

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071919\
 Data File : BN006927.D
 Acq On : 19 Jul 2019 16:53
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 19 23:33:20 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 : Fri Jul 19 23:29:55 2019
 Response via : Initial Calibration

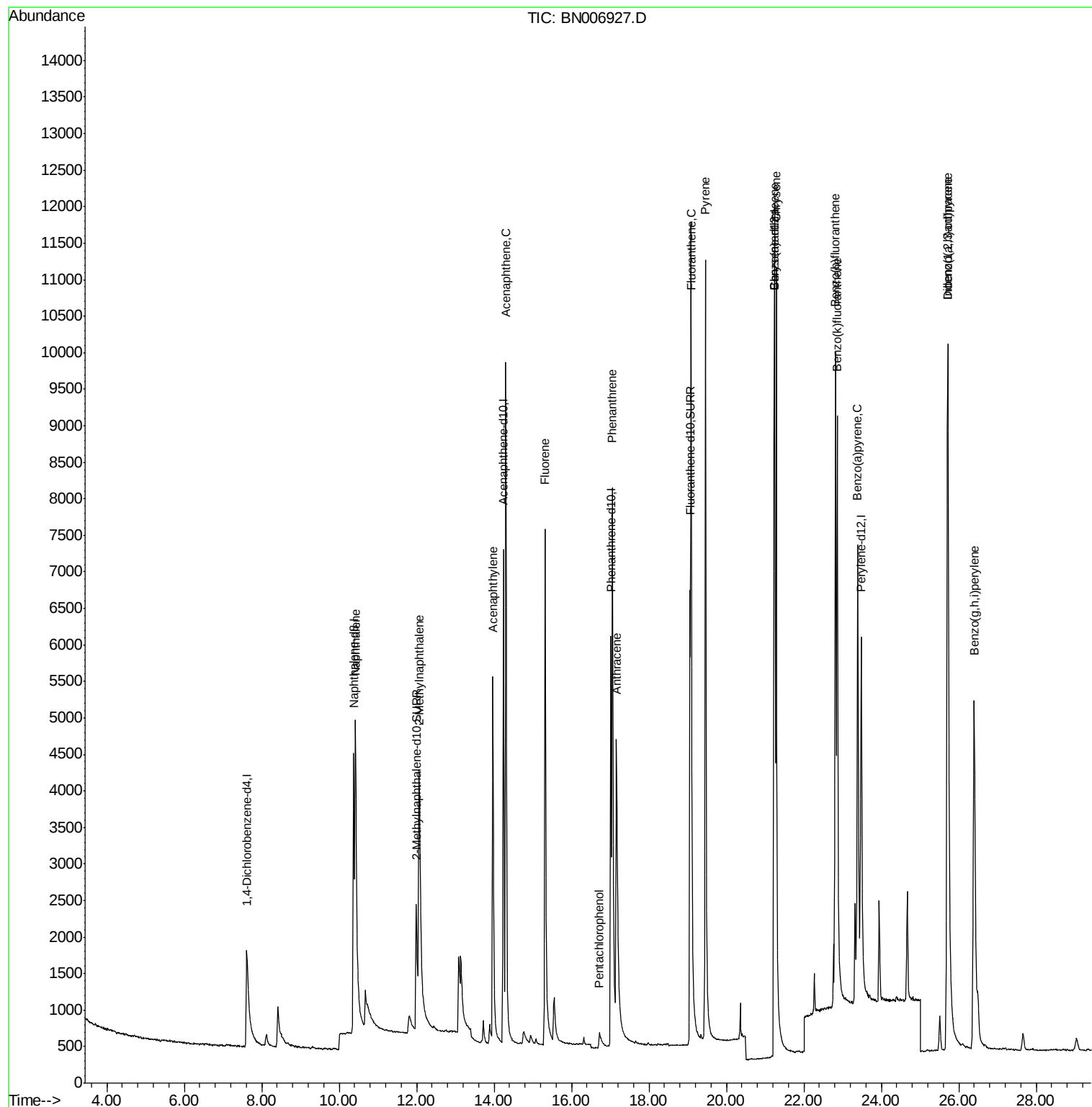
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2161	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	8396	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4477	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9292	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	7103	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	8006	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	4824	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	9697	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	9628	0.399	ng/ul	97
5) 2-Methylnaphthalene	12.07	142	5867	0.360	ng/ul	97
7) Acenaphthylene	13.97	152	8230	0.356	ng/ul	98
8) Acenaphthene	14.31	153	6793	0.381	ng/ul	98
9) Fluorene	15.31	166	6939	0.355	ng/ul	100
11) Pentachlorophenol	16.72	266	504	0.364	ng/ul	92
12) Phenanthrene	17.06	178	11096	0.371	ng/ul	98
13) Anthracene	17.16	178	8341	0.323	ng/ul	99
15) Fluoranthene	19.09	202	12663	0.343	ng/ul	98
17) Pyrene	19.46	202	13411	0.413	ng/ul	98
18) Benzo(a)anthracene	21.23	228	9634	0.330	ng/ul	100
19) Chrysene	21.28	228	14064	0.432	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	12245	0.373	ng/ul	98
22) Benzo(k)fluoranthene	22.86	252	13821	0.403	ng/ul	98
23) Benzo(a)pyrene	23.39	252	12303	0.383	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.71	276	14315	0.440	ng/ul	94
25) Dibenzo(a,h)anthracene	25.71	278	11103	0.429	ng/ul	97
26) Benzo(g,h,i)perylene	26.40	276	12722	0.468	ng/ul	97

