

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072419\
 Data File : BN006974.D
 Acq On : 24 Jul 2019 12:00
 Operator : HP/JU
 Sample : K3764-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A52T1

Quant Time: Jul 24 12:44:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 23 04:26:14 2019
 Response via : Initial Calibration

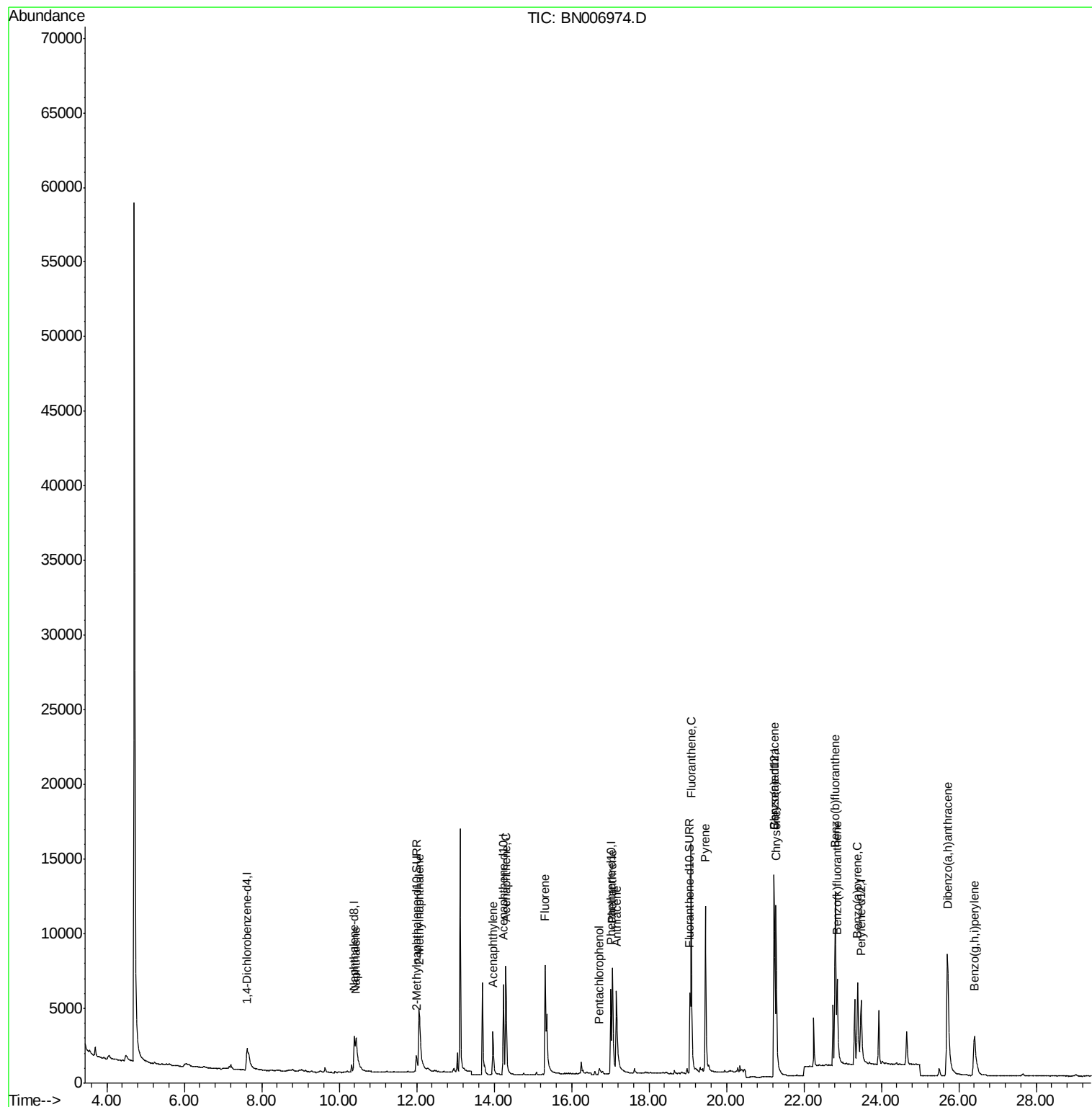
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1977	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6909	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.24	164	3923	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	8643	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	7051	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	7383	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	2987	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	7721	0.31	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	5252	0.265	ng/ul#	92
5) 2-Methylnaphthalene	12.07	142	6868	0.512	ng/ul	100
7) Acenaphthylene	13.97	152	4487	0.222	ng/ul	97
8) Acenaphthene	14.31	153	5268	0.338	ng/ul	98
9) Fluorene	15.32	166	7916	0.463	ng/ul	98
11) Pentachlorophenol	16.71	266	845	0.657	ng/ul	94
12) Phenanthrene	17.06	178	10043	0.361	ng/ul	98
13) Anthracene	17.16	178	9703	0.404	ng/ul	99
15) Fluoranthene	19.09	202	12313	0.358	ng/ul#	31
17) Pyrene	19.46	202	12759	0.396	ng/ul	99
18) Benzo(a)anthracene	21.23	228	11787	0.407	ng/ul	99
19) Chrysene	21.28	228	15388	0.476	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	16699	0.552	ng/ul	99
22) Benzo(k)fluoranthene	22.86	252	9789	0.309	ng/ul	95
23) Benzo(a)pyrene	23.39	252	10856	0.366	ng/ul	94
25) Dibenzo(a,h)anthracene	25.71	278	17400	0.729	ng/ul	97
26) Benzo(a,h,i)perylene	26.40	276	7909	0.315	ng/ul	98

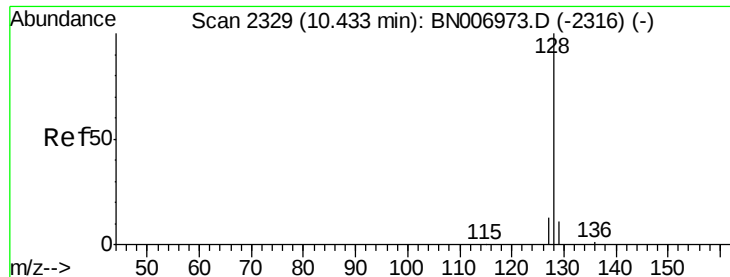
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.265 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.02 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

ClientSampleId :

