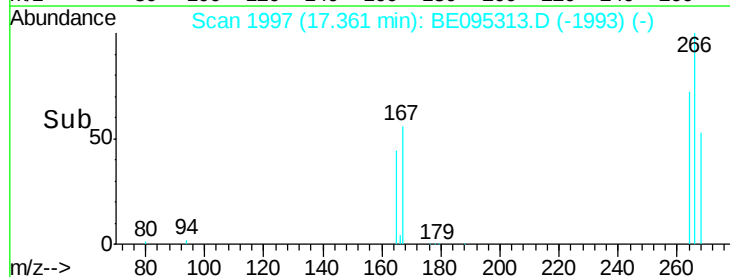
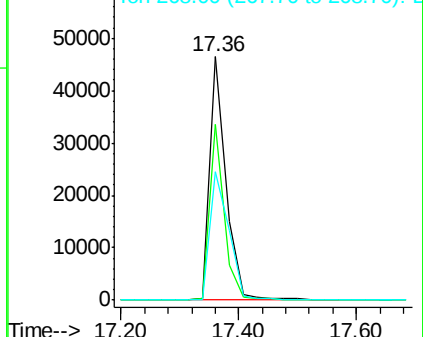
266 100

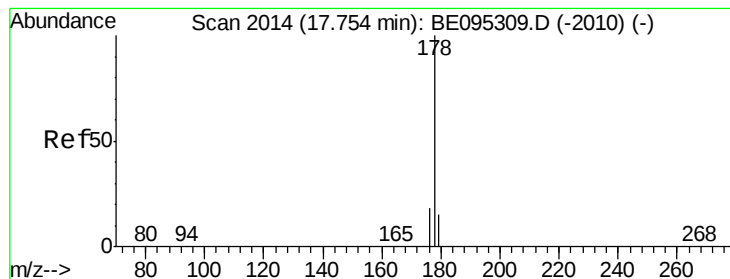
264 65.3 47.9 71.9

268 61.6 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: 26.092 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

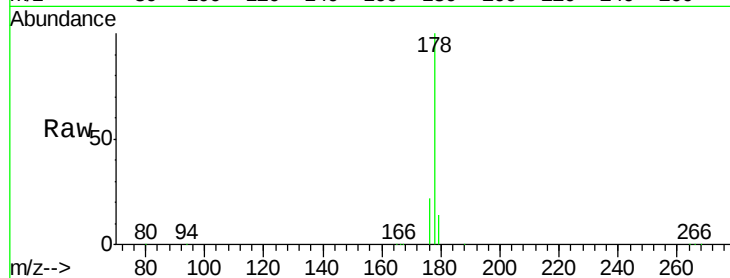
Tot Ion:178 Resp: 939398

Ion Ratio Lower Upper

178 100

179 14.0 18.4 27.6#

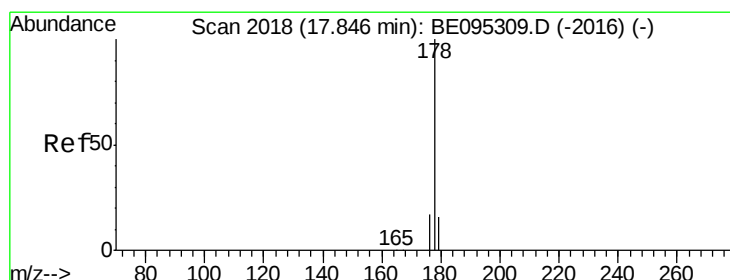
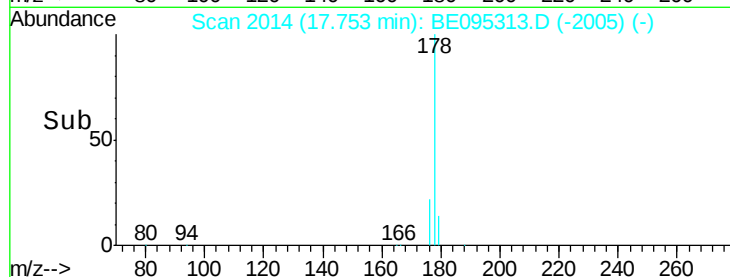
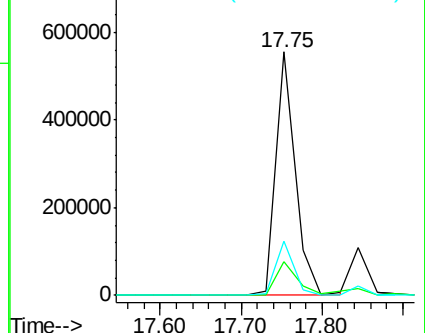
176 22.2 13.6 20.4#



