

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020218\
 Data File : BE095431.D
 Acq On : 3 Feb 2018 11:26
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 05 01:50:59 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 01:47:56 2018
 Response via : Initial Calibration

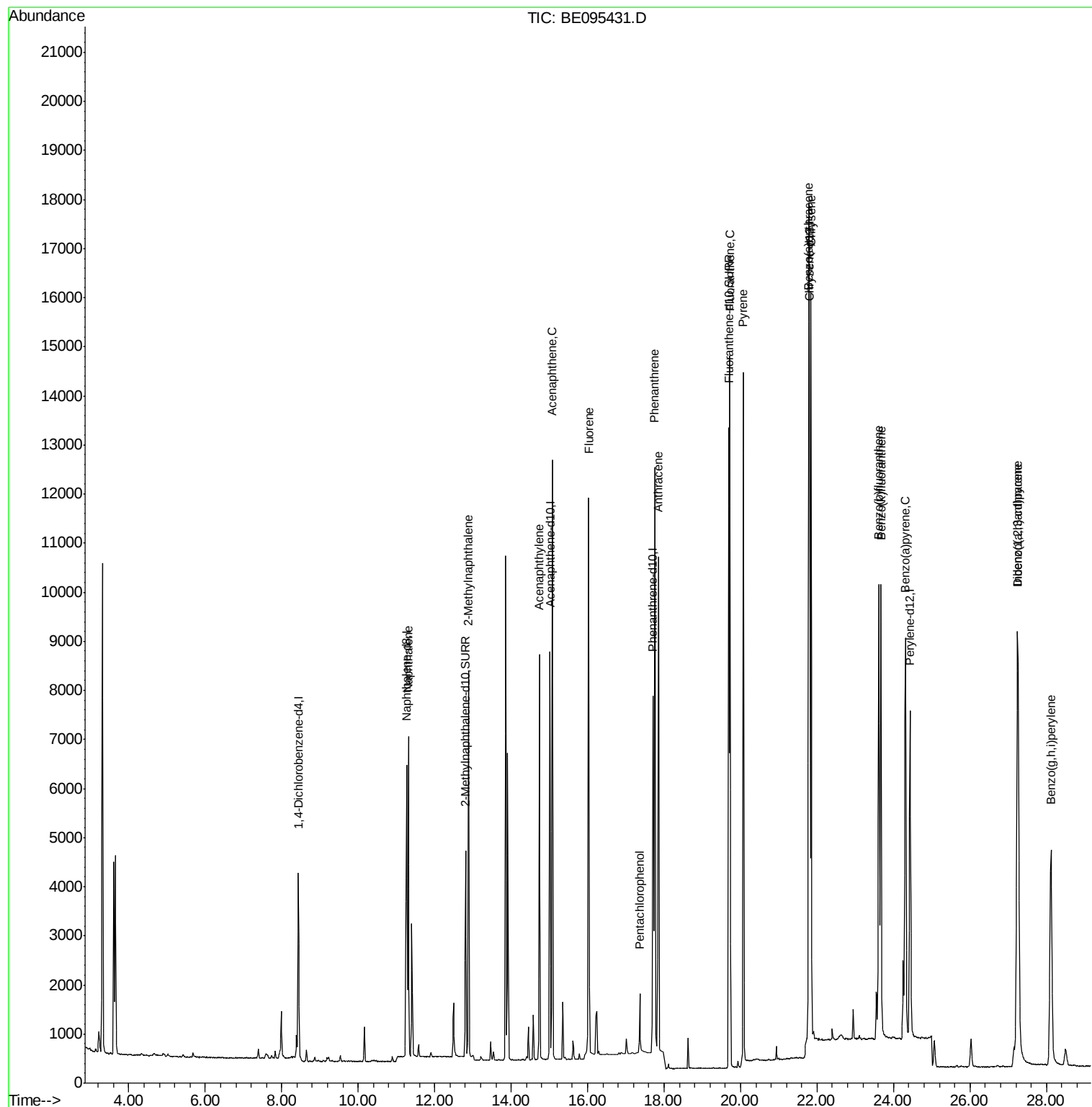
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	2642	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	8182	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4660	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10540	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	11081	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10398	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5544	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	14155	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	9177	0.401	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	6327	0.414	ng/ul	99
7) Acenaphthylene	14.74	152	9601	0.428	ng/ul	97
8) Acenaphthene	15.08	153	7085	0.407	ng/ul	96
9) Fluorene	16.02	166	7964	0.444	ng/ul#	84
11) Pentachlorophenol	17.36	266	814	0.399	ng/ul	97
12) Phenanthrene	17.75	178	13682	0.386	ng/ul#	90
13) Anthracene	17.84	178	12613	0.389	ng/ul#	92
15) Fluoranthene	19.72	202	15916	0.347	ng/ul	82
17) Pyrene	20.07	202	17422	0.469	ng/ul#	80
18) Benzo(a)anthracene	21.78	228	14852	0.429	ng/ul#	84
19) Chrysene	21.84	228	14406	0.400	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	14410	0.393	ng/ul	83
22) Benzo(k)fluoranthene	23.67	252	13270	0.395	ng/ul#	85
23) Benzo(a)pyrene	24.31	252	13358	0.408	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.24	276	14465	0.403	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.26	278	11486	0.391	ng/ul#	88
26) Benzo(g,h,i)perylene	28.12	276	12158	0.400	ng/ul#	93

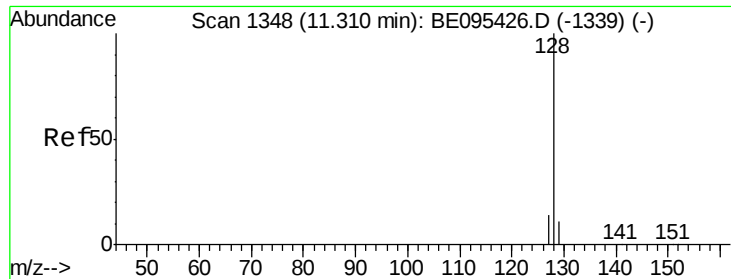
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