A52T1

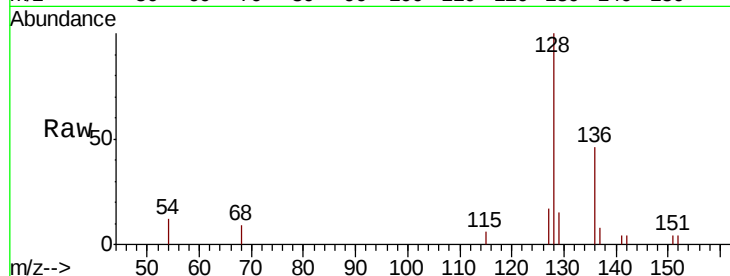
Tot Ion:128 Resp: 5252

Ion Ratio Lower Upper

128 100

129 14.7 9.4 14.0#

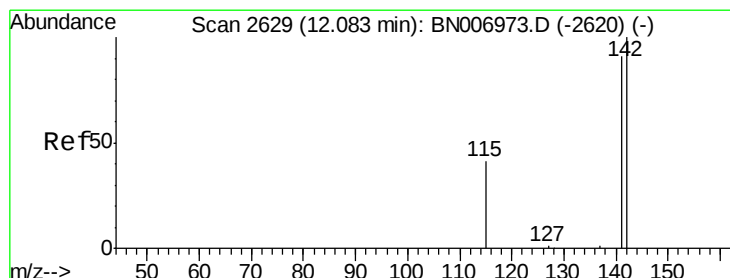
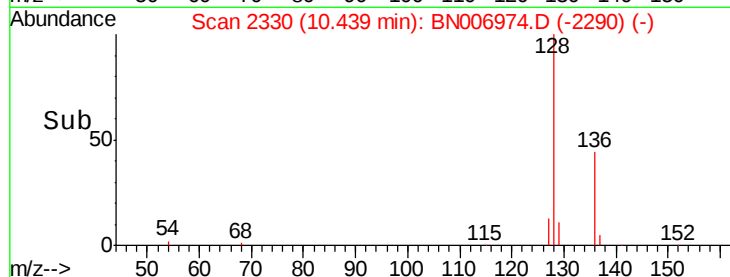
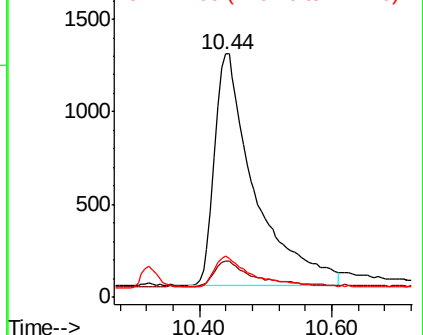
127 16.8 10.6 16.0#



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: 0.512 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BN006974.D

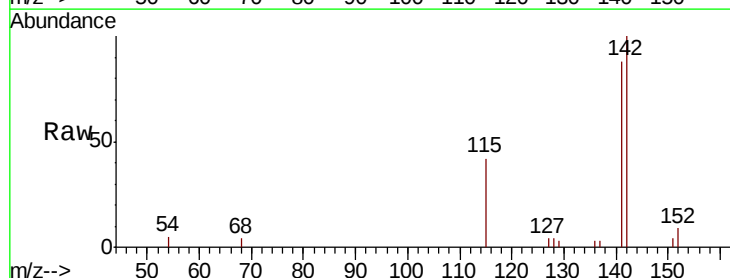
Acq: 24 Jul 2019 12:00

Tgt Ion:142 Resp: 6868

Ion Ratio Lower Upper

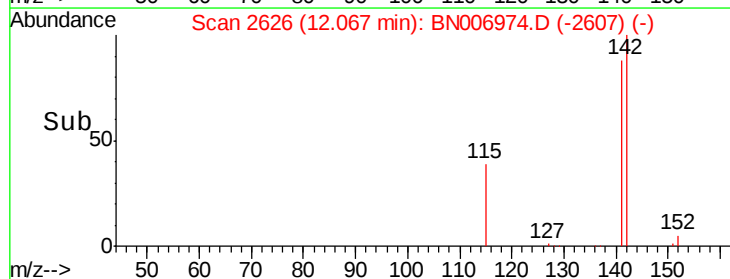
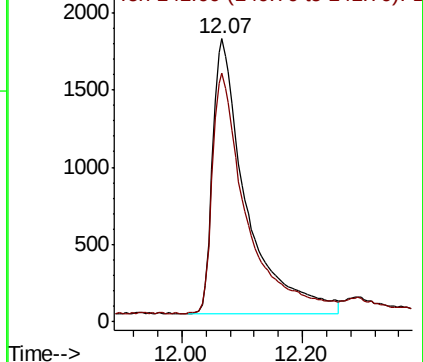
142 100

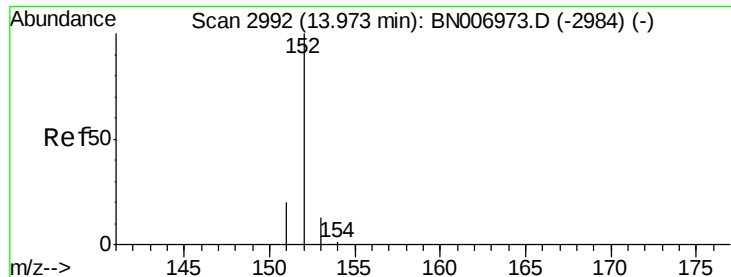
141 89.3 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.222 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

ClientSampleId :

