

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
 Data File : BE095448.D
 Acq On : 3 Feb 2018 21:34
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 05 03:35:26 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 03:32:57 2018
 Response via : Initial Calibration

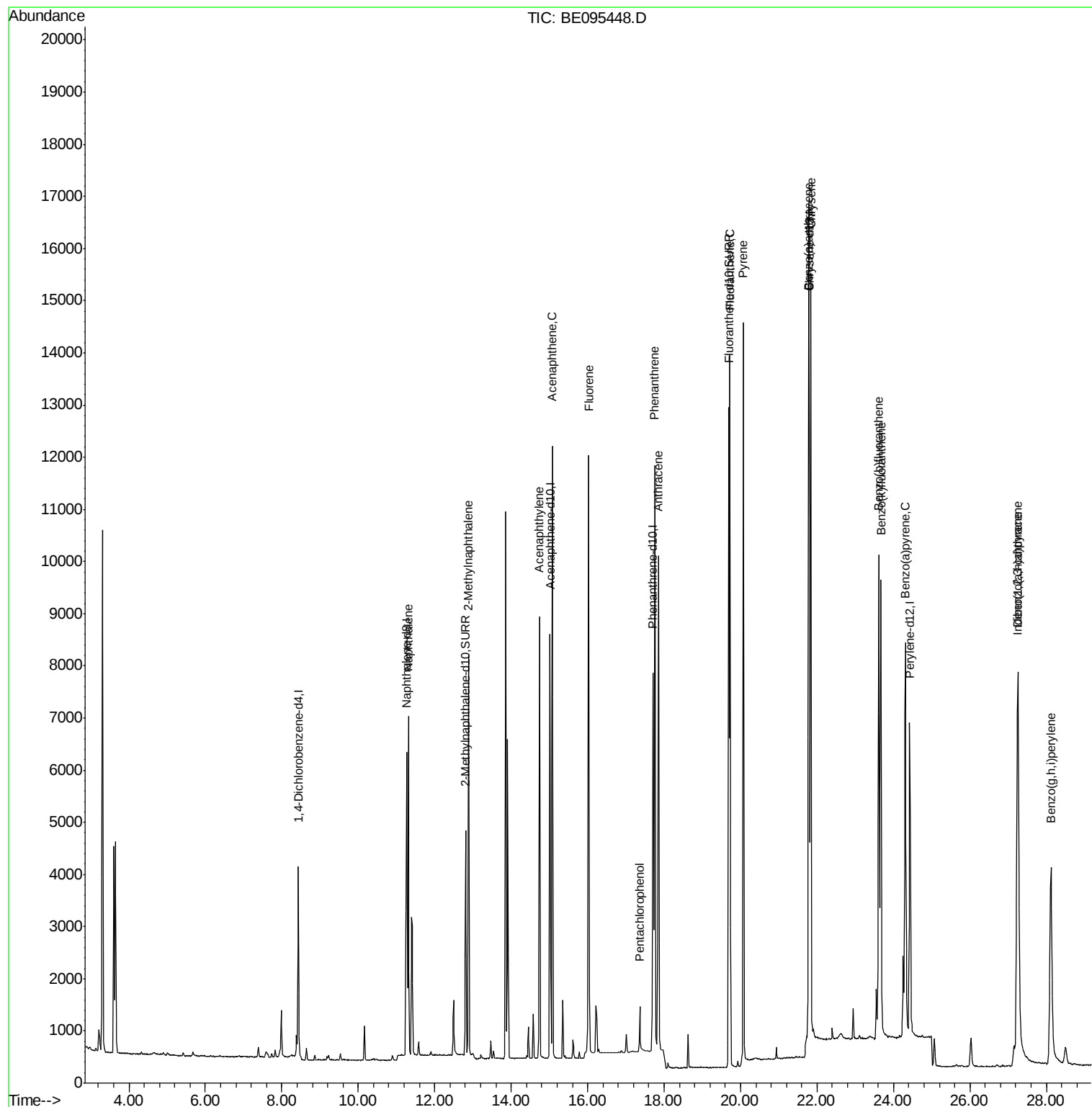
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2554	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7860	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4533	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10217	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	10499	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9917	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5516	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	13622	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	9157	0.416	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	6413	0.436	ng/ul	99
7) Acenaphthylene	14.74	152	9485	0.435	ng/ul	97
8) Acenaphthene	15.08	153	6905	0.408	ng/ul	97
9) Fluorene	16.03	166	7936	0.455	ng/ul#	85
11) Pentachlorophenol	17.36	266	641	0.324	ng/ul	96
12) Phenanthrene	17.75	178	13215	0.385	ng/ul#	92
13) Anthracene	17.85	178	12080	0.384	ng/ul#	93
15) Fluoranthene	19.72	202	15535	0.349	ng/ul	85
17) Pyrene	20.07	202	16585	0.471	ng/ul#	80
18) Benzo(a)anthracene	21.78	228	14405	0.439	ng/ul#	84
19) Chrysene	21.84	228	13954	0.409	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	13962	0.399	ng/ul	83
22) Benzo(k)fluoranthene	23.67	252	12679	0.396	ng/ul#	85
23) Benzo(a)pyrene	24.31	252	12842	0.411	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.24	276	13008	0.380	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.26	278	10343	0.369	ng/ul#	88
26) Benzo(g,h,i)perylene	28.12	276	11018	0.380	ng/ul	94

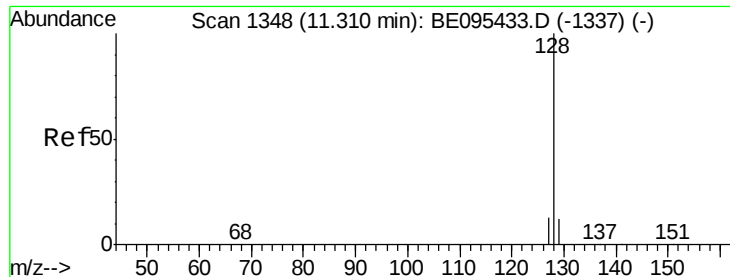
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.416 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