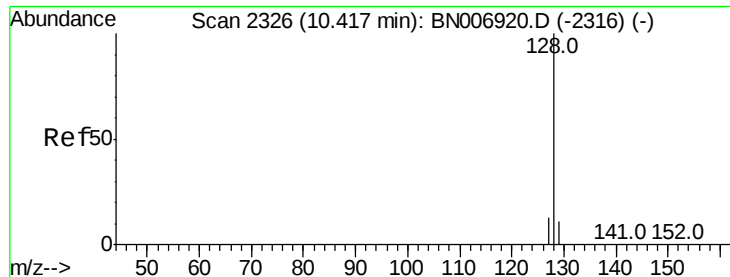
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.399 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

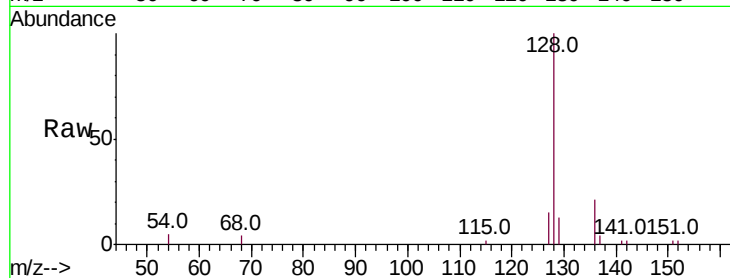
Tot Ion:128 Resp: 9628

Ion Ratio Lower Upper

128 100

129 12.8 9.4 14.0

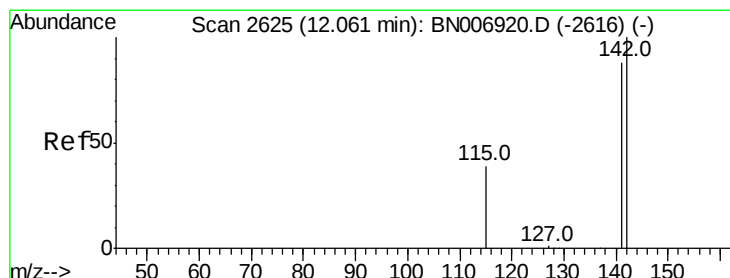
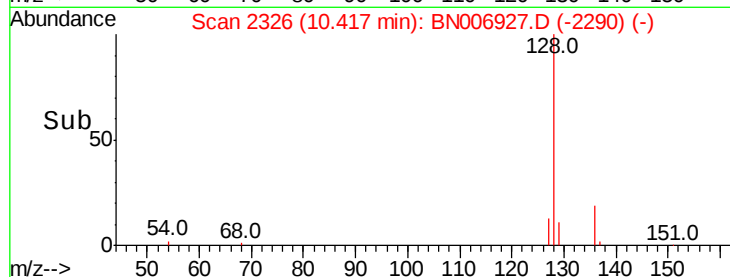
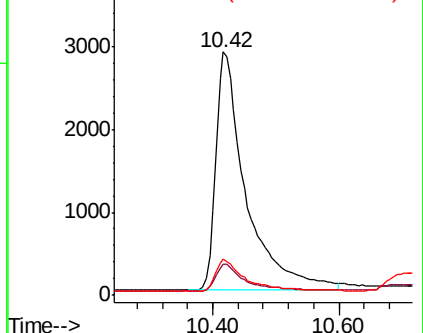
127 14.9 10.6 16.0



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: 0.360 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BN006927.D