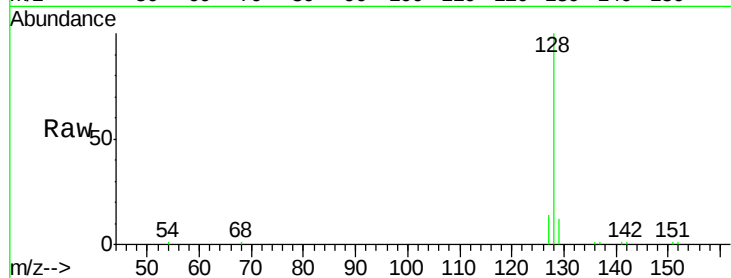
Tot Ion:128 Resp: 9177

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

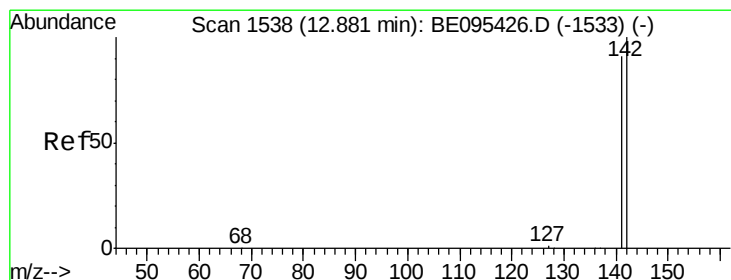
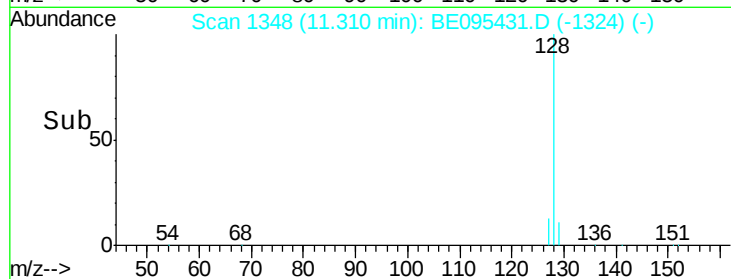
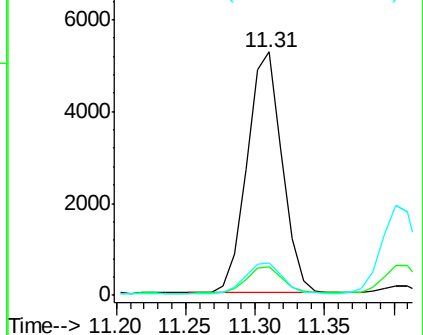
127 13.6 4.0 6.0#



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: 0.414 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE095431.D

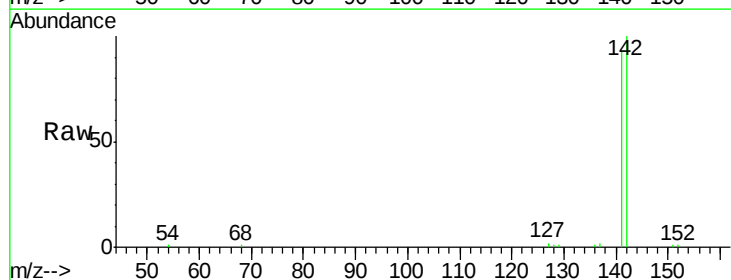
Acq: 3 Feb 2018 11:26

Tgt Ion:142 Resp: 6327

Ion Ratio Lower Upper

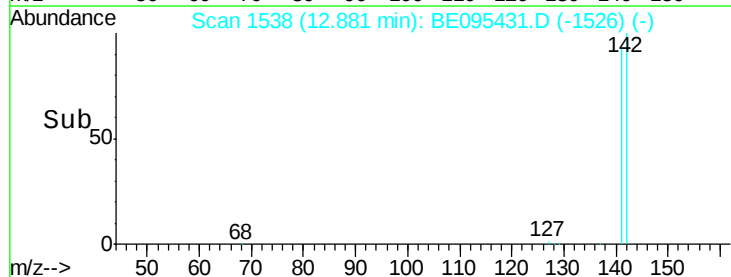
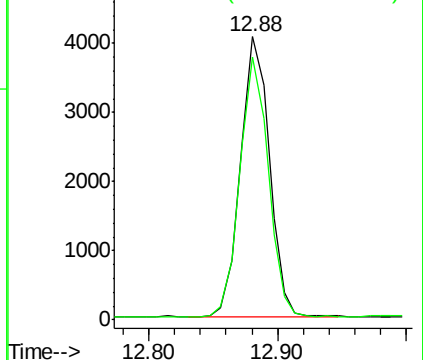
142 100

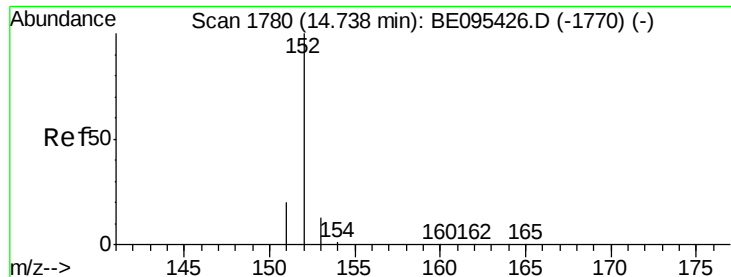
141 91.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.428 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