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: 4.534 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

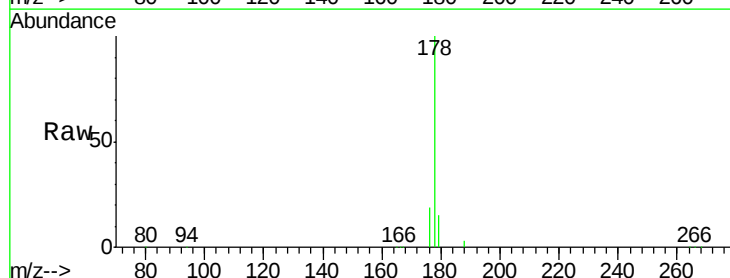
Tgt Ion:178 Resp: 149408

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

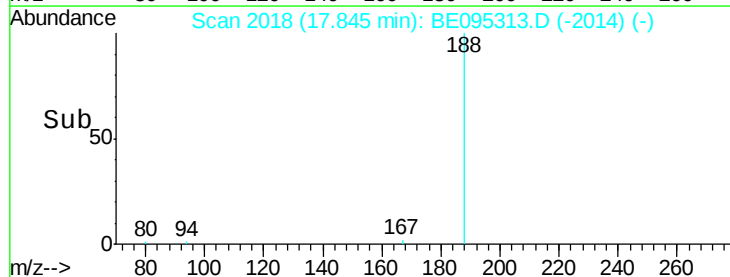
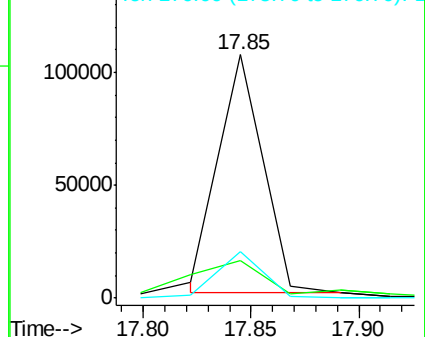
176 18.9 14.7 22.1

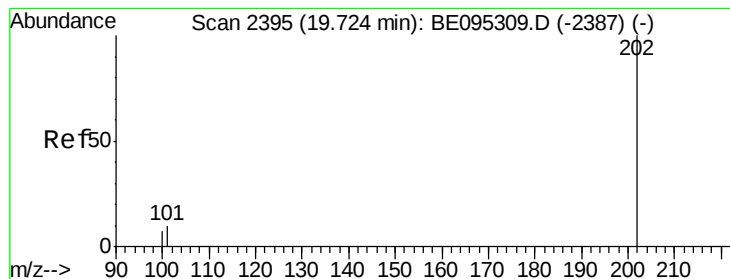


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 12.556 ng/ul

RT: 19.73 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampled :

