

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096169.D
 Acq On : 26 Apr 2018 3:56
 Operator : SJ/JU
 Sample : J2431-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 06:41:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 26 06:40:54 2018
 Response via : Initial Calibration

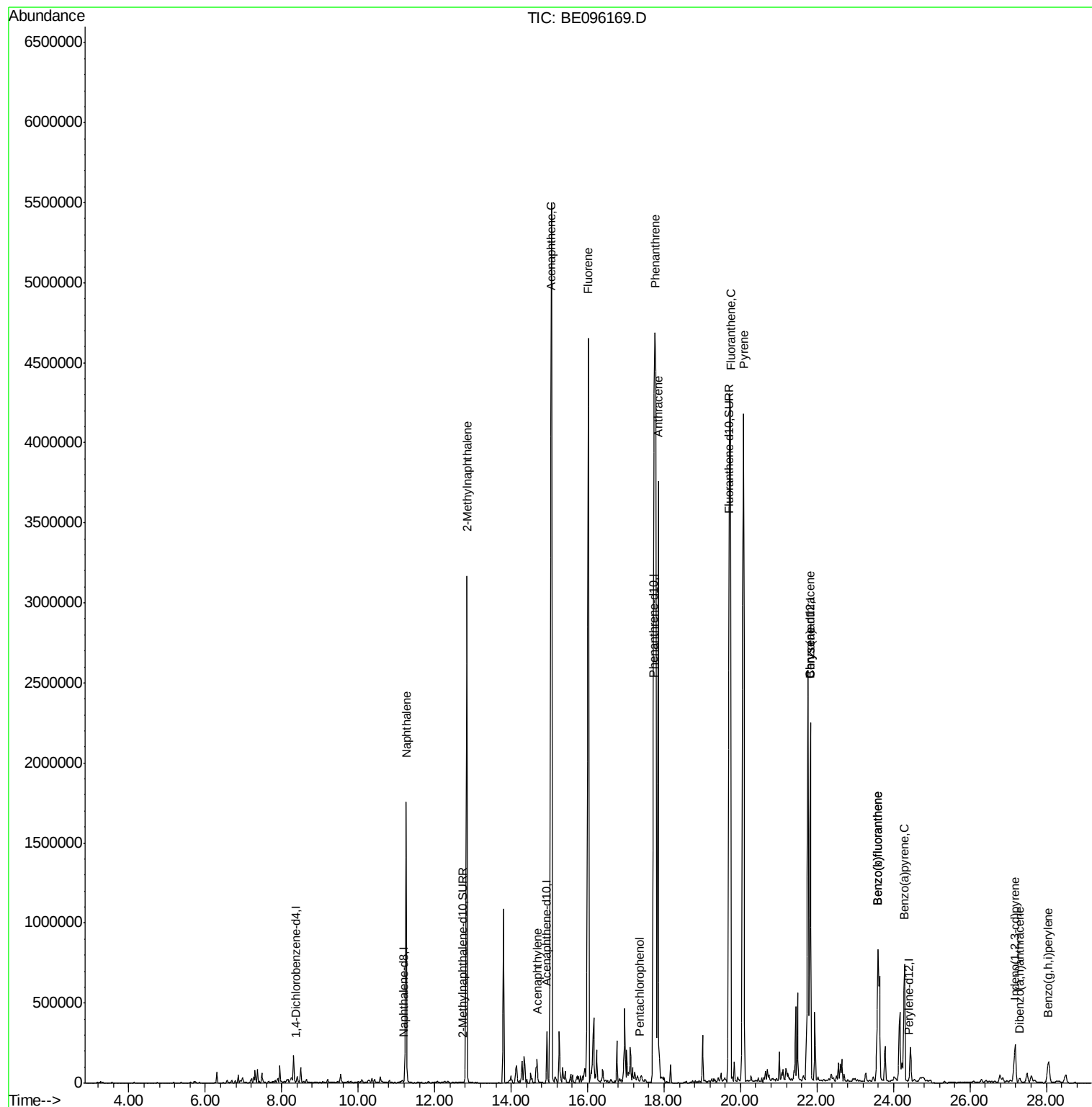
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	975	0.40	ng/ul	0.00
2) Naphthalene-d8	11.19	136	3927	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	12566	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.71	188	5018	0.40	ng/ul	0.06
16) Chrysene-d12	21.82	240	3277	0.40	ng/ul	0.08
20) Perylene-d12	24.39	264	3022	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1361	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	2020	0.09	ng/ul	0.05
Target Compounds				Ovalue		
3) Naphthalene	11.26	128	2737368	250.343	ng/ul#	88
5) 2-Methylnaphthalene	12.85	142	3161635	431.561	ng/ul	99
7) Acenaphthylene	14.68	152	160750	2.482	ng/ul#	96
8) Acenaphthene	15.05	153	5216833	111.694	ng/ul	96
9) Fluorene	16.02	166	4896439	79.231	ng/ul#	89
11) Pentachlorophenol	17.37	266	1039	0.860	ng/ul	90
12) Phenanthrene	17.76	178	15808649	1070.027	ng/ul#	88
13) Anthracene	17.84	178	4113399	277.516	ng/ul#	91
15) Fluoranthene	19.74	202	13132580	581.533	ng/ul	79
17) Pyrene	20.08	202	11774623	1791.041	ng/ul#	80
18) Benzo(a)anthracene	21.83	228	2482614	250.235	ng/ul#	85
19) Chrysene	21.83	228	2482614	272.319	ng/ul	95
21) Benzo(b)fluoranthene	23.59	252	2601104	227.313	ng/ul	83
22) Benzo(k)fluoranthene	23.59	252	2601104	237.782	ng/ul#	84
23) Benzo(a)pyrene	24.29	252	1275263	128.282	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	27.18	276	464584	34.684	ng/ul#	72
25) Dibenzo(a,h)anthracene	27.30	278	45743	4.079	ng/ul	93
26) Benzo(g,h,i)perylene	28.05	276	377529	32.380	ng/ul#	90

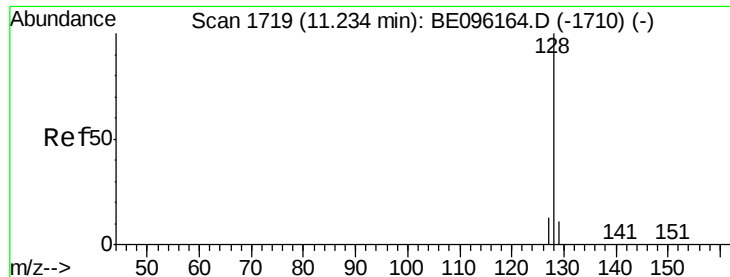
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 250.343 ng/ul

RT: 11.26 min Scan# 1722

Delta R.T. 0.03 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampleId :