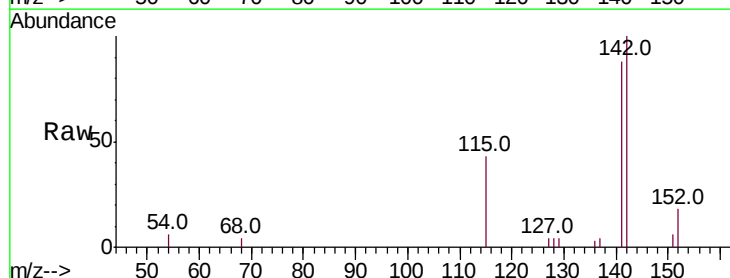
Acq: 19 Jul 2019 16:53

Tgt Ion:142 Resp: 5867

Ion Ratio Lower Upper

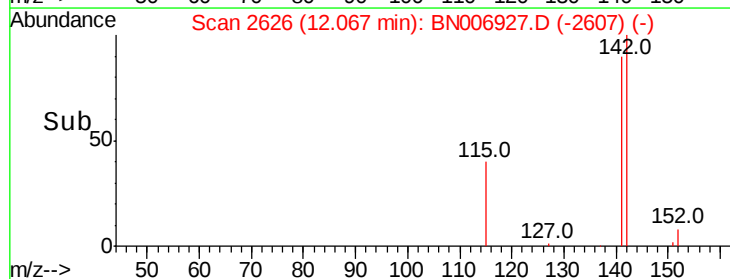
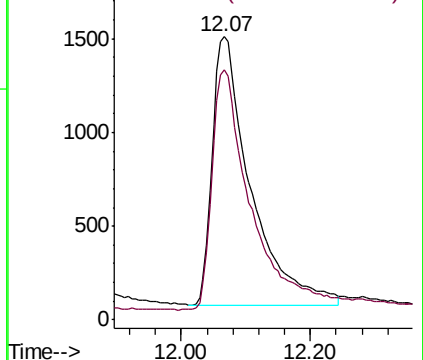
142 100

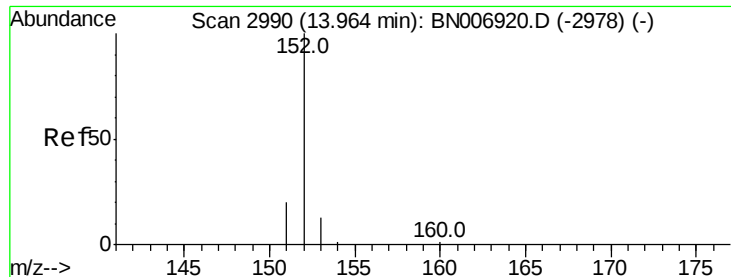
141 92.1 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

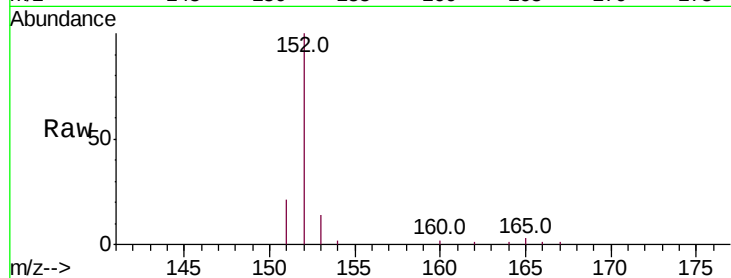
Tot Ion:152 Resp: 8230

Ion Ratio Lower Upper

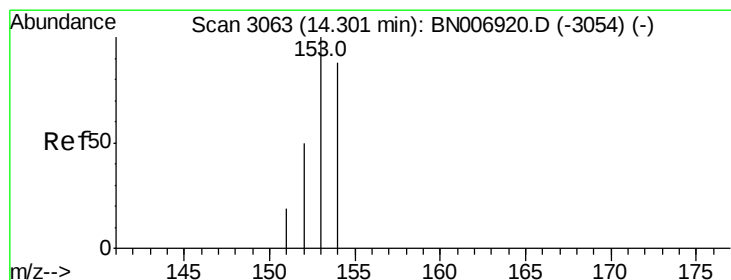
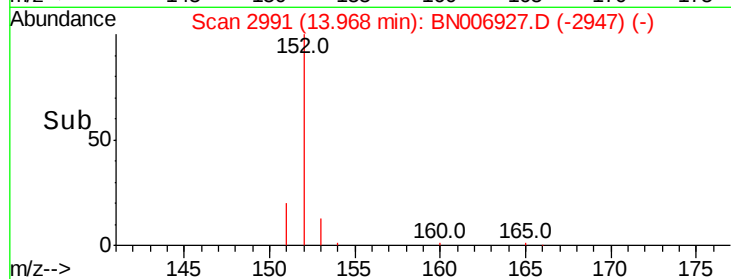
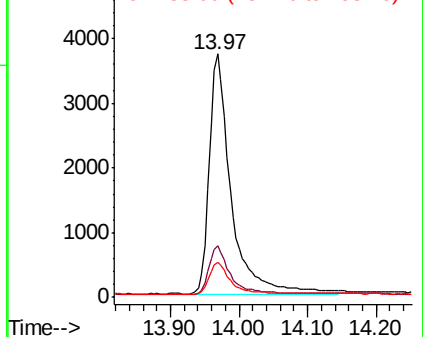
152 100

