

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096171.D
 Acq On : 26 Apr 2018 6:28
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 07:14:07 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

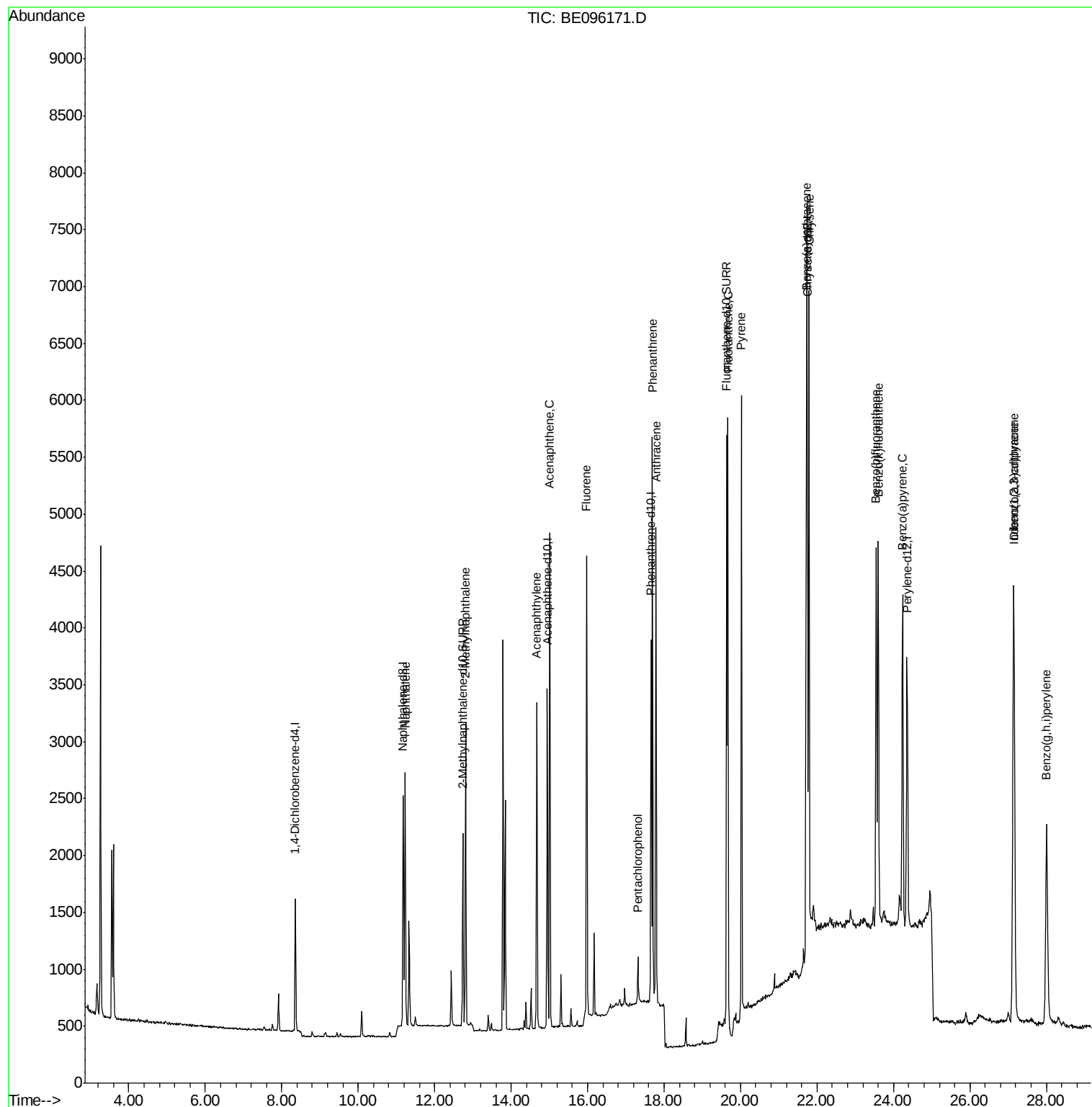
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	622	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2719	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1612	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	3623	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	4693	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	3706	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	2073	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	5594	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	3014	0.398	ng/ul#	90
5) 2-Methylnaphthalene	12.81	142	2107	0.415	ng/ul	96
7) Acenaphthylene	14.67	152	3352	0.403	ng/ul	98
8) Acenaphthene	15.01	153	2521	0.421	ng/ul	92
9) Fluorene	15.98	166	3225	0.407	ng/ul	93
11) Pentachlorophenol	17.32	266	232	0.266	ng/ul	92
12) Phenanthrene	17.70	178	5175	0.485	ng/ul#	89
13) Anthracene	17.79	178	4439	0.415	ng/ul#	92
15) Fluoranthene	19.67	202	6232	0.382	ng/ul	85
17) Pyrene	20.02	202	4130	0.439	ng/ul#	80
18) Benzo(a)anthracene	21.73	228	4438	0.312	ng/ul#	86
19) Chrysene	21.79	228	5116	0.392	ng/ul	96
21) Benzo(b)fluoranthene	23.55	252	5156	0.367	ng/ul	91
22) Benzo(k)fluoranthene	23.60	252	4879	0.364	ng/ul	92
23) Benzo(a)pyrene	24.24	252	4705	0.386	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	27.14	276	5323	0.324	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.15	278	4327	0.315	ng/ul	95
26) Benzo(g,h,i)perylene	28.01	276	4487	0.314	ng/ul	97

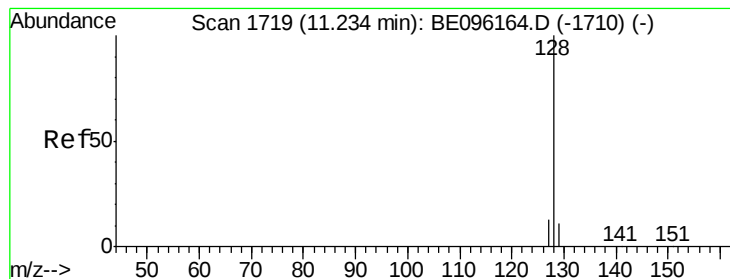
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 11.23 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