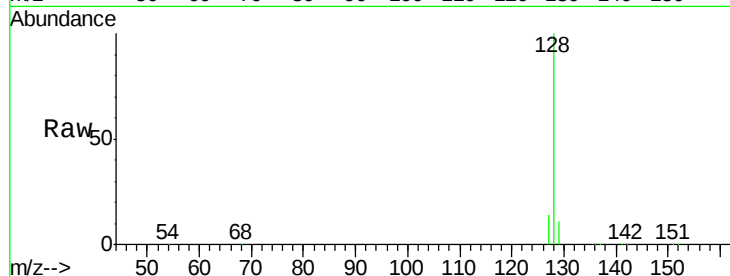
Tot Ion:128 Resp: 2737368

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

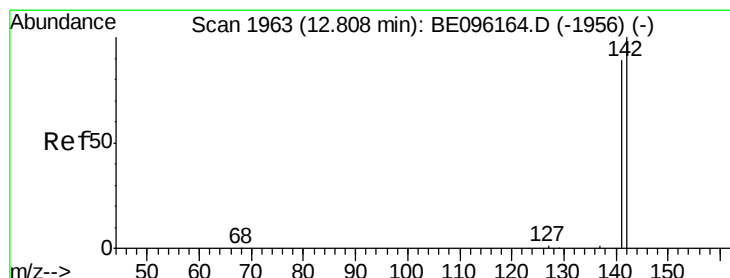
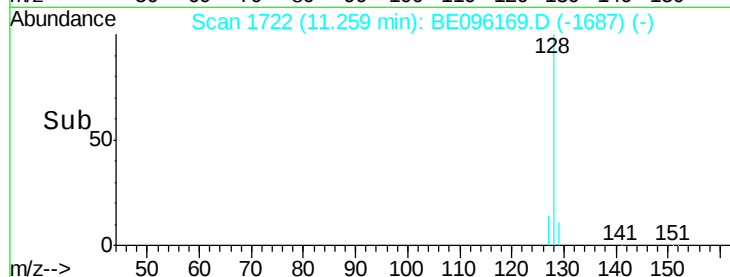
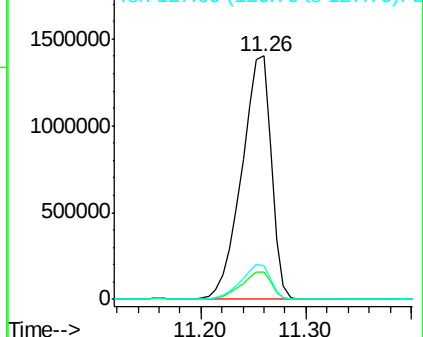
127 13.9 4.0 6.0#



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: 431.561 ng/ul

RT: 12.85 min Scan# 1968

Delta R.T. 0.04 min

Lab File: BE096169.D

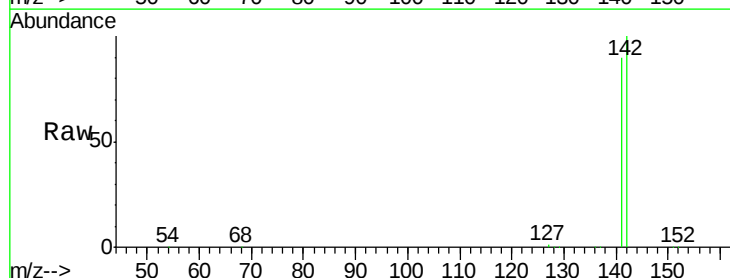
Acq: 26 Apr 2018 3:56

Tgt Ion:142 Resp: 3161635

Ion Ratio Lower Upper

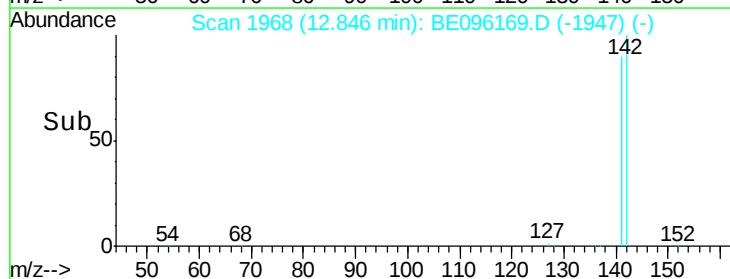
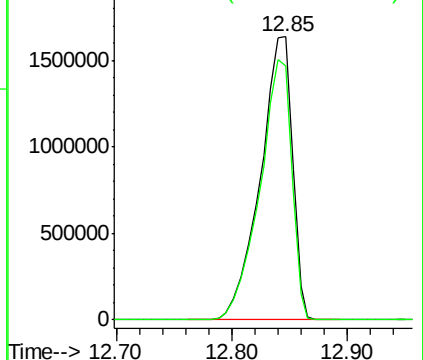
142 100

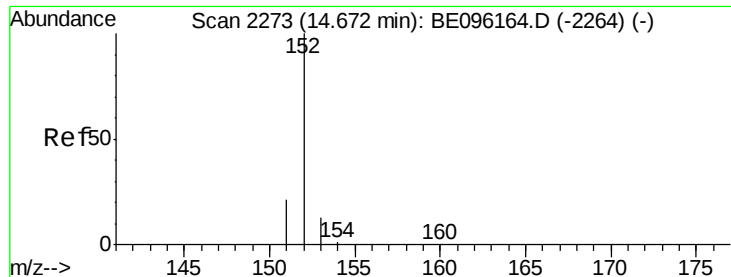
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.482 ng/ul

RT: 14.68 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampleId :

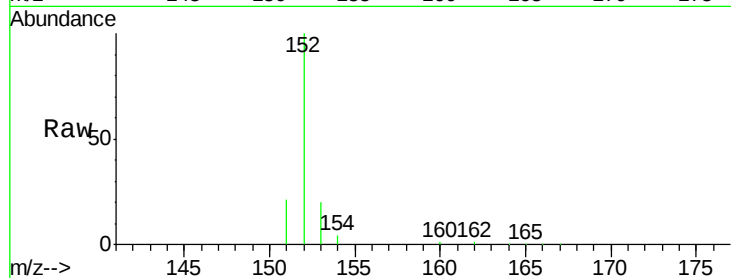
Tot Ion:152 Resp: 160750

Ion Ratio Lower Upper

152 100

151 21.5 17.1 25.7

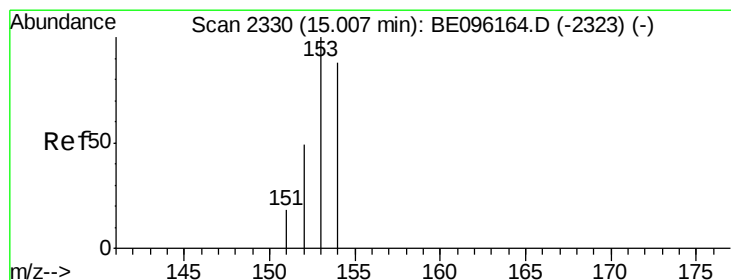
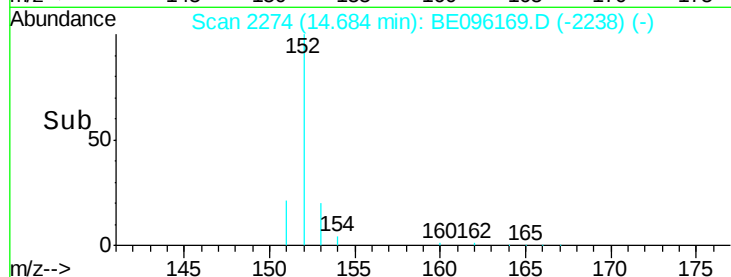
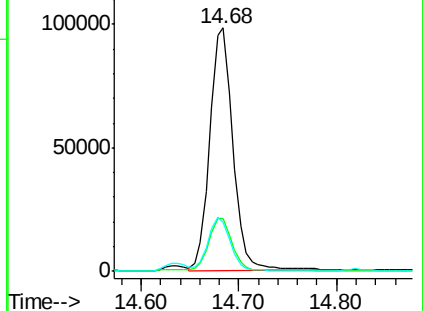
153 20.3 12.8 19.2#