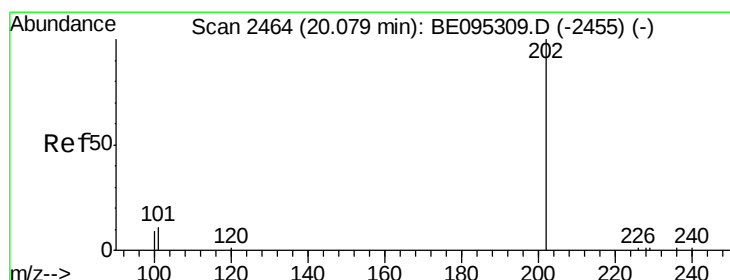
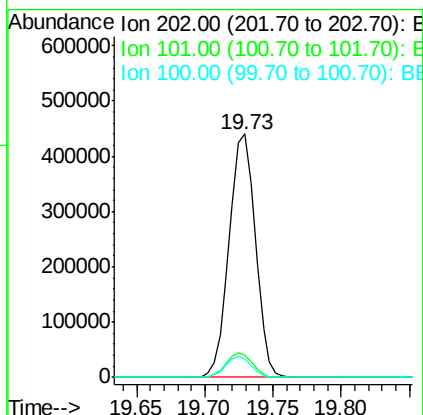
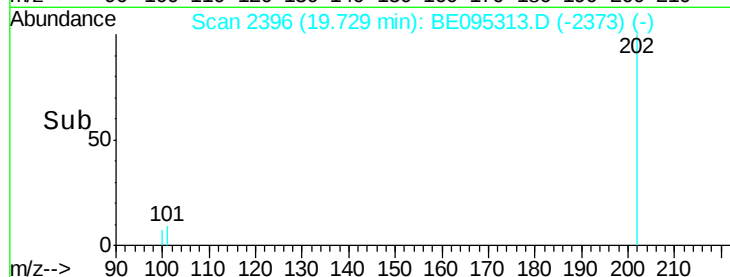
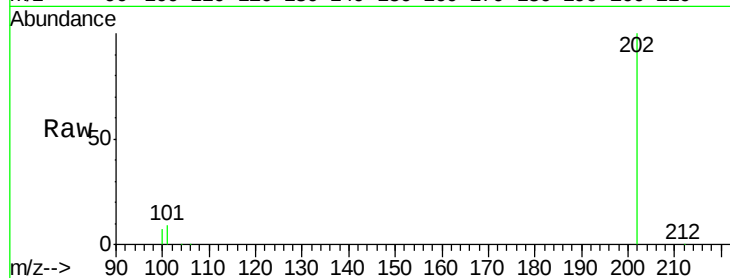
Tot Ion:202 Resp: 585345

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.3

100 7.4 0.0 39.5



#17

Pyrene

Concen: 11.576 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

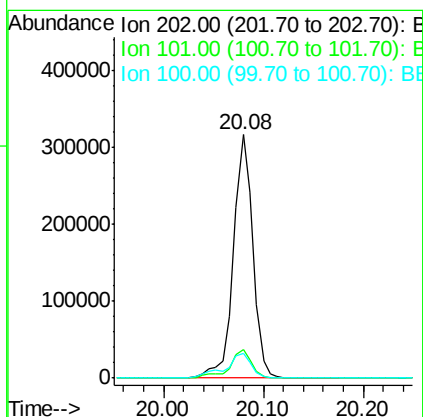
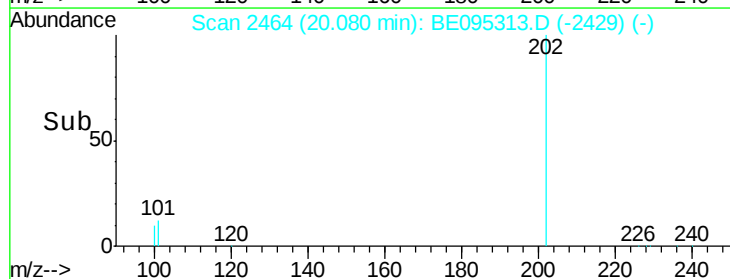
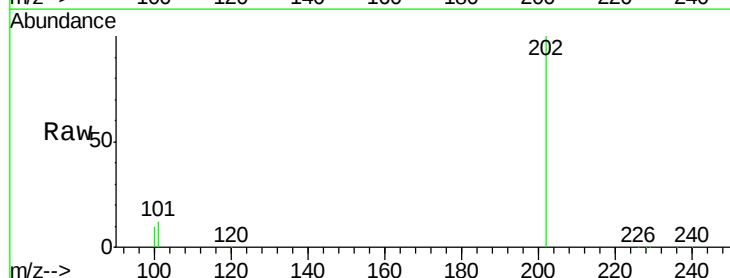
Tgt Ion:202 Resp: 424510