A52T1

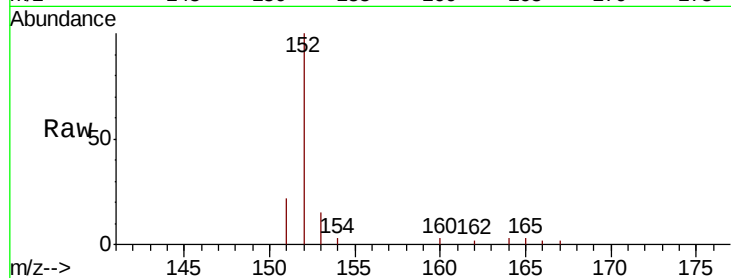
Tot Ion:152 Resp: 4487

Ion Ratio Lower Upper

152 100

151 21.5 16.1 24.1

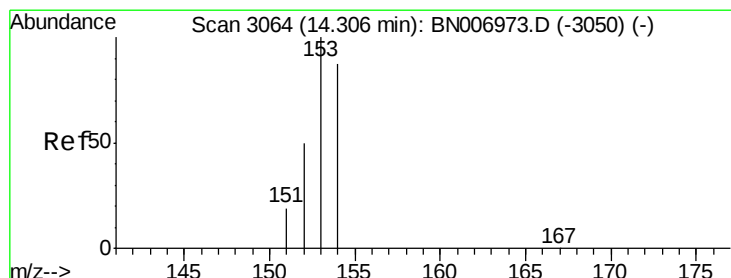
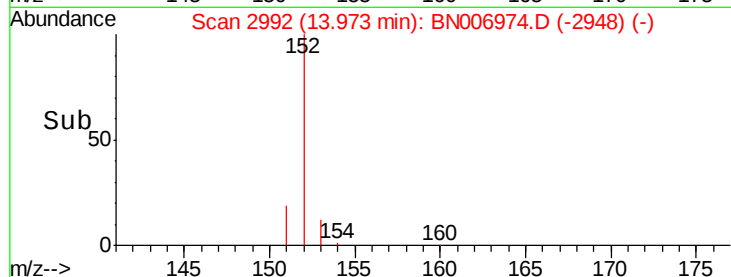
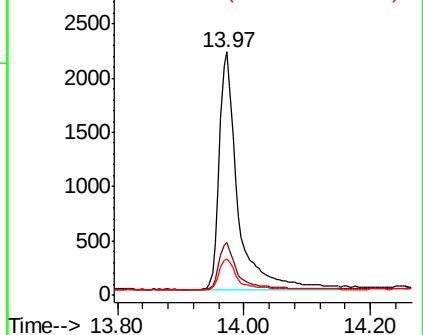
153 14.9 11.2 16.8



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: 0.338 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

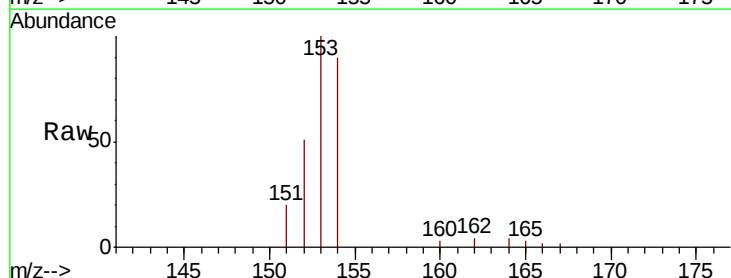
Tgt Ion:153 Resp: 5268

Ion Ratio Lower Upper

153 100

152 51.1 39.3 58.9

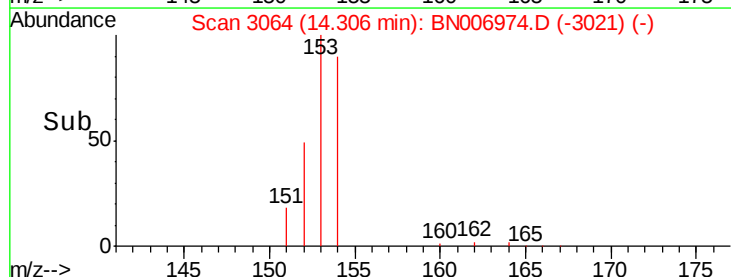
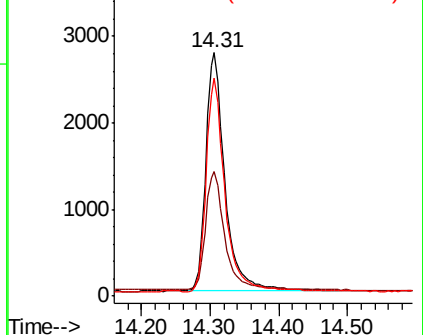
154 89.7 70.6 105.8

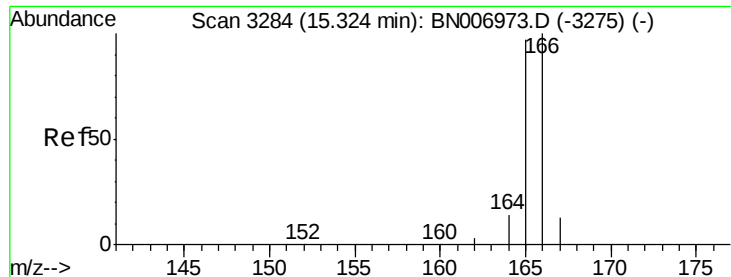


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.463 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. 0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

ClientSampleId :

A52T1

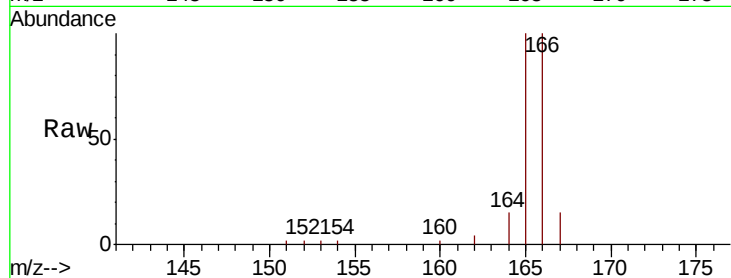
Tot Ion:166 Resp: 7916

Ion Ratio Lower Upper

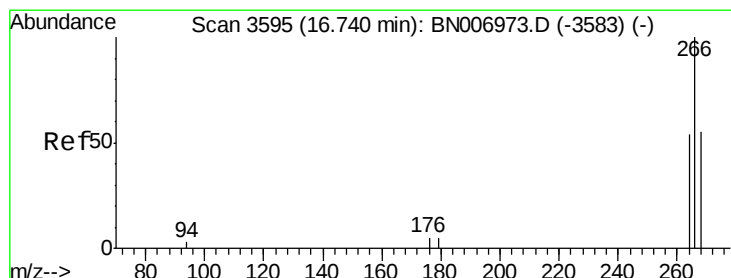
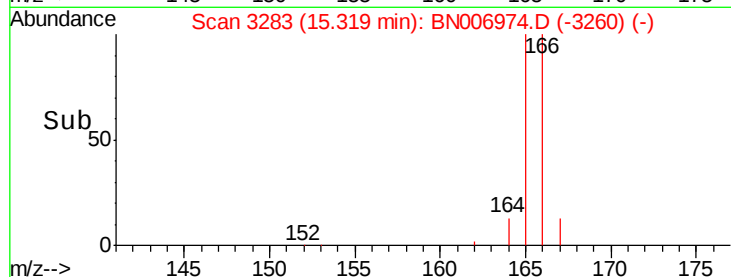
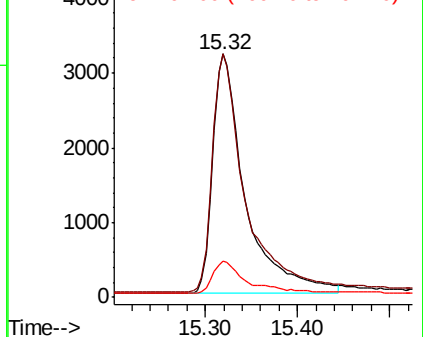
166 100

