

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071019\
 Data File : BN006773.D
 Acq On : 10 Jul 2019 17:05
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 01:00:07 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 : Thu Jun 27 14:44:40 2019
 Response via : Initial Calibration

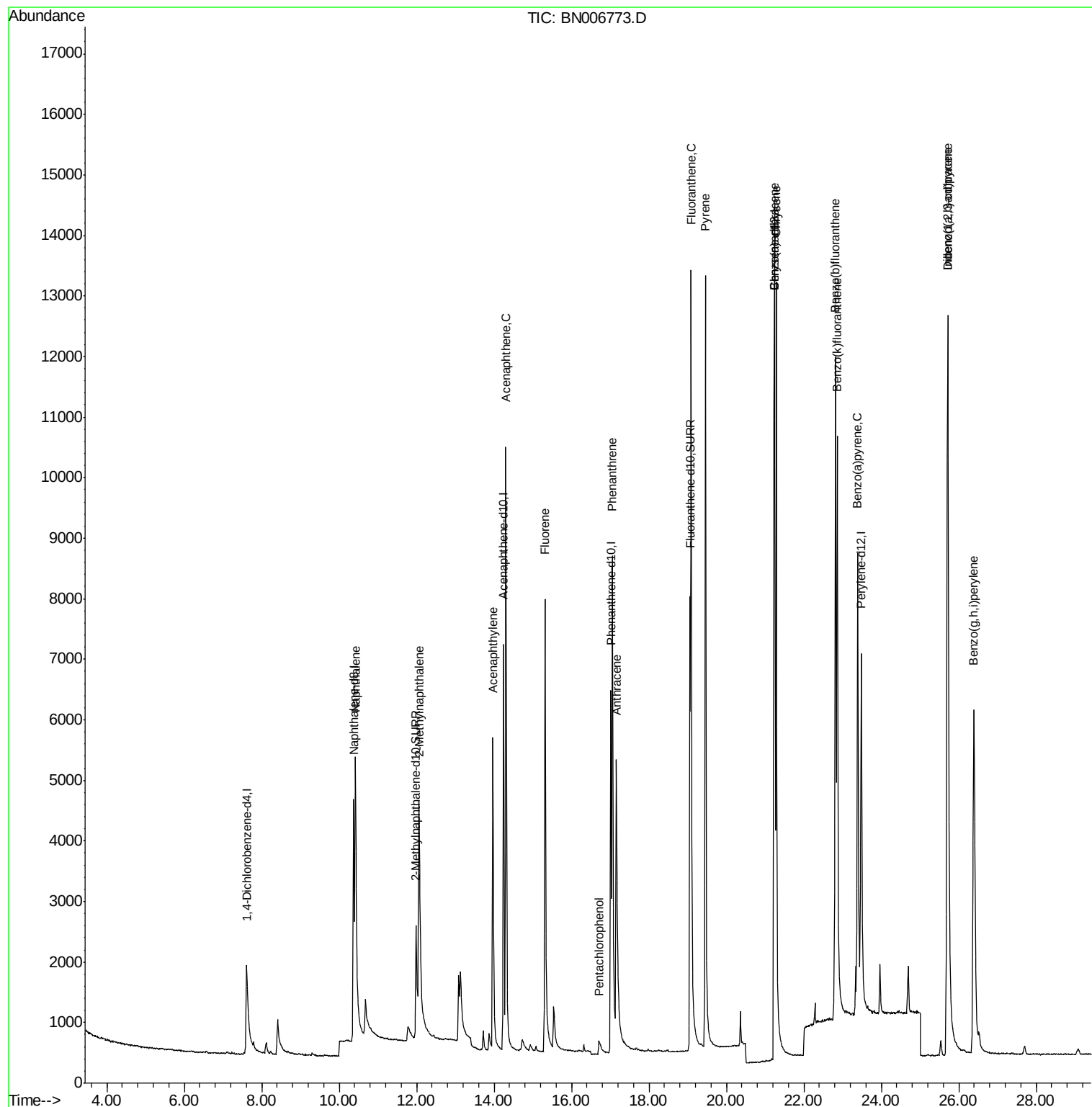
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2215	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	8399	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	4433	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.01	188	9363	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	8230	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	9353	0.40	ng/ul	-0.05
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	4801	0.37	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	10651	0.39	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.42	128	9655	0.400	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	5804	0.356	ng/ul	98
7) Acenaphthylene	12.97	152	8359	0.365	ng/ul	99
8) Acenaphthene	14.31	153	6908	0.392	ng/ul	99
9) Fluorene	15.31	166	7095	0.367	ng/ul	99
11) Pentachlorophenol	16.71	266	520	0.373	ng/ul#	84
12) Phenanthrene	17.06	178	11606	0.385	ng/ul	99
13) Anthracene	17.15	178	8723	0.335	ng/ul	99
15) Fluoranthene	19.09	202	13765	0.370	ng/ul	97
17) Pyrene	19.46	202	14781	0.393	ng/ul	97
18) Benzo(a)anthracene	21.23	228	11698	0.346	ng/ul	99
19) Chrysene	21.28	228	15726	0.417	ng/ul	100
21) Benzo(b)fluoranthene	22.81	252	14351	0.374	ng/ul	97
22) Benzo(k)fluoranthene	22.86	252	15790	0.394	ng/ul	98
23) Benzo(a)pyrene	23.39	252	14340	0.382	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.71	276	16808	0.442	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.71	278	13104	0.434	ng/ul	97
26) Benzo(g,h,i)perylene	26.39	276	14776	0.465	ng/ul	97

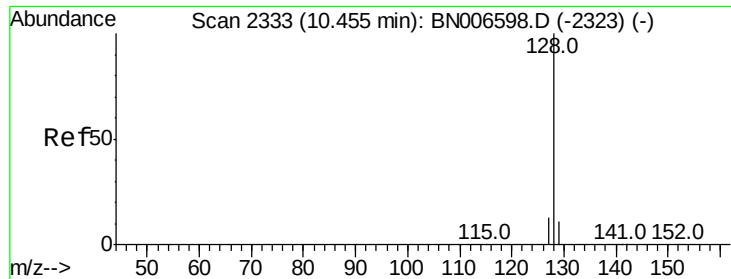
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
ClientSampled :

Quant Time: Jul 11 01:00:07 2019
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QLast Update : Thu Jun 27 14:44:40 2019
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#3

Naphthalene

Concen: 0.400 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.04 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