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: 111.694 ng/ul

RT: 15.05 min Scan# 2337

Delta R.T. 0.05 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

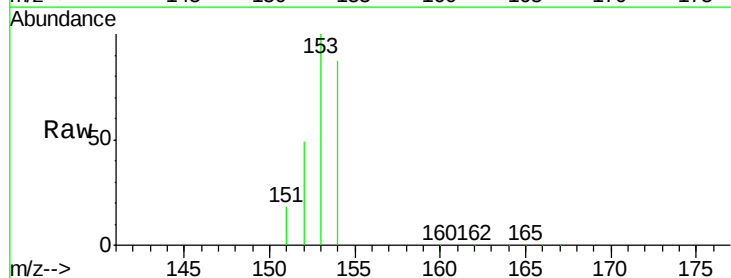
Tgt Ion:153 Resp: 5216833

Ion Ratio Lower Upper

153 100

152 49.0 36.0 54.0

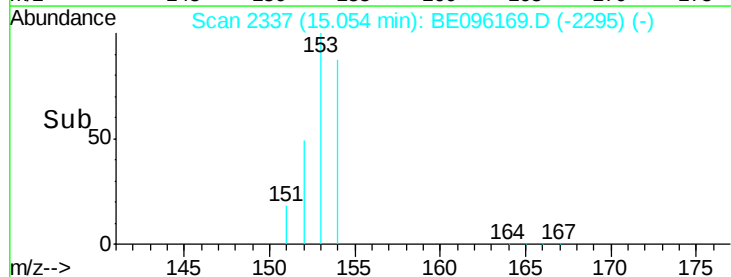
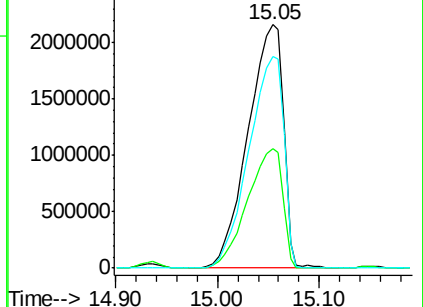
154 86.9 72.0 108.0

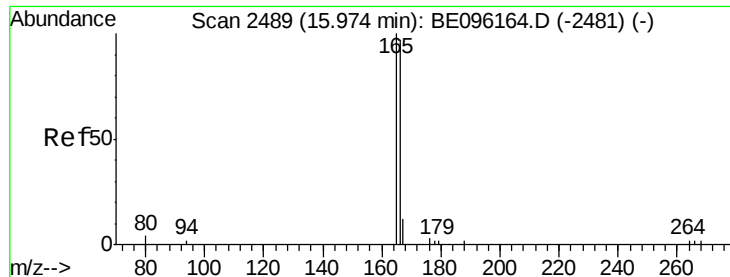


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 79.231 ng/ul

RT: 16.02 min Scan# 2495

Delta R.T. 0.05 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampled :

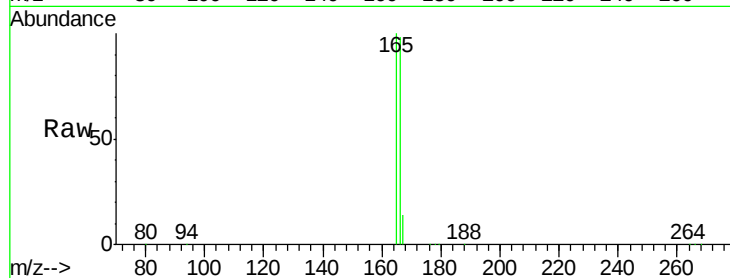
Tot Ion:166 Resp: 4896439

Ion Ratio Lower Upper

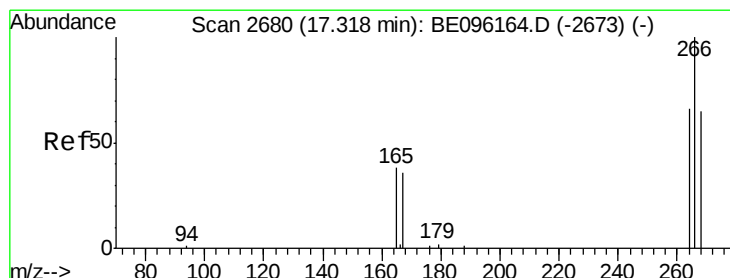
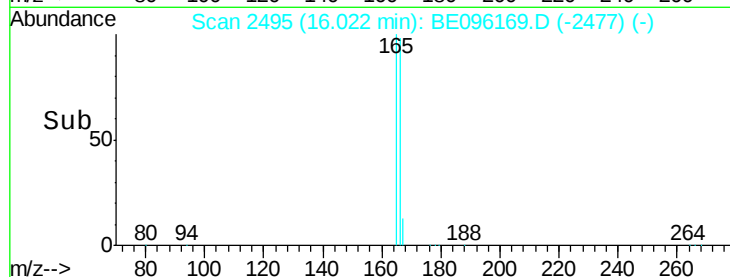
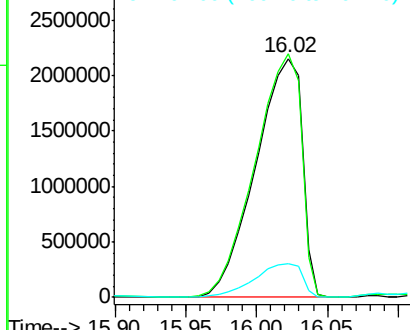
166 100

