

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095298.D
 Acq On : 31 Jan 2018 3:38
 Operator : SJ/JU
 Sample : J1223-02DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 07:51:14 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 03:40:45 2018
 Response via : Initial Calibration

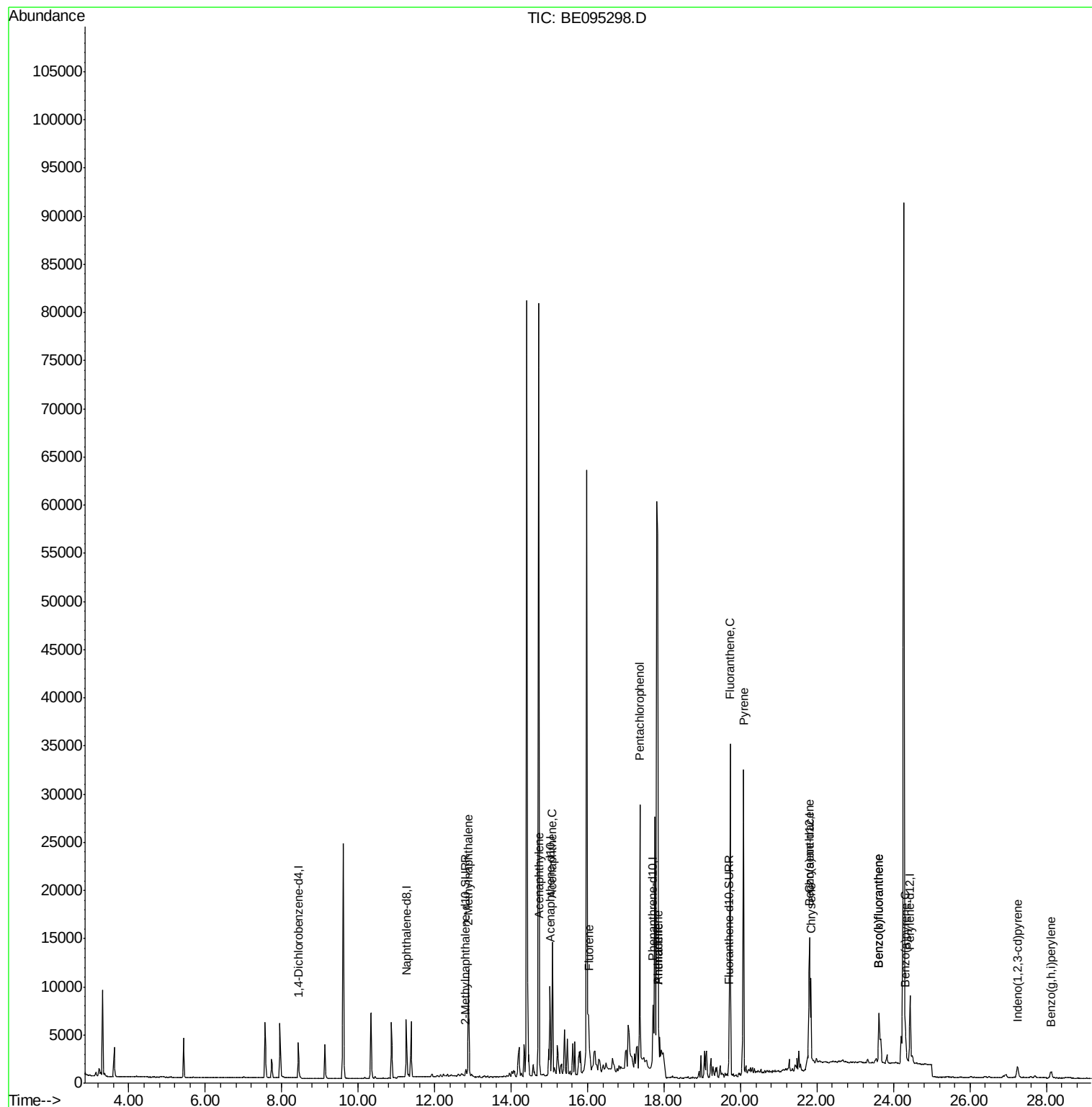
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2549	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7910	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	5103	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10309	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	11030	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10950	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	728	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	1981	0.05	ng/ul	0.00
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.89	142	8774	0.593	ng/ul	99
7) Acenaphthylene	14.74	152	1034	0.042	ng/ul#	31
8) Acenaphthene	15.08	153	8213	0.431	ng/ul	91
9) Fluorene	16.02	166	4991	0.254	ng/ul#	79
11) Pentachlorophenol	17.36	266	16026	8.026	ng/ul	96
12) Phenanthrene	17.85	178	3444	0.099	ng/ul	93
13) Anthracene	17.85	178	3282	0.103	ng/ul	95
15) Fluoranthene	19.72	202	39063	0.870	ng/ul	83
17) Pyrene	20.08	202	34337	0.928	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	9064	0.263	ng/ul#	89
19) Chrysene	21.84	228	9740	0.272	ng/ul	94
21) Benzo(b)fluoranthene	23.62	252	13140	0.340	ng/ul	91
22) Benzo(k)fluoranthene	23.62	252	13133	0.372	ng/ul	92
23) Benzo(a)pyrene	24.32	252	2998	0.087	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	27.24	276	2249	0.059	ng/ul#	76
26) Benzo(a,h,i)perylene	28.12	276	1759	0.055	ng/ul#	86

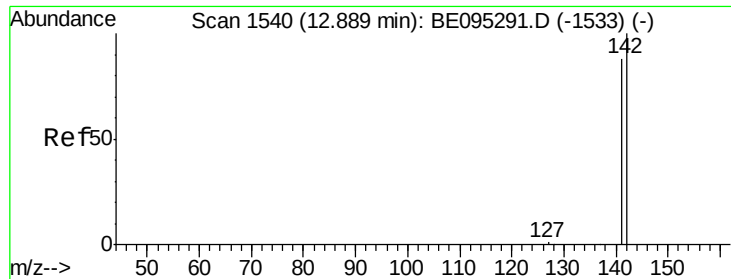
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.593 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