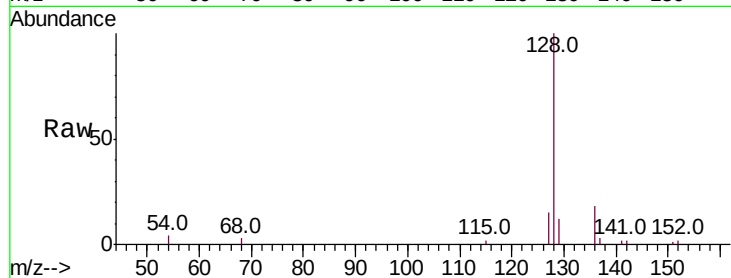
Tot Ion:128 Resp: 9655

Ion Ratio Lower Upper

128 100

129 12.0 9.4 14.0

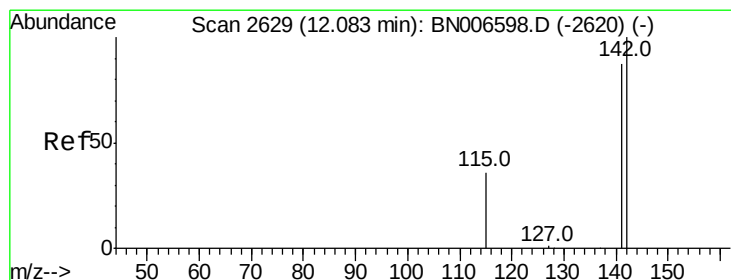
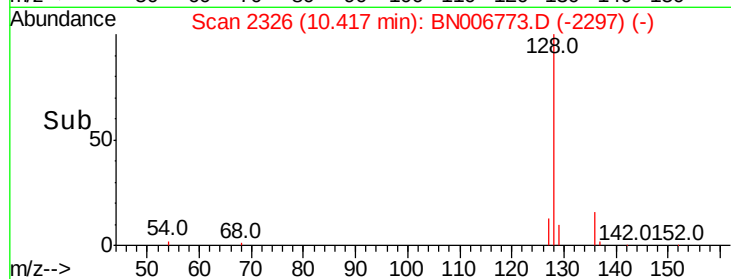
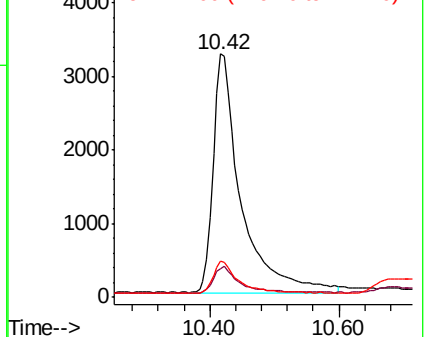
127 14.7 10.6 16.0



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: 0.356 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BN006773.D

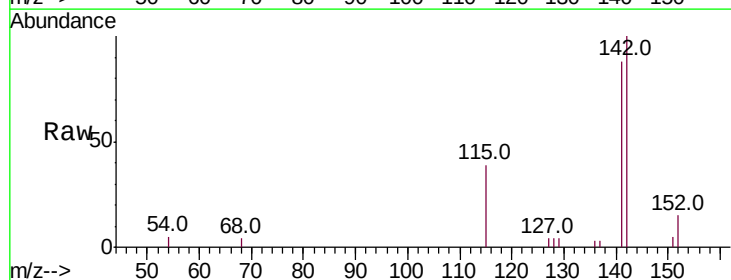
Acq: 10 Jul 2019 17:05

Tgt Ion:142 Resp: 5804

Ion Ratio Lower Upper

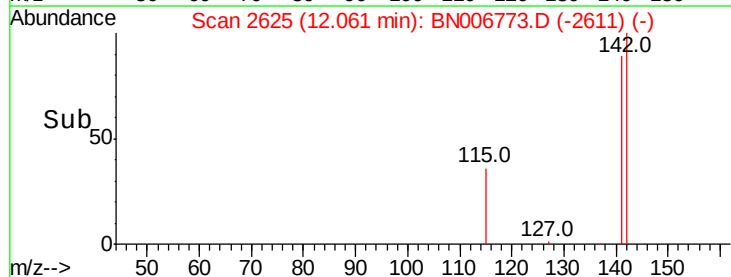
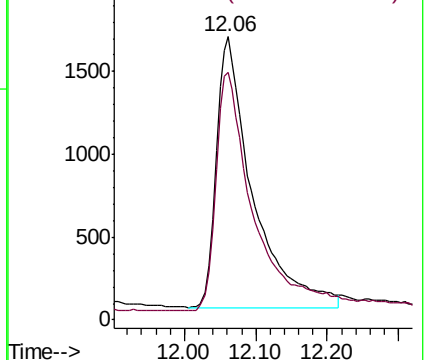
142 100

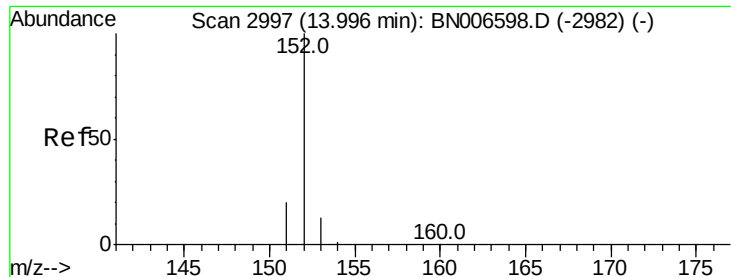
141 91.2 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.365 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.03 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

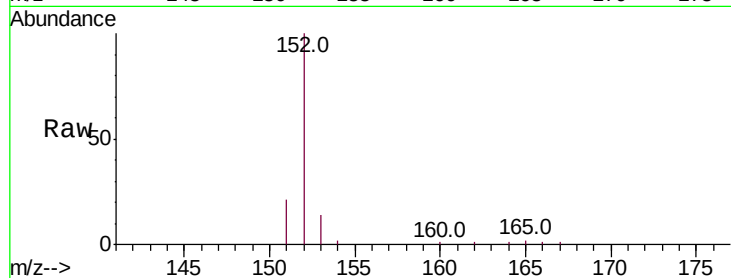
Tot Ion:152 Resp: 8359

Ion Ratio Lower Upper

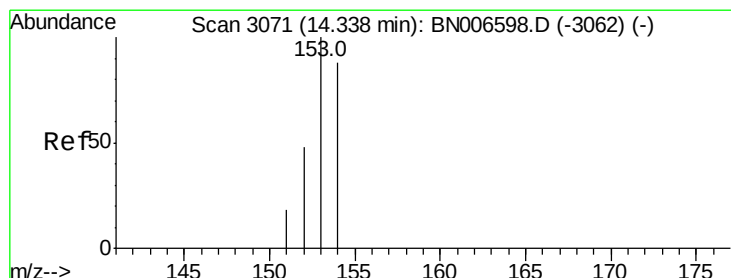
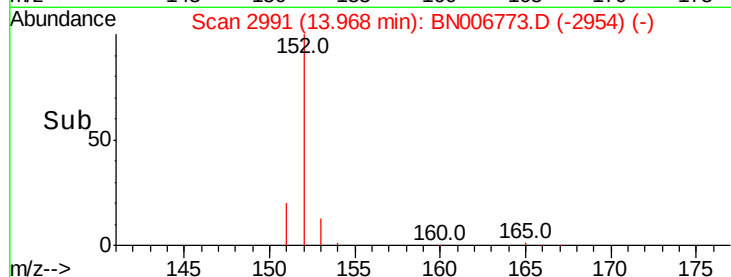
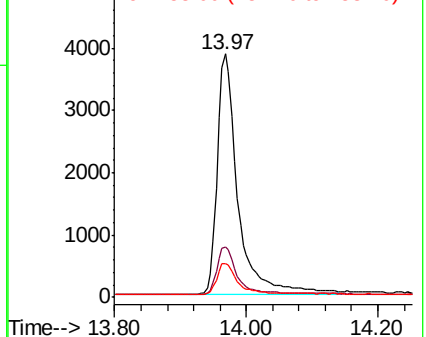
152 100