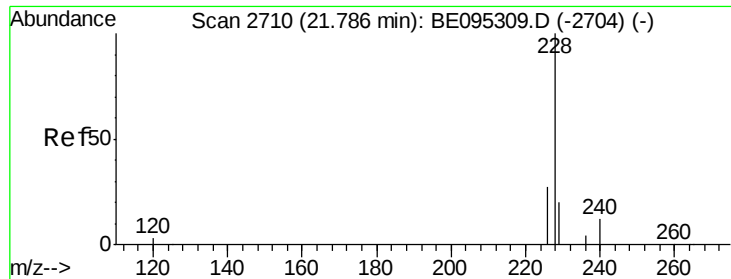
Ion Ratio Lower Upper

202 100

101 11.6 18.2 27.4#

100 10.4 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 2.727 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

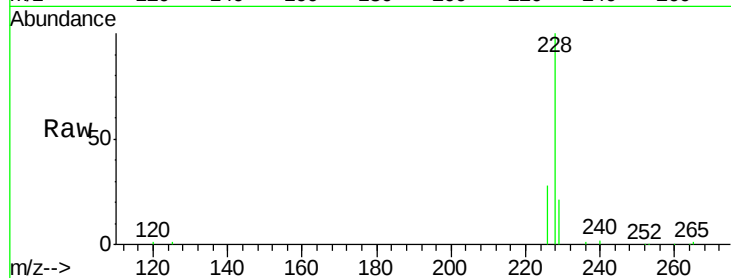
Tot Ion:228 Resp: 93170

Ion Ratio Lower Upper

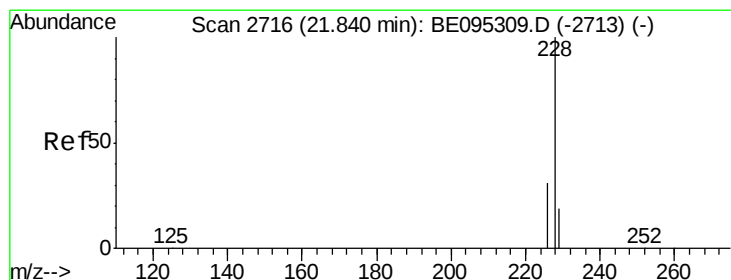
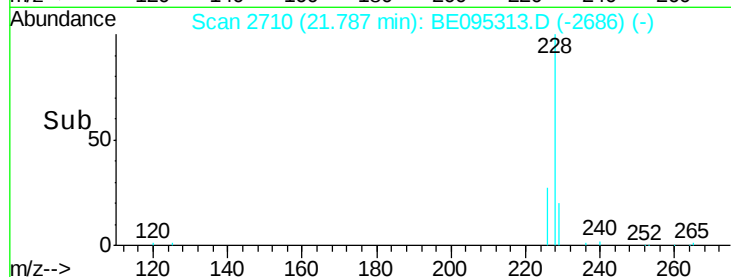
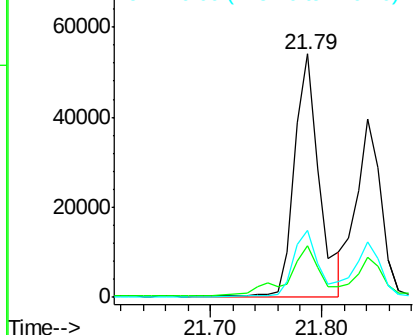
228 100

229 21.0 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: 1.753 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