165 100.0 78.2 117.4

167 14.9 11.3 16.9



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: 0.657 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.02 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

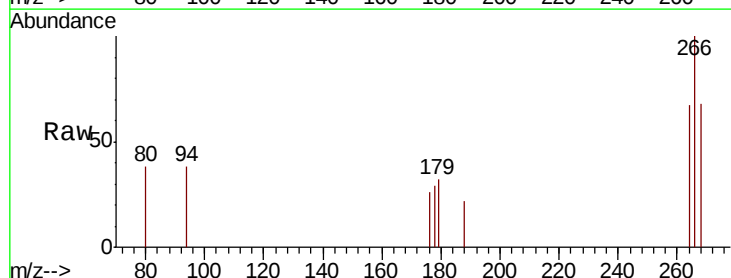
Tgt Ion:266 Resp: 845

Ion Ratio Lower Upper

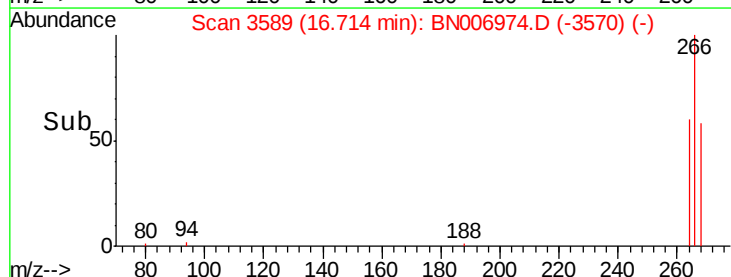
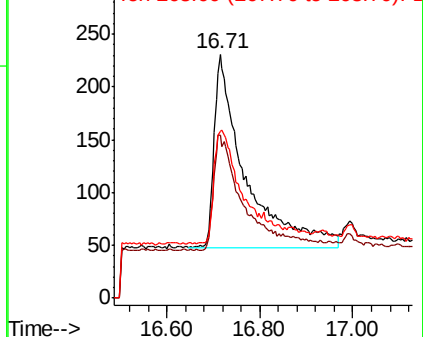
266 100

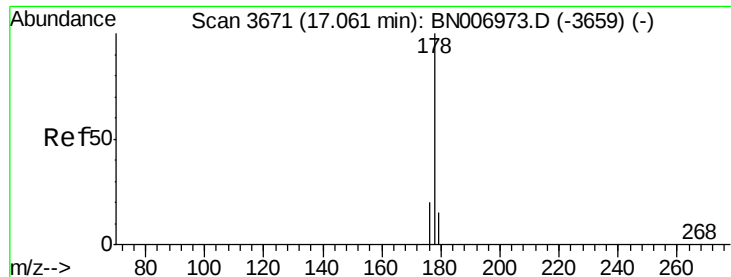
264 62.8 45.9 68.9

268 63.0 48.1 72.1



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: 0.361 ng/ul

RT: 17.06 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

ClientSampleId :

A52T1

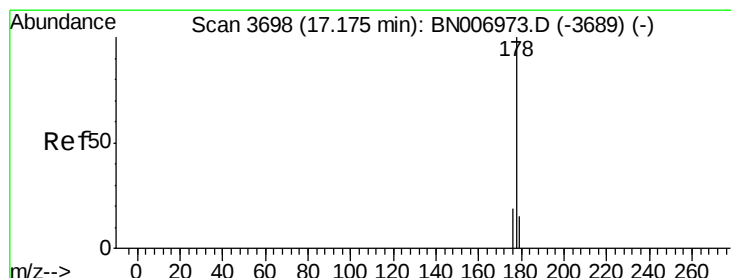
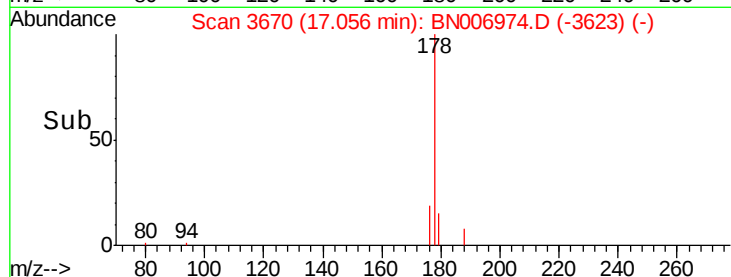
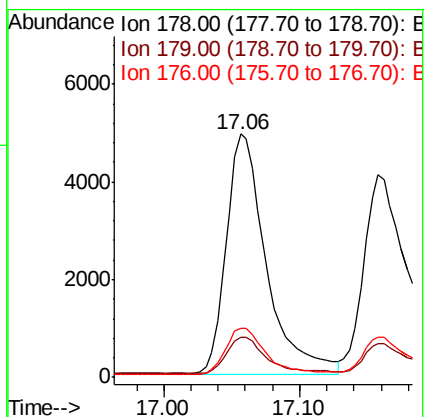
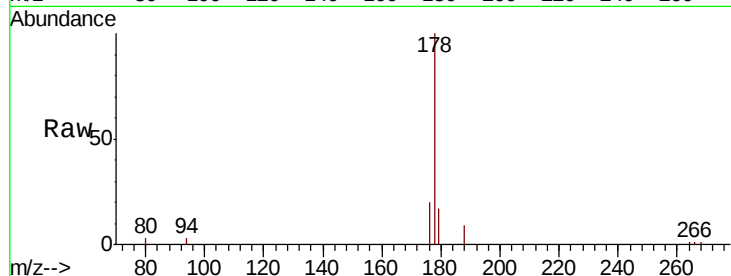
Tot Ion:178 Resp: 10043