165 102.0 73.4 110.2

167 14.0 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: 0.860 ng/ul

RT: 17.37 min Scan# 2686

Delta R.T. 0.05 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

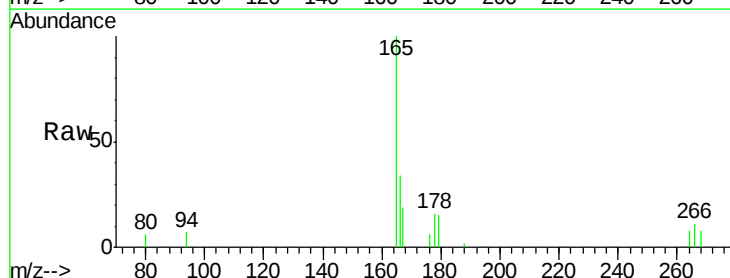
Tgt Ion:266 Resp: 1039

Ion Ratio Lower Upper

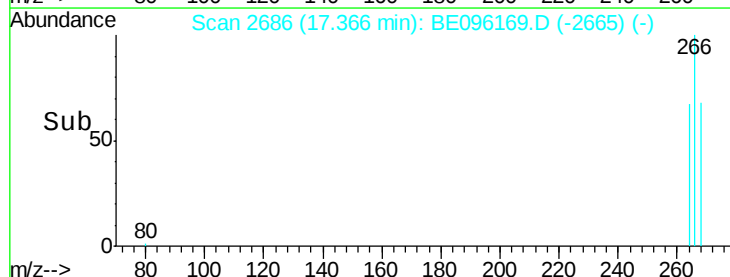
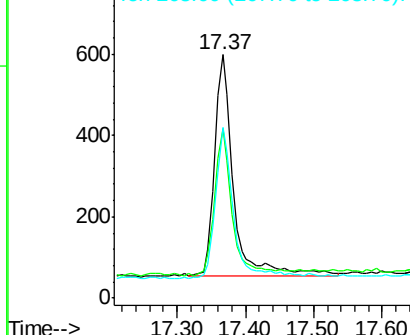
266 100

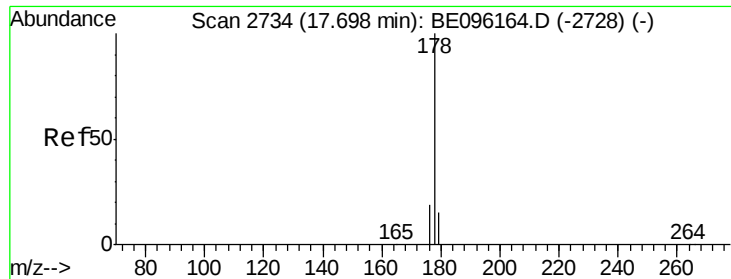
264 70.8 47.9 71.9

268 66.5 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: 1070.027 ng/ul

RT: 17.76 min Scan# 2742

Delta R.T. 0.06 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampleId :

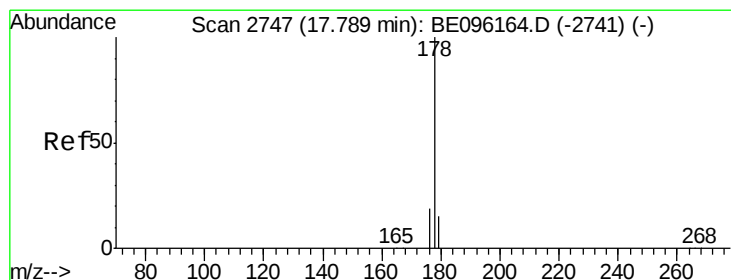
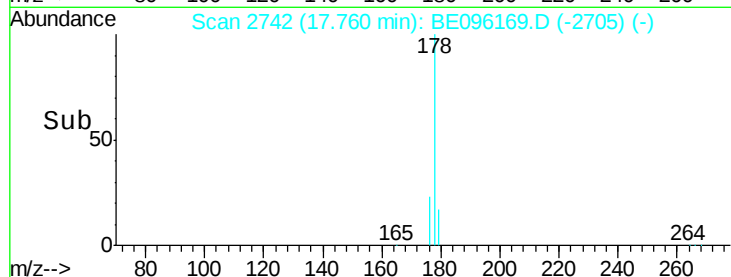
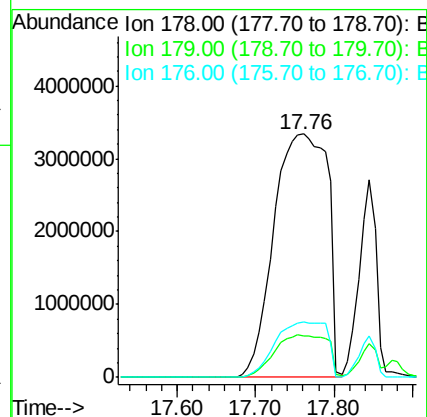
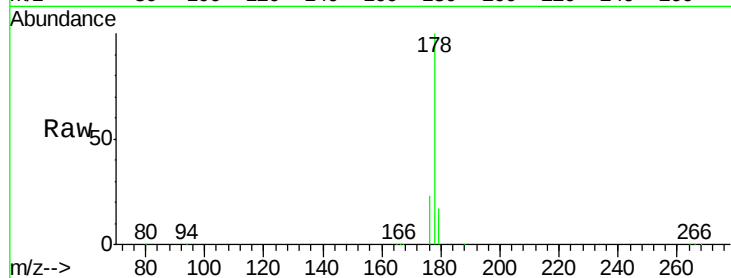
Tot Ion:178 Resp:15808649

Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

176 22.6 13.6 20.4#



#13

Anthracene

Concen: 277.516 ng/ul

RT: 17.84 min Scan# 2754

Delta R.T. 0.06 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

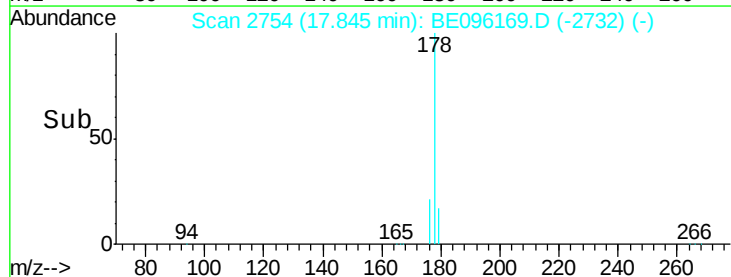
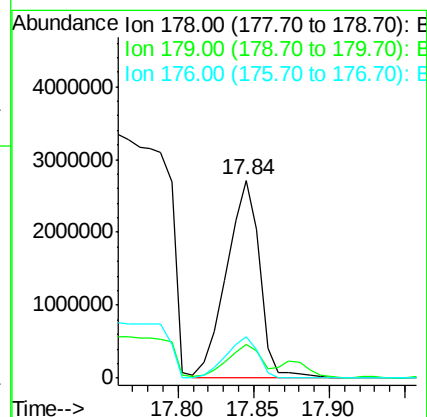
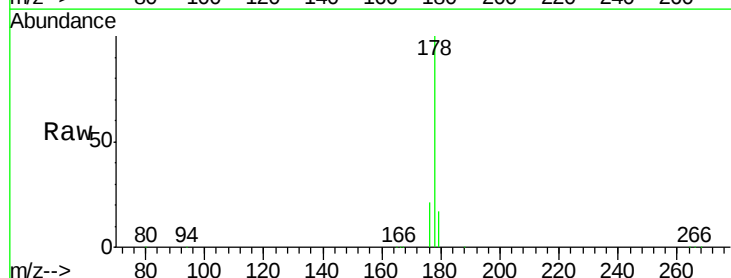
Tgt Ion:178 Resp: 4113399