Instrument :

BNA_E

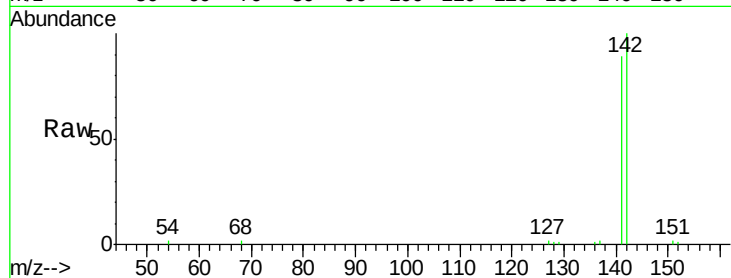
ClientSampleId :

Tot Ion:142 Resp: 8774

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.89

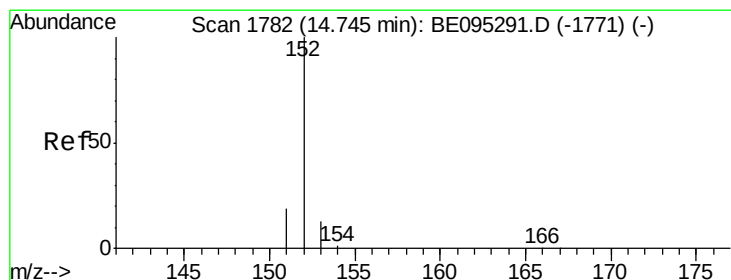
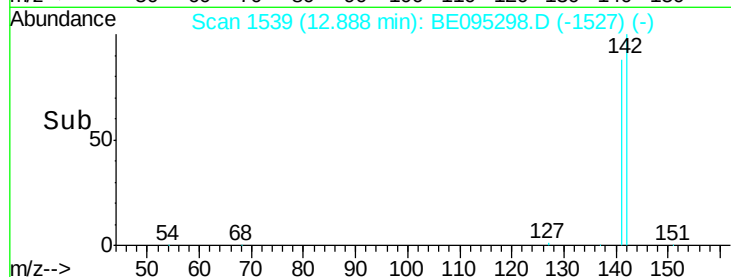
6000

4000

2000

0

Time--> 12.80 12.85 12.90 12.95



#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

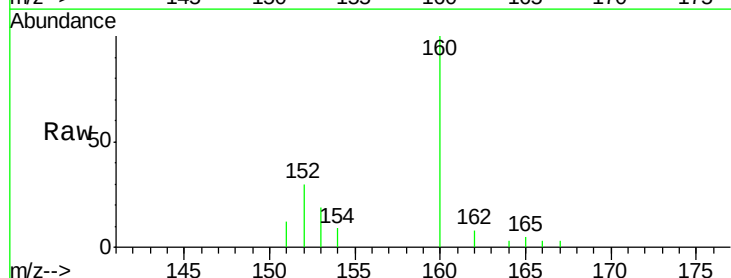
Tgt Ion:152 Resp: 1034

Ion Ratio Lower Upper

152 100

151 40.4 17.1 25.7#

153 62.0 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

14.74

800

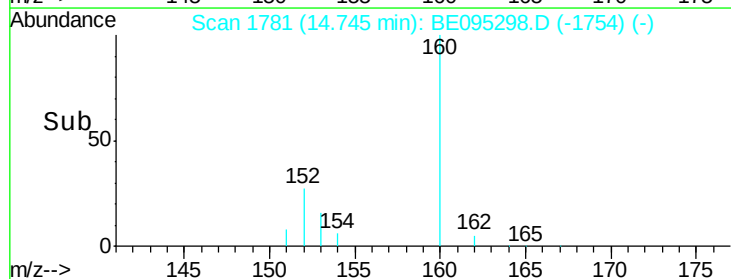
600

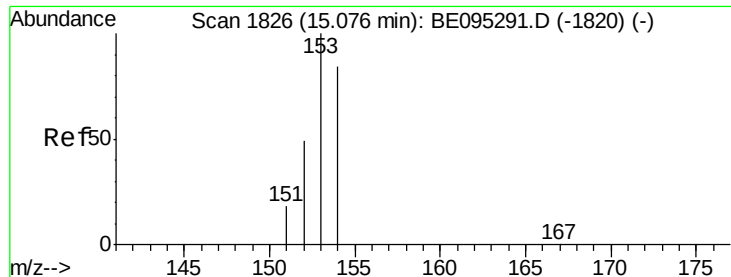
400

200

0

Time--> 14.60 14.70 14.80





#8

Acenaphthene

Concen: 0.431 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

Instrument :

BNA_E

ClientSampleId :