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

176 20.4 15.8 23.8



#13

Anthracene

Concen: 0.404 ng/ul

RT: 17.16 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

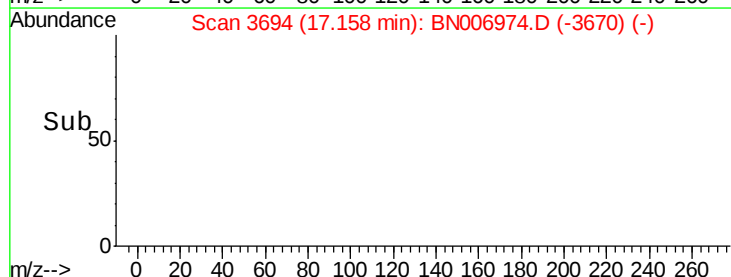
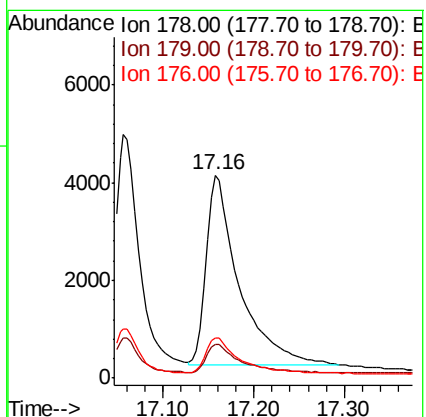
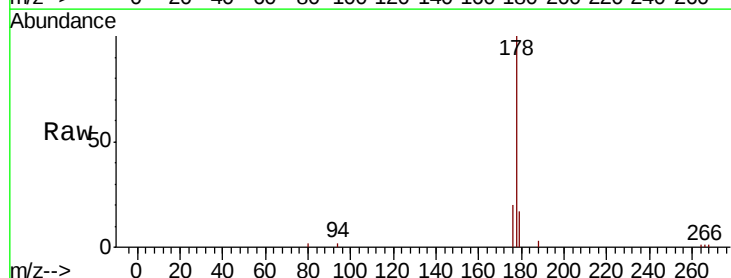
Tgt Ion:178 Resp: 9703

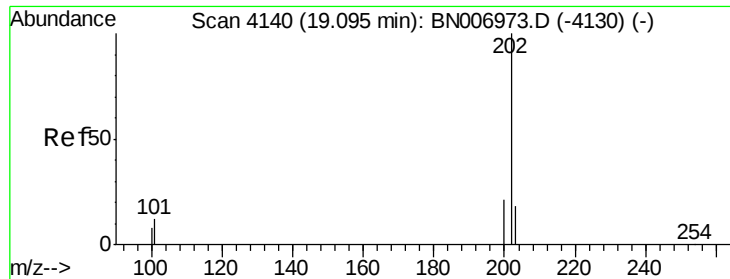
Ion Ratio Lower Upper

178 100

179 16.6 12.7 19.1

176 20.0 15.8 23.6

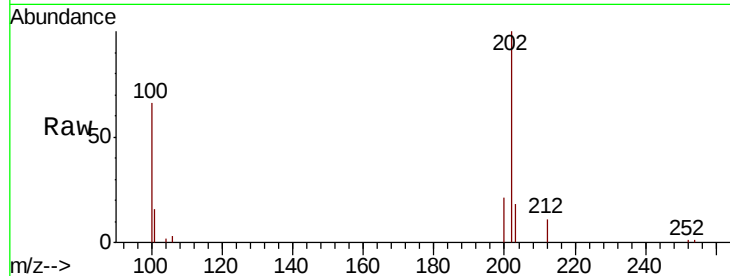




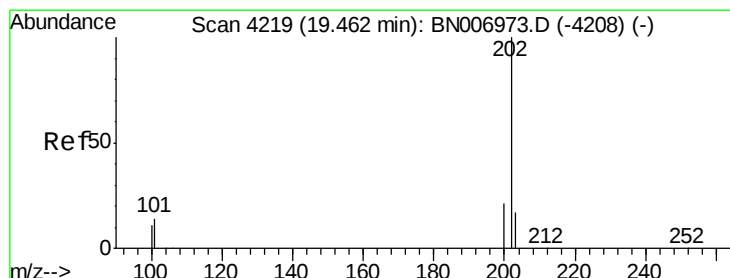
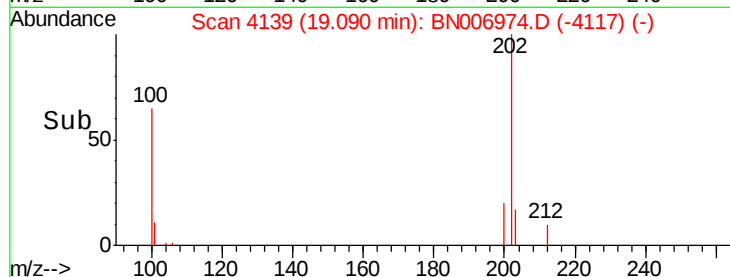
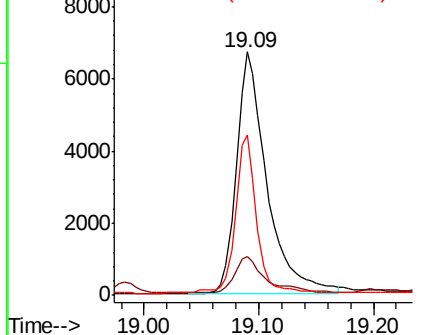
#15
Fluoranthene
 Concen: 0.358 ng/ul
 RT: 19.09 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BN006974.D
 Acq: 24 Jul 2019 12:00