151 20.9 16.1 24.1

153 14.0 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: 0.392 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. -0.03 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

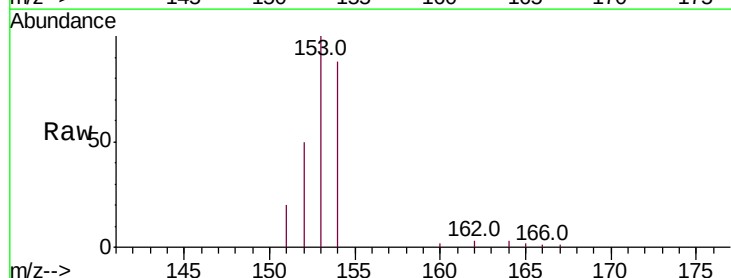
Tgt Ion:153 Resp: 6908

Ion Ratio Lower Upper

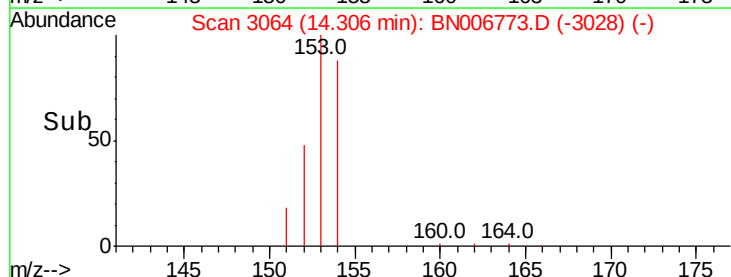
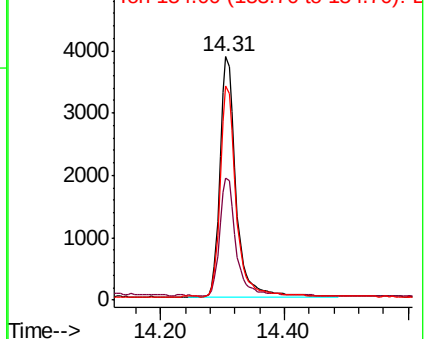
153 100

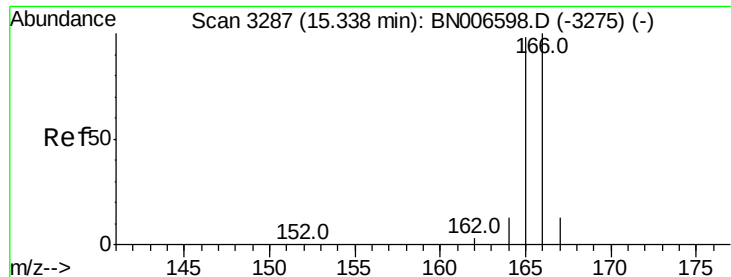
152 50.0 39.3 58.9

154 87.8 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: 0.367 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. -0.02 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

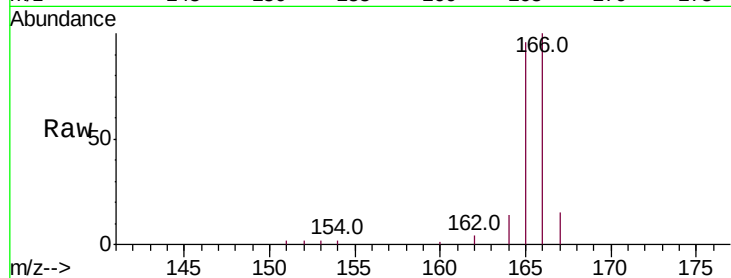
Tot Ion:166 Resp: 7095

Ion Ratio Lower Upper

166 100

165 96.5 78.2 117.4

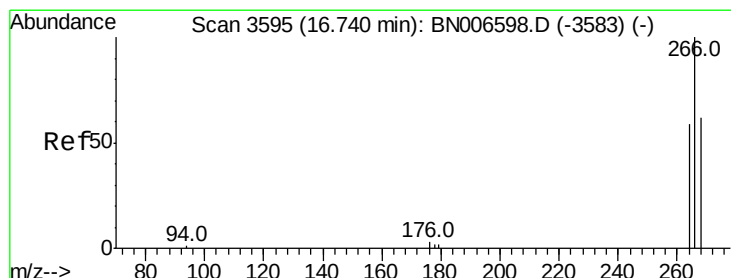
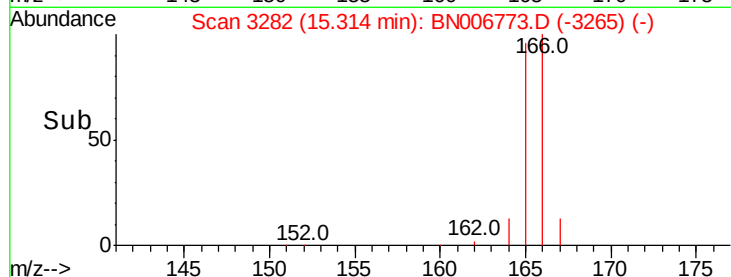
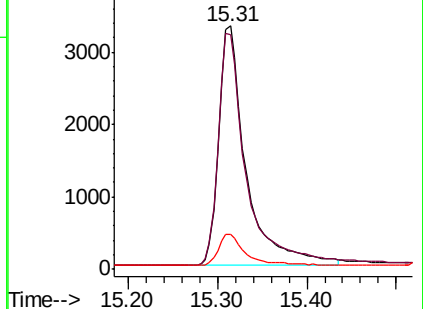
167 14.5 11.3 16.9