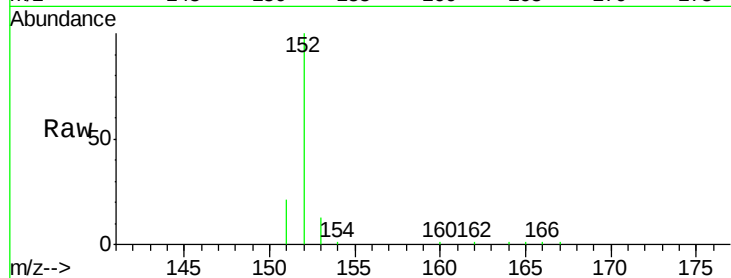
Tot Ion:152 Resp: 9601

Ion Ratio Lower Upper

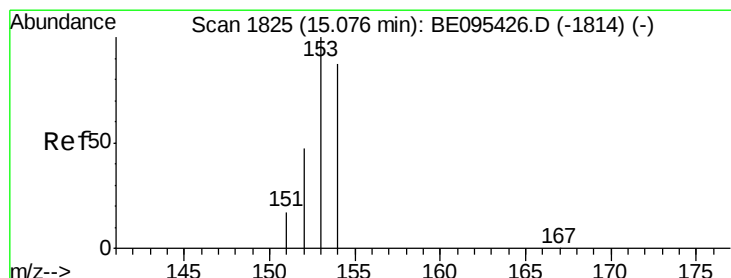
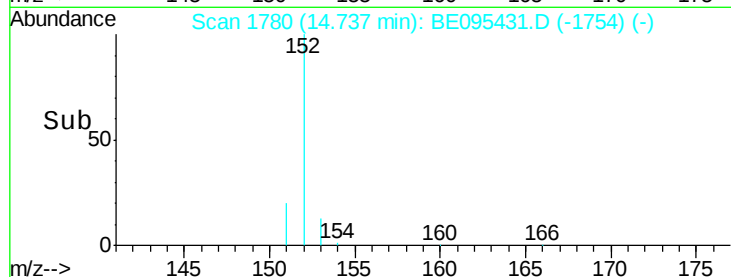
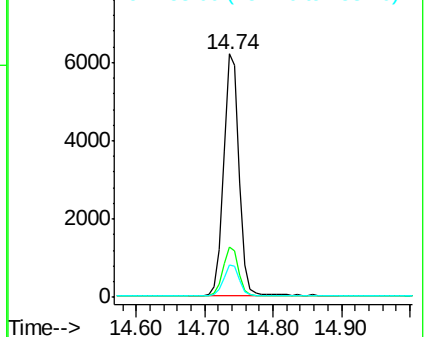
152 100

151 20.8 17.1 25.7

153 13.5 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: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

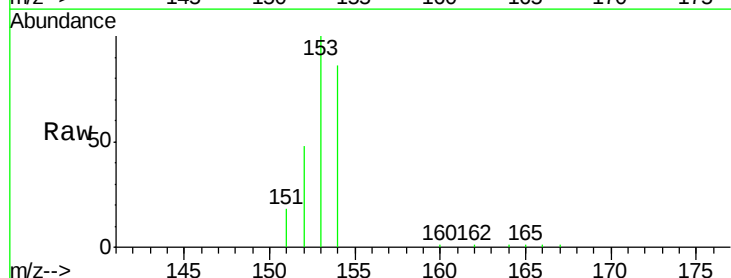
Tgt Ion:153 Resp: 7085

Ion Ratio Lower Upper

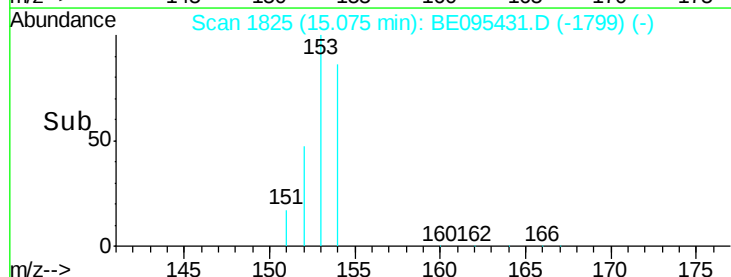
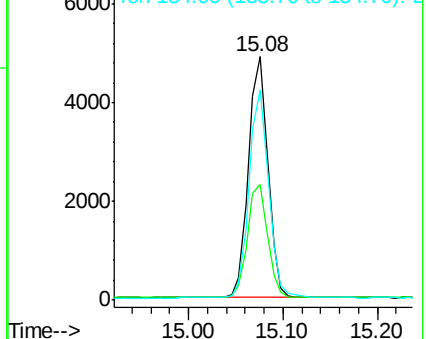
153 100

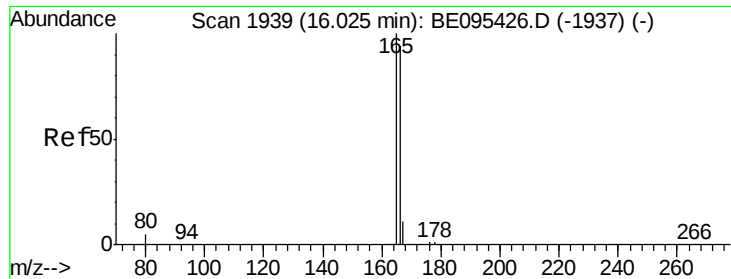
152 47.6 36.0 54.0

154 86.1 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: 0.444 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

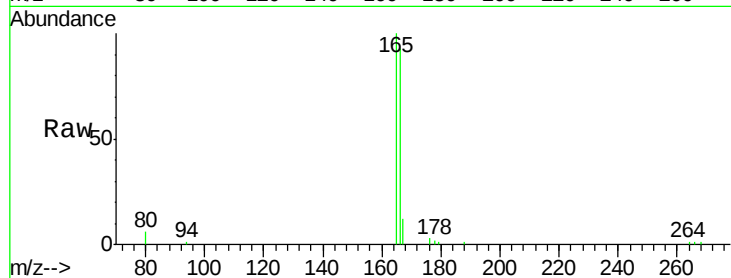
Tot Ion:166 Resp: 7964

Ion Ratio Lower Upper

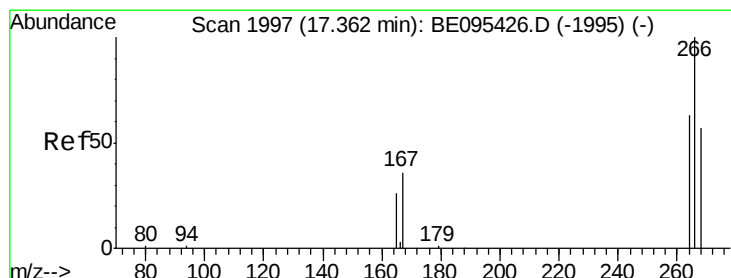
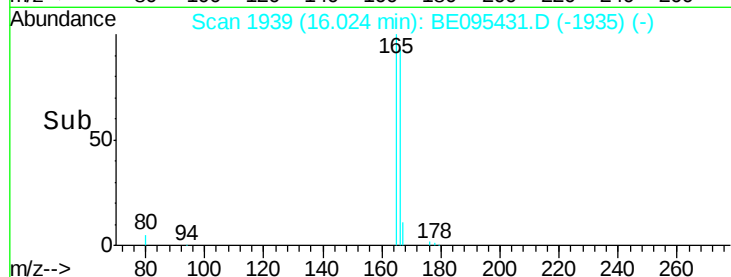
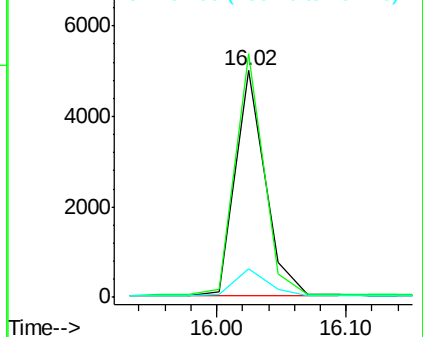
166 100

165 107.5 73.4 110.2

167 12.9 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: 0.399 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