151 21.1 16.1 24.1

153 14.4 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: 0.381 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

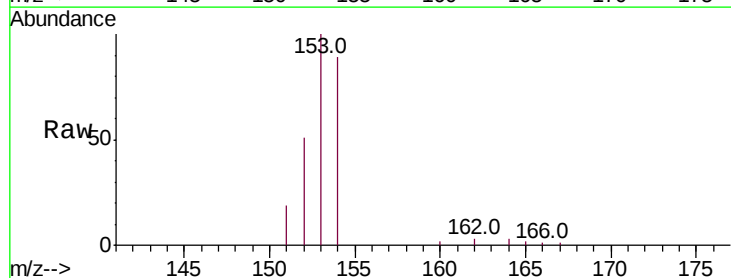
Tgt Ion:153 Resp: 6793

Ion Ratio Lower Upper

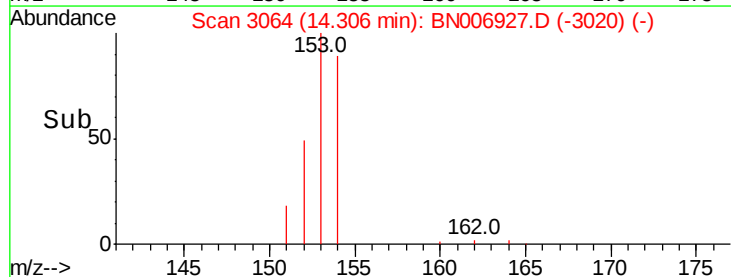
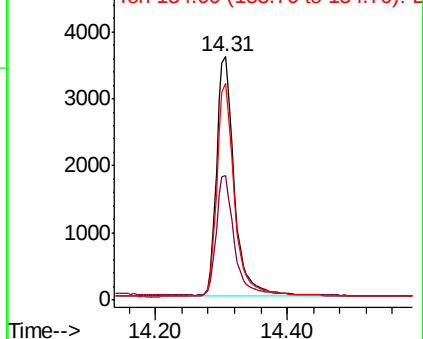
153 100

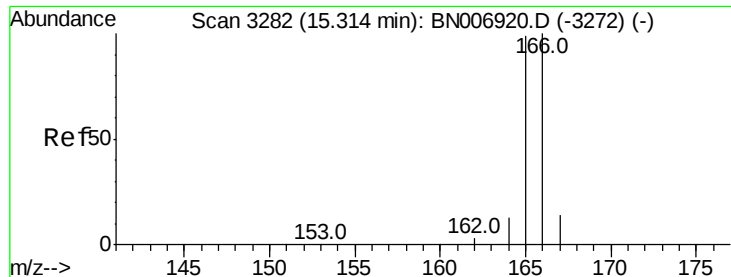
152 51.3 39.3 58.9

154 88.8 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: 0.355 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

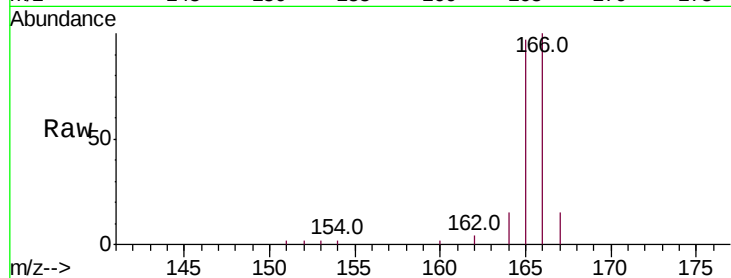
Tot Ion:166 Resp: 6939

Ion Ratio Lower Upper

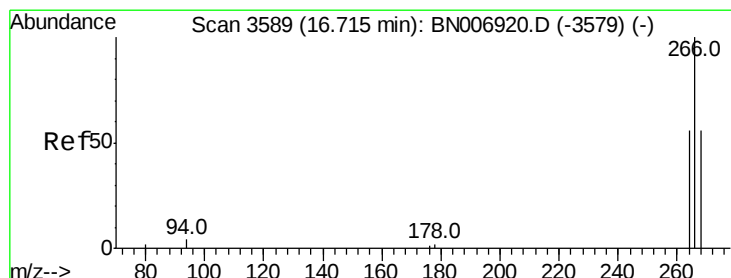
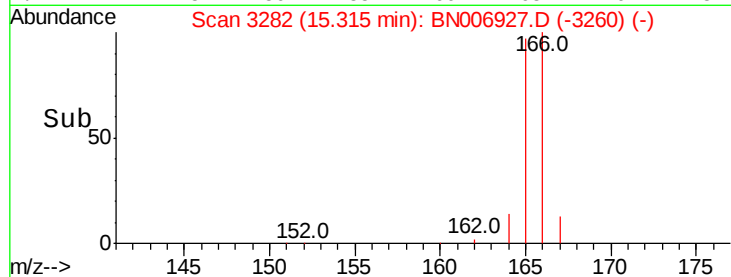
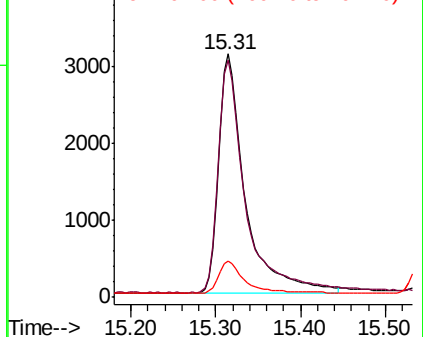
166 100