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: 0.373 ng/ul

RT: 16.71 min Scan# 3588

Delta R.T. -0.03 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

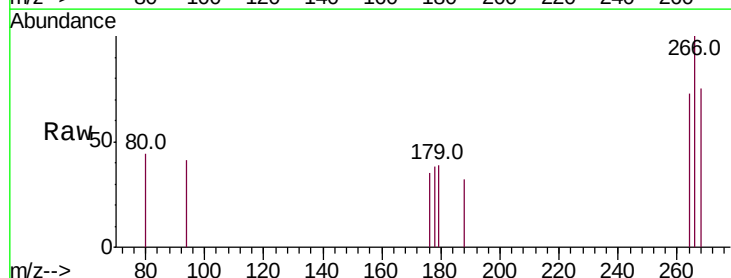
Tgt Ion:266 Resp: 520

Ion Ratio Lower Upper

266 100

264 68.3 45.9 68.9

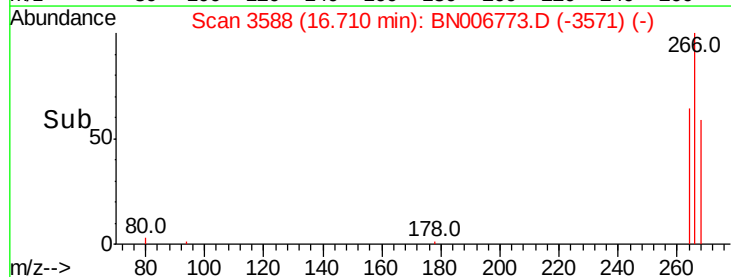
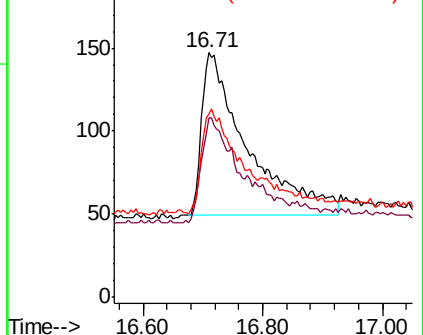
268 72.5 48.1 72.1#

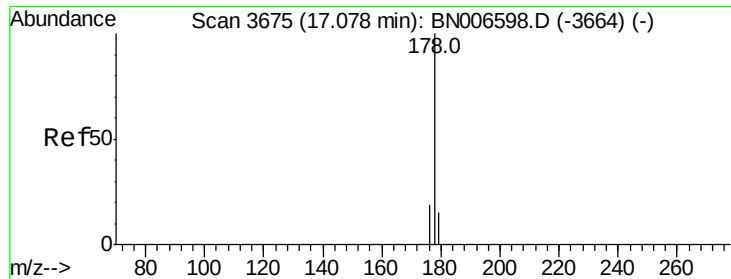


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

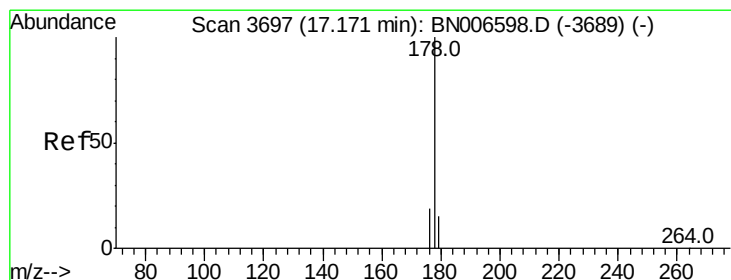
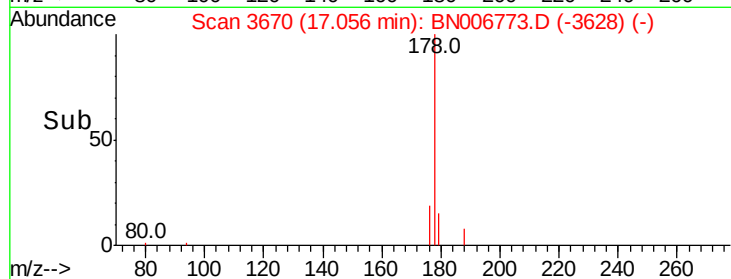
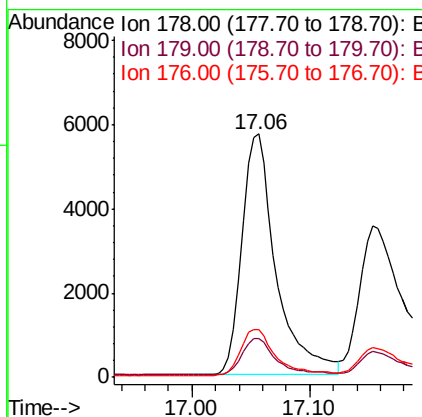
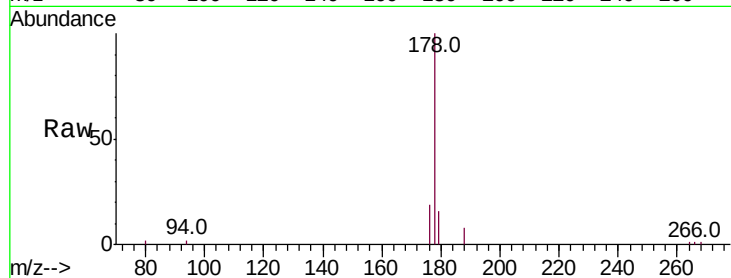




#12
Phenanthrene
Concen: 0.385 ng/ul
RT: 17.06 min Scan# 3670
Delta R.T. -0.02 min
Lab File: BN006773.D
Acq: 10 Jul 2019 17:05

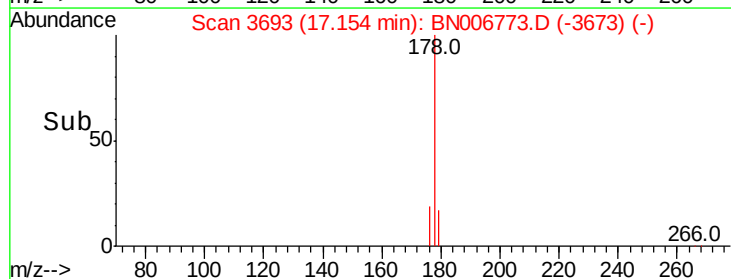
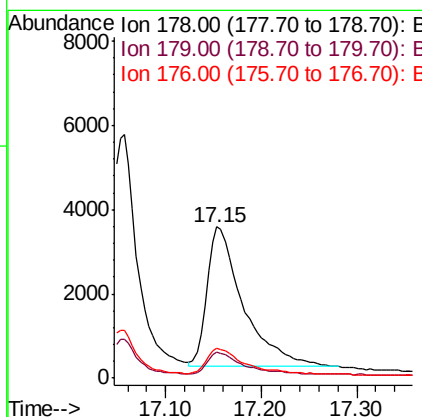
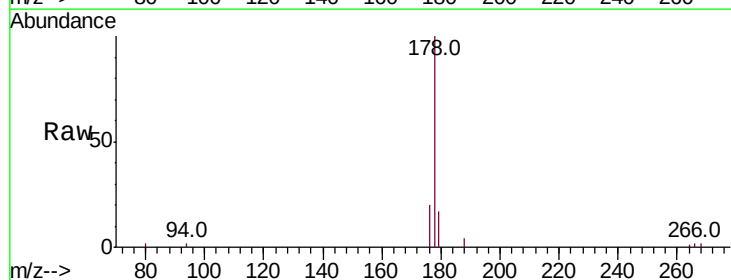
Instrument :
BNA_N
ClientSampleId :