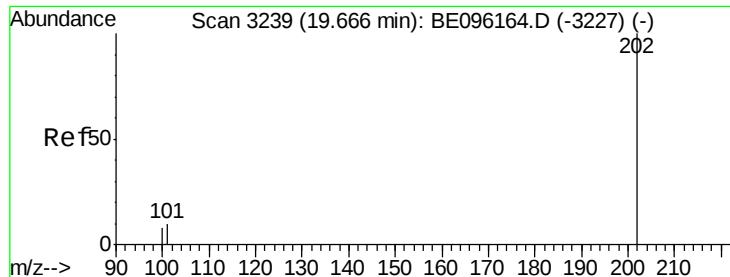
Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

176 21.1 14.7 22.1

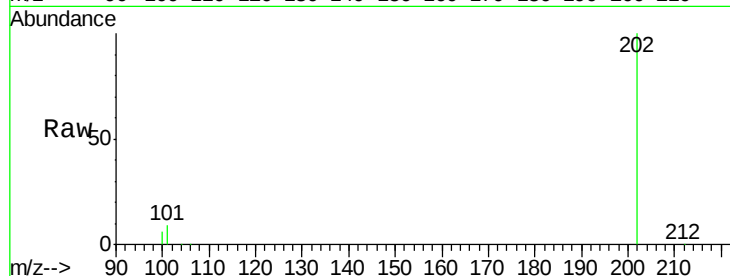




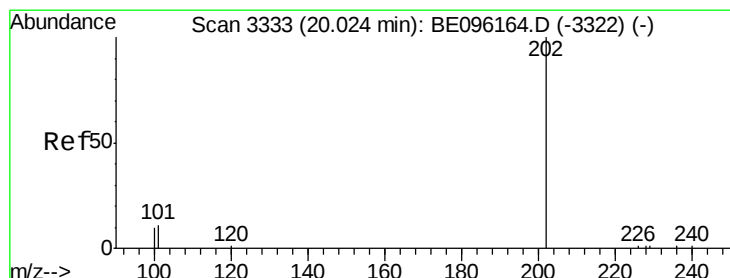
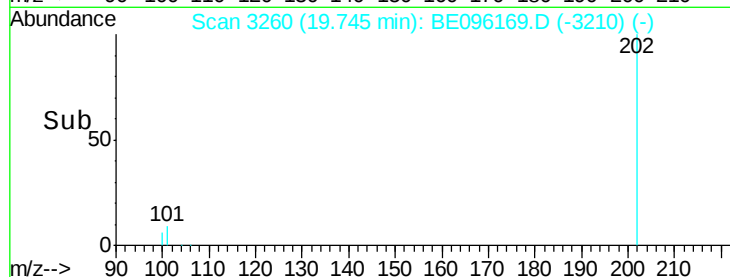
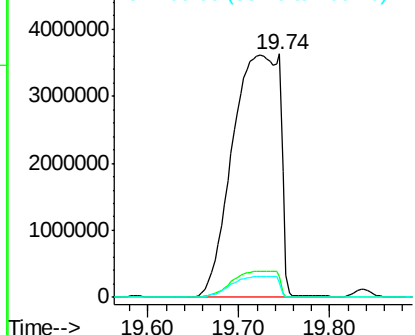
#15
 Fluoranthene
 Concen: 581.533 ng/ul
 RT: 19.74 min Scan# 3260
 Delta R.T. 0.08 min
 Lab File: BE096169.D
 Acq: 26 Apr 2018 3:56

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp:13132580
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.3
 100 6.0 0.0 39.5

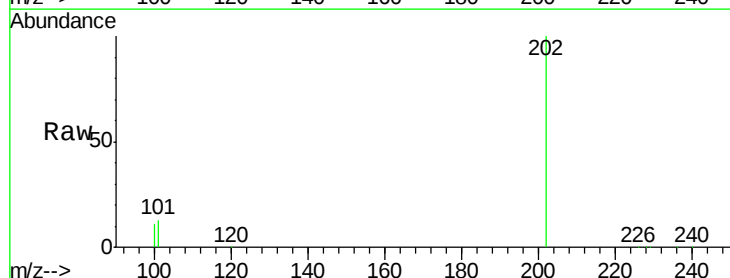


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): BE

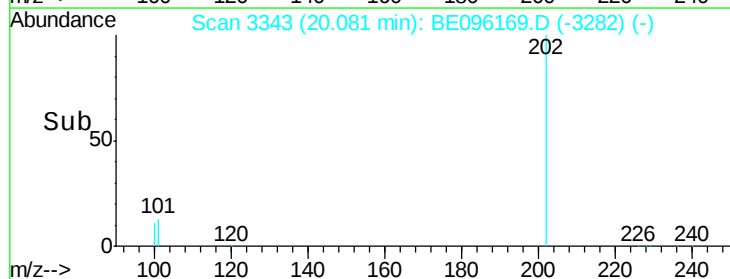
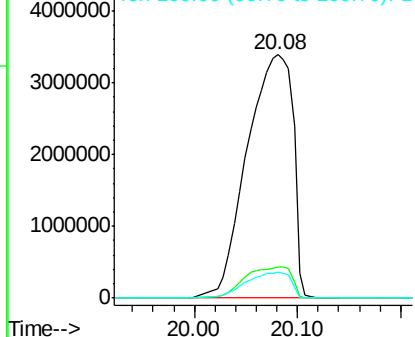


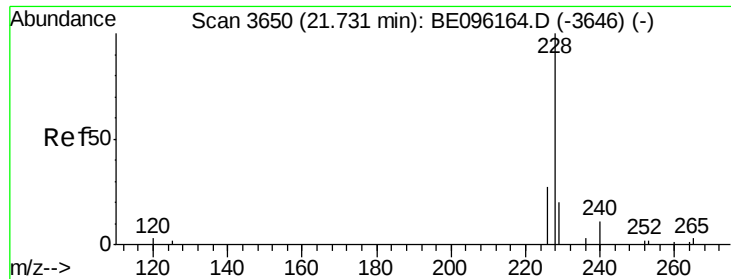
#17
 Pyrene
 Concen: 1791.041 ng/ul
 RT: 20.08 min Scan# 3343
 Delta R.T. 0.06 min
 Lab File: BE096169.D
 Acq: 26 Apr 2018 3:56

Tgt Ion:202 Resp:11774623
 Ion Ratio Lower Upper
 202 100
 101 12.6 18.2 27.4#
 100 10.5 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: 250.235 ng/ul

RT: 21.83 min Scan# 3663

Delta R.T. 0.10 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampleId :