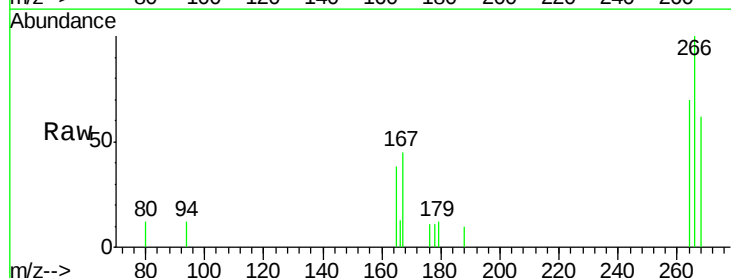
Tgt Ion:266 Resp: 814

Ion Ratio Lower Upper

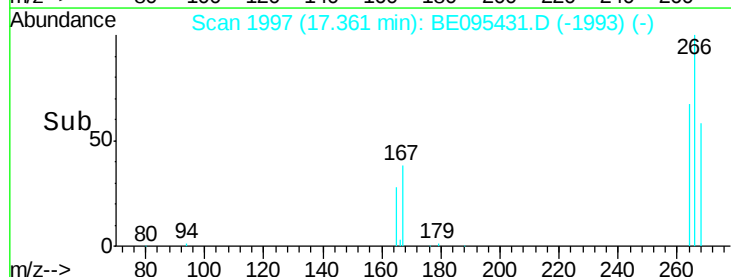
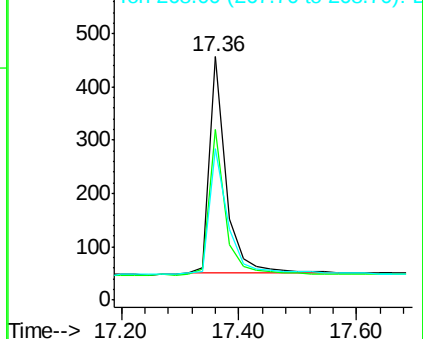
266 100

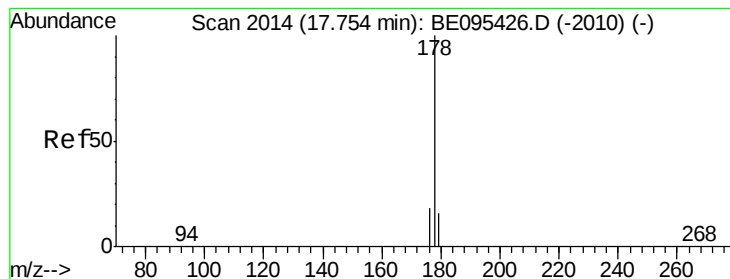
264 63.5 47.9 71.9

268 61.7 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: 0.386 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

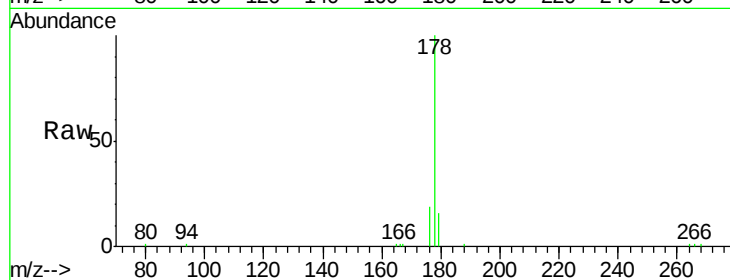
Tot Ion:178 Resp: 13682

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

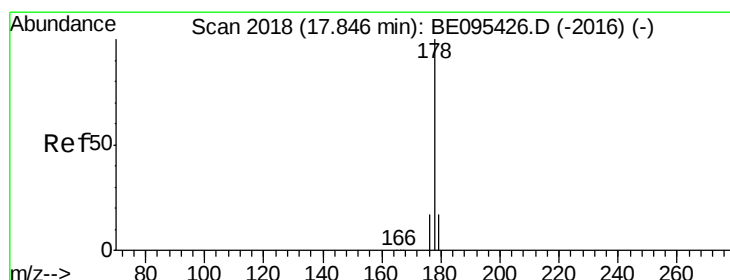
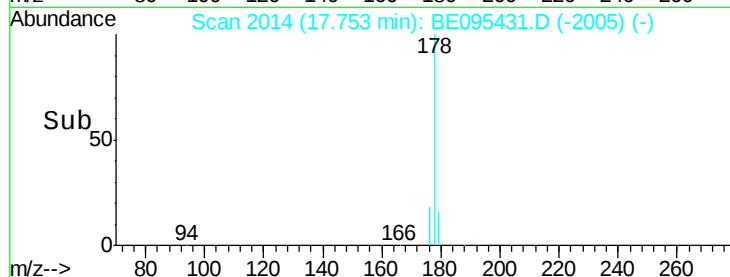
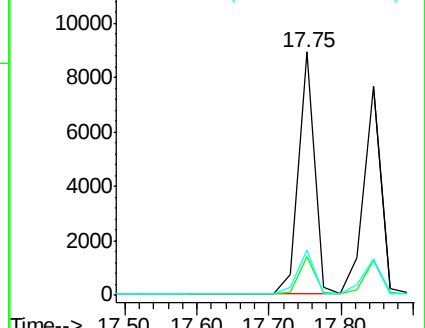
176 18.6 13.6 20.4



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: 0.389 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

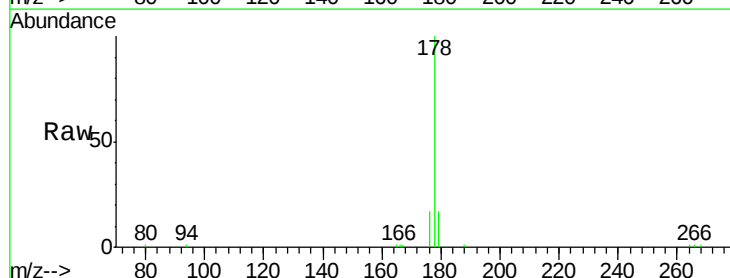
Tgt Ion:178 Resp: 12613

Ion Ratio Lower Upper

178 100

179 16.6 18.1 27.1#

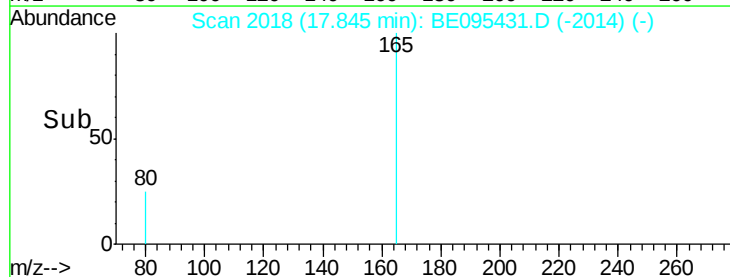
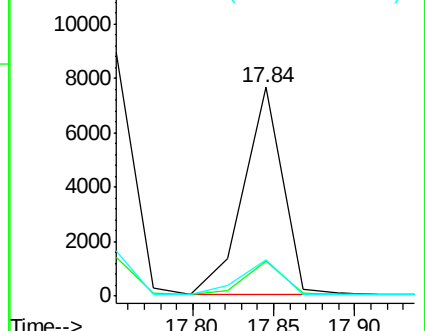
176 17.1 14.7 22.1