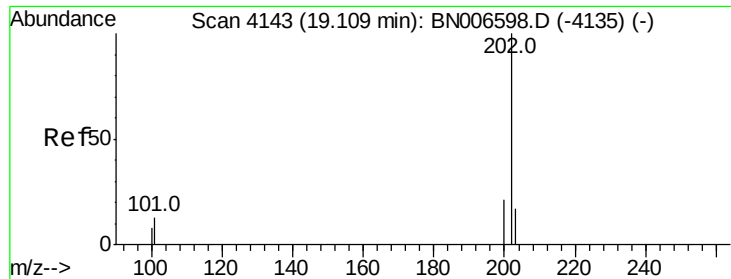
Tot Ion:178 Resp: 11606
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 19.4 15.8 23.8



#13
Anthracene
Concen: 0.335 ng/ul
RT: 17.15 min Scan# 3693
Delta R.T. -0.02 min
Lab File: BN006773.D
Acq: 10 Jul 2019 17:05

Tgt Ion:178 Resp: 8723
Ion Ratio Lower Upper
178 100
179 16.9 12.7 19.1
176 20.0 15.8 23.6

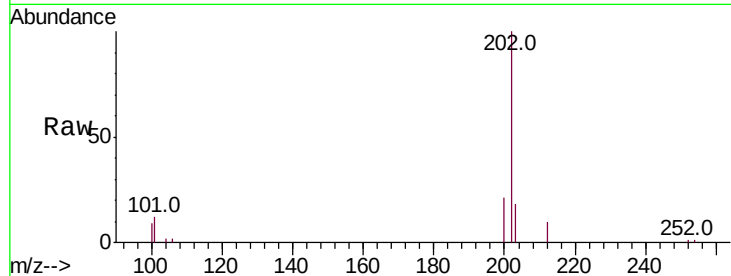




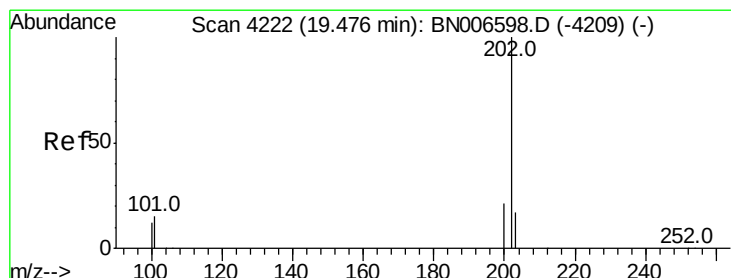
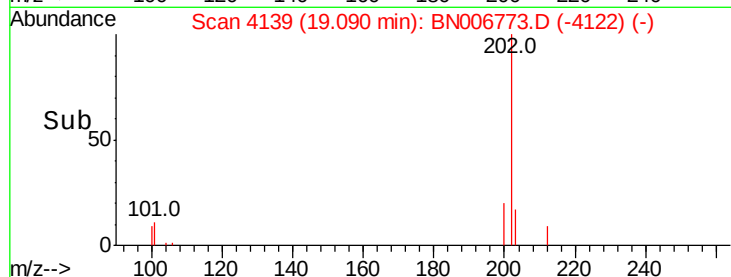
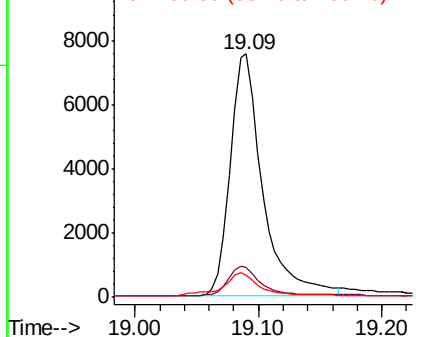
#15
Fluoranthene
 Concen: 0.370 ng/ul
 RT: 19.09 min Scan# 4139
 Delta R.T. -0.02 min
 Lab File: BN006773.D
 Acq: 10 Jul 2019 17:05

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.2
100	9.2	0.0	29.9

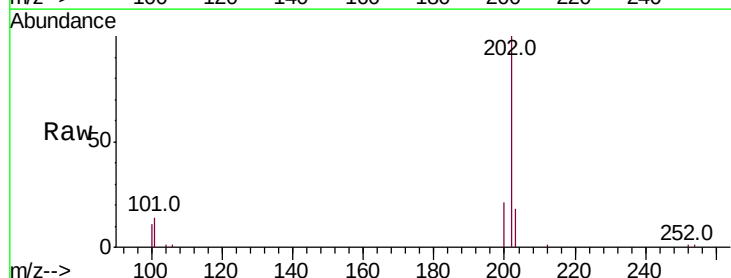


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

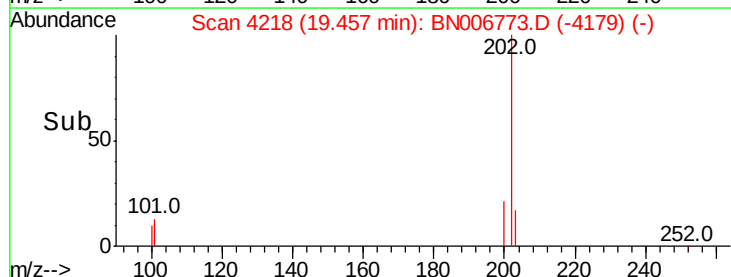
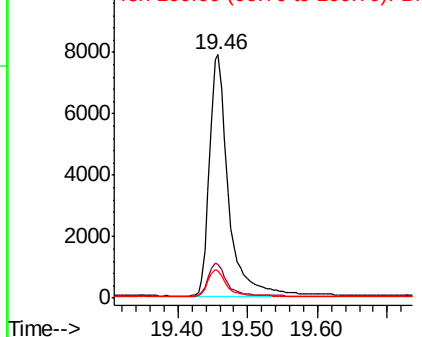


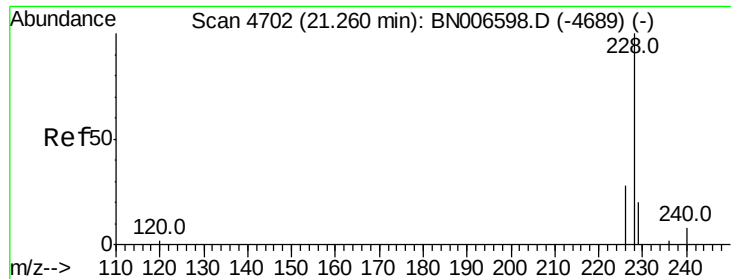
#17
Pyrene
 Concen: 0.393 ng/ul
 RT: 19.46 min Scan# 4218
 Delta R.T. -0.02 min
 Lab File: BN006773.D
 Acq: 10 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	12.2	18.2
100	11.0	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: 0.346 ng/ul