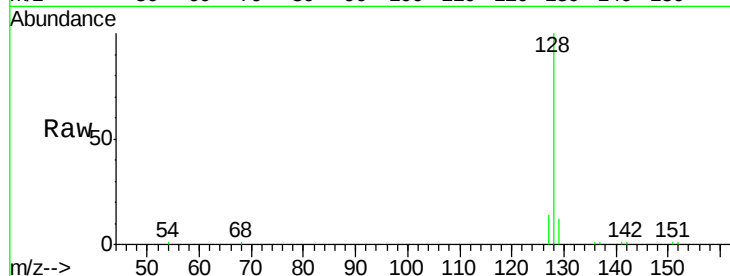
Tot Ion:128 Resp: 9157

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

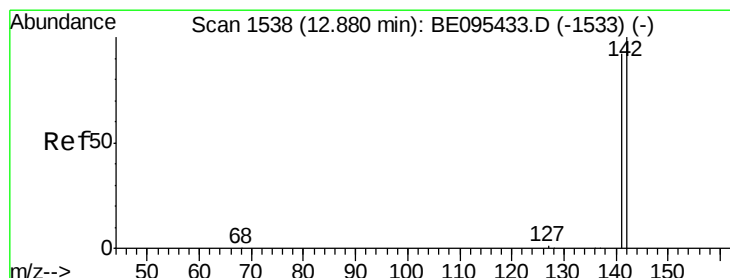
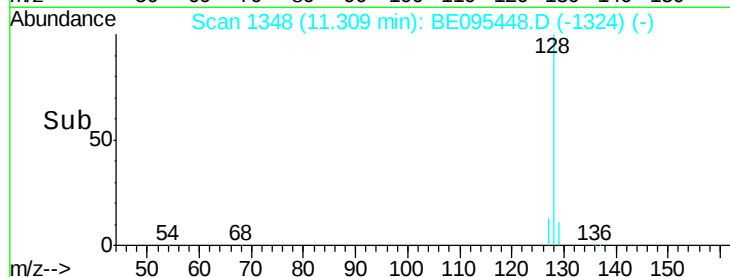
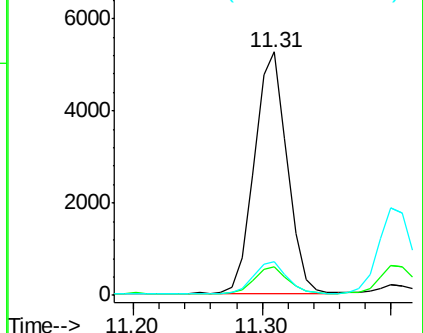
127 13.8 4.0 6.0#



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: 0.436 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE095448.D

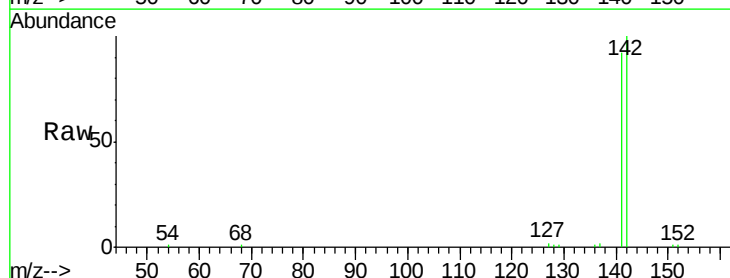
Acq: 3 Feb 2018 21:34

Tgt Ion:142 Resp: 6413

Ion Ratio Lower Upper

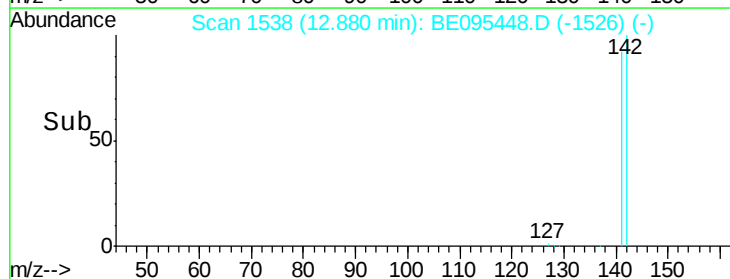
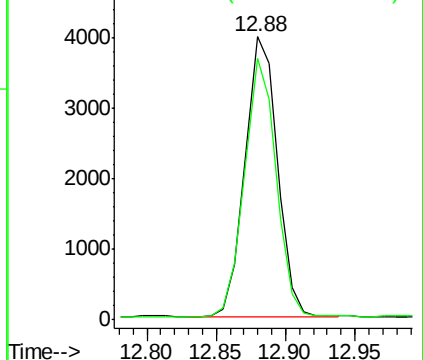
142 100

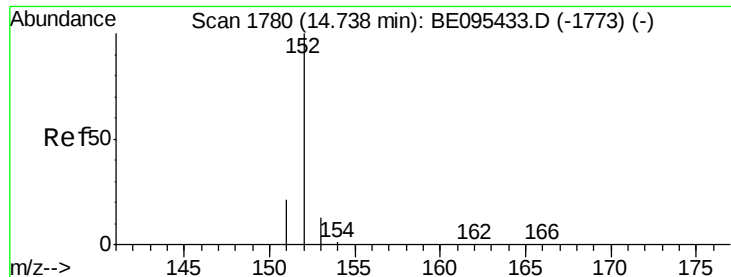
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.435 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

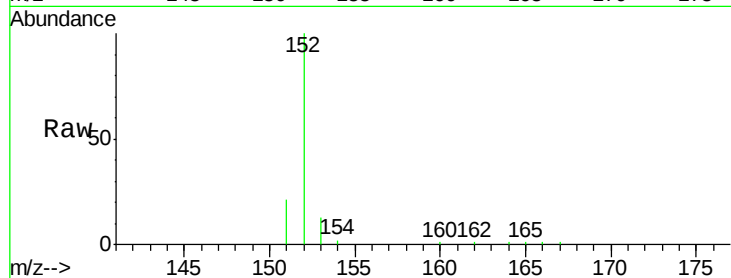
Tot Ion:152 Resp: 9485

Ion Ratio Lower Upper

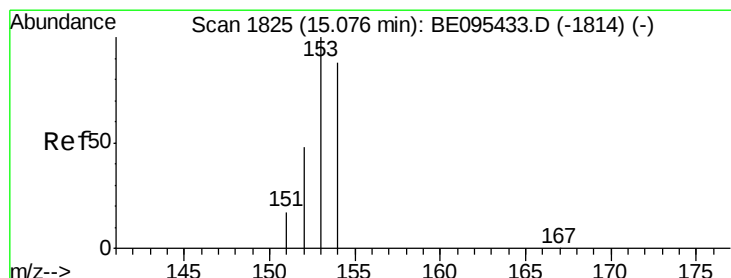
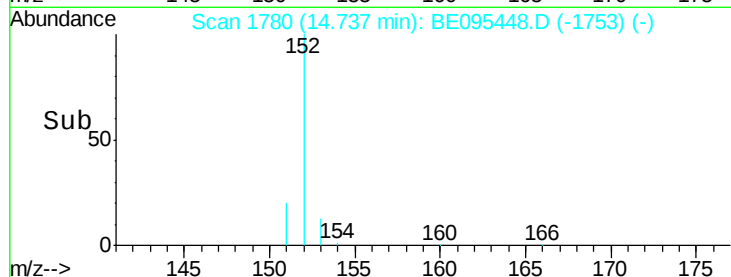
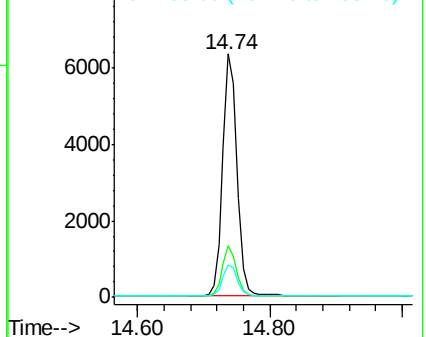
152 100