165 97.5 78.2 117.4

167 14.8 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: 0.364 ng/ul

RT: 16.72 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

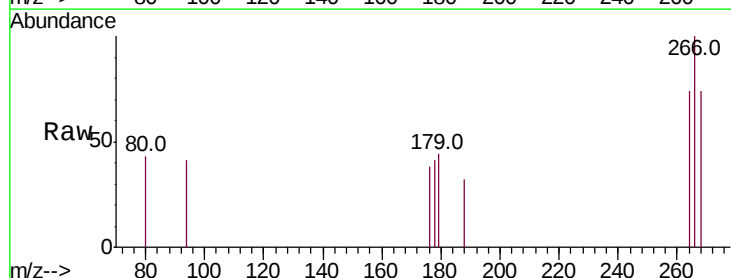
Tgt Ion:266 Resp: 504

Ion Ratio Lower Upper

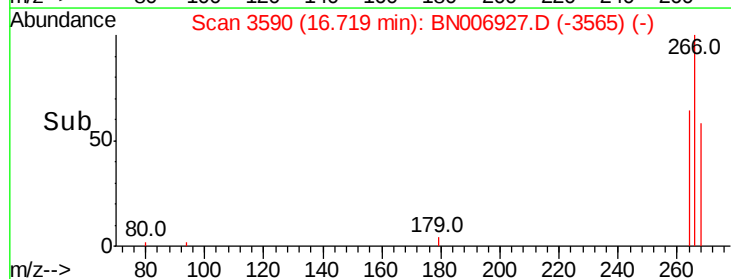
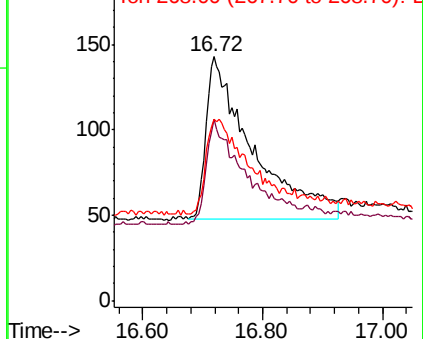
266 100