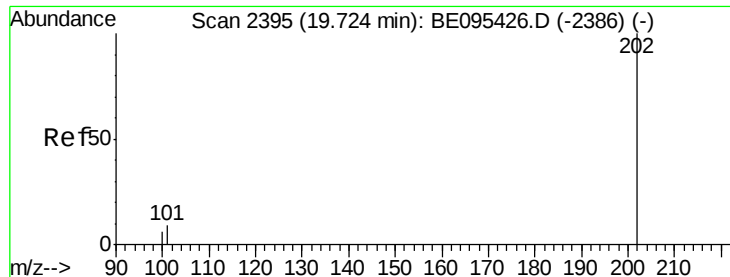


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.347 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

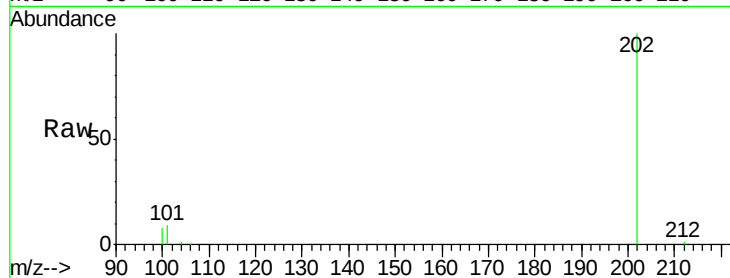
Tot Ion:202 Resp: 15916

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

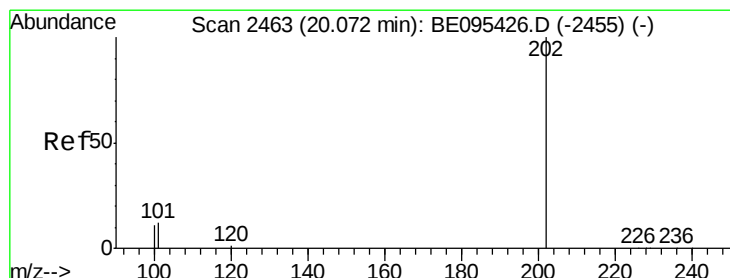
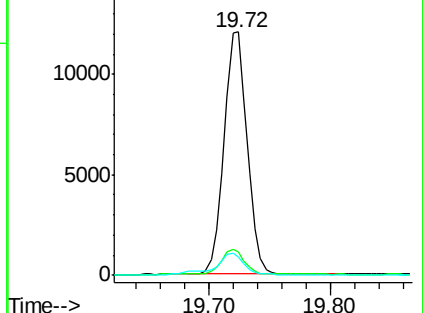
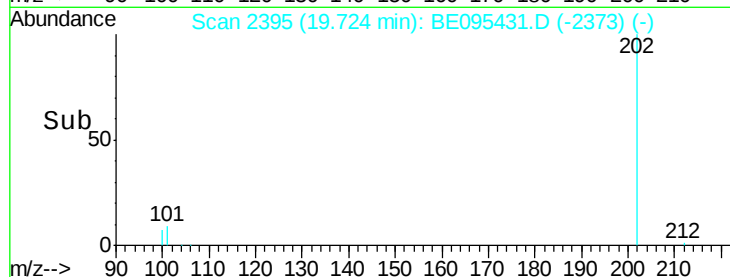
100 7.5 0.0 39.5



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: 0.469 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

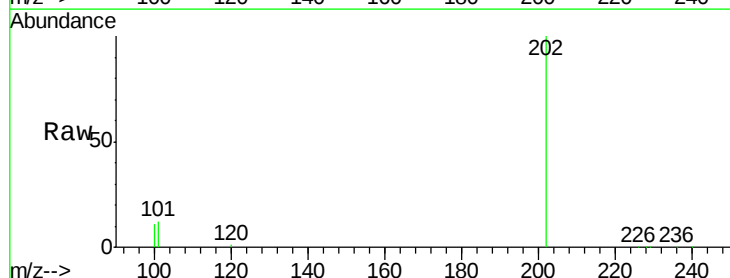
Tgt Ion:202 Resp: 17422

Ion Ratio Lower Upper

202 100

101 12.4 18.2 27.4#

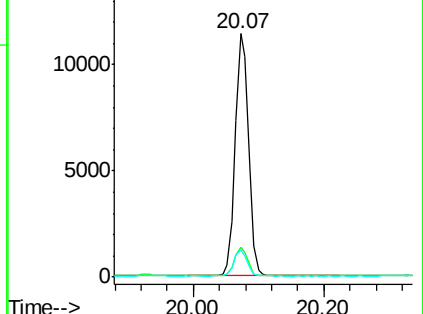
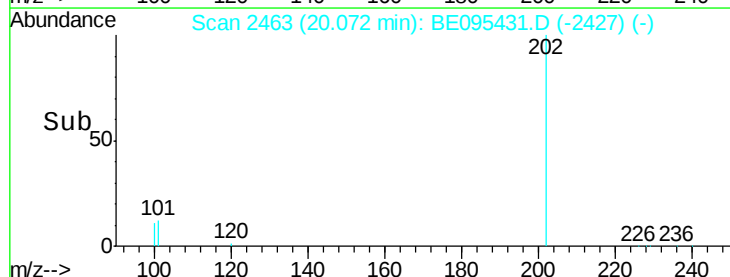
100 11.3 15.6 23.4#

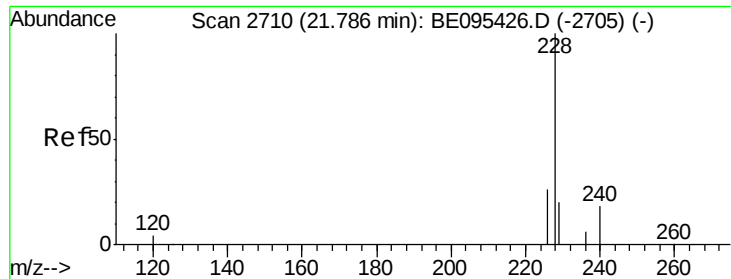


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.429 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