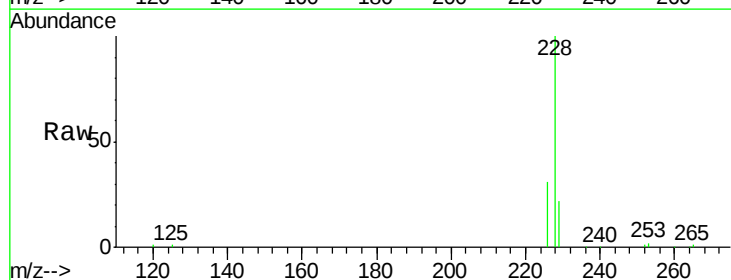
Tgt Ion:228 Resp: 62206

Ion Ratio Lower Upper

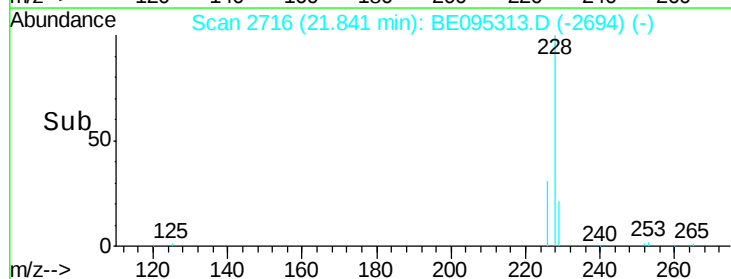
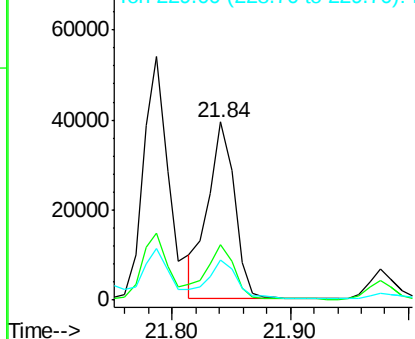
228 100

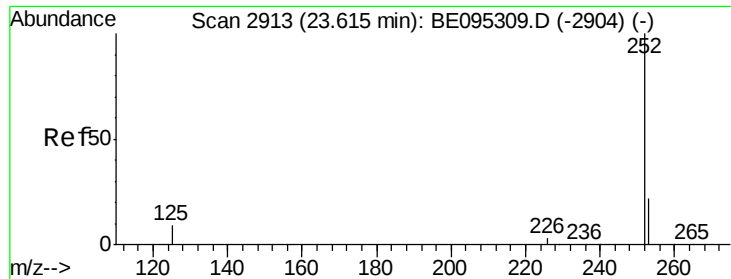
226 31.2 23.4 35.0

229 22.2 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

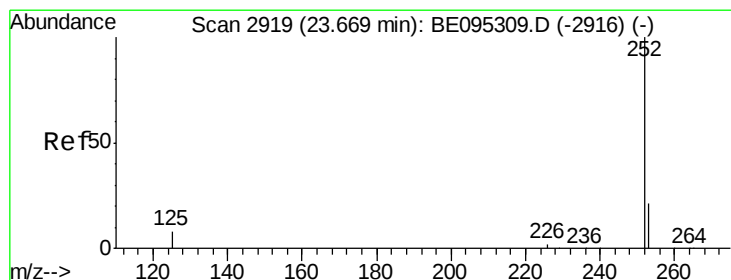
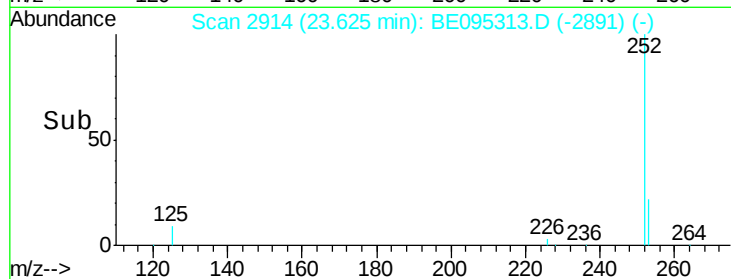
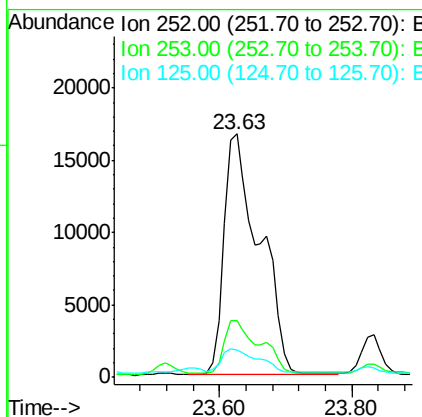
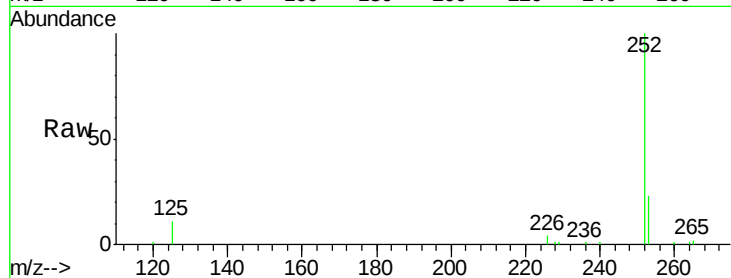