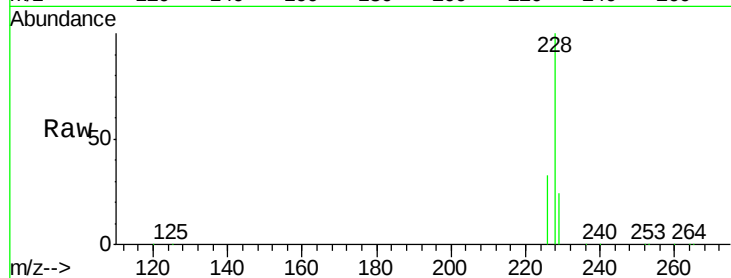
Tot Ion:228 Resp: 2482614

Ion Ratio Lower Upper

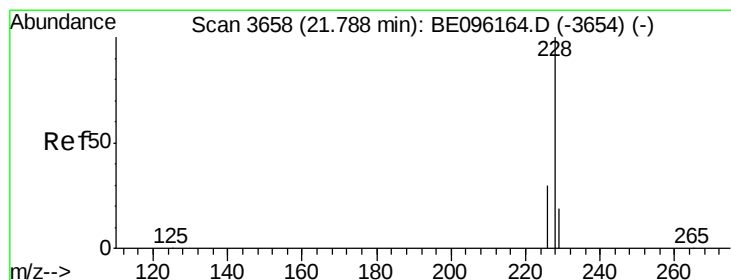
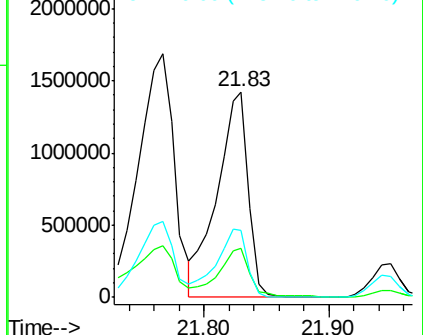
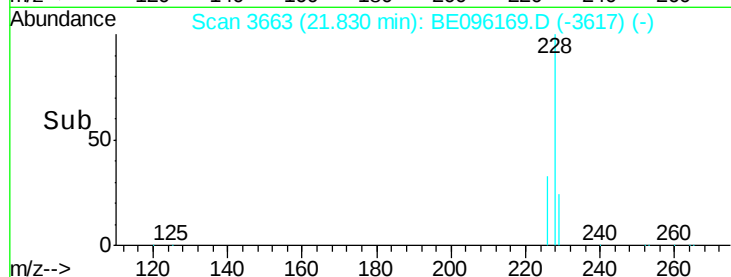
228 100

229 23.8 22.8 34.2

226 32.8 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: 272.319 ng/ul

RT: 21.83 min Scan# 3663

Delta R.T. 0.04 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

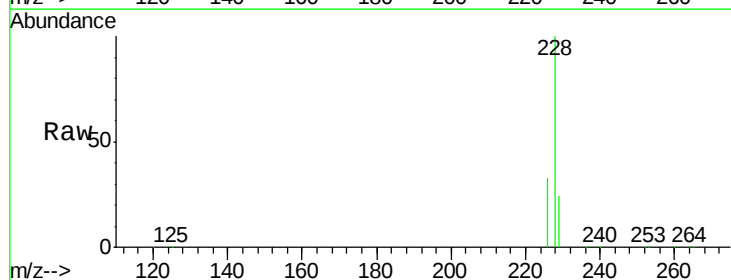
Tgt Ion:228 Resp: 2482614

Ion Ratio Lower Upper

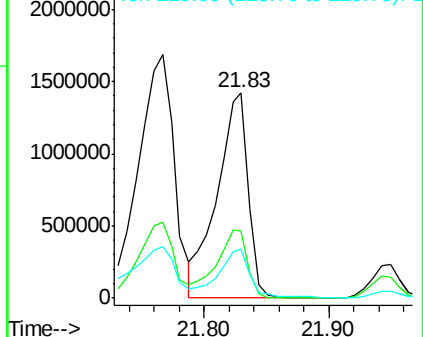
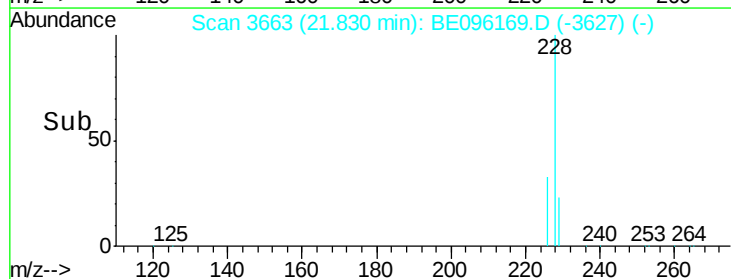
228 100

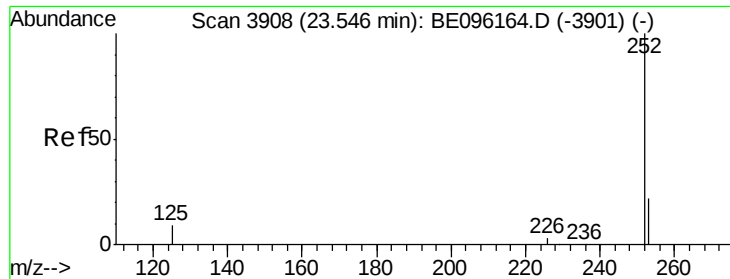
226 32.8 23.4 35.0

229 23.8 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

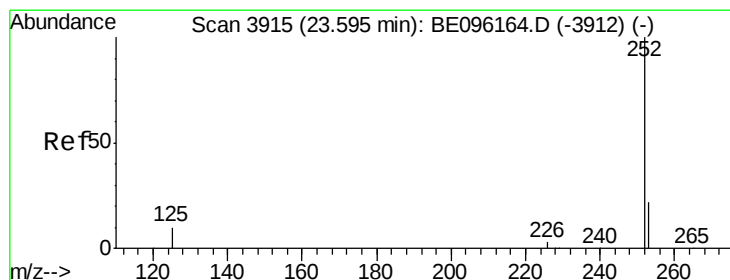
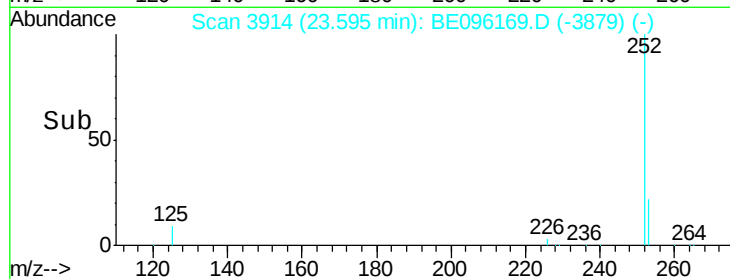
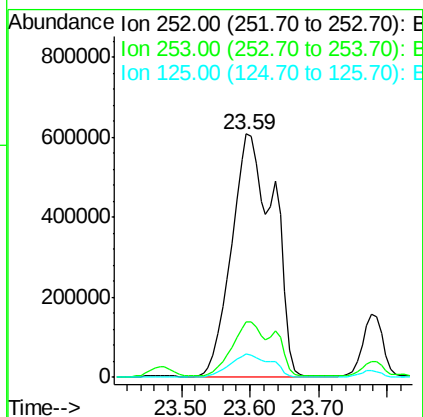
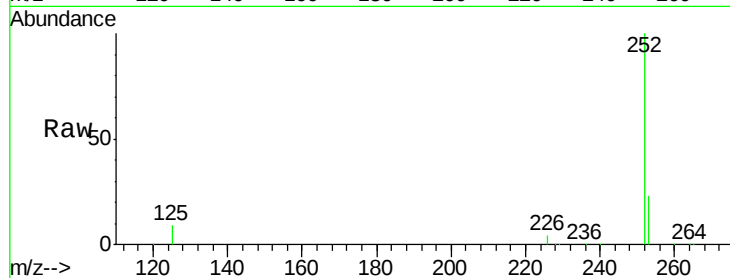