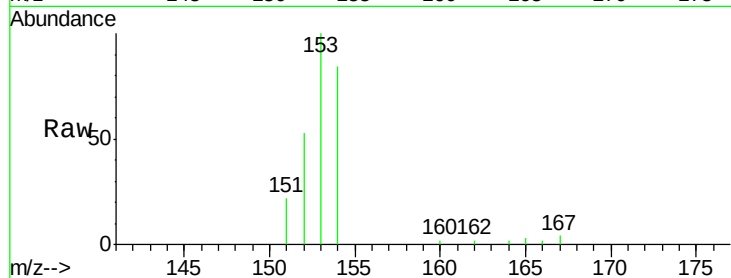
Tot Ion:153 Resp: 8213

Ion Ratio Lower Upper

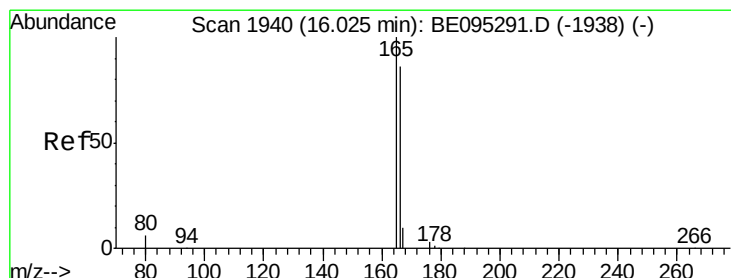
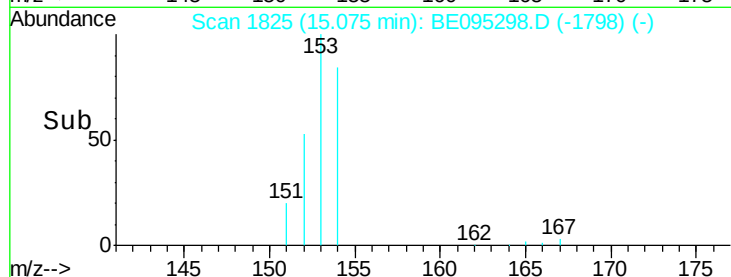
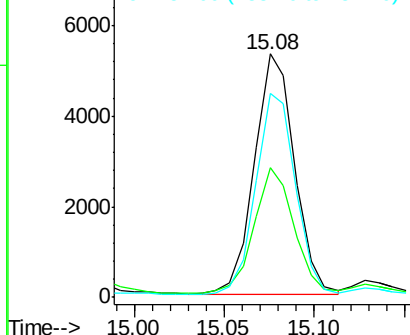
153 100

152 53.3 36.0 54.0

154 83.8 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: 0.254 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

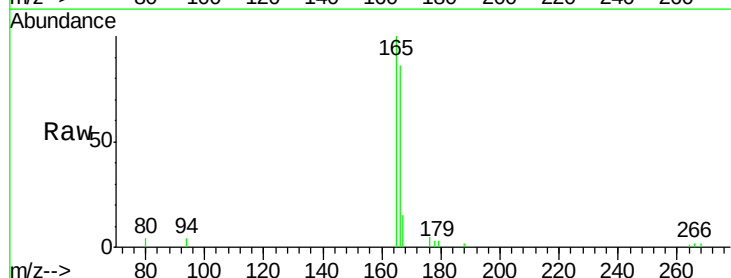
Tgt Ion:166 Resp: 4991

Ion Ratio Lower Upper

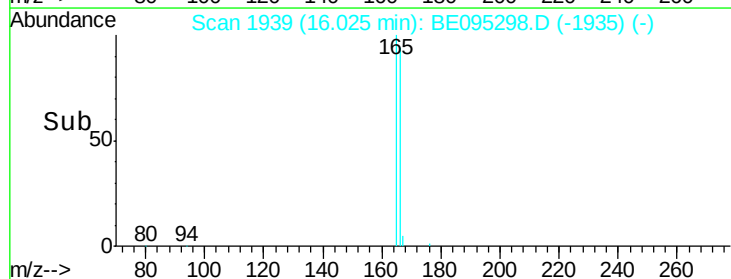
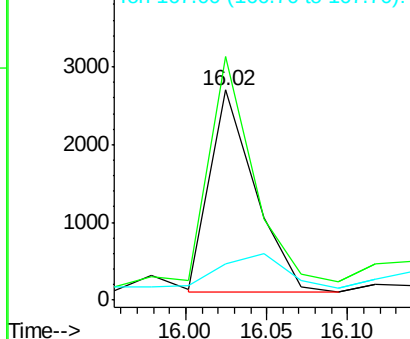
166 100

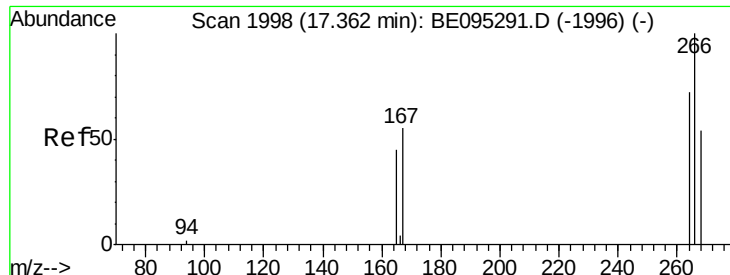
165 116.0 73.4 110.2#

167 17.6 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

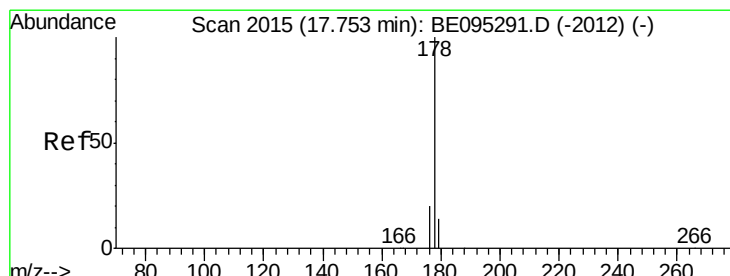
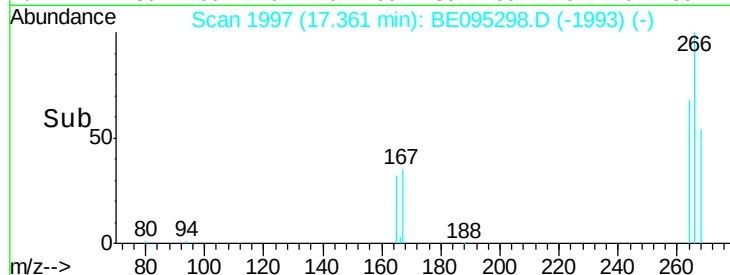
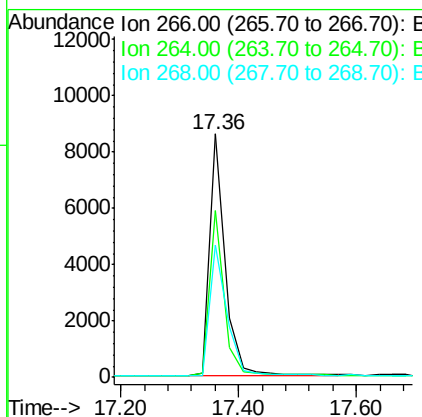
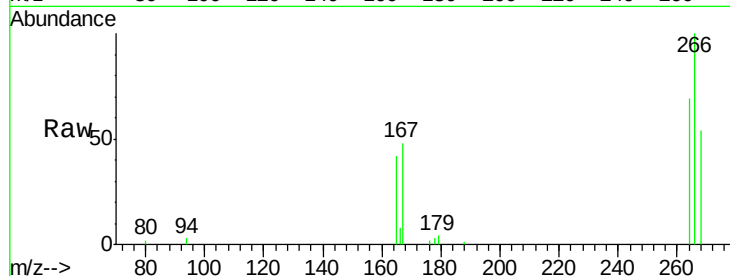