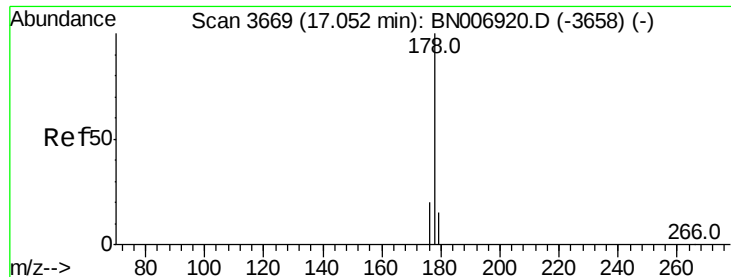
264 65.9 45.9 68.9

268 64.1 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: 0.371 ng/ul

RT: 17.06 min Scan# 3670

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

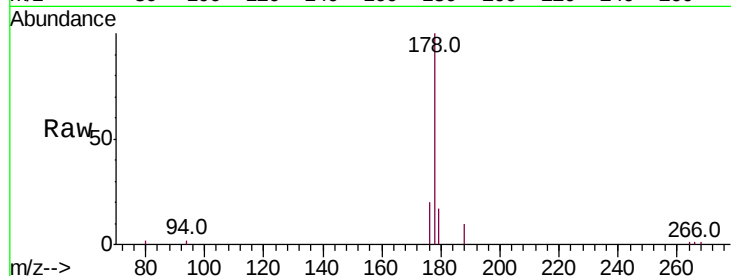
Tot Ion:178 Resp: 11096

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

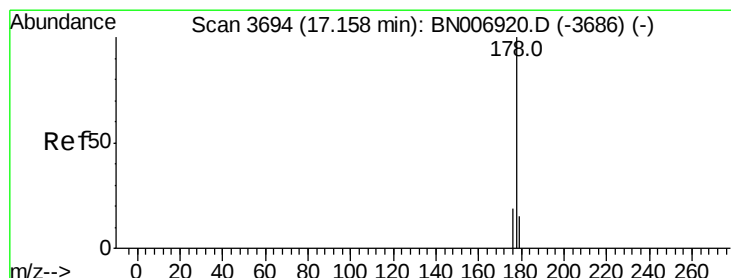
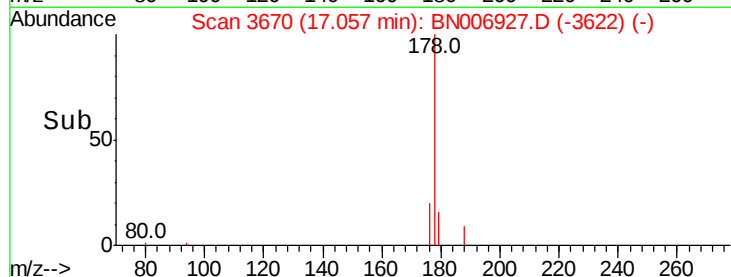
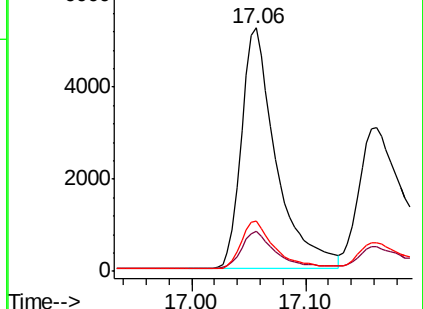
176 20.4 15.8 23.8



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: 0.323 ng/ul

RT: 17.16 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

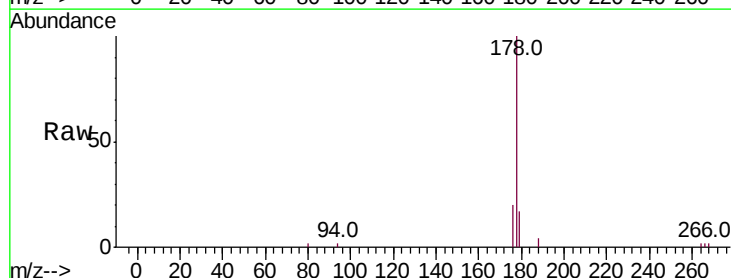
Tgt Ion:178 Resp: 8341

Ion Ratio Lower Upper

178 100

179 17.0 12.7 19.1

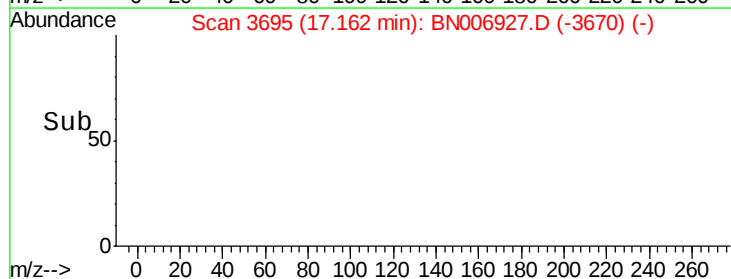
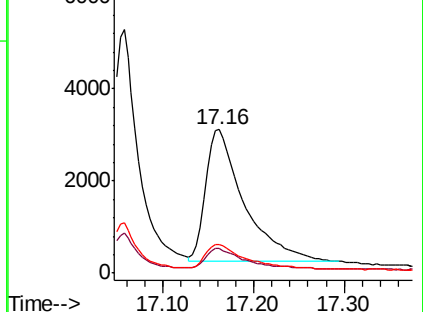
176 19.9 15.8 23.6