#21
Benzo(b)fluoranthene
Concen: 227.313 ng/ul
RT: 23.59 min Scan# 3914
Delta R.T. 0.05 min
Lab File: BE096169.D
Acq: 26 Apr 2018 3:56

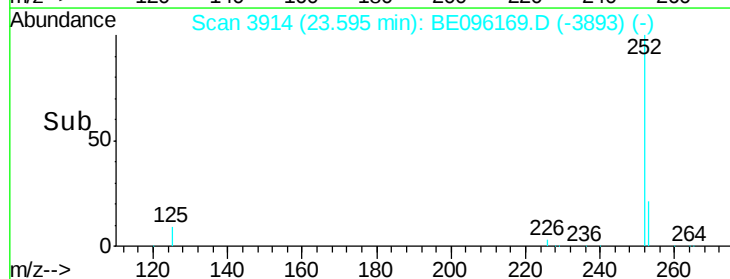
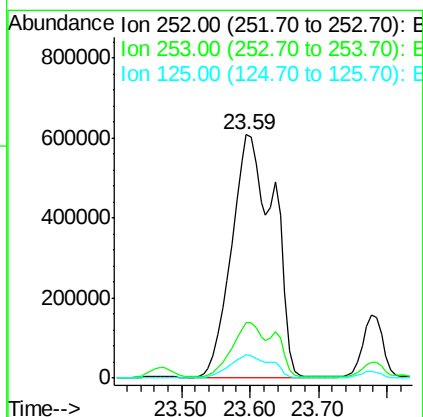
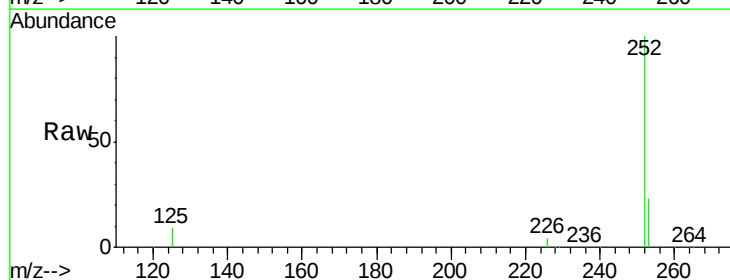
Instrument :
BNA_E
ClientSampleId :

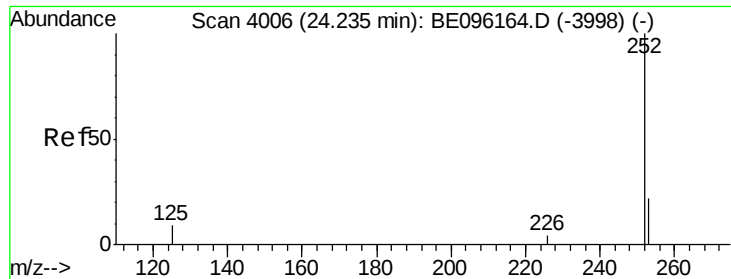
Tot Ion:252 Resp: 2601104
Ion Ratio Lower Upper
252 100
253 22.7 0.0 64.2
125 9.4 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 237.782 ng/ul
RT: 23.59 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BE096169.D
Acq: 26 Apr 2018 3:56

Tgt Ion:252 Resp: 2601104
Ion Ratio Lower Upper
252 100
253 22.7 24.5 36.7#
125 9.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 128.282 ng/ul

RT: 24.29 min Scan# 4013

Delta R.T. 0.06 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

Instrument :

BNA_E

ClientSampleId :

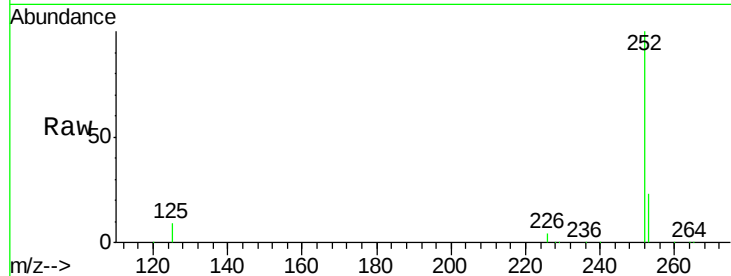
Tot Ion:252 Resp: 1275263

Ion Ratio Lower Upper

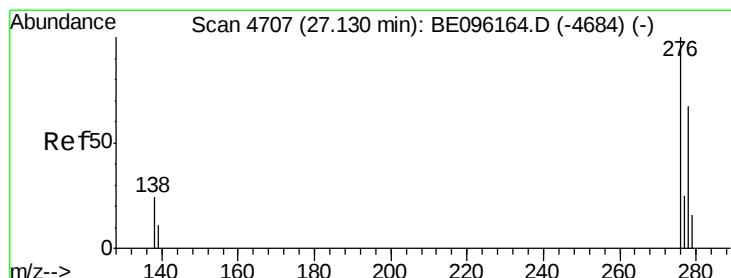
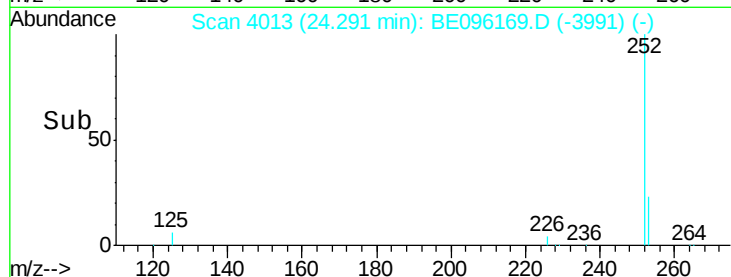
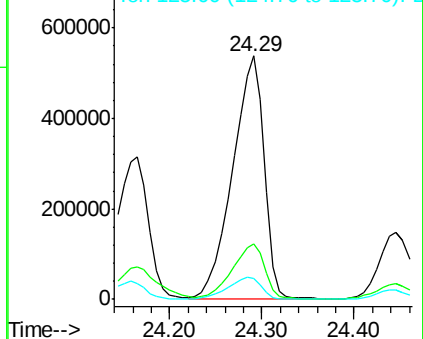
252 100