151 21.0 17.1 25.7

153 13.4 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: 0.408 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

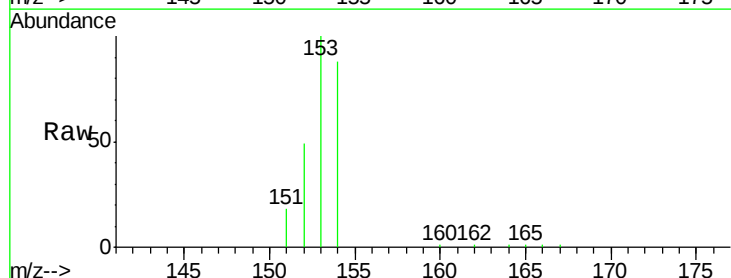
Tgt Ion:153 Resp: 6905

Ion Ratio Lower Upper

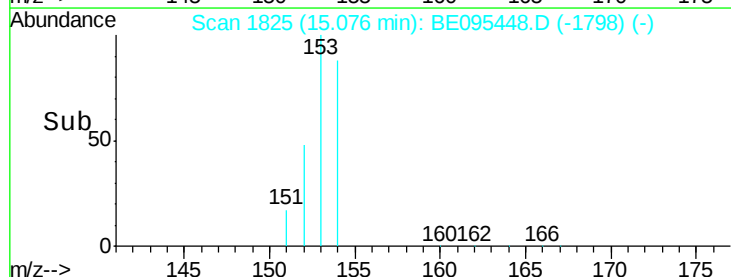
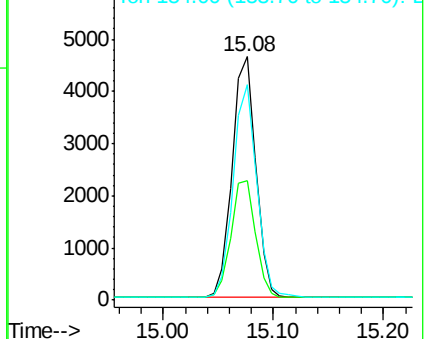
153 100

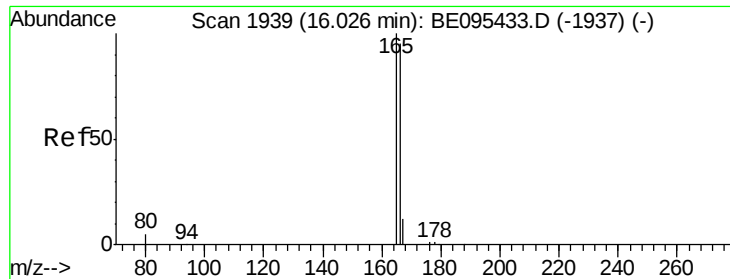
152 49.0 36.0 54.0

154 88.5 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: 0.455 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

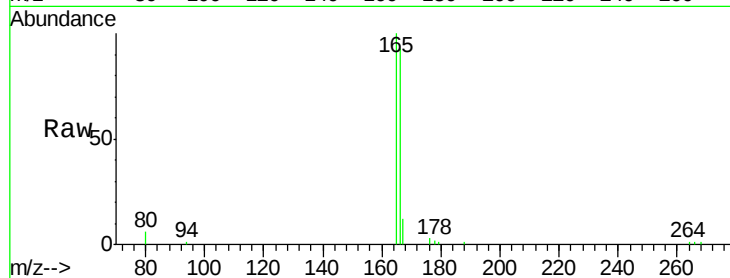
Tot Ion:166 Resp: 7936

Ion Ratio Lower Upper

166 100

165 107.1 73.4 110.2

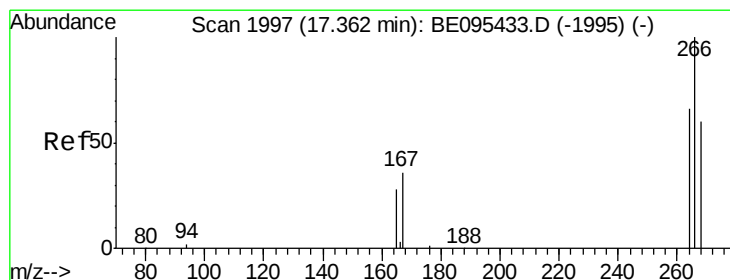
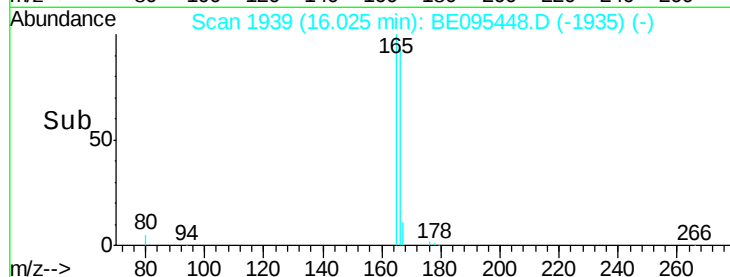
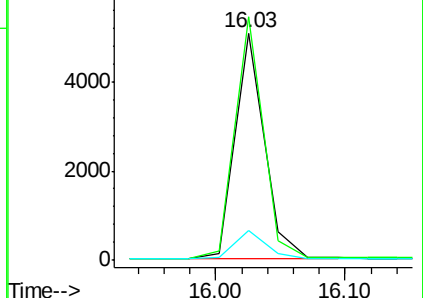
167 13.0 14.6 22.0#



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: 0.324 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