#21
Benzo(b)fluoranthene
Concen: 1.502 ng/ul
RT: 23.63 min Scan# 2914
Delta R.T. 0.01 min
Lab File: BE095313.D
Acq: 31 Jan 2018 12:35

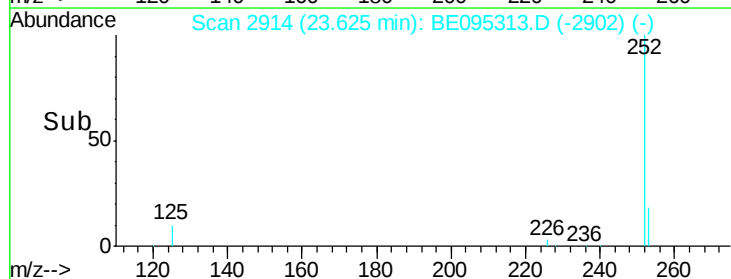
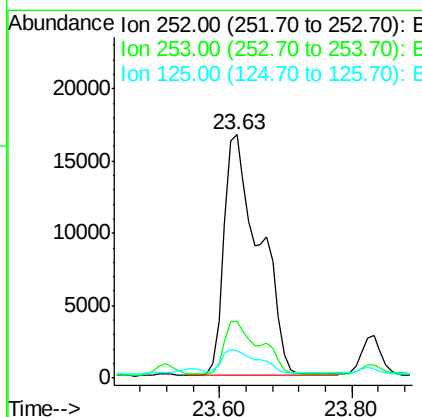
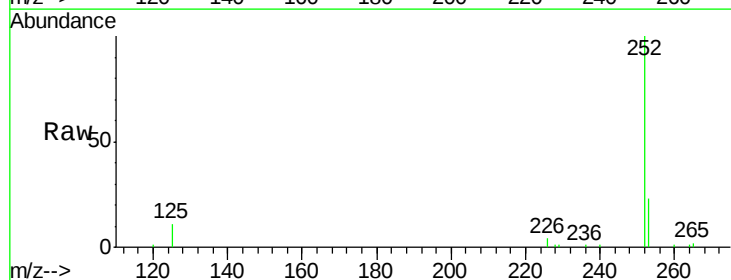
Instrument :
BNA_E
ClientSampleId :

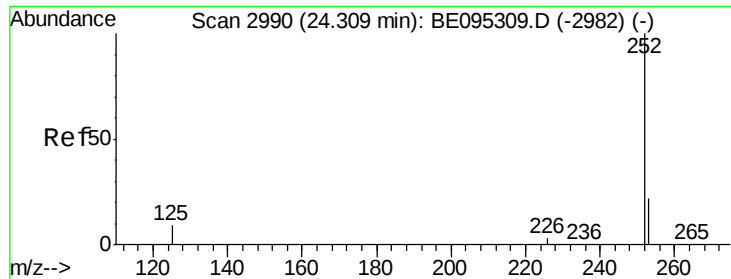
Tot Ion:252 Resp: 61905
Ion Ratio Lower Upper
252 100
253 23.5 0.0 64.2
125 11.4 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 1.642 ng/ul
RT: 23.63 min Scan# 2914
Delta R.T. -0.04 min
Lab File: BE095313.D
Acq: 31 Jan 2018 12:35

Tgt Ion:252 Resp: 61905
Ion Ratio Lower Upper
252 100
253 23.5 24.5 36.7#
125 11.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.697 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.01 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

Instrument :

BNA_E

ClientSampleId :