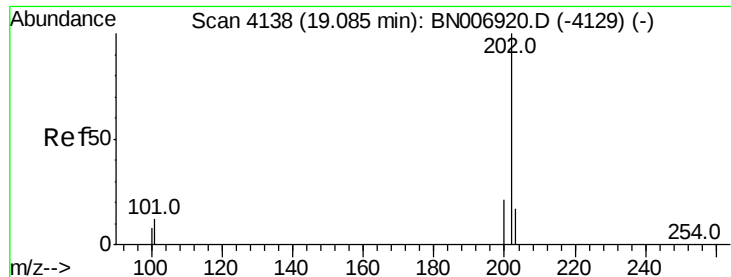


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.343 ng/ul

RT: 19.09 min Scan# 4139

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

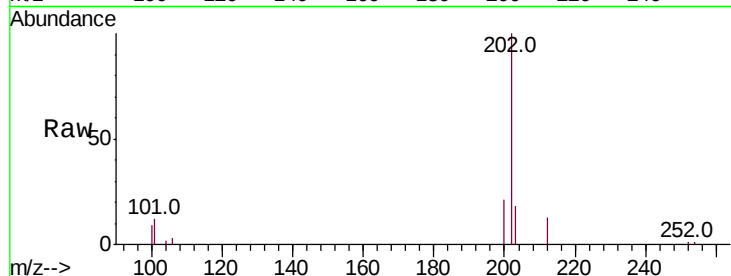
Tot Ion:202 Resp: 12663

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

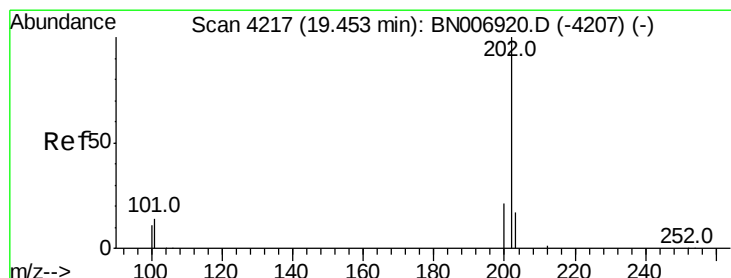
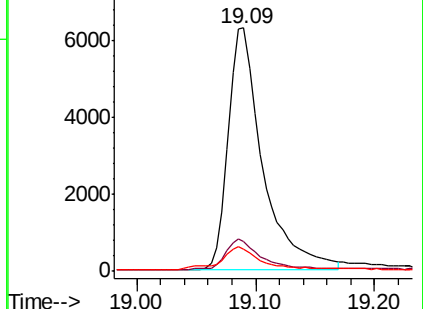
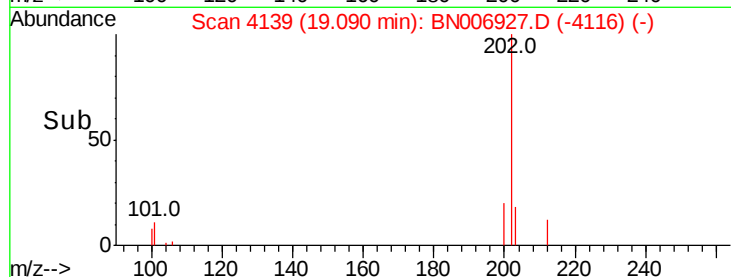
100 9.2 0.0 29.9



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: 0.413 ng/ul

RT: 19.46 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

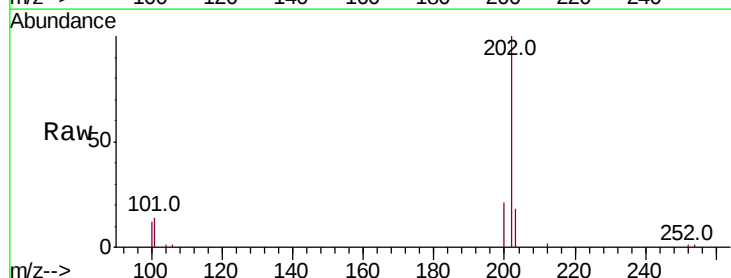
Tgt Ion:202 Resp: 13411

Ion Ratio Lower Upper

202 100

101 14.4 12.2 18.2

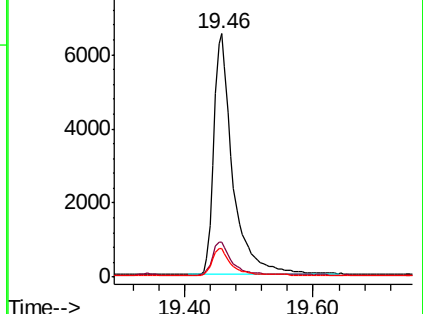
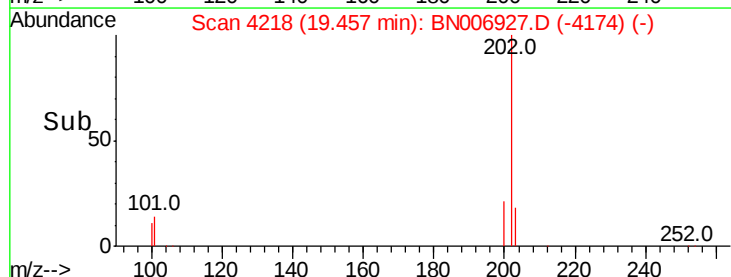
100 11.7 9.8 14.8