#11
 Pentachlorophenol
 Concen: 8.026 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BE095298.D
 Acq: 31 Jan 2018 3:38

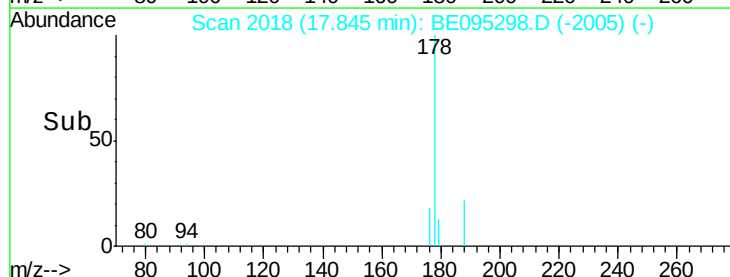
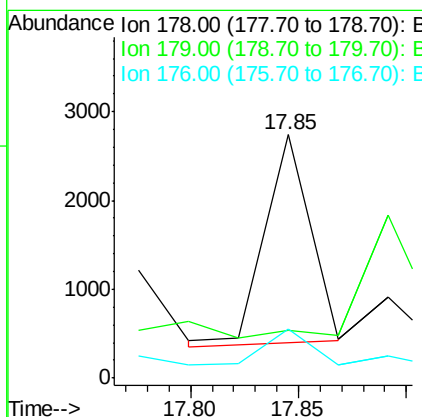
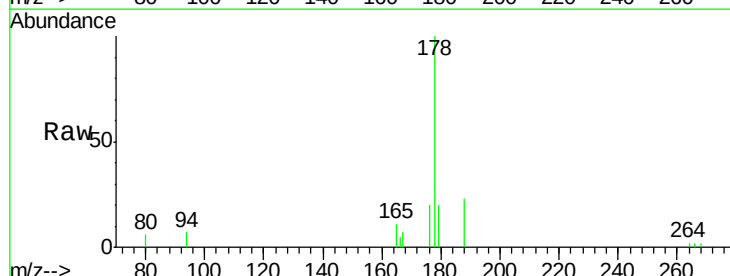
Instrument :
 BNA_E
 ClientSampleId :

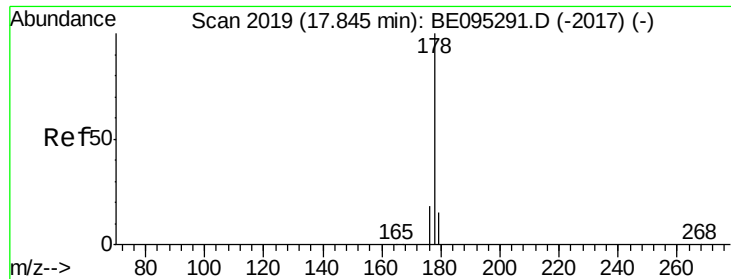
Tot Ion:266 Resp: 16026
 Ion Ratio Lower Upper
 266 100
 264 64.6 47.9 71.9
 268 60.1 49.8 74.8



#12
 Phenanthrene
 Concen: 0.099 ng/ul
 RT: 17.85 min Scan# 2018
 Delta R.T. 0.09 min
 Lab File: BE095298.D
 Acq: 31 Jan 2018 3:38

Tgt Ion:178 Resp: 3444
 Ion Ratio Lower Upper
 178 100
 179 19.8 18.4 27.6
 176 20.4 13.6 20.4

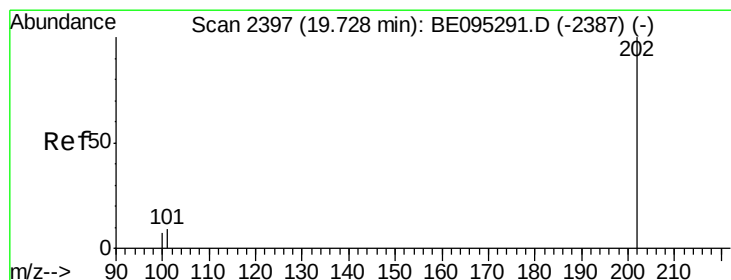
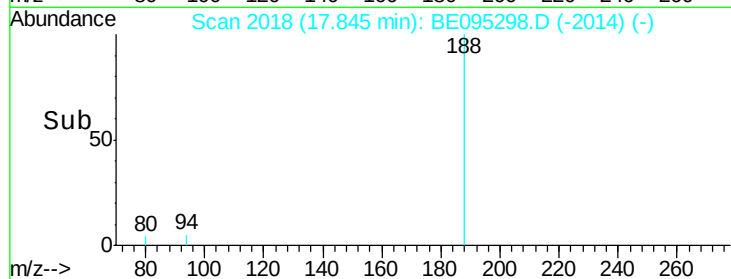
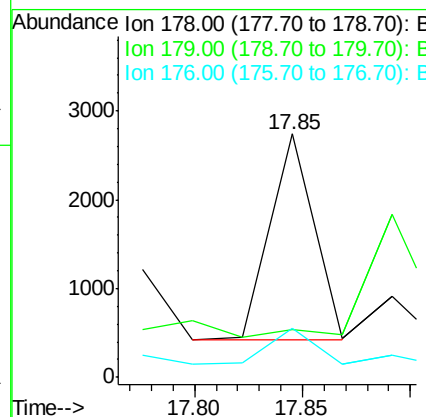
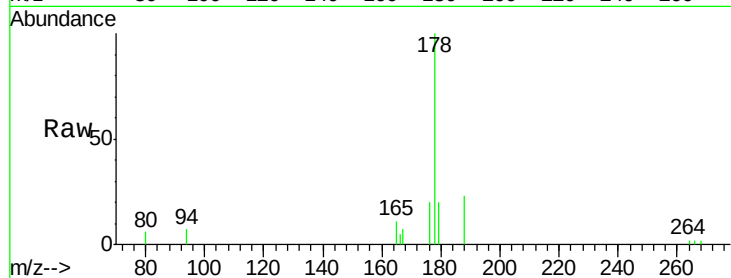