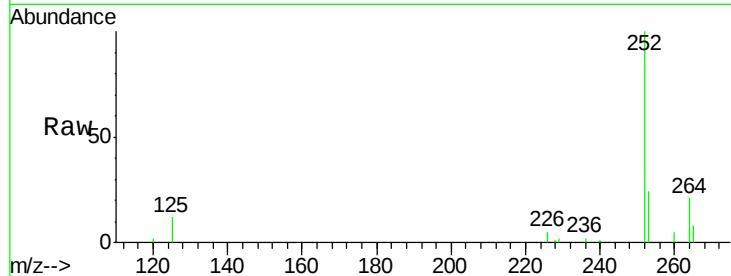
Tot Ion:252 Resp: 25648

Ion Ratio Lower Upper

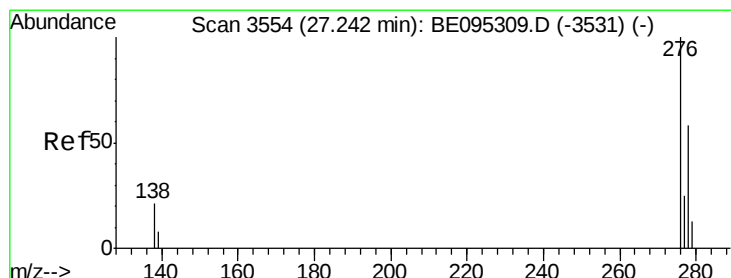
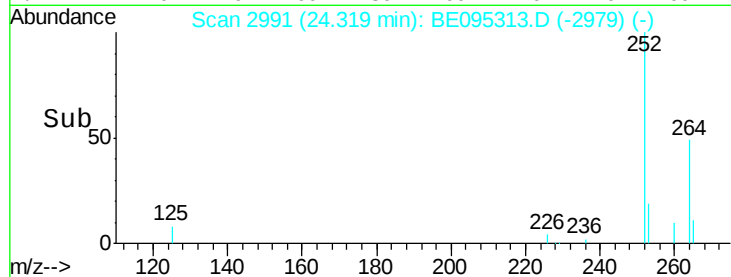
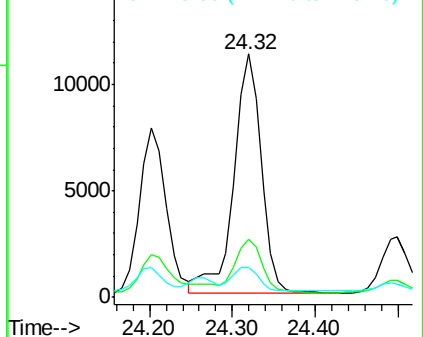
252 100

253 23.9 28.5 42.7#

125 12.4 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: 0.209 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. -0.00 min

Lab File: BE095313.D

Acq: 31 Jan 2018 12:35

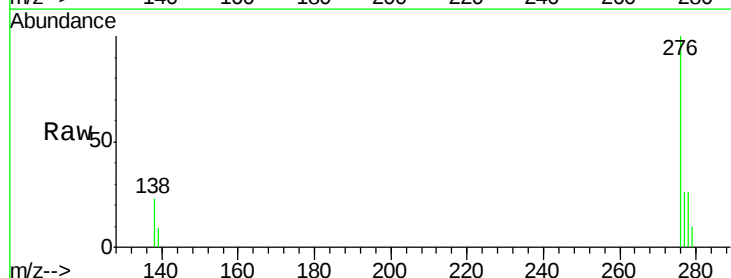
Tgt Ion:276 Resp: 8419

Ion Ratio Lower Upper

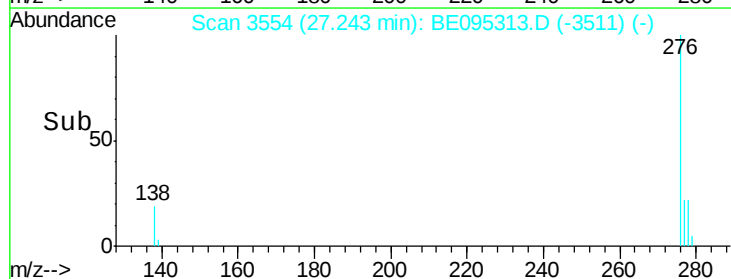
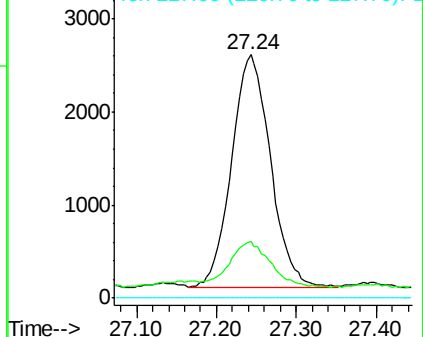
276 100