RT: 21.23 min Scan# 4692

Delta R.T. -0.03 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

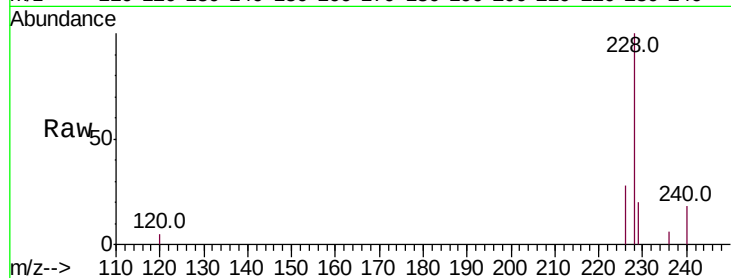
Tot Ion:228 Resp: 11698

Ion Ratio Lower Upper

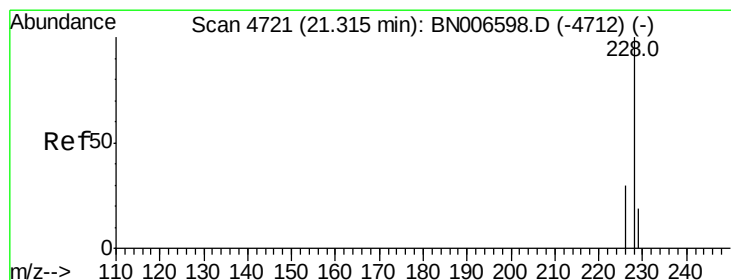
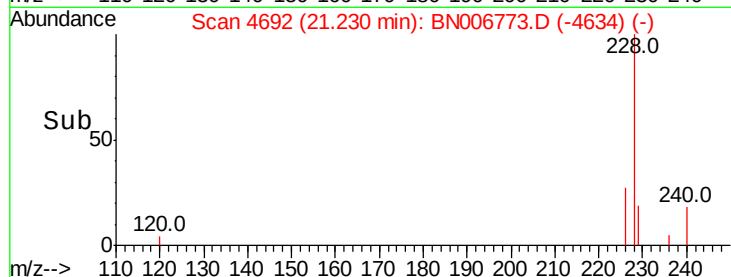
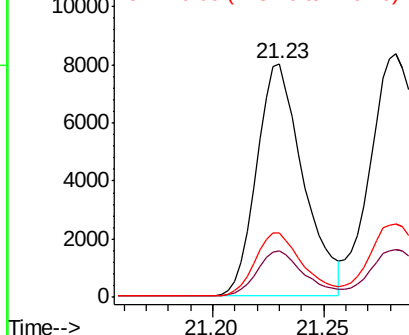
228 100

229 20.0 15.9 23.9

226 27.6 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: 0.417 ng/ul

RT: 21.28 min Scan# 4710

Delta R.T. -0.03 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

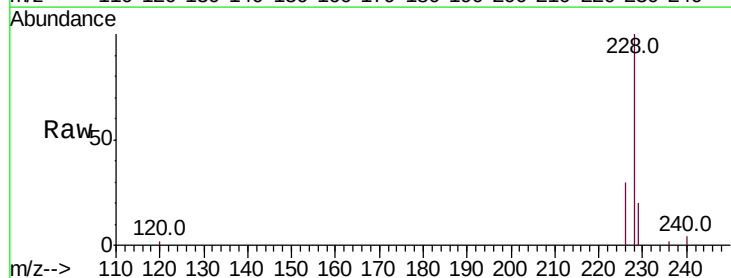
Tgt Ion:228 Resp: 15726

Ion Ratio Lower Upper

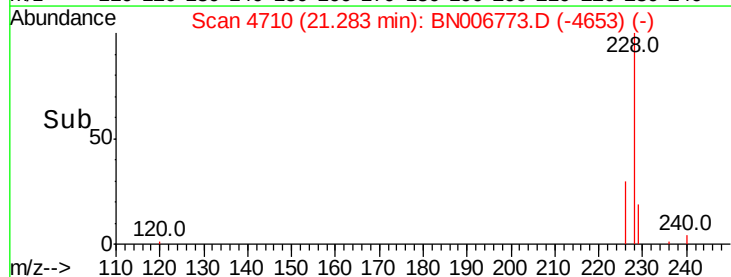
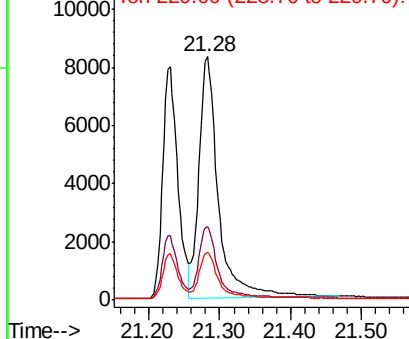
228 100