#13
 Anthracene
 Concen: 0.103 ng/ul
 RT: 17.85 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BE095298.D
 Acq: 31 Jan 2018 3:38

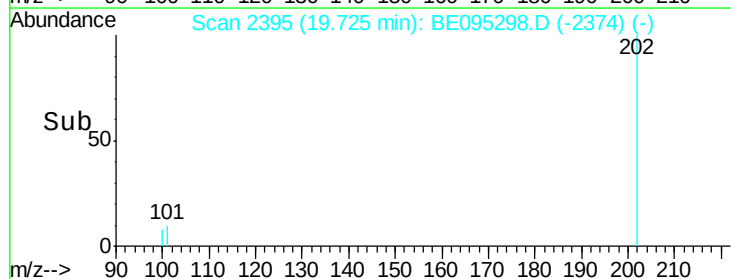
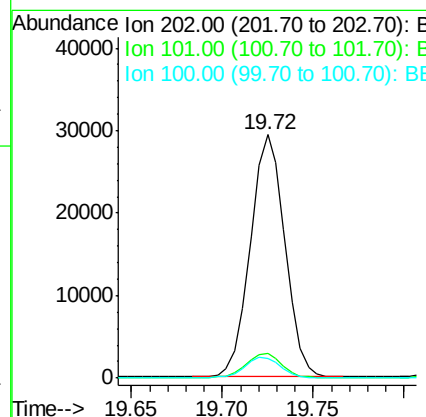
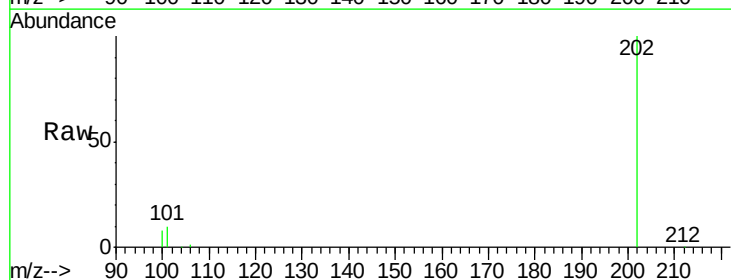
Instrument :
 BNA_E
 ClientSampleId :

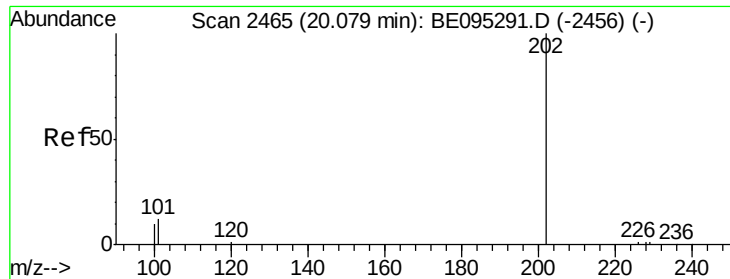
Tot Ion:178 Resp: 3282
 Ion Ratio Lower Upper
 178 100
 179 19.8 18.1 27.1
 176 20.4 14.7 22.1



#15
 Fluoranthene
 Concen: 0.870 ng/ul
 RT: 19.72 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BE095298.D
 Acq: 31 Jan 2018 3:38

Tgt Ion:202 Resp: 39063
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.3
 100 8.2 0.0 39.5

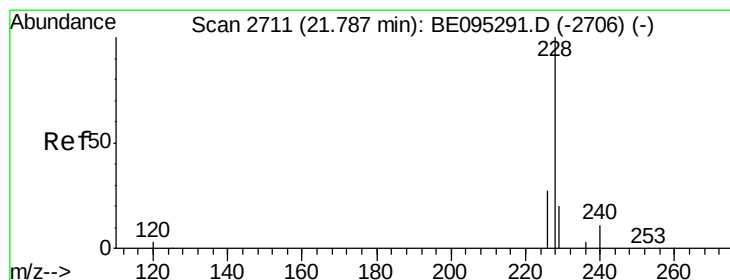
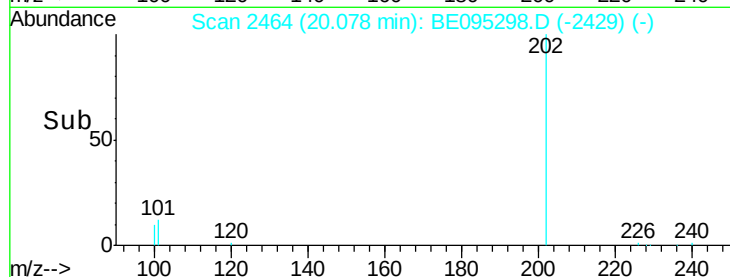
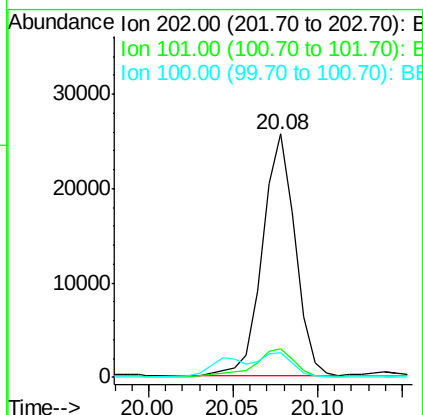
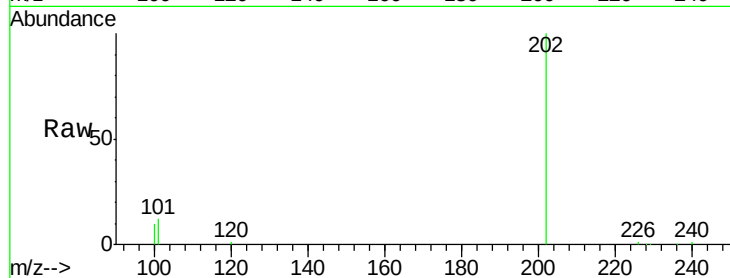