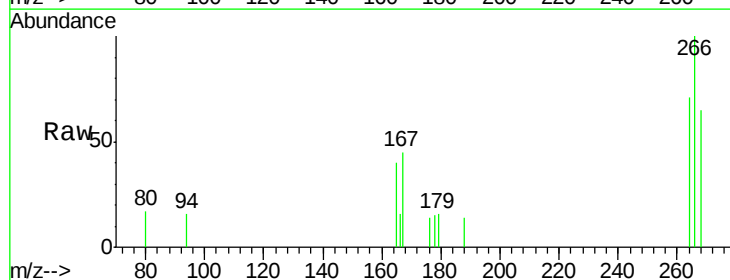
Tgt Ion:266 Resp: 641

Ion Ratio Lower Upper

266 100

264 64.4 47.9 71.9

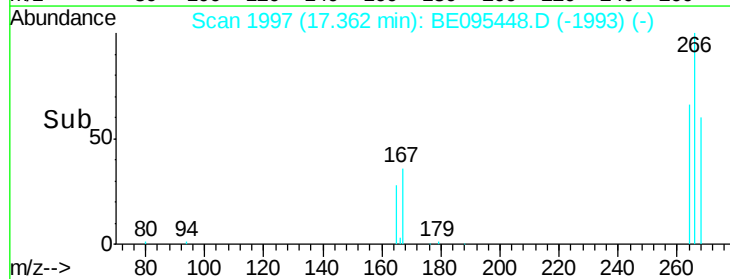
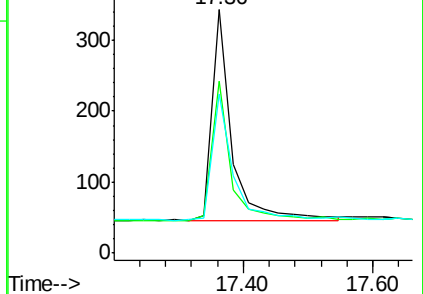
268 63.8 49.8 74.8

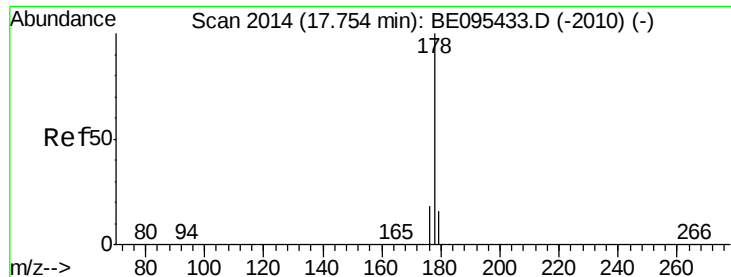


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

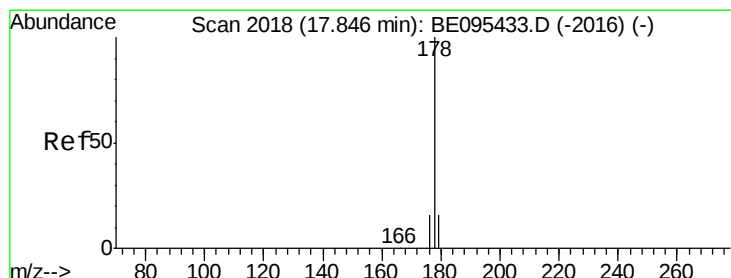
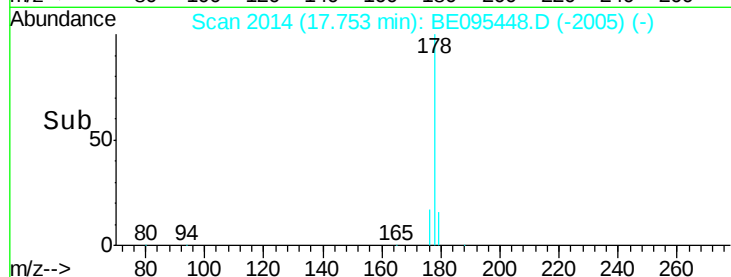
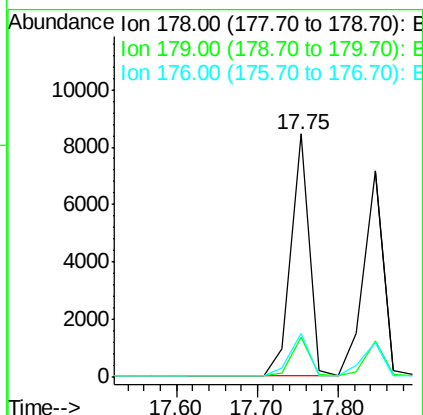
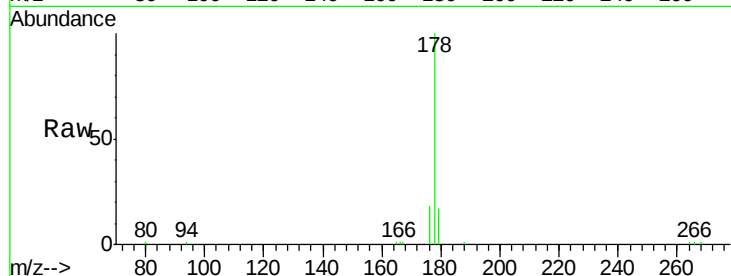




#12
Phenanthrene
Concen: 0.385 ng/ul
RT: 17.75 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

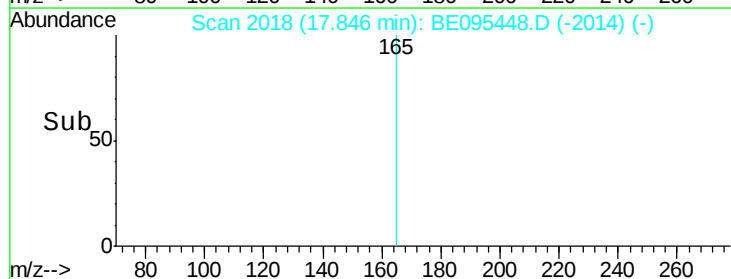
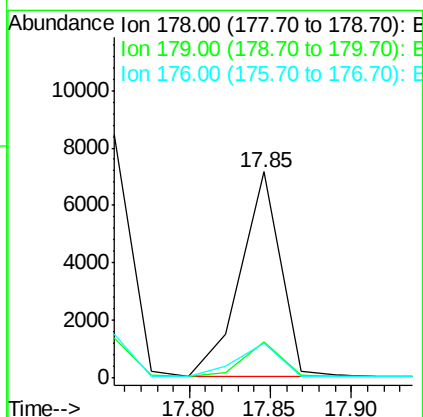
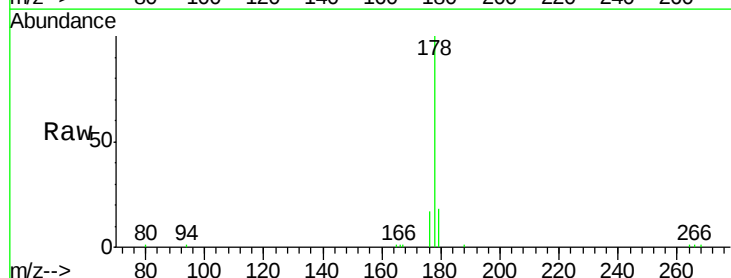
Instrument :
BNA_E
ClientSampleId :