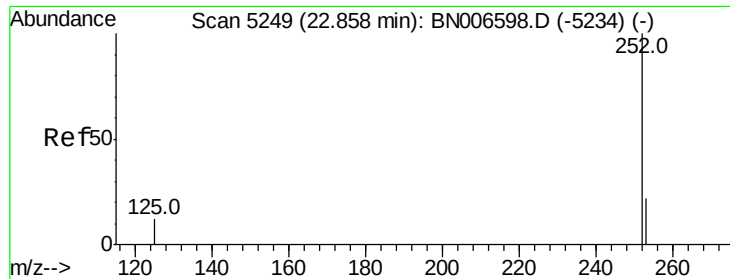
226 30.2 24.2 36.4

229 19.8 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: 0.374 ng/ul

RT: 22.81 min Scan# 5234

Delta R.T. -0.04 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

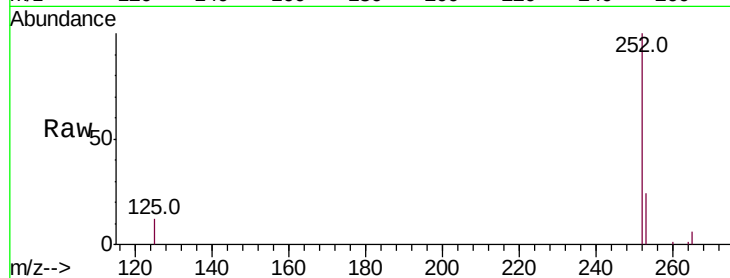
Tot Ion:252 Resp: 14351

Ion Ratio Lower Upper

252 100

253 23.6 0.0 47.8

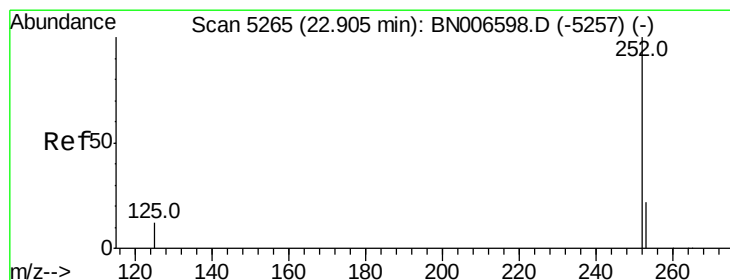
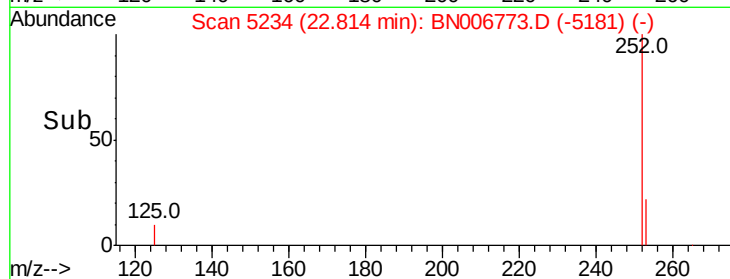
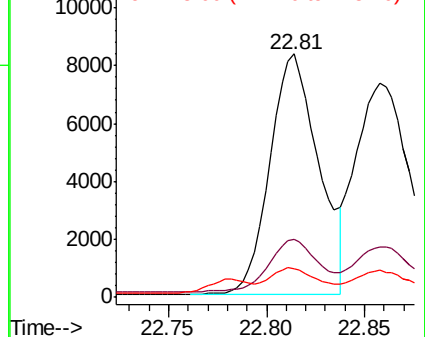
125 12.0 0.0 29.2



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: 0.394 ng/ul

RT: 22.86 min Scan# 5249

Delta R.T. -0.05 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

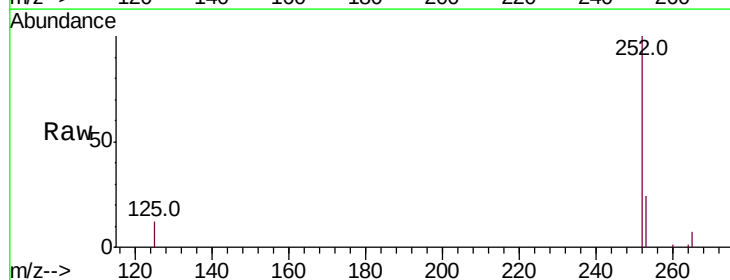
Tgt Ion:252 Resp: 15790

Ion Ratio Lower Upper

252 100

253 23.7 19.2 28.8

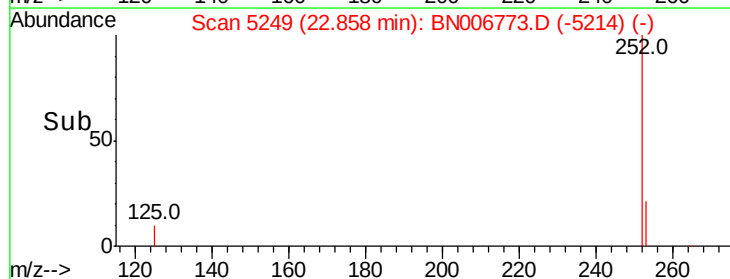
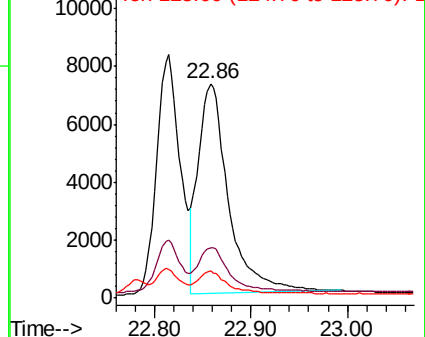
125 12.4 11.0 16.6

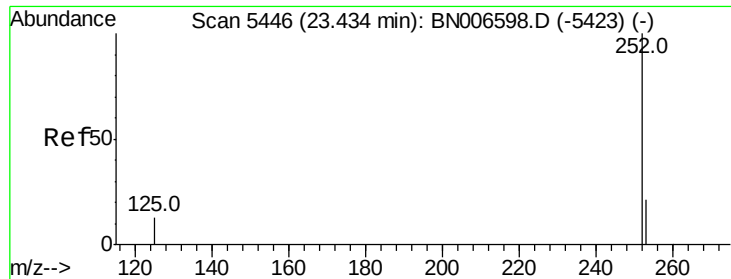


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.382 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. -0.05 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

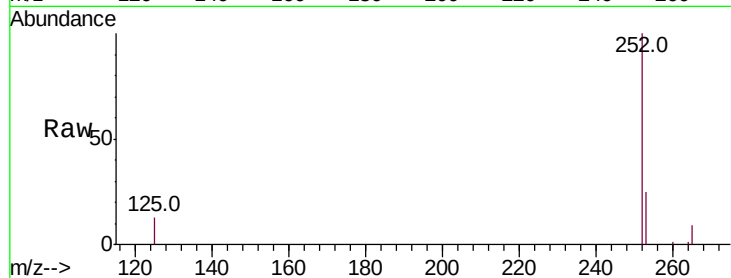
Tot Ion:252 Resp: 14340

Ion Ratio Lower Upper

252 100

253 24.6 19.4 29.2

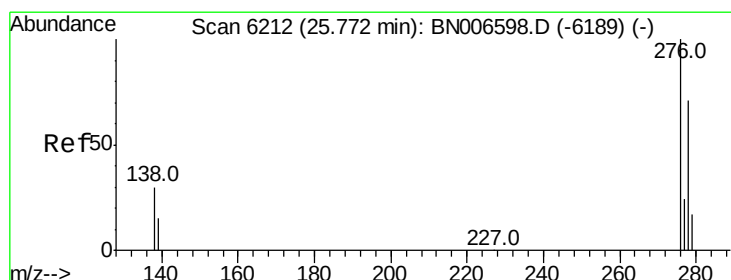
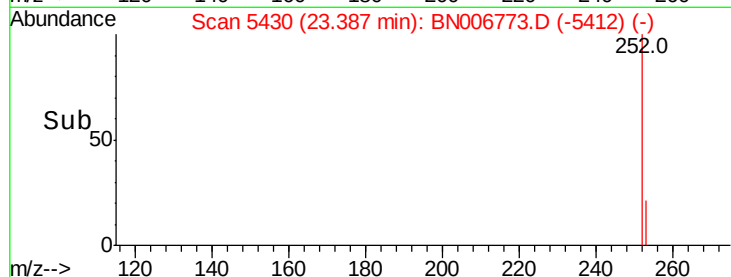
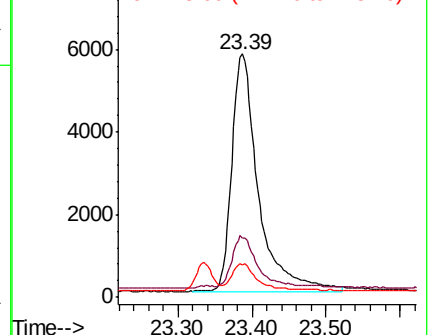
125 13.5 12.6 19.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.442 ng/ul