Instrument :
 BNA_N
 ClientSampleId :
 A52T1

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	33.2
100	65.9	0.0	29.9#

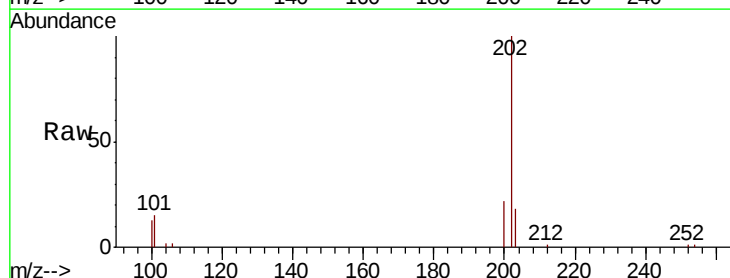


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

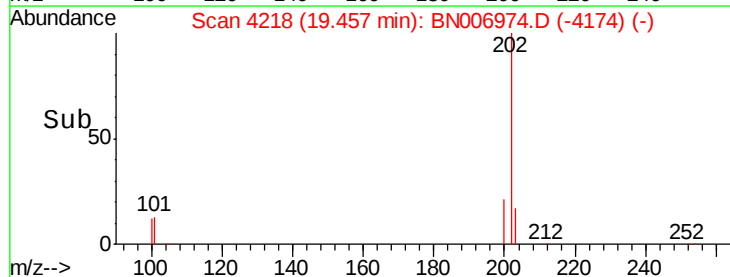
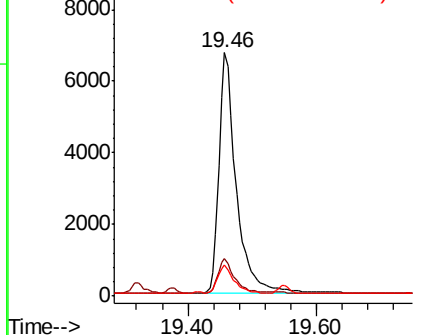


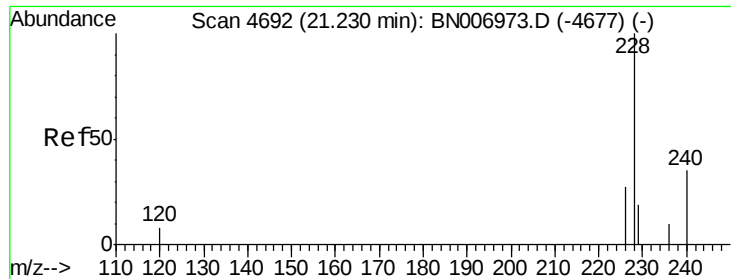
#17
Pyrene
 Concen: 0.396 ng/ul
 RT: 19.46 min Scan# 4218
 Delta R.T. 0.00 min
 Lab File: BN006974.D
 Acq: 24 Jul 2019 12:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.2	18.2
100	12.6	9.8	14.8



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): B





#18

Benzo(a)anthracene

Concen: 0.407 ng/ul

RT: 21.23 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

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A52T1

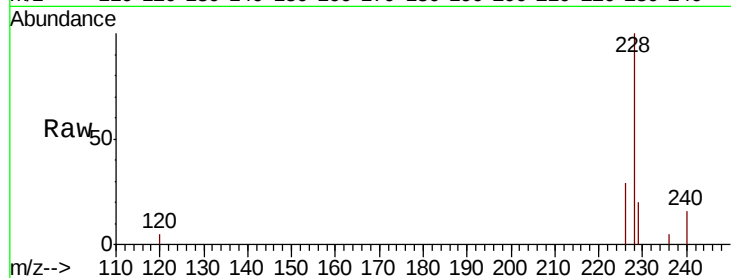
Tot Ion:228 Resp: 11787

Ion Ratio Lower Upper

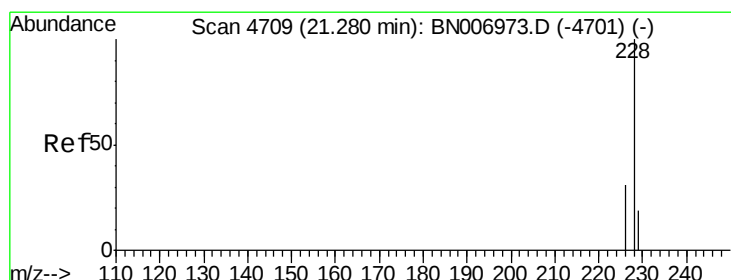
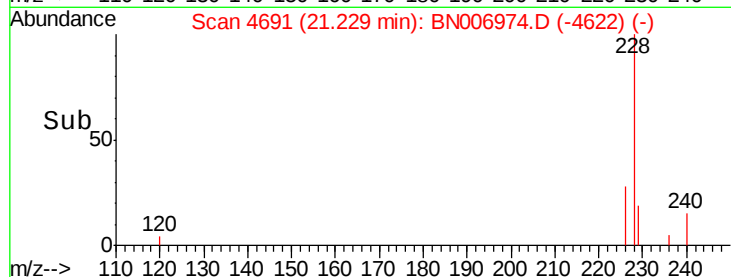
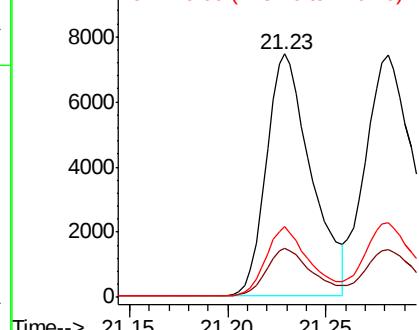
228 100

229 20.1 15.9 23.9

226 28.9 22.6 34.0



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: 0.476 ng/ul

RT: 21.28 min Scan# 4709

Delta R.T. 0.00 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

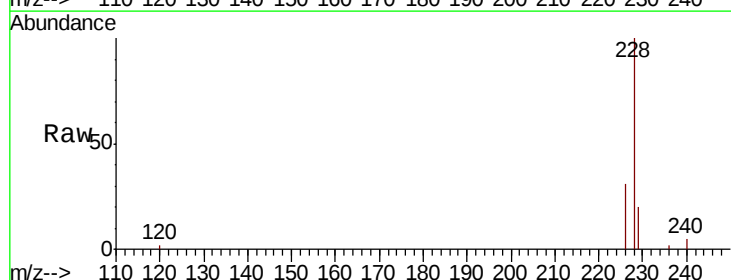
Tgt Ion:228 Resp: 15388

Ion Ratio Lower Upper

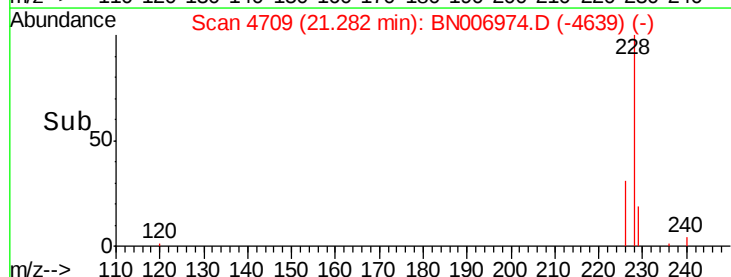
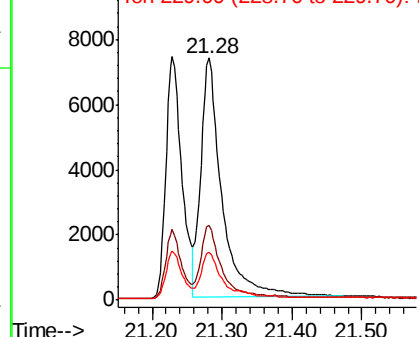
228 100