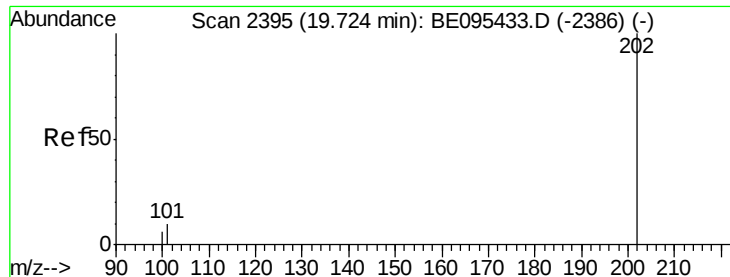
Tot Ion:178 Resp: 13215
Ion Ratio Lower Upper
178 100
179 16.5 18.4 27.6#
176 17.8 13.6 20.4



#13
Anthracene
Concen: 0.384 ng/ul
RT: 17.85 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

Tgt Ion:178 Resp: 12080
Ion Ratio Lower Upper
178 100
179 17.5 18.1 27.1#
176 16.8 14.7 22.1





#15

Fluoranthene

Concen: 0.349 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

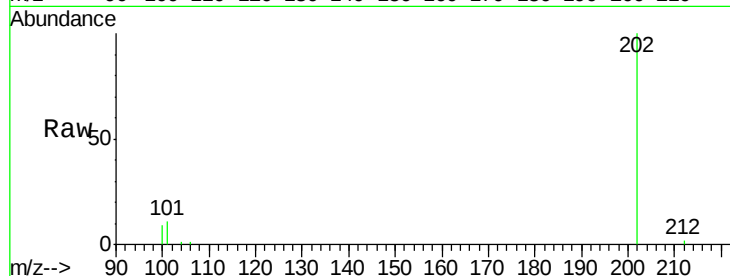
Tot Ion:202 Resp: 15535

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

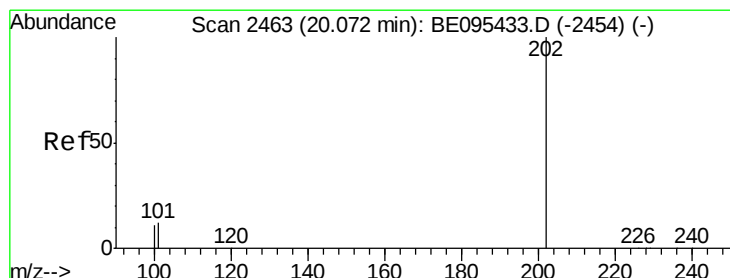
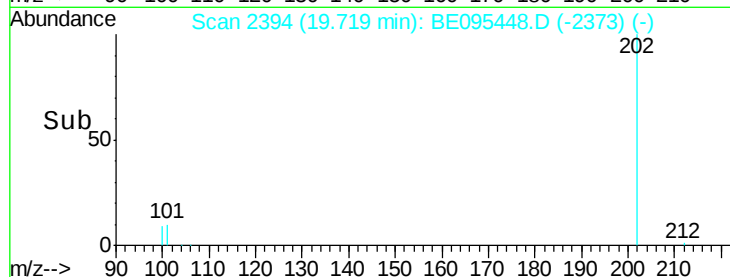
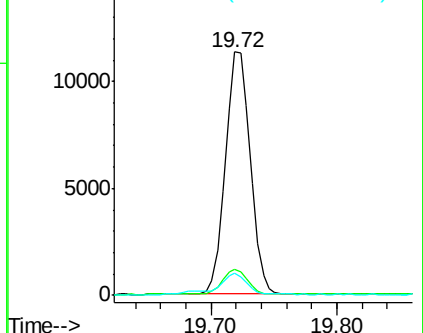
100 9.0 0.0 39.5



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: 0.471 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

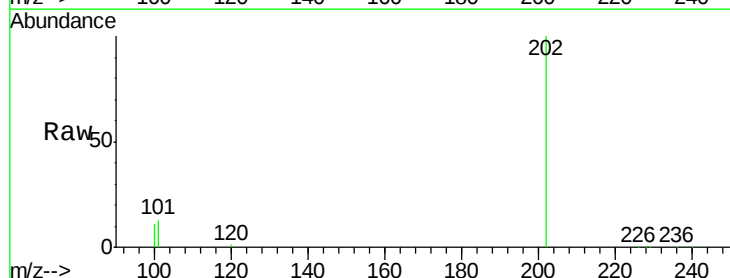
Tgt Ion:202 Resp: 16585

Ion Ratio Lower Upper

202 100

101 12.7 18.2 27.4#

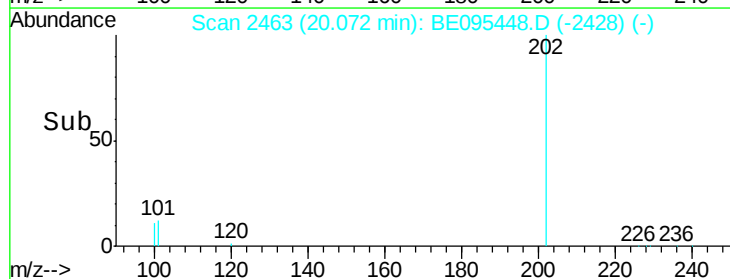
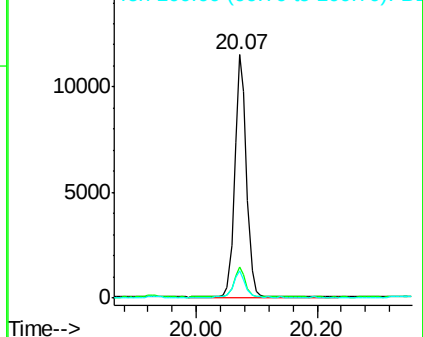
100 11.1 15.6 23.4#