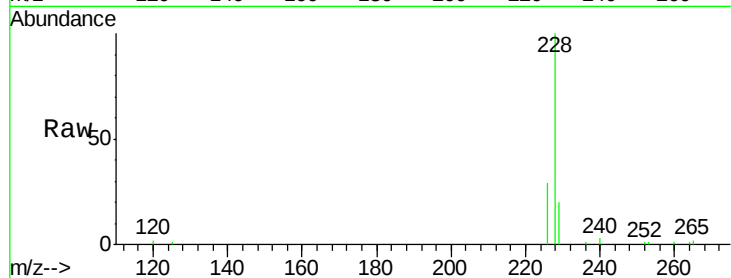
Tot Ion:228 Resp: 14852

Ion Ratio Lower Upper

228 100

229 19.6 22.8 34.2#

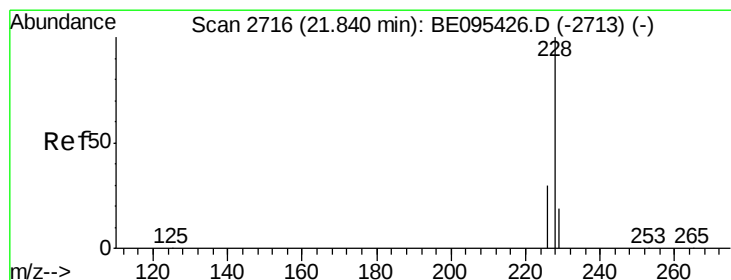
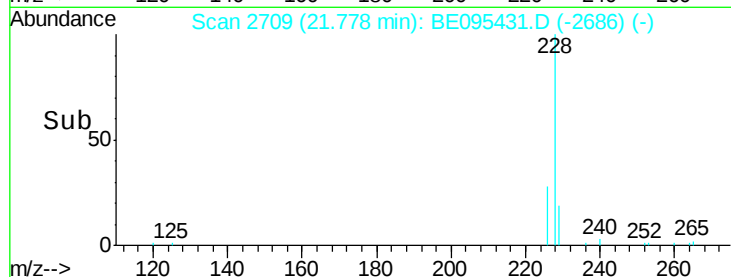
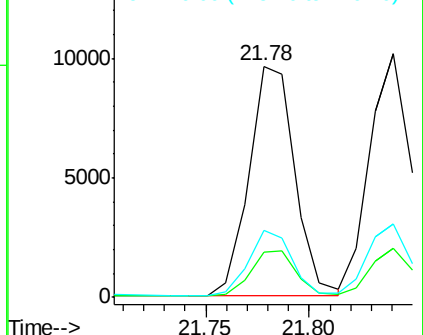
226 28.7 17.0 25.6#



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: 0.400 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

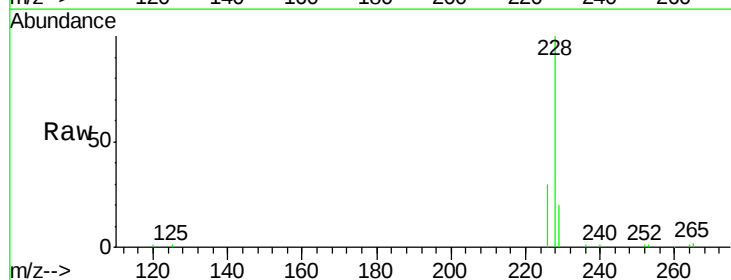
Tgt Ion:228 Resp: 14406

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

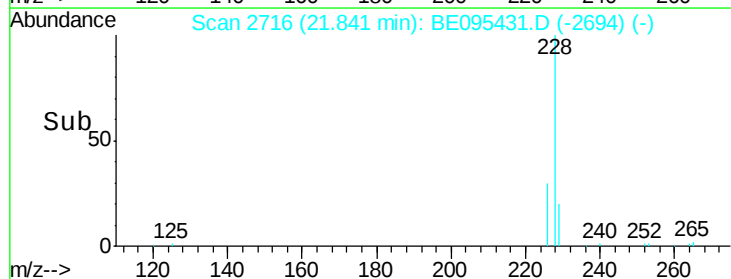
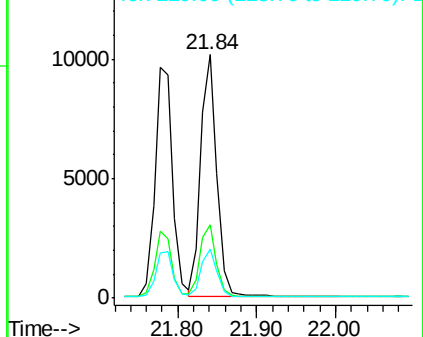
229 20.0 17.7 26.5

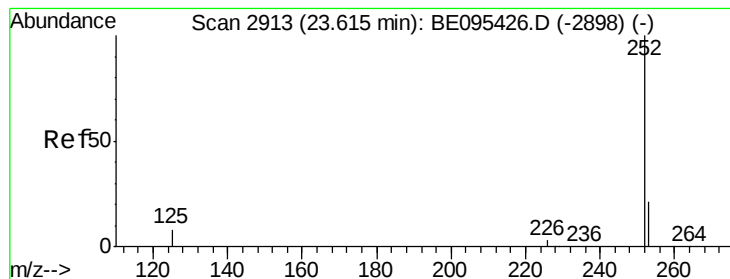


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.393 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