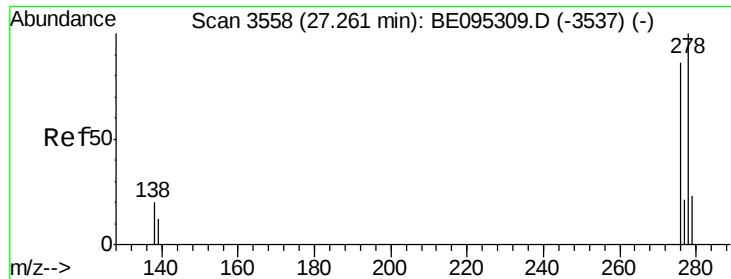
138 21.0 28.0 42.0#

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

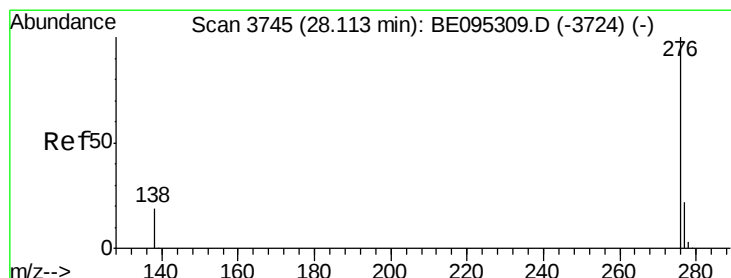
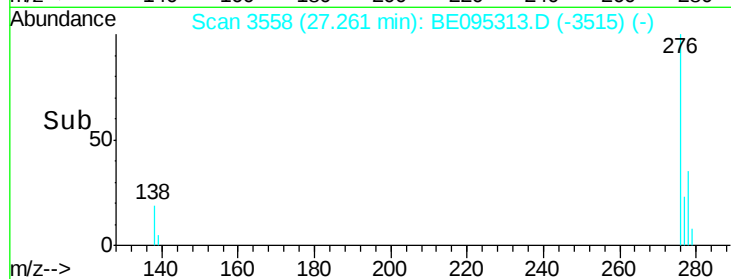
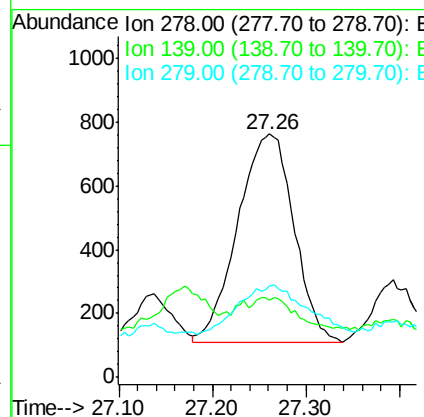
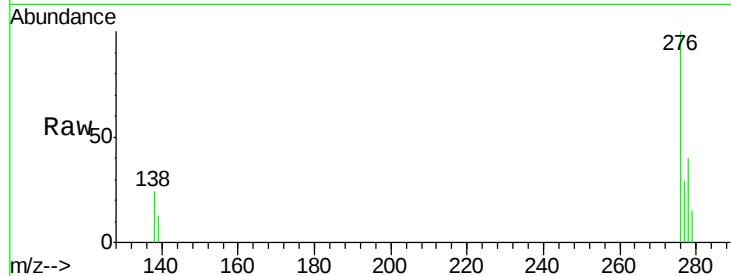




#25
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 27.26 min Scan# 3558
Delta R.T. -0.00 min
Lab File: BE095313.D
Acq: 31 Jan 2018 12:35

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 2717
Ion Ratio Lower Upper
278 100
139 31.7 17.4 26.0#
279 37.6 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.201 ng/ul
RT: 28.12 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BE095313.D
Acq: 31 Jan 2018 12:35

Tgt Ion:276 Resp: 6865
Ion Ratio Lower Upper
276 100
138 23.7 21.8 32.8
277 26.8 20.5 30.7