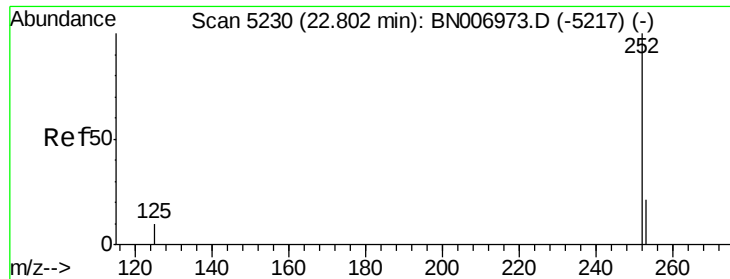
226 31.1 24.2 36.4

229 20.0 15.5 23.3



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: 0.552 ng/ul

RT: 22.81 min Scan# 5232

Delta R.T. 0.01 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

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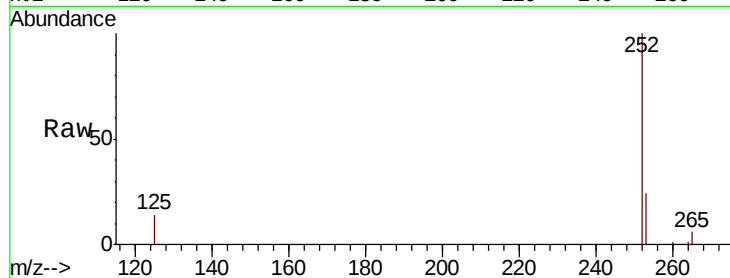
Tot Ion:252 Resp: 16699

Ion Ratio Lower Upper

252 100

253 24.2 0.0 47.8

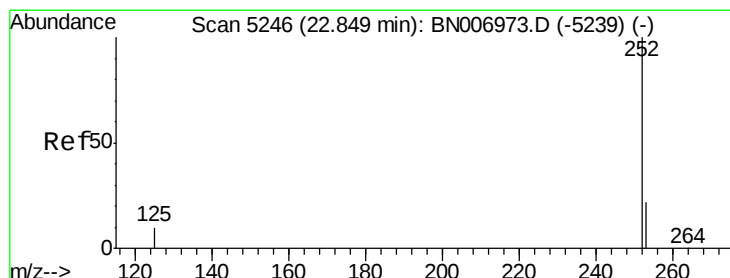
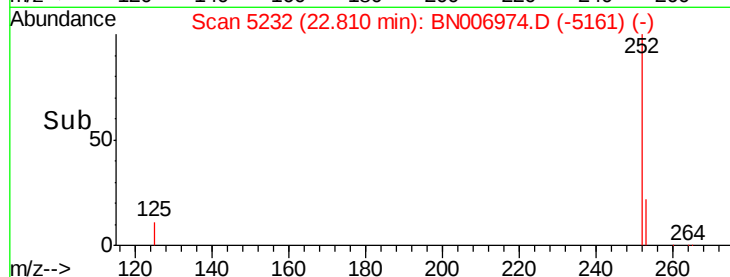
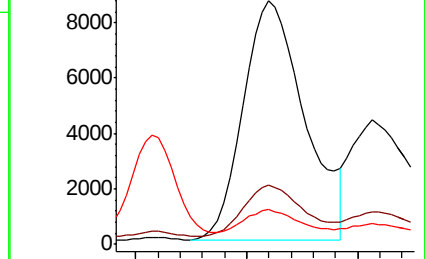
125 14.2 0.0 29.2



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: 0.309 ng/ul

RT: 22.86 min Scan# 5248

Delta R.T. 0.01 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

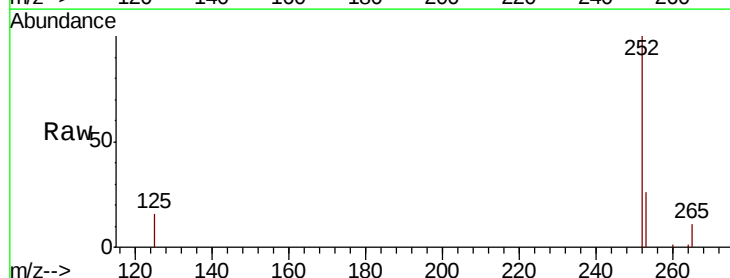
Tgt Ion:252 Resp: 9789

Ion Ratio Lower Upper

252 100

253 25.9 19.2 28.8

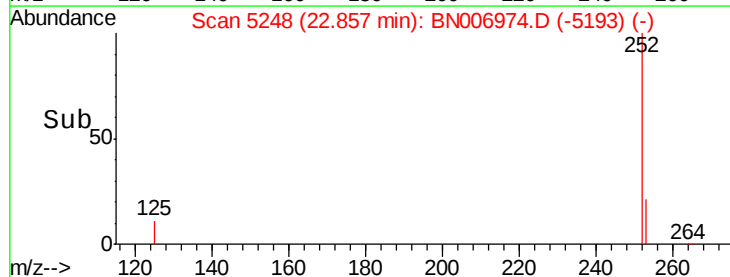
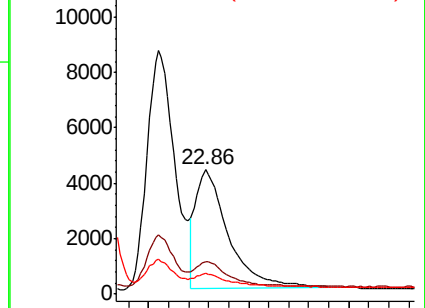
125 16.4 11.0 16.6