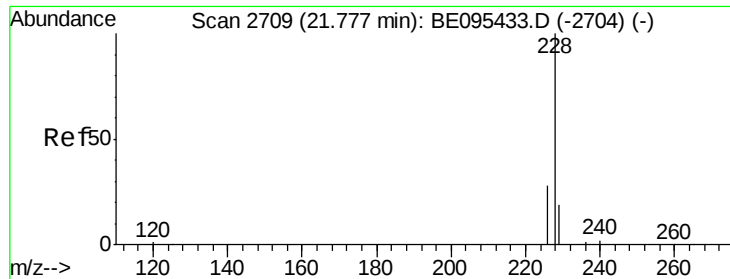


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

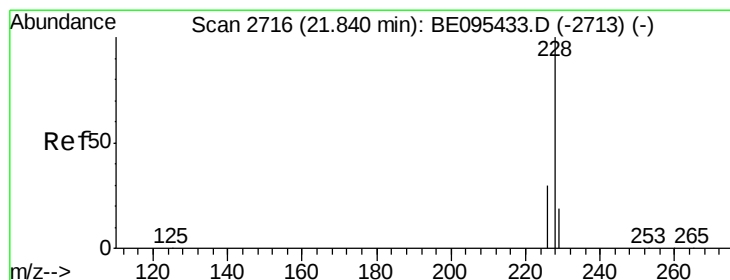
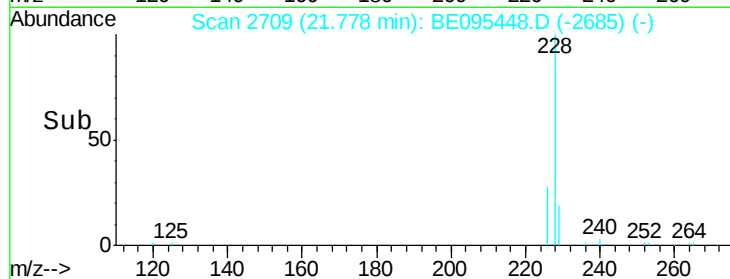
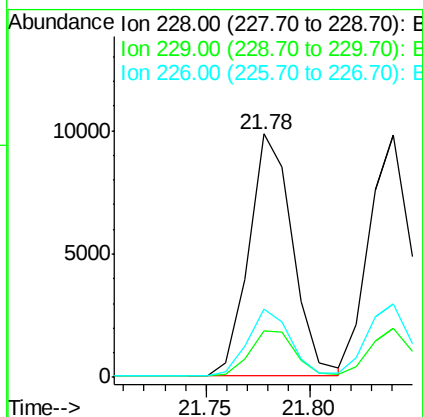
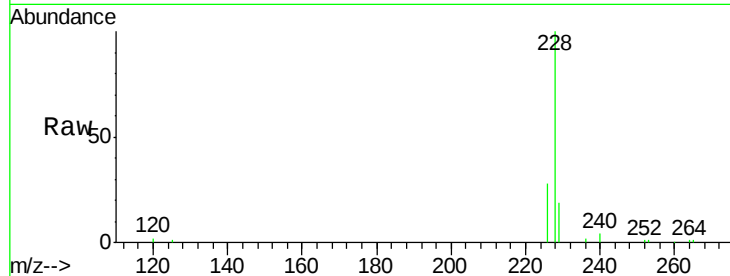




#18
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.78 min Scan# 2709
Delta R.T. 0.00 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

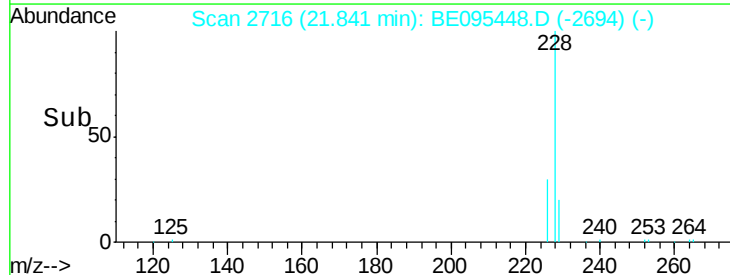
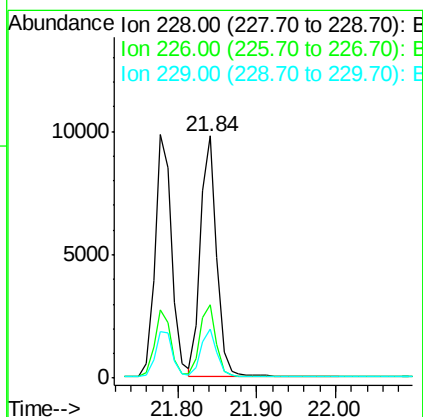
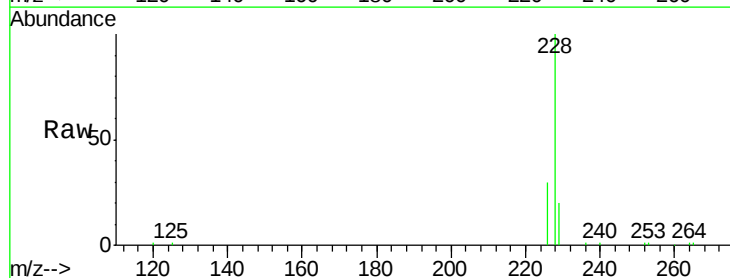
Instrument :
BNA_E
ClientSampleId :

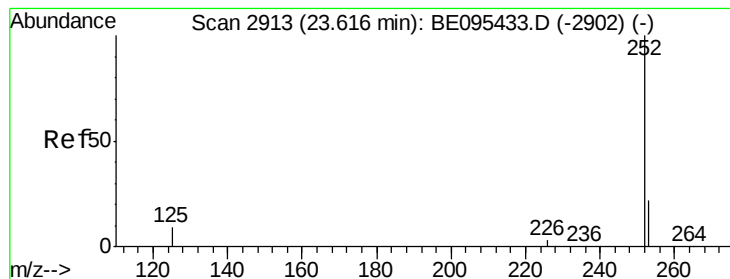
Tot Ion:228 Resp: 14405
Ion Ratio Lower Upper
228 100
229 19.3 22.8 34.2#
226 28.2 17.0 25.6#



#19
Chrysene
Concen: 0.409 ng/ul
RT: 21.84 min Scan# 2716
Delta R.T. 0.00 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

Tgt Ion:228 Resp: 13954
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.0
229 20.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.399 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