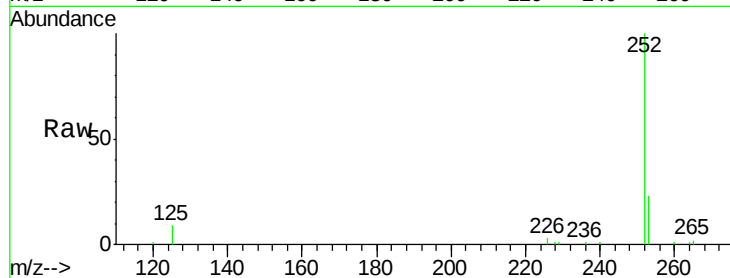
Tot Ion:252 Resp: 14410

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

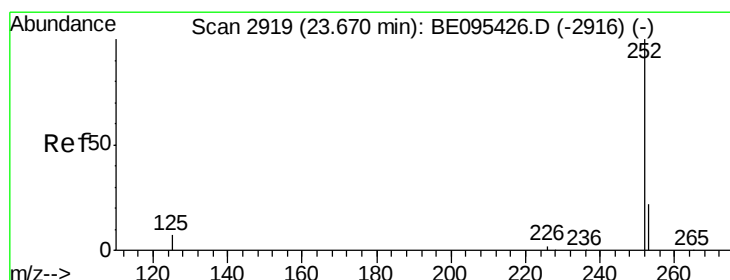
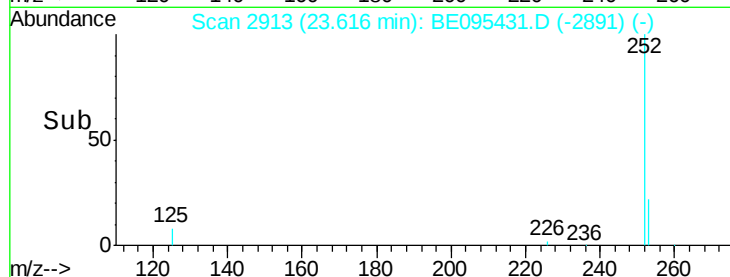
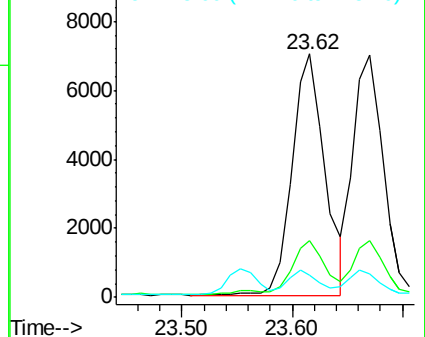
125 9.2 0.0 35.0



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: 0.395 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

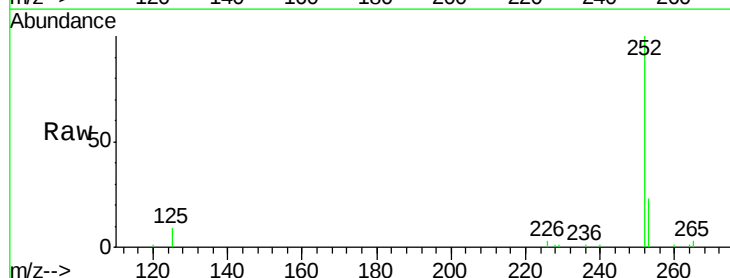
Tgt Ion:252 Resp: 13270

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

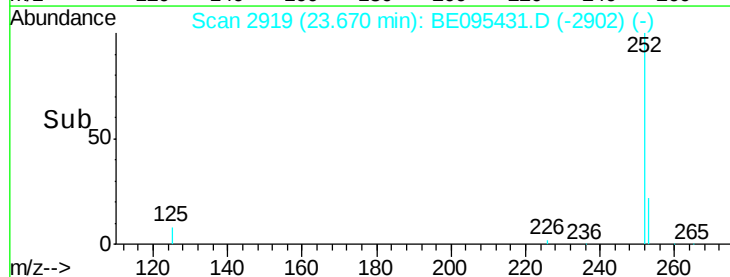
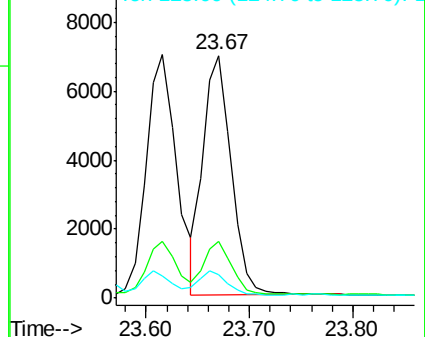
125 9.4 13.7 20.5#

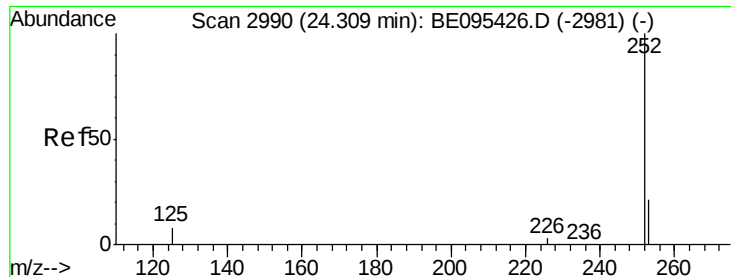


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.408 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

Instrument :

BNA_E

ClientSampleId :

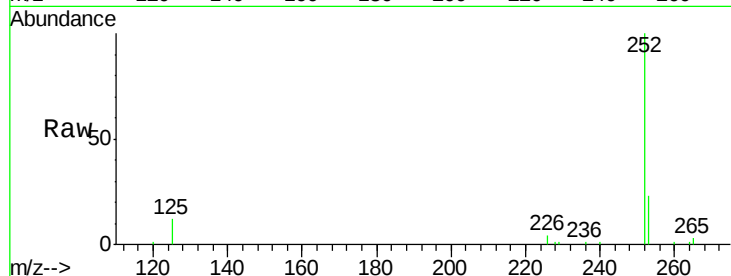
Tot Ion:252 Resp: 13358

Ion Ratio Lower Upper

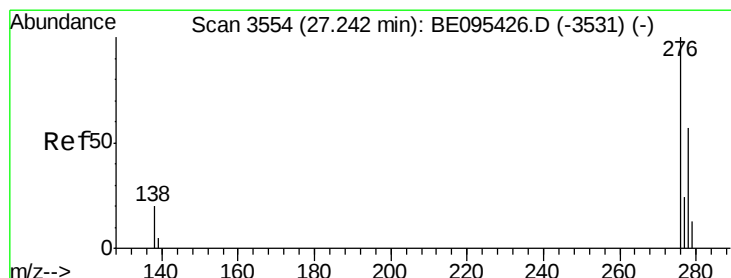
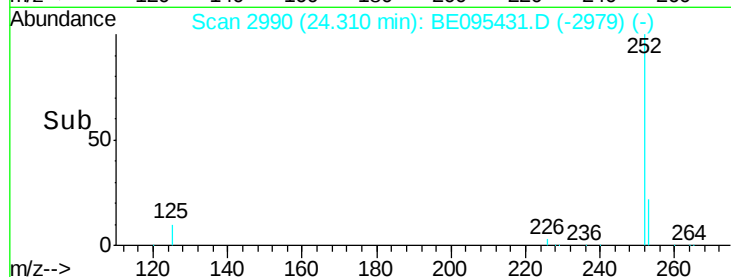
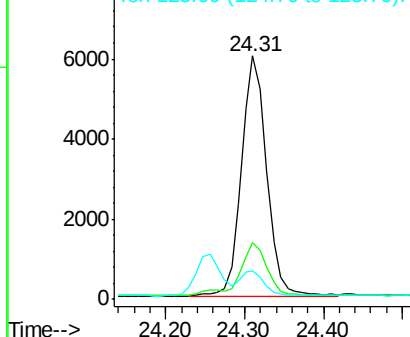
252 100