#17
Pvrene
Concen: 0.928 ng/ul
RT: 20.08 min Scan# 2464
Delta R.T. -0.00 min
Lab File: BE095298.D
Acq: 31 Jan 2018 3:38

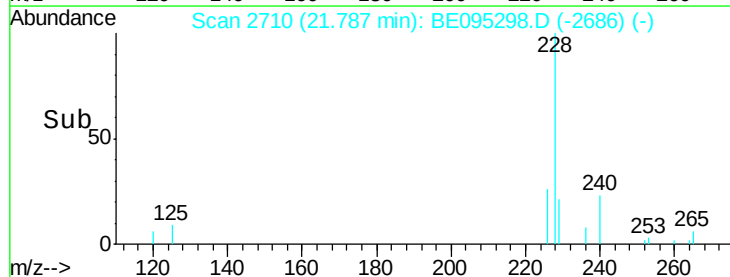
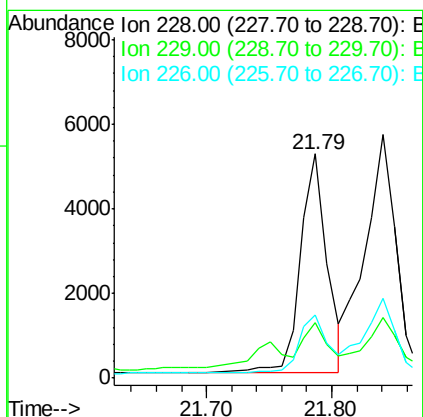
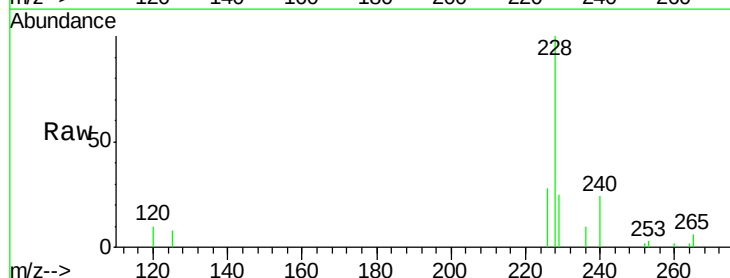
Instrument :
BNA_E
ClientSampleId :

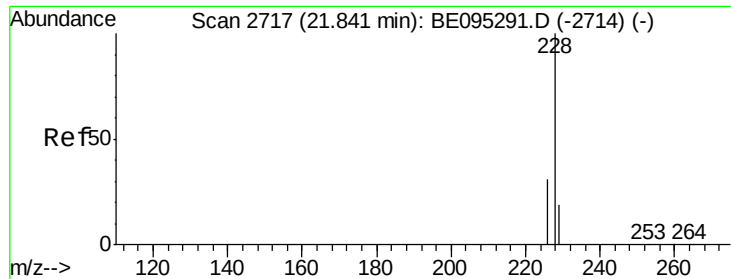
Tot Ion:202 Resp: 34337
Ion Ratio Lower Upper
202 100
101 12.0 18.2 27.4#
100 10.2 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.263 ng/ul
RT: 21.79 min Scan# 2710
Delta R.T. 0.00 min
Lab File: BE095298.D
Acq: 31 Jan 2018 3:38

Tgt Ion:228 Resp: 9064
Ion Ratio Lower Upper
228 100
229 24.5 22.8 34.2
226 28.2 17.0 25.6#





#19

Chrysene

Concen: 0.272 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

Instrument :

BNA_E

ClientSampleId :

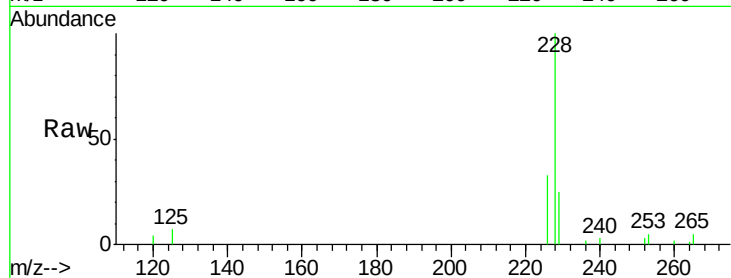
Tot Ion:228 Resp: 9740

Ion Ratio Lower Upper

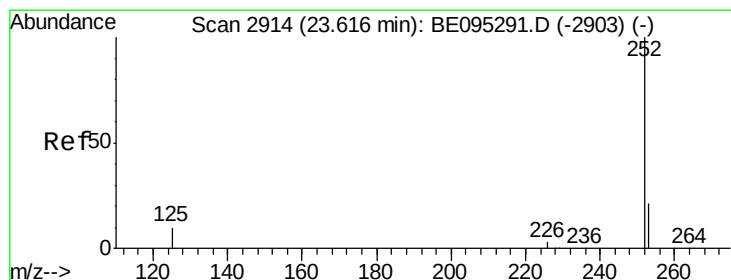
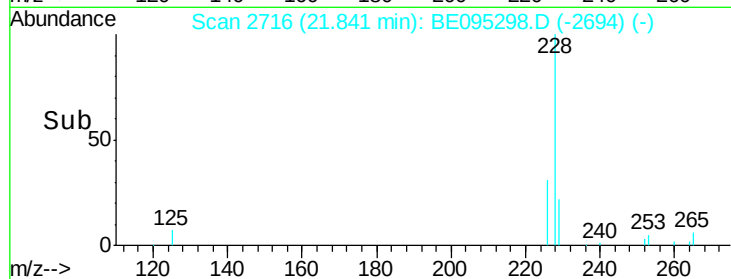
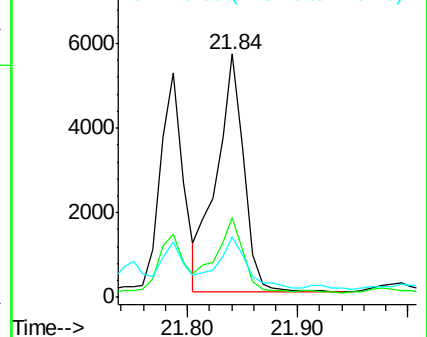
228 100