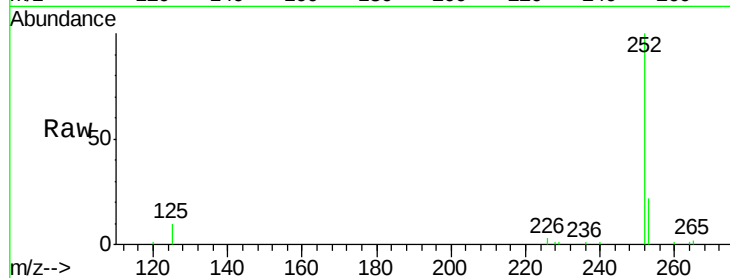
Tot Ion:252 Resp: 13962

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

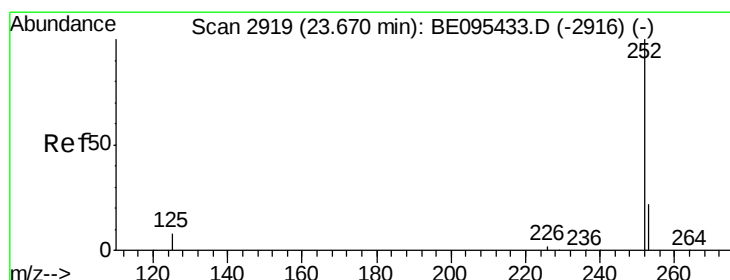
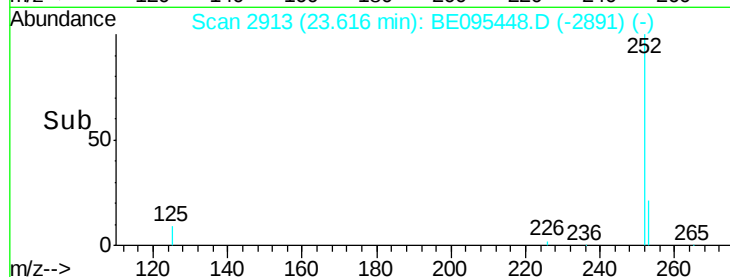
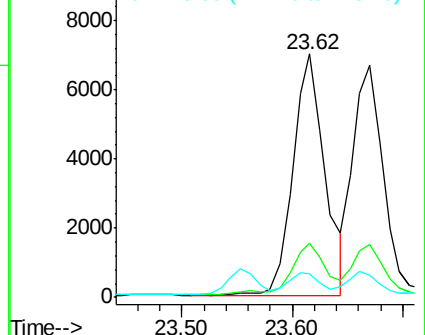
125 9.9 0.0 35.0



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: 0.396 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

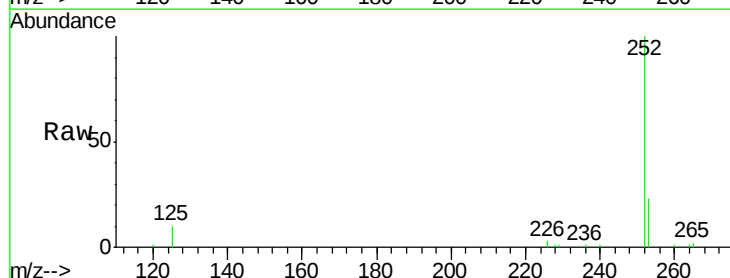
Tgt Ion:252 Resp: 12679

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

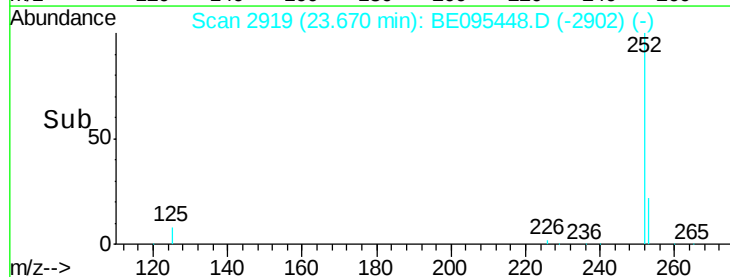
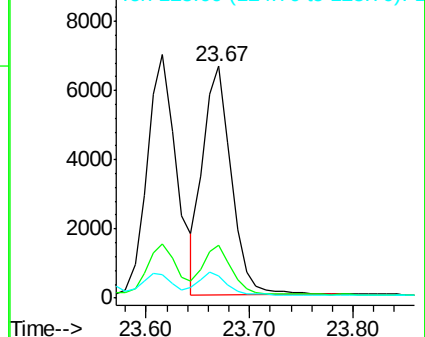
125 9.5 13.7 20.5#

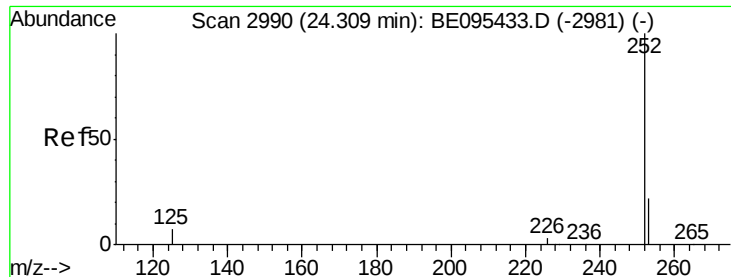


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

Instrument :

BNA_E

ClientSampleId :

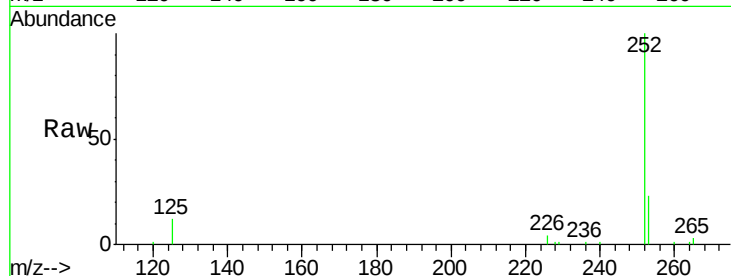
Tot Ion:252 Resp: 12842

Ion Ratio Lower Upper

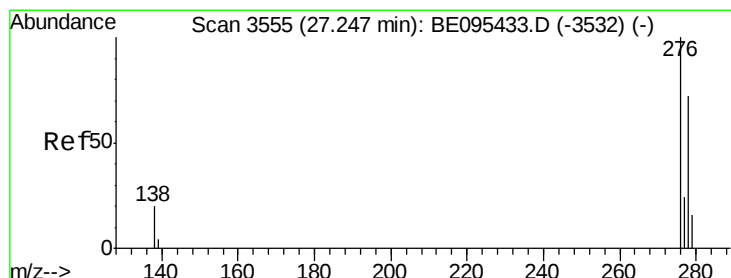
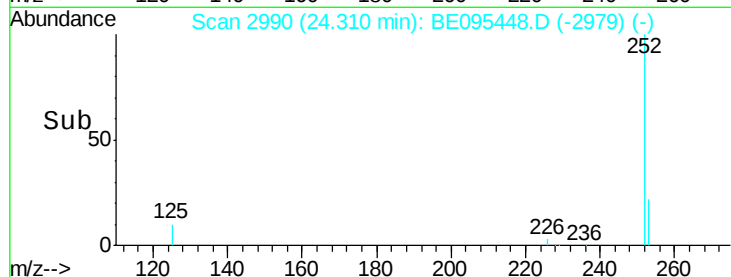
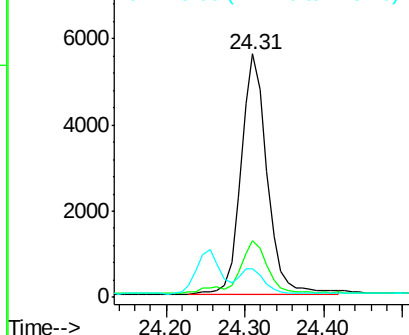
252 100