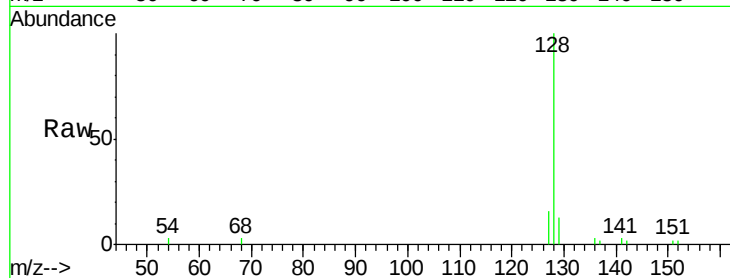
Tot Ion:128 Resp: 3014

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

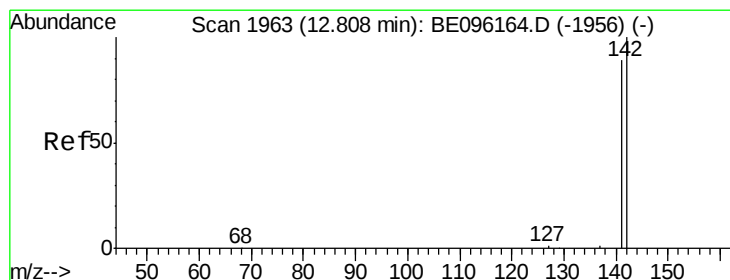
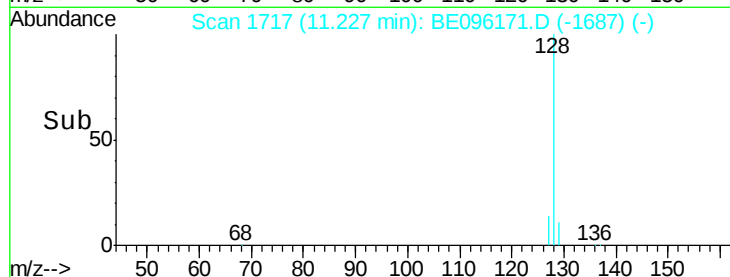
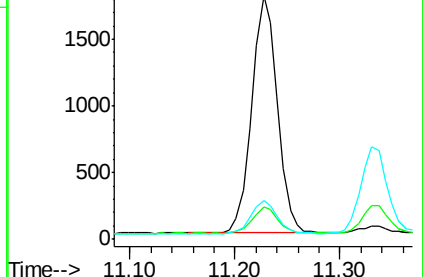
127 15.7 4.0 6.0#



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: 0.415 ng/ul

RT: 12.81 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE096171.D

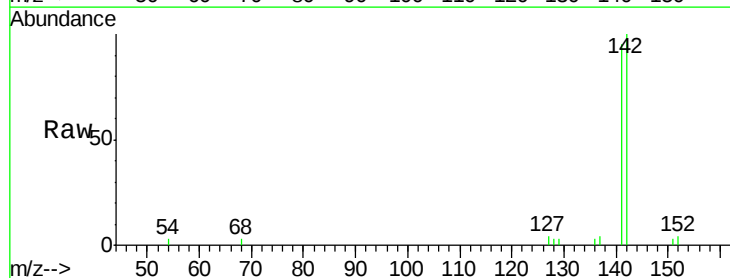
Acq: 26 Apr 2018 6:28

Tgt Ion:142 Resp: 2107

Ion Ratio Lower Upper

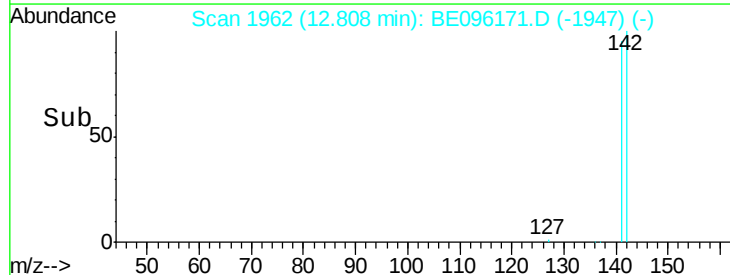
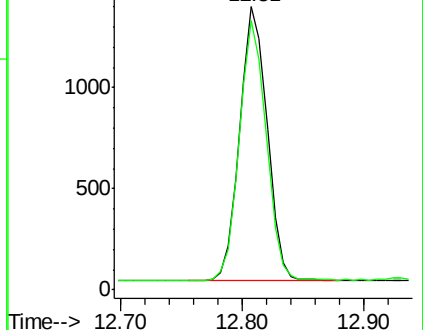
142 100

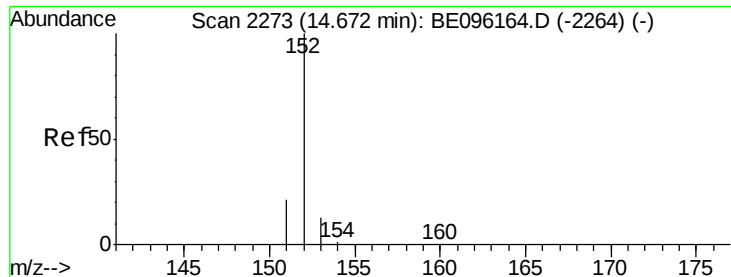
141 94.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.403 ng/ul

RT: 14.67 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

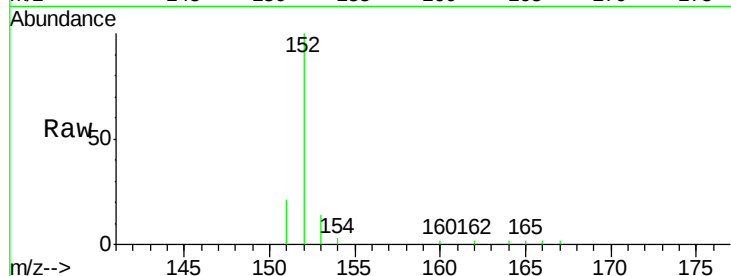
Tot Ion:152 Resp: 3352

Ion Ratio Lower Upper

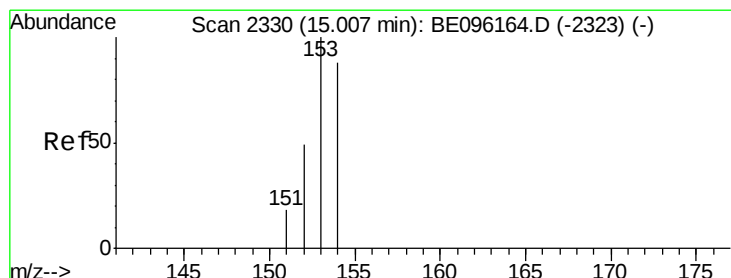
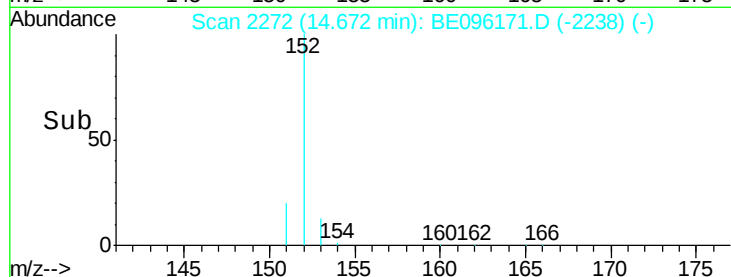
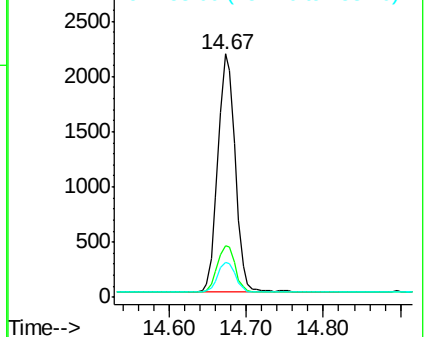
152 100