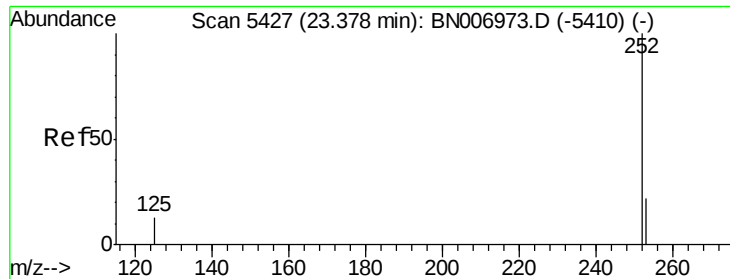


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.366 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. 0.01 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

Instrument :

BNA_N

ClientSampled :

A52T1

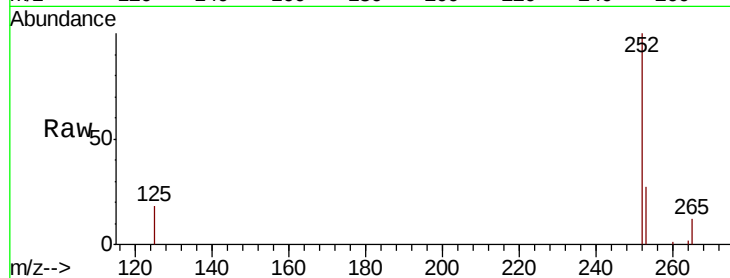
Tot Ion:252 Resp: 10856

Ion Ratio Lower Upper

252 100

253 27.2 19.4 29.2

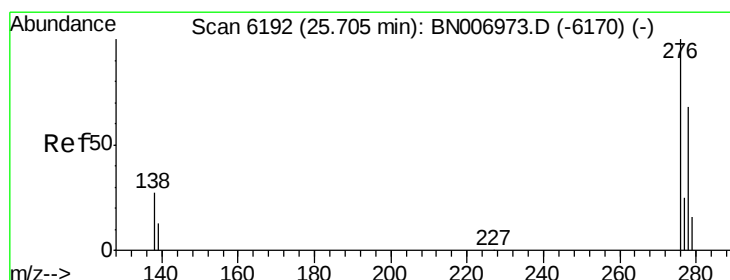
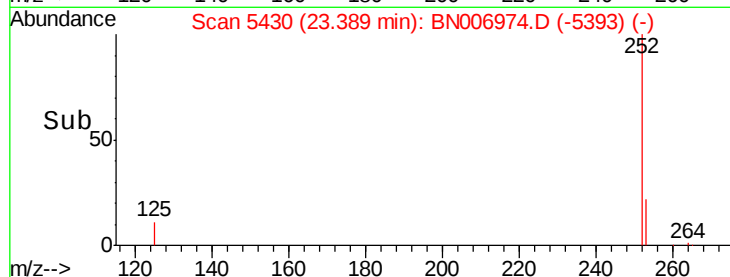
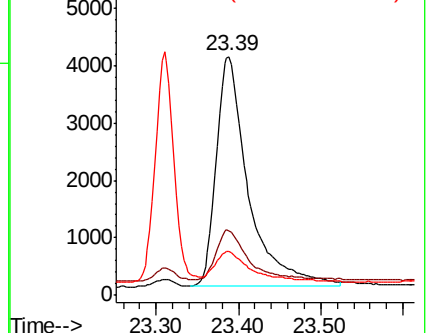
125 18.3 12.6 19.0



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



#25

Dibenzo(a,h)anthracene

Concen: 0.729 ng/ul

RT: 25.71 min Scan# 6193

Delta R.T. 0.01 min

Lab File: BN006974.D

Acq: 24 Jul 2019 12:00

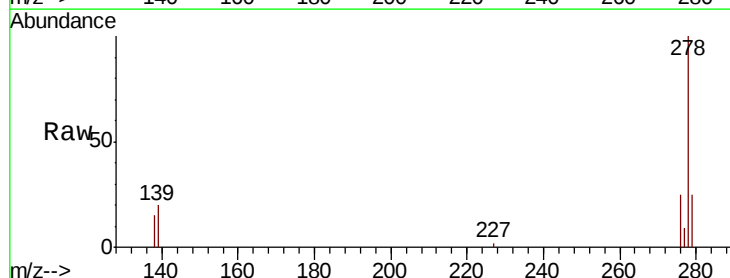
Tgt Ion:278 Resp: 17400

Ion Ratio Lower Upper

278 100

139 20.3 18.1 27.1

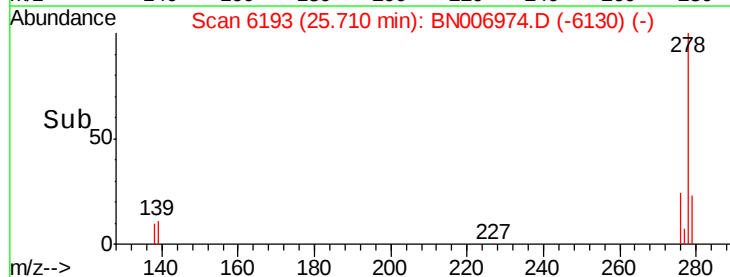
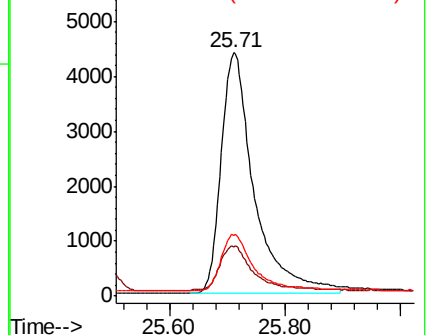
279 25.1 19.8 29.6

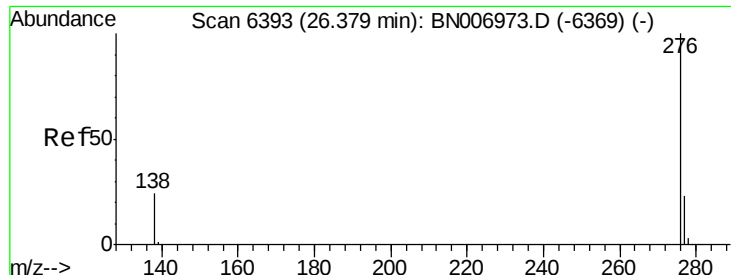


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(a,h,i)perylene
 Concen: 0.315 ng/ul
 RT: 26.40 min Scan# 6400
 Delta R.T. 0.02 min
 Lab File: BN006974.D
 Acq: 24 Jul 2019 12:00

Instrument :
 BNA_N
 ClientSampleId :
 A52T1

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.2	33.2
277	25.7	19.5	29.3