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: 0.403 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. 0.00 min

Lab File: BE095431.D

Acq: 3 Feb 2018 11:26

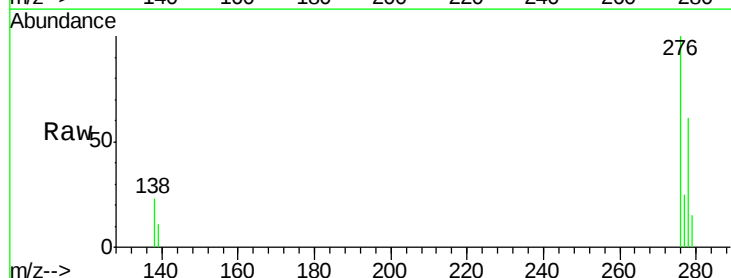
Tgt Ion:276 Resp: 14465

Ion Ratio Lower Upper

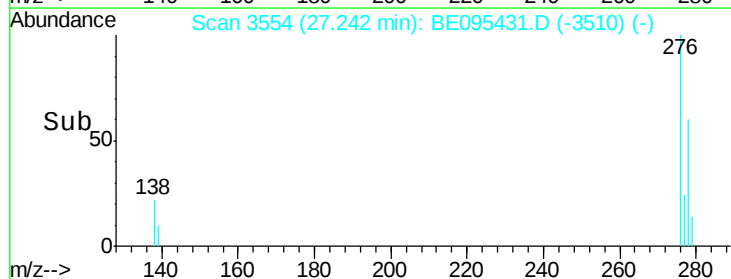
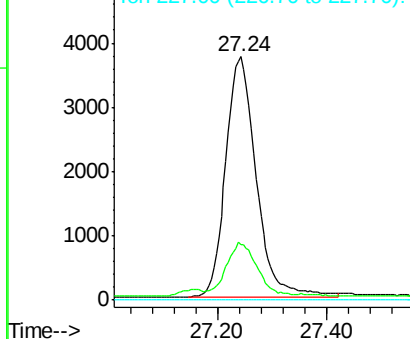
276 100

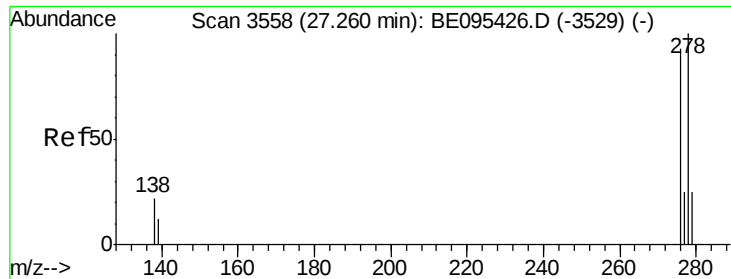
138 22.4 28.0 42.0#

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

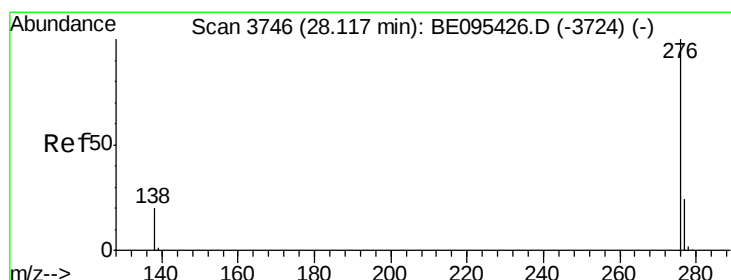
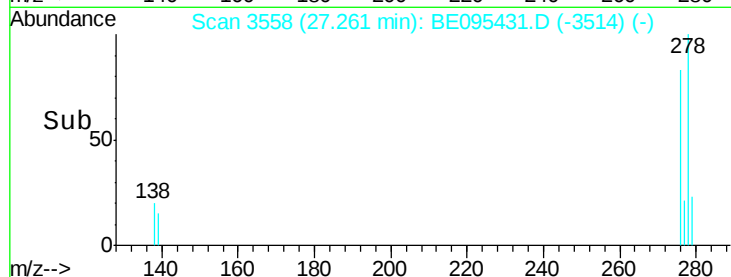
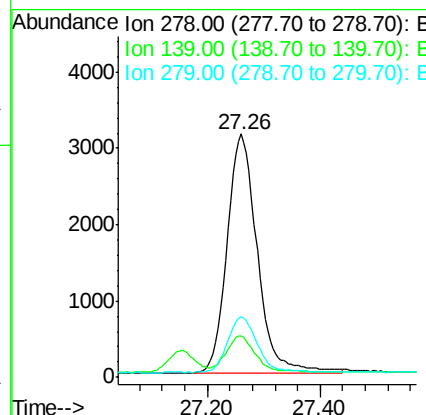
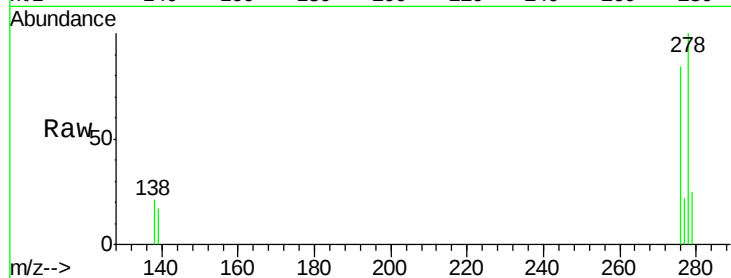




#25
Dibenzo(a,h)anthracene
Concen: 0.391 ng/ul
RT: 27.26 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE095431.D
Acq: 3 Feb 2018 11:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 11486
Ion Ratio Lower Upper
278 100
139 16.8 17.4 26.0#
279 24.6 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.400 ng/ul
RT: 28.12 min Scan# 3746
Delta R.T. 0.00 min
Lab File: BE095431.D
Acq: 3 Feb 2018 11:26

Tgt Ion:276 Resp: 12158
Ion Ratio Lower Upper
276 100
138 21.4 21.8 32.8#
277 23.9 20.5 30.7