151 21.3 17.1 25.7

153 14.5 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: 0.421 ng/ul

RT: 15.01 min Scan# 2329

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

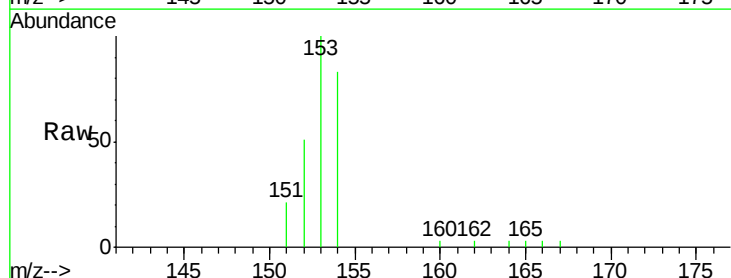
Tgt Ion:153 Resp: 2521

Ion Ratio Lower Upper

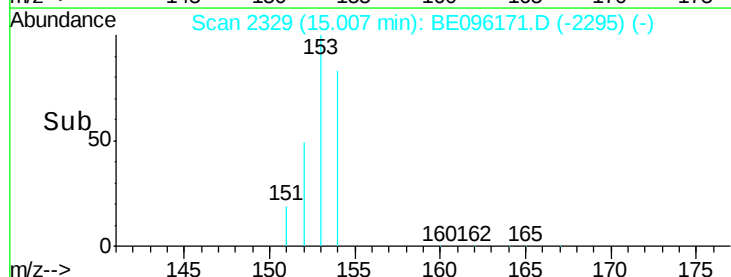
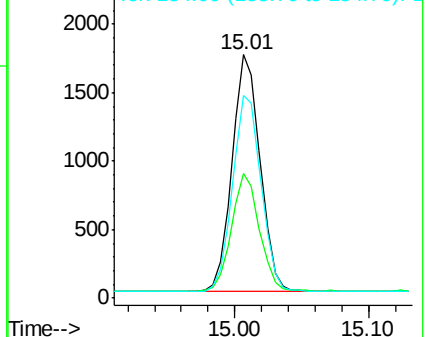
153 100

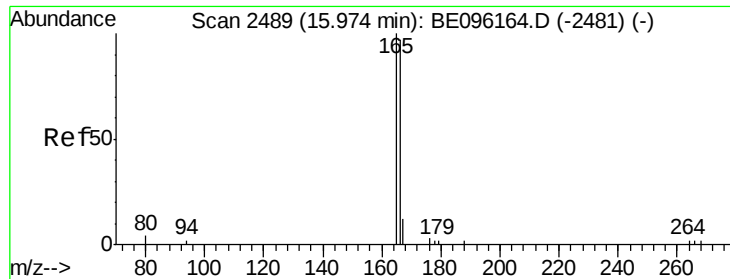
152 51.2 36.0 54.0

154 83.2 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: 0.407 ng/ul

RT: 15.98 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

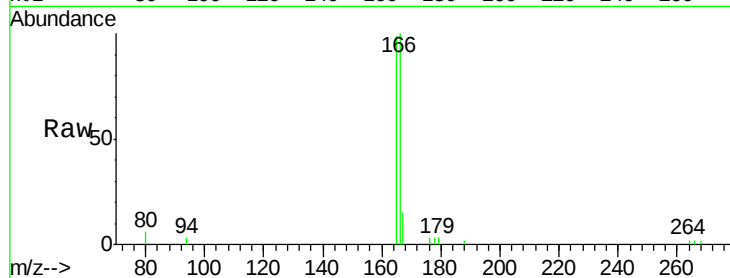
Tot Ion:166 Resp: 3225

Ion Ratio Lower Upper

166 100

165 98.8 73.4 110.2

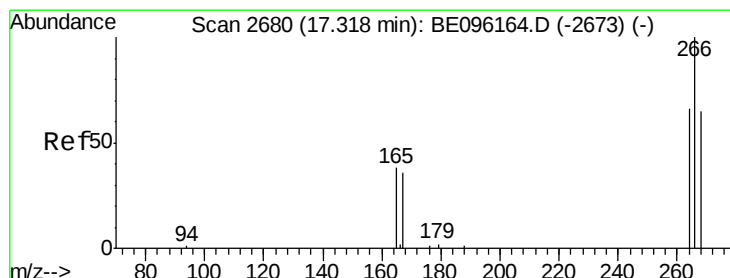
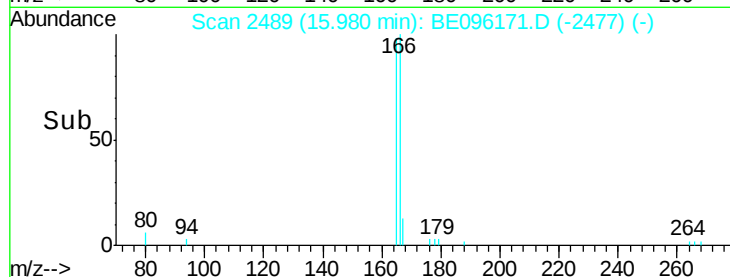
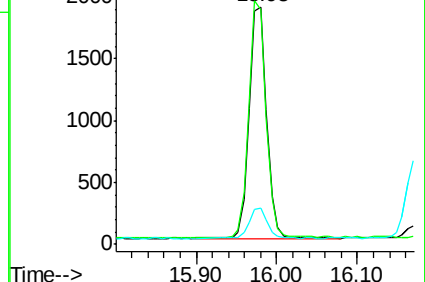
167 15.4 14.6 22.0