226 32.6 23.4 35.0

229 24.6 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: 0.340 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

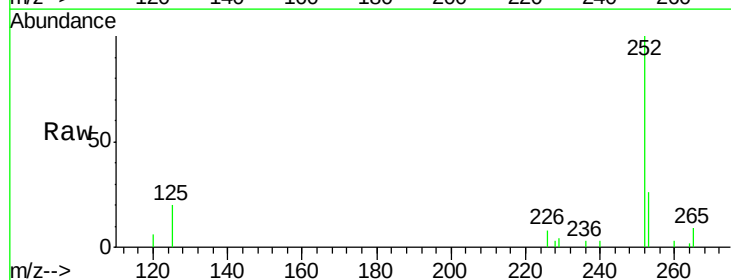
Tgt Ion:252 Resp: 13140

Ion Ratio Lower Upper

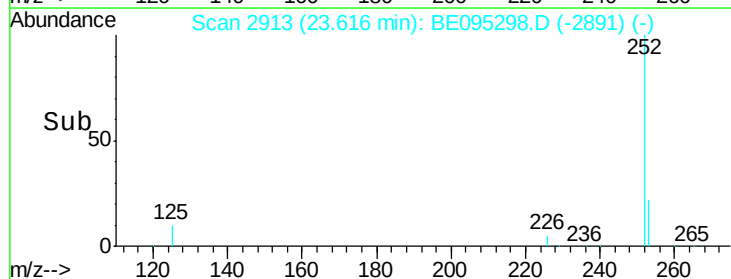
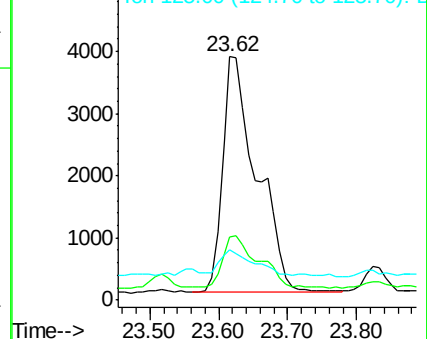
252 100

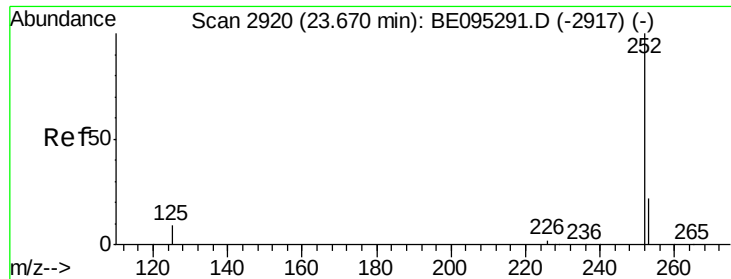
253 26.1 0.0 64.2

125 20.5 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: 0.372 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.05 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

Instrument :

BNA_E

ClientSampleId :

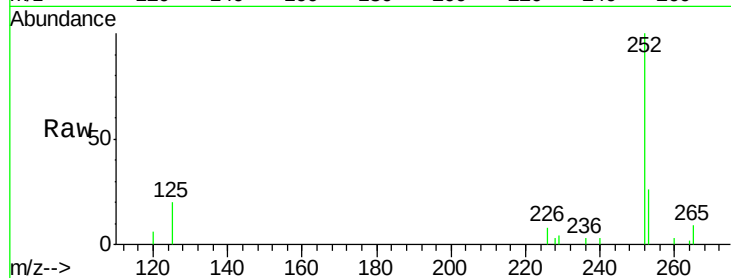
Tot Ion:252 Resp: 13133

Ion Ratio Lower Upper

252 100

253 26.1 24.5 36.7

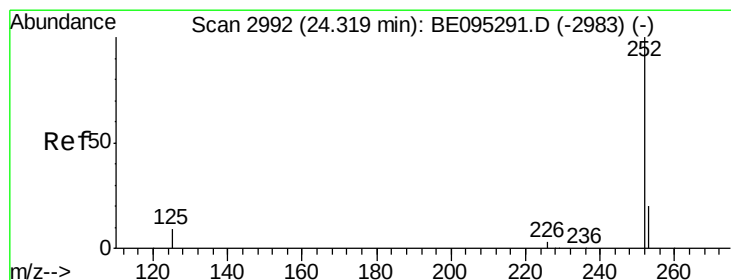
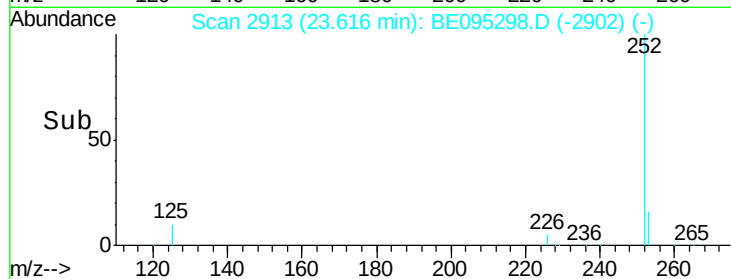
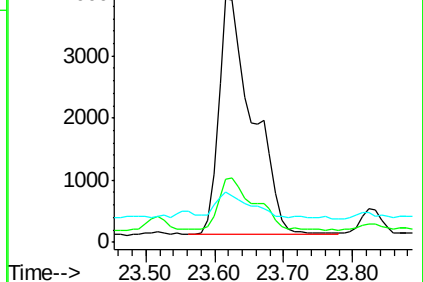
125 20.5 13.7 20.5