253 23.2 28.5 42.7#

125 11.9 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: 0.380 ng/ul

RT: 27.24 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BE095448.D

Acq: 3 Feb 2018 21:34

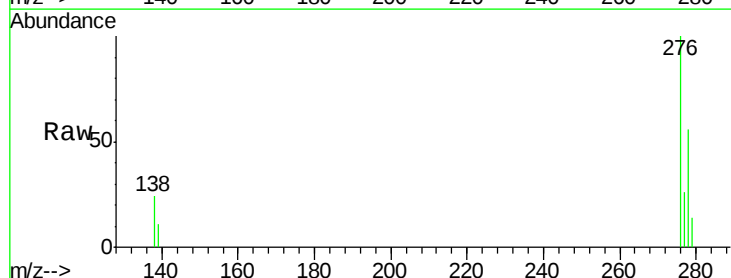
Tgt Ion:276 Resp: 13008

Ion Ratio Lower Upper

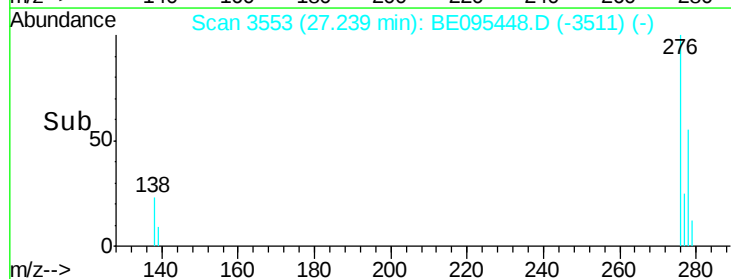
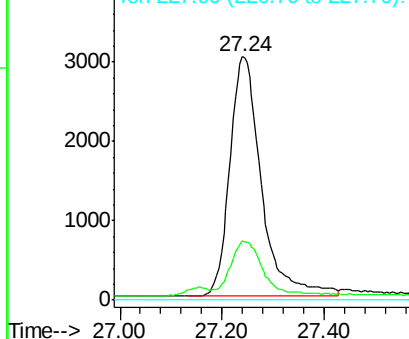
276 100

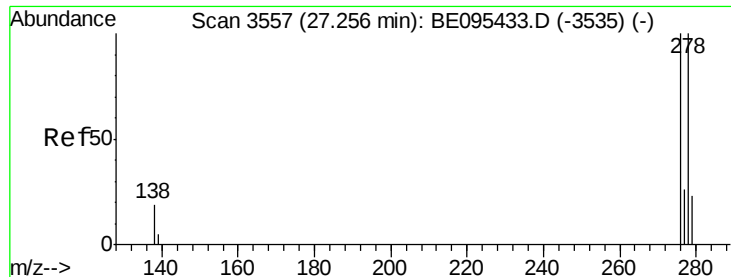
138 22.1 28.0 42.0#

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

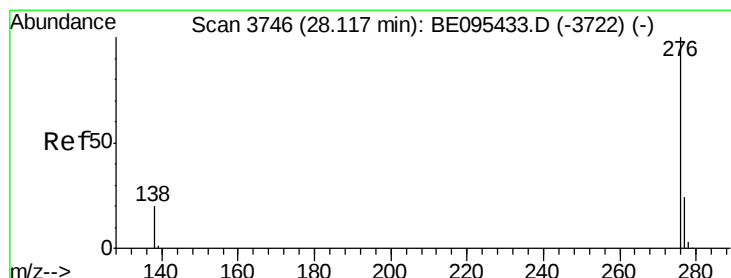
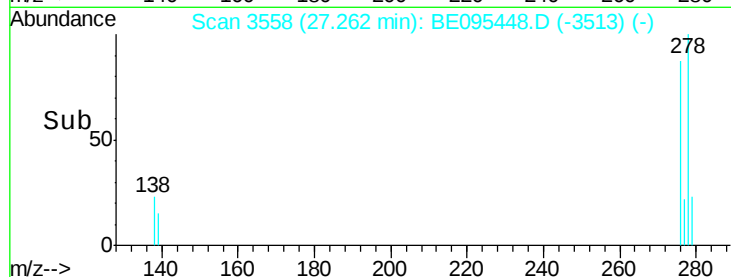
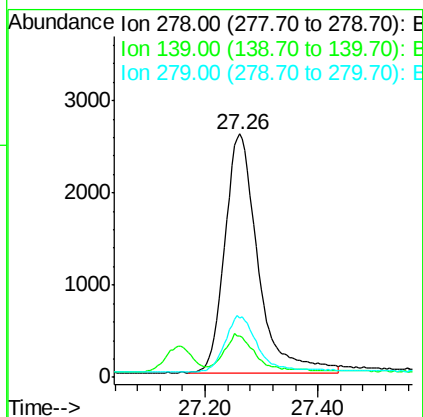
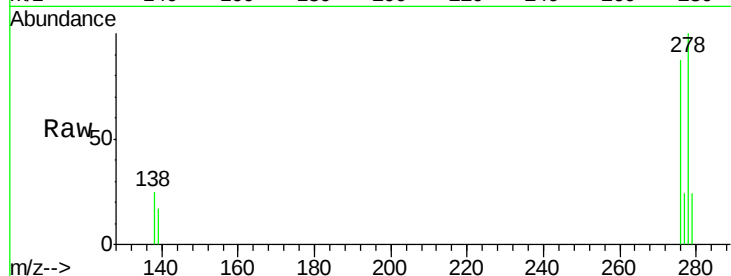




#25
Dibenzo(a,h)anthracene
Concen: 0.369 ng/ul
RT: 27.26 min Scan# 3558
Delta R.T. 0.01 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 10343
Ion Ratio Lower Upper
278 100
139 17.2 17.4 26.0#
279 24.5 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.380 ng/ul
RT: 28.12 min Scan# 3746
Delta R.T. 0.00 min
Lab File: BE095448.D
Acq: 3 Feb 2018 21:34

Tgt Ion:276 Resp: 11018
Ion Ratio Lower Upper
276 100
138 22.3 21.8 32.8
277 25.0 20.5 30.7