253 22.9 28.5 42.7#

125 8.8 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: 34.684 ng/ul

RT: 27.18 min Scan# 4721

Delta R.T. 0.05 min

Lab File: BE096169.D

Acq: 26 Apr 2018 3:56

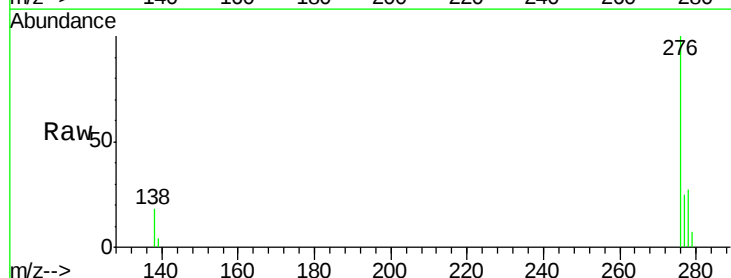
Tgt Ion:276 Resp: 464584

Ion Ratio Lower Upper

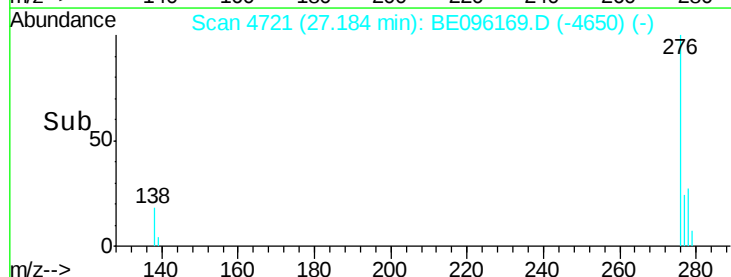
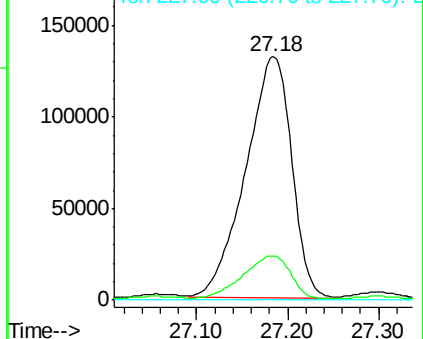
276 100

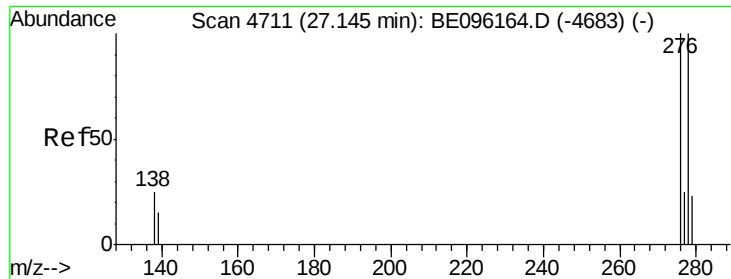
138 18.5 28.0 42.0#

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



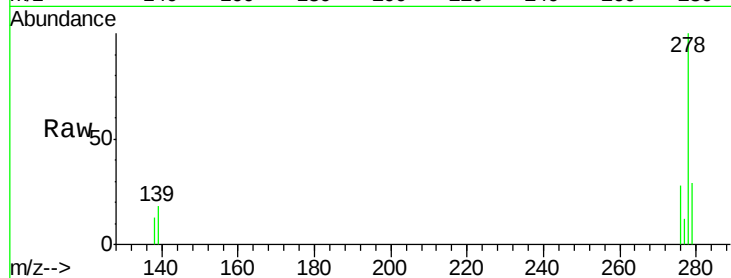


#25
Dibenzo(a,h)anthracene
Concen: 4.079 ng/ul
RT: 27.30 min Scan# 4754
Delta R.T. 0.16 min
Lab File: BE096169.D
Acq: 26 Apr 2018 3:56

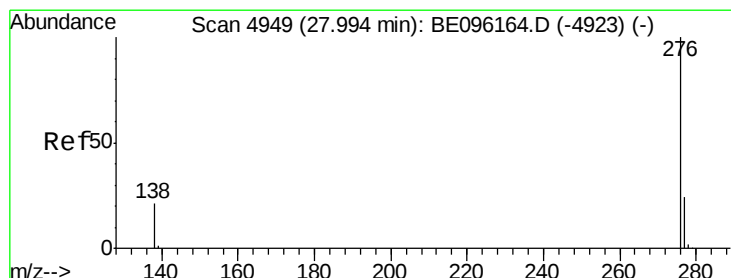
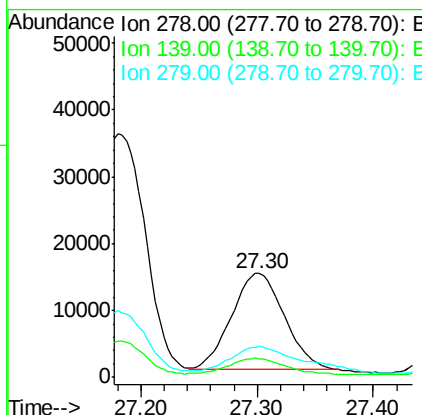
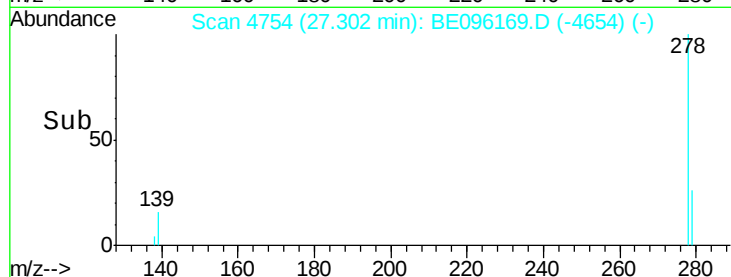
Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 45743

Ion	Ratio	Lower	Upper
278	100		
139	17.7	17.4	26.0
279	29.5	25.9	38.9



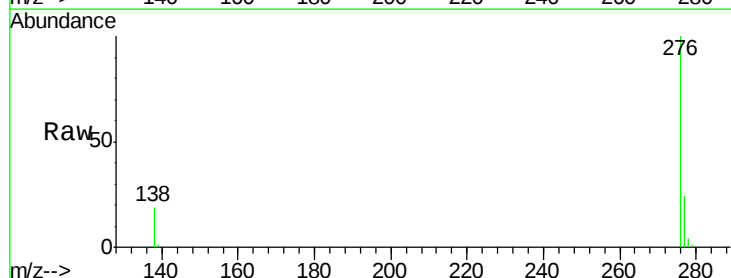
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 32.380 ng/ul
RT: 28.05 min Scan# 4965
Delta R.T. 0.06 min
Lab File: BE096169.D
Acq: 26 Apr 2018 3:56

Tgt Ion:276 Resp: 377529

Ion	Ratio	Lower	Upper
276	100		
138	19.0	21.8	32.8#
277	24.2	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