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: 0.087 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE095298.D

Acq: 31 Jan 2018 3:38

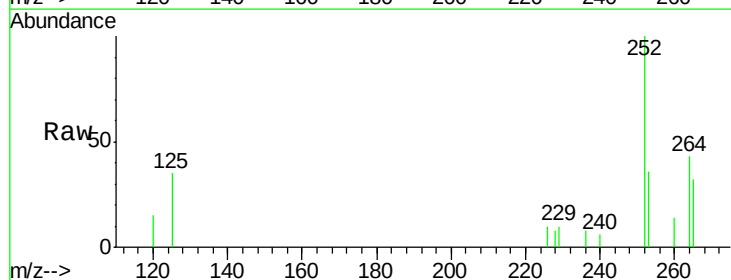
Tgt Ion:252 Resp: 2998

Ion Ratio Lower Upper

252 100

253 36.2 28.5 42.7

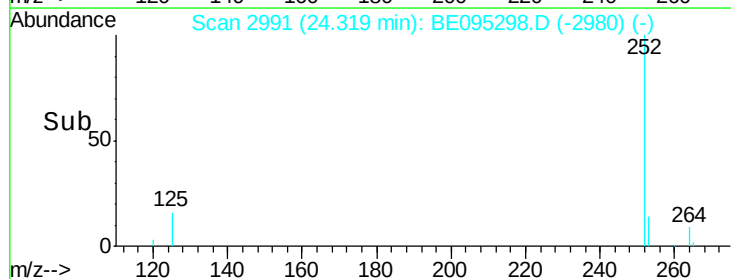
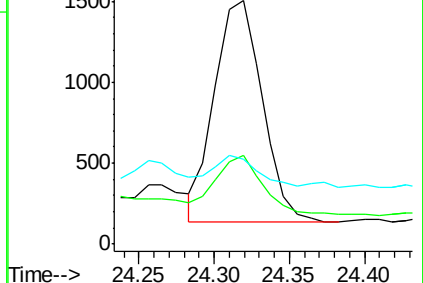
125 34.7 18.1 27.1#

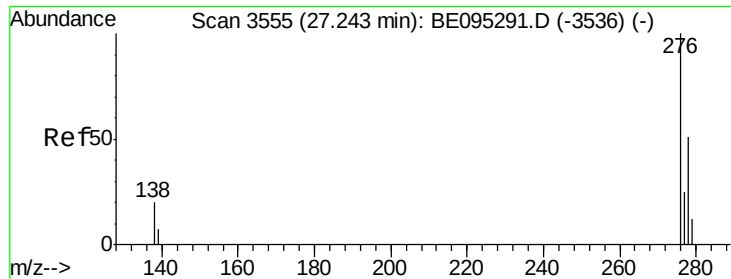


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



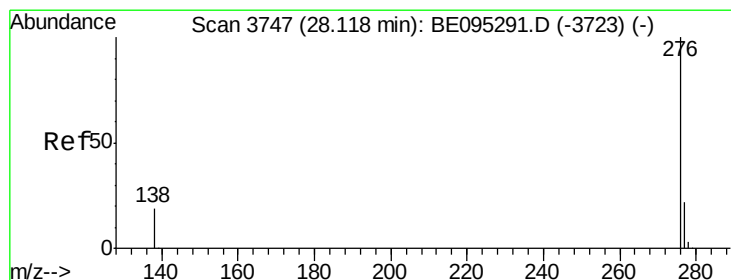
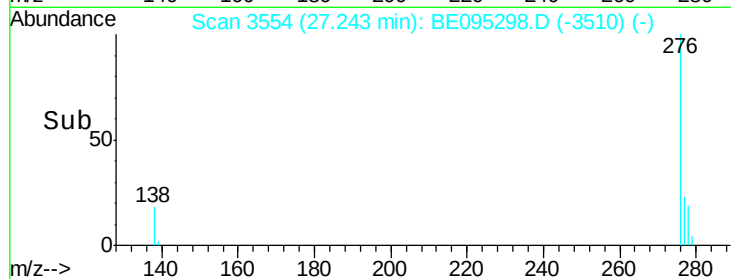
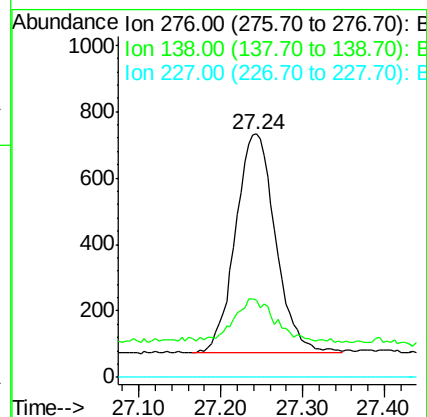
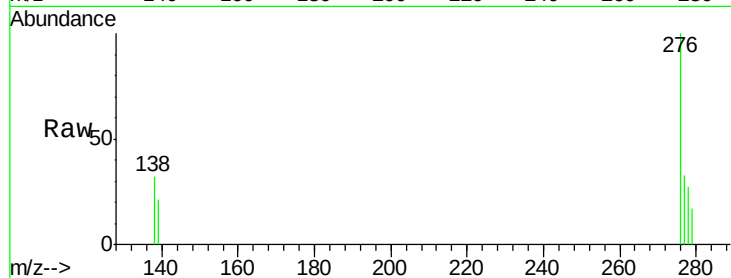


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul
RT: 27.24 min Scan# 3554
Delta R.T. -0.00 min
Lab File: BE095298.D
Acq: 31 Jan 2018 3:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 2249
Ion Ratio Lower Upper
276 100
138 21.7 28.0 42.0#
227 0.0 8.0 12.0#



#26

Benzo(g,h,i)perylene
Concen: 0.055 ng/ul
RT: 28.12 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BE095298.D
Acq: 31 Jan 2018 3:38

Tgt Ion:276 Resp: 1759
Ion Ratio Lower Upper
276 100
138 34.1 21.8 32.8#
277 33.1 20.5 30.7#