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: 0.266 ng/ul

RT: 17.32 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

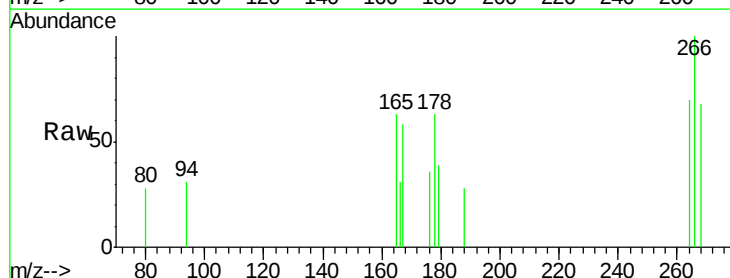
Tgt Ion:266 Resp: 232

Ion Ratio Lower Upper

266 100

264 65.9 47.9 71.9

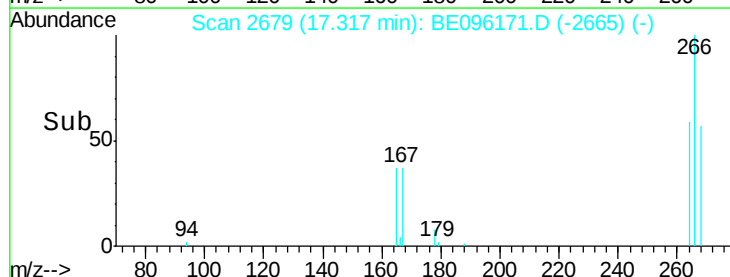
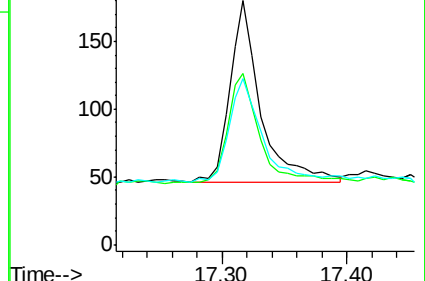
268 69.0 49.8 74.8

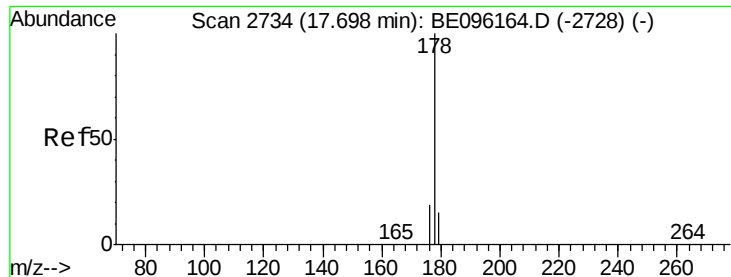


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.485 ng/ul

RT: 17.70 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

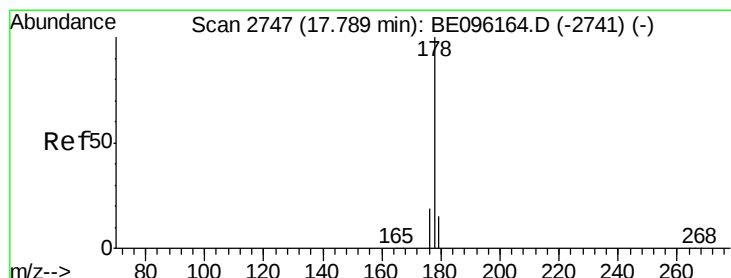
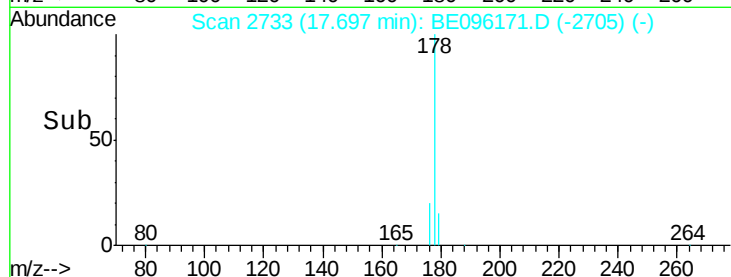
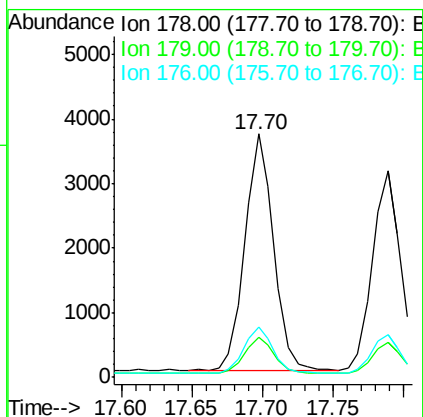
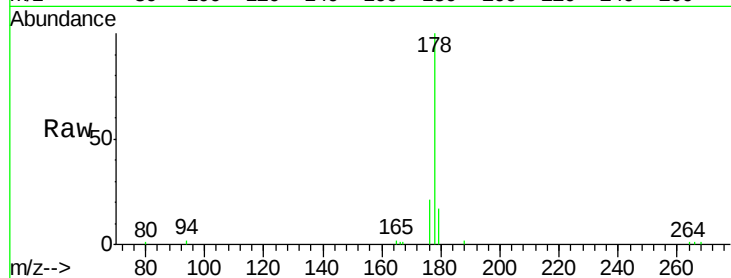
Tot Ion:178 Resp: 5175

Ion Ratio Lower Upper

178 100

179 16.7 18.4 27.6#

176 20.8 13.6 20.4#



#13

Anthracene

Concen: 0.415 ng/ul

RT: 17.79 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

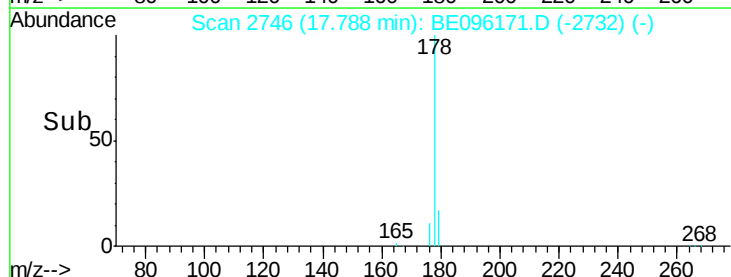
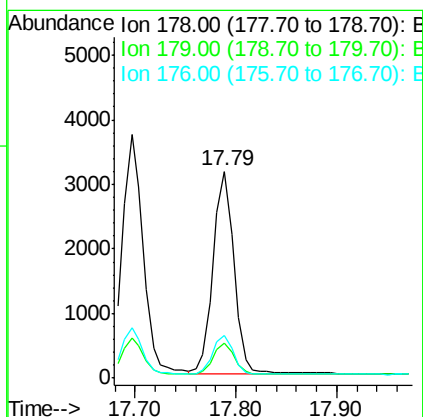
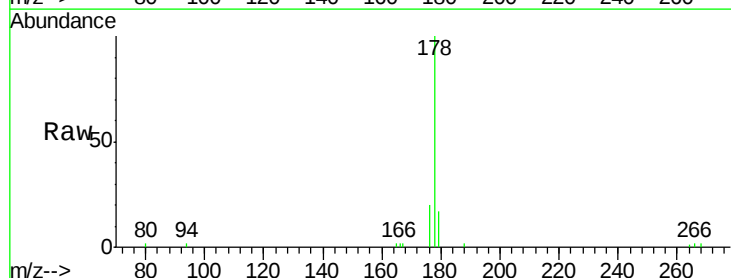
Tgt Ion:178 Resp: 4439