RT: 25.71 min Scan# 6193

Delta R.T. -0.06 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

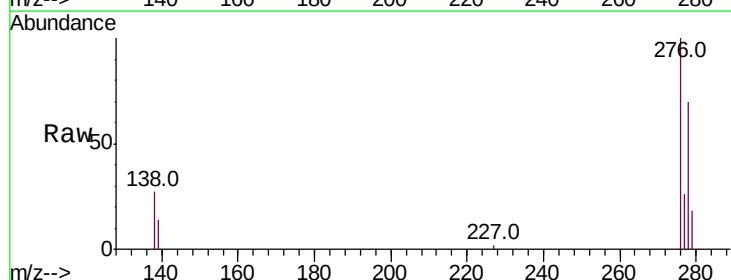
Tgt Ion:276 Resp: 16808

Ion Ratio Lower Upper

276 100

138 25.9 24.3 36.5

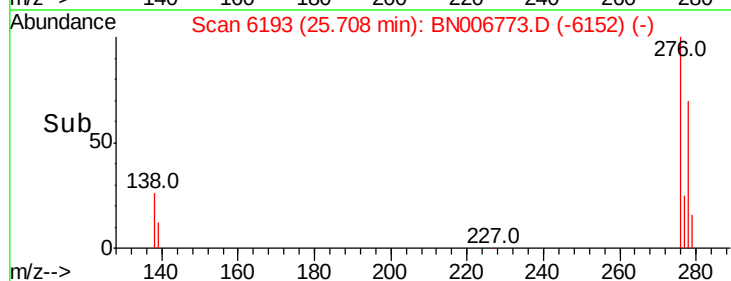
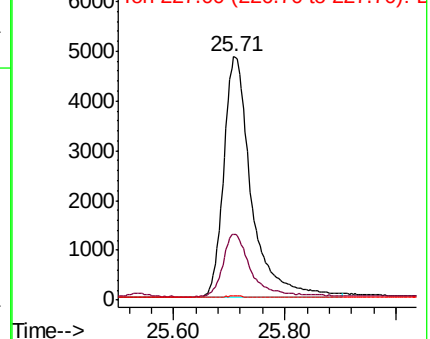
227 0.2 0.2 0.4#

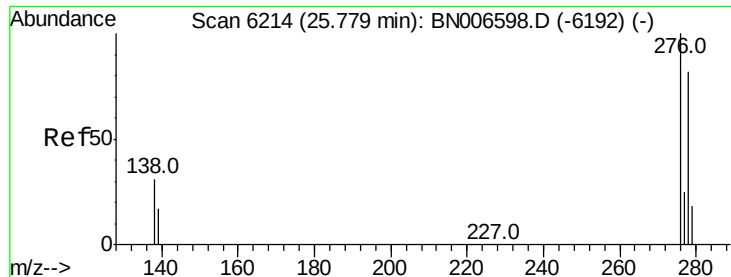


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.434 ng/ul

RT: 25.71 min Scan# 6195

Delta R.T. -0.06 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

Instrument :

BNA_N

ClientSampleId :

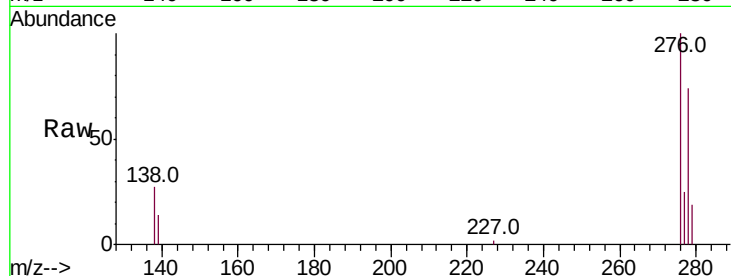
Tot Ion:278 Resp: 13104

Ion Ratio Lower Upper

278 100

139 19.4 18.1 27.1

279 25.0 19.8 29.6

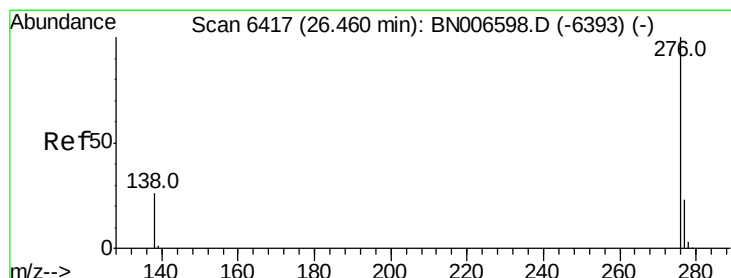
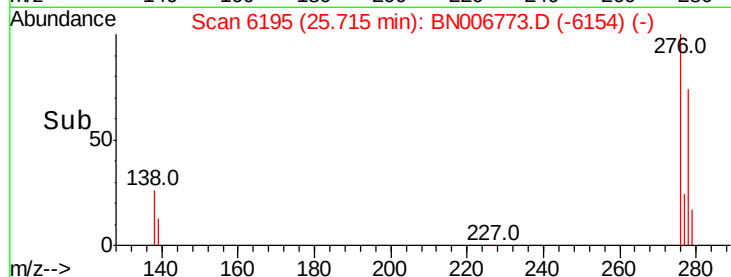
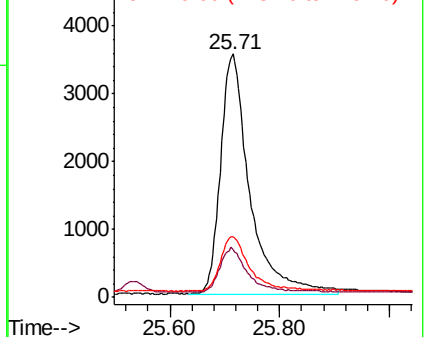


Abundance

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(g,h,i)perylene

Concen: 0.465 ng/ul

RT: 26.39 min Scan# 6396

Delta R.T. -0.07 min

Lab File: BN006773.D

Acq: 10 Jul 2019 17:05

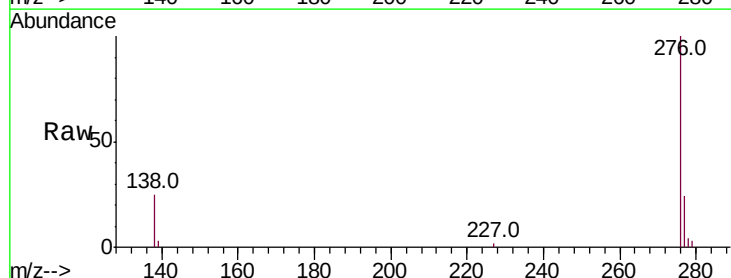
Tgt Ion:276 Resp: 14776

Ion Ratio Lower Upper

276 100

138 24.8 22.2 33.2

277 24.1 19.5 29.3



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