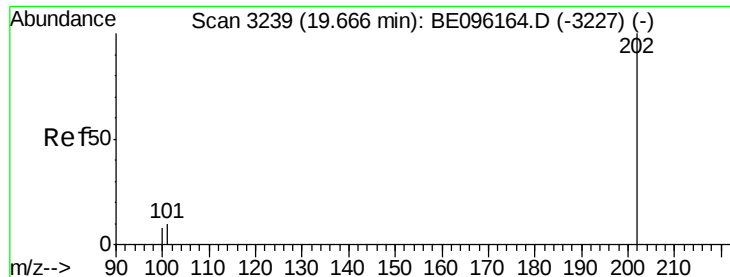
Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 0.382 ng/ul

RT: 19.67 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

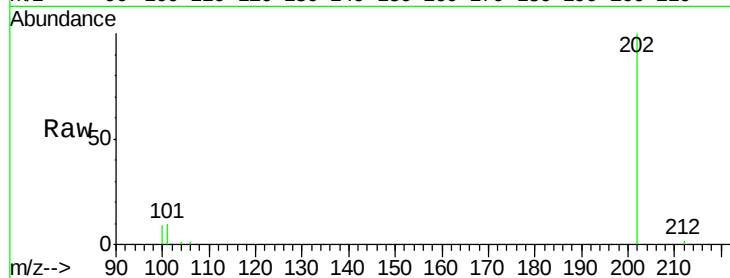
Tot Ion:202 Resp: 6232

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

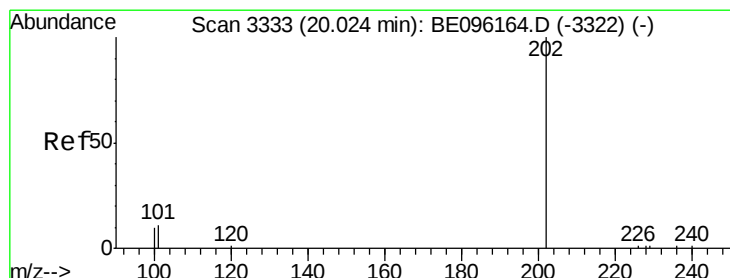
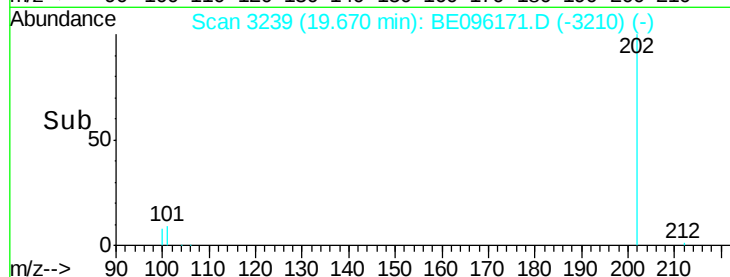
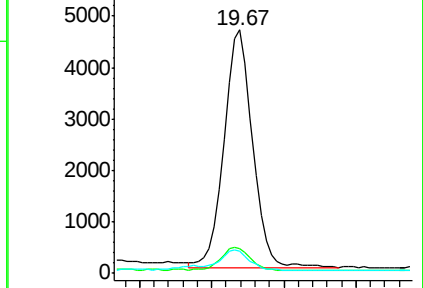
100 9.0 0.0 39.5



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: 0.439 ng/ul

RT: 20.02 min Scan# 3332

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

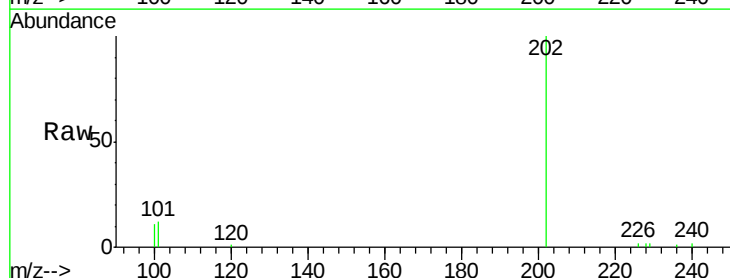
Tgt Ion:202 Resp: 4130

Ion Ratio Lower Upper

202 100

101 12.3 18.2 27.4#

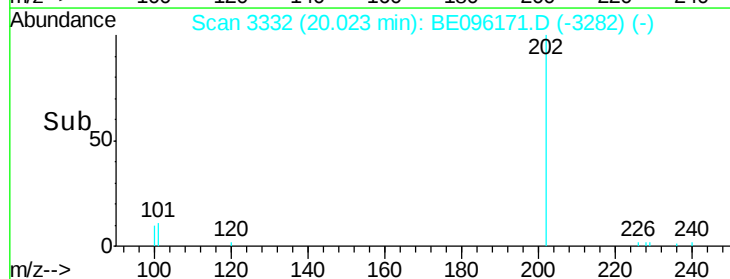
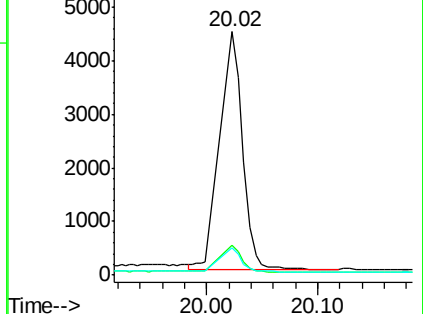
100 11.5 15.6 23.4#

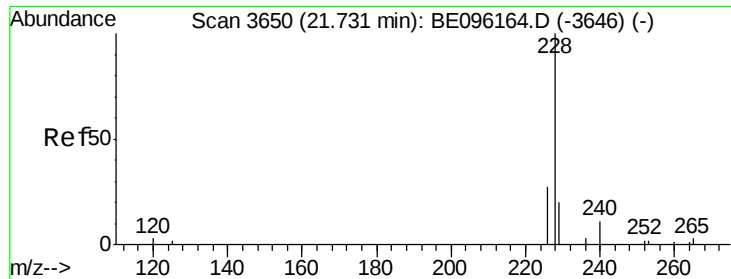


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.312 ng/ul

RT: 21.73 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

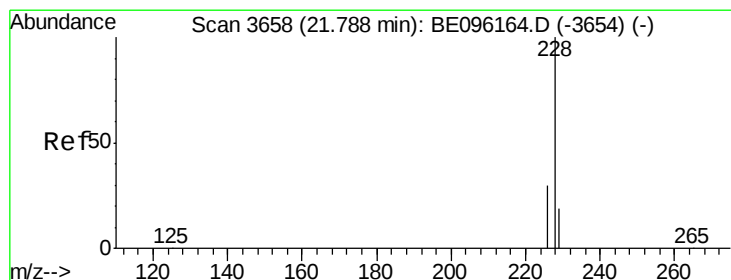
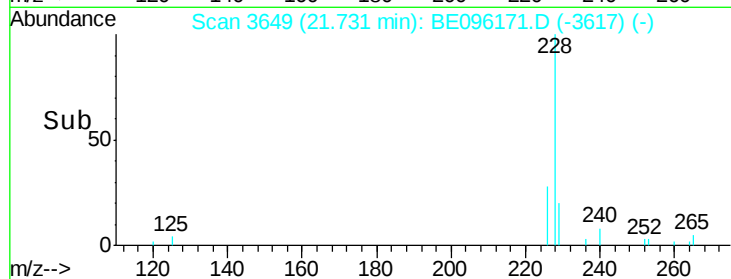
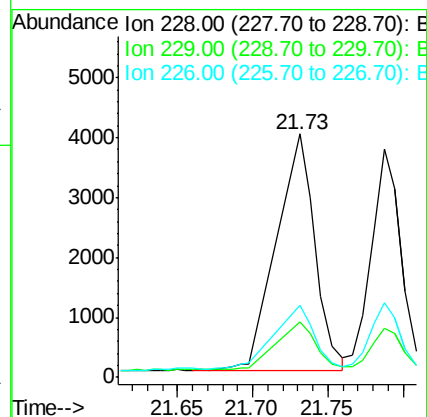
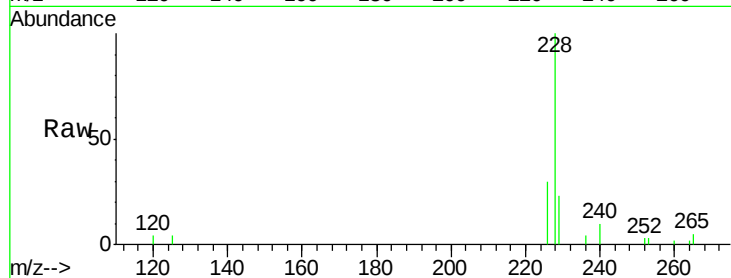
Tot Ion:228 Resp: 4438

Ion Ratio Lower Upper

228 100

229 22.7 22.8 34.2#

226 29.7 17.0 25.6#



#19

Chrysene

Concen: 0.392 ng/ul

RT: 21.79 min Scan# 3657

Delta R.T. -0.00 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

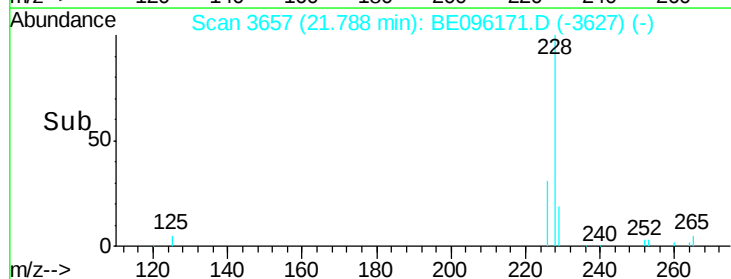
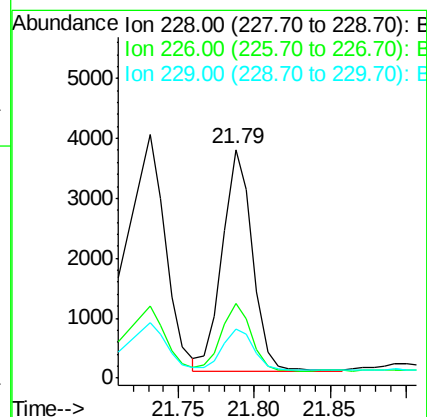
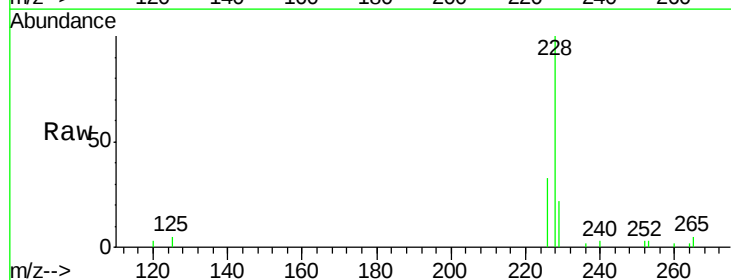
Tgt Ion:228 Resp: 5116

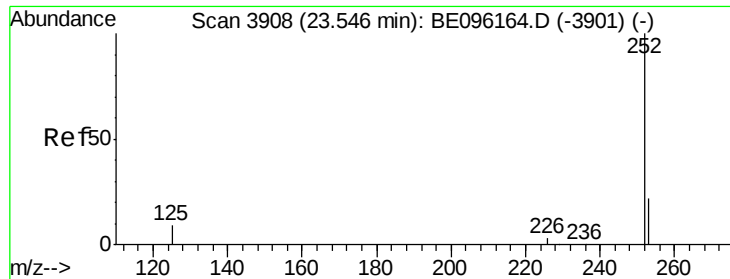
Ion Ratio Lower Upper

228 100

226 32.9 23.4 35.0

229 21.7 17.7 26.5

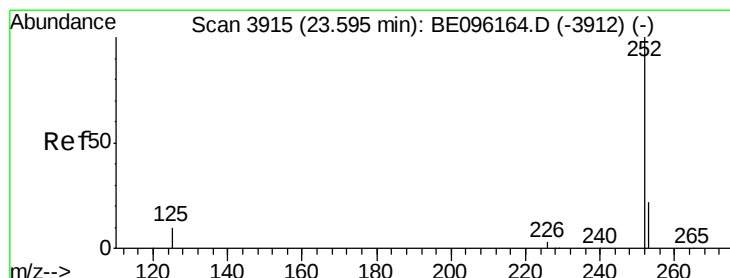
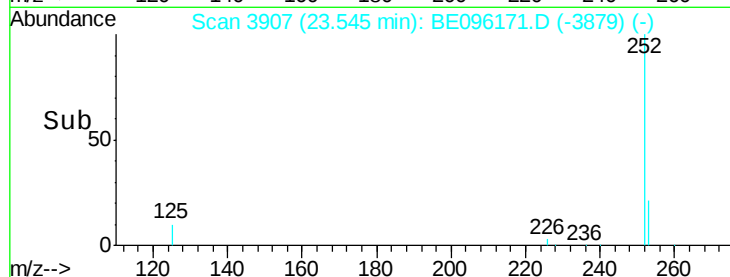
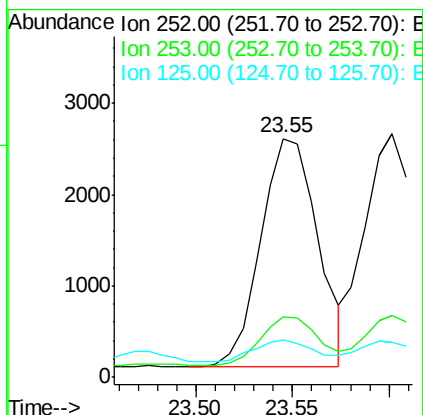
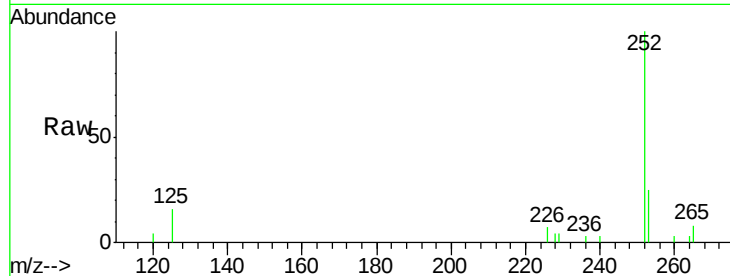




#21
Benzo(b)fluoranthene
Concen: 0.367 ng/ul
RT: 23.55 min Scan# 3907
Delta R.T. -0.00 min
Lab File: BE096171.D
Acq: 26 Apr 2018 6:28

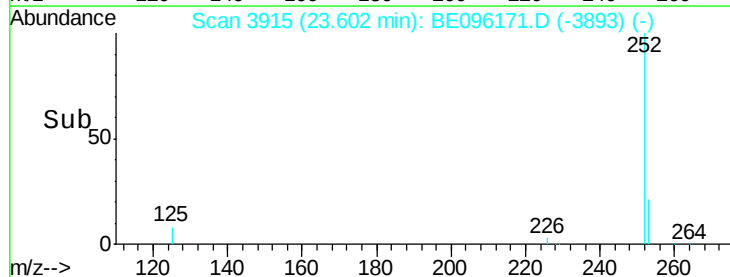
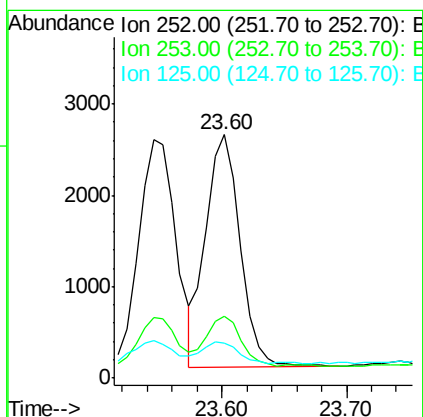
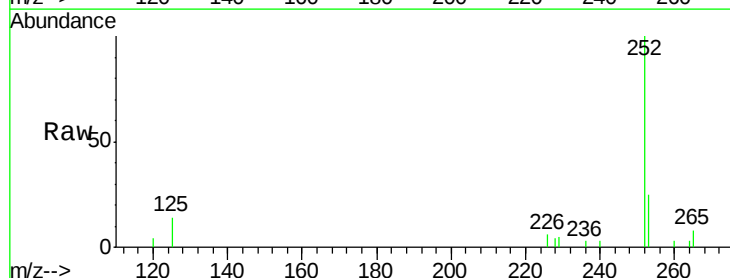
Instrument :
BNA_E
ClientSampleId :

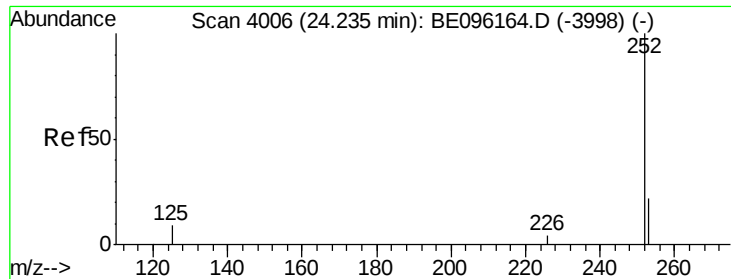
Tot Ion:252 Resp: 5156
Ion Ratio Lower Upper
252 100
253 25.3 0.0 64.2
125 15.5 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.364 ng/ul
RT: 23.60 min Scan# 3915
Delta R.T. 0.01 min
Lab File: BE096171.D
Acq: 26 Apr 2018 6:28

Tgt Ion:252 Resp: 4879
Ion Ratio Lower Upper
252 100
253 25.4 24.5 36.7
125 14.2 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.386 ng/ul

RT: 24.24 min Scan# 4006

Delta R.T. 0.01 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

Instrument :

BNA_E

ClientSampleId :

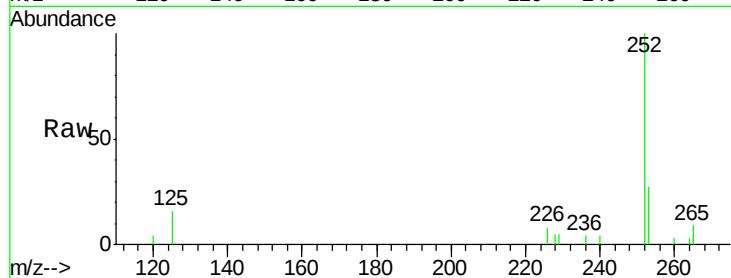
Tot Ion:252 Resp: 4705

Ion Ratio Lower Upper

252 100

253 26.8 28.5 42.7#

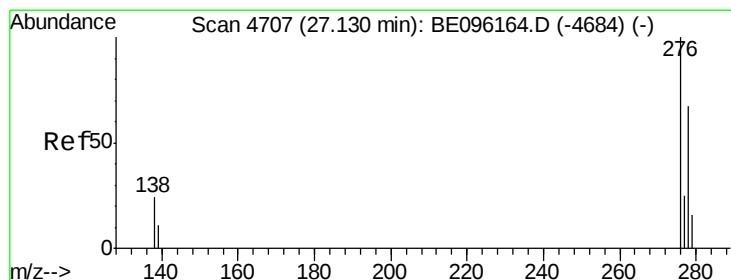
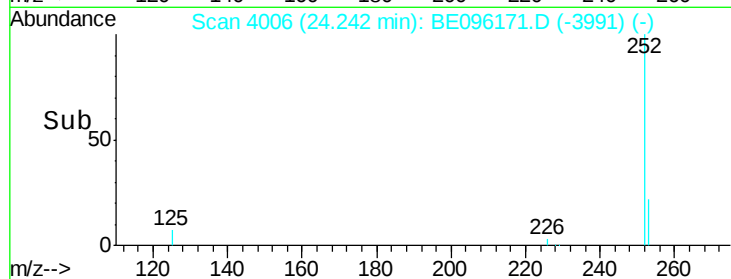
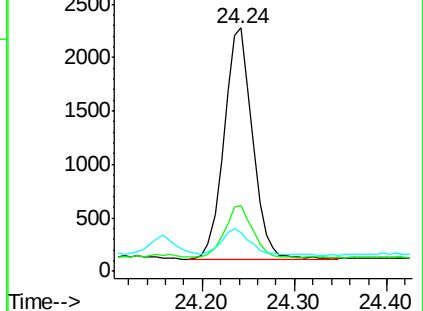
125 15.9 18.1 27.1#



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: 0.324 ng/ul

RT: 27.14 min Scan# 4708

Delta R.T. 0.01 min

Lab File: BE096171.D

Acq: 26 Apr 2018 6:28

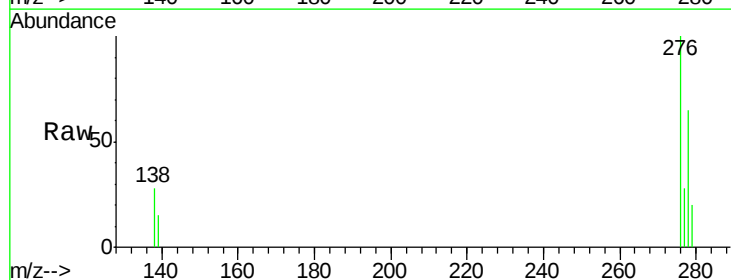
Tgt Ion:276 Resp: 5323

Ion Ratio Lower Upper

276 100

138 23.3 28.0 42.0#

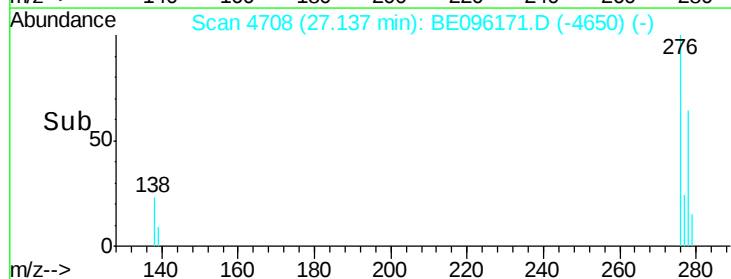
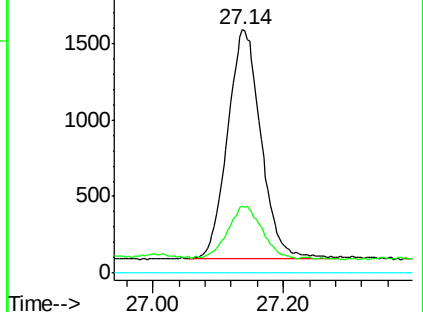
227 0.0 8.0 12.0#

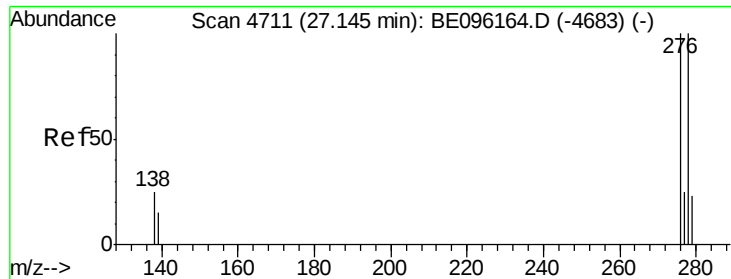


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



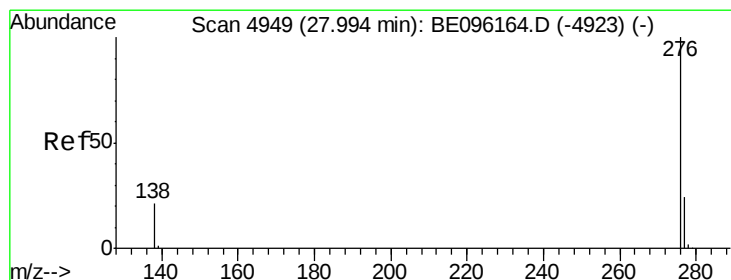
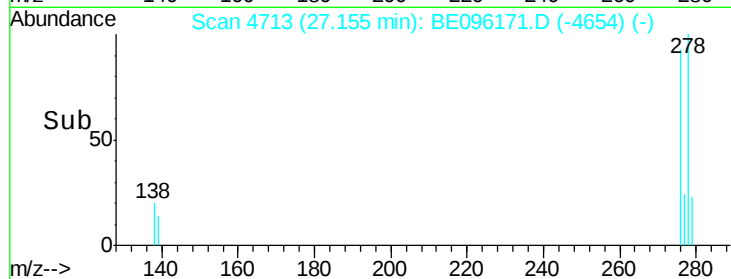
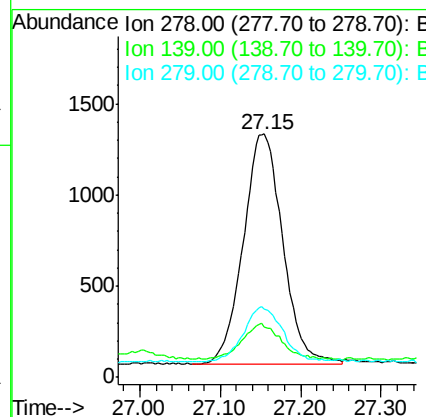
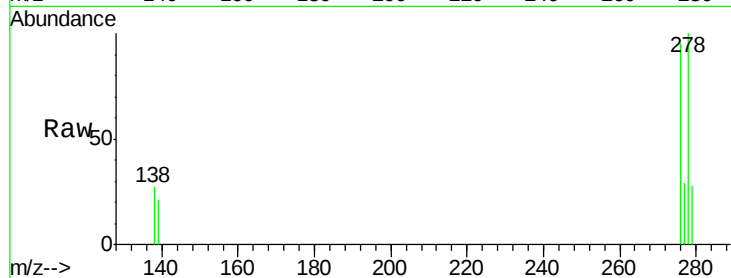


#25
Dibenzo(a,h)anthracene
Concen: 0.315 ng/ul
RT: 27.15 min Scan# 4713
Delta R.T. 0.01 min
Lab File: BE096171.D
Acq: 26 Apr 2018 6:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 4327

Ion	Ratio	Lower	Upper
278	100		
139	20.7	17.4	26.0
279	28.3	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.314 ng/ul
RT: 28.01 min Scan# 4952
Delta R.T. 0.01 min
Lab File: BE096171.D
Acq: 26 Apr 2018 6:28

Tgt Ion:276 Resp: 4487

Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.8	32.8
277	27.5	20.5	30.7