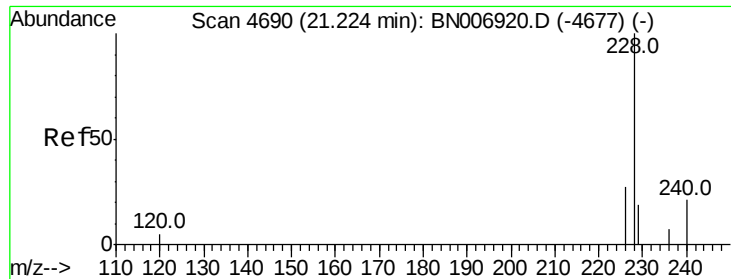


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.330 ng/ul

RT: 21.23 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

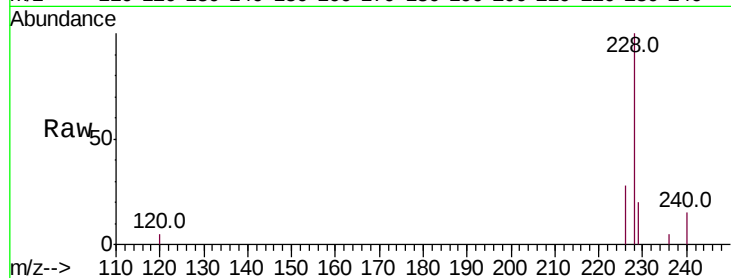
Tot Ion:228 Resp: 9634

Ion Ratio Lower Upper

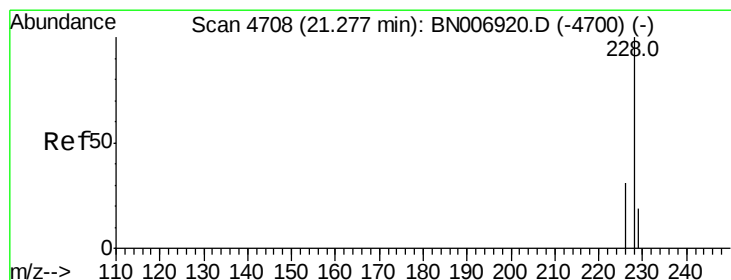
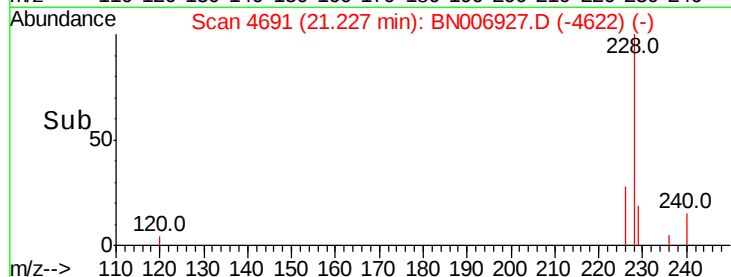
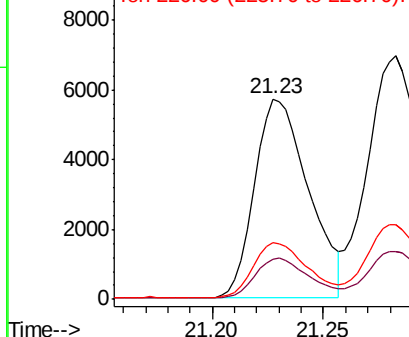
228 100

229 19.8 15.9 23.9

226 28.2 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: 0.432 ng/ul

RT: 21.28 min Scan# 4710

Delta R.T. 0.01 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

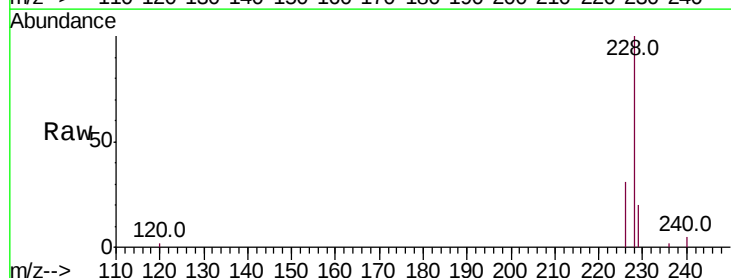
Tgt Ion:228 Resp: 14064

Ion Ratio Lower Upper

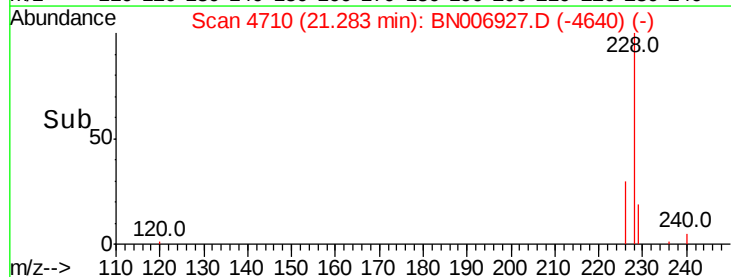
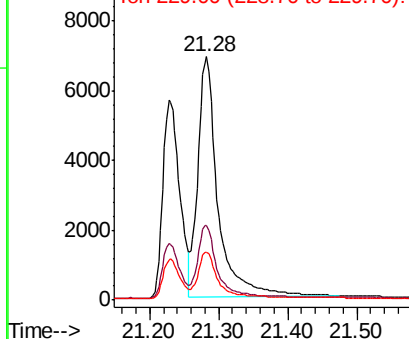
228 100

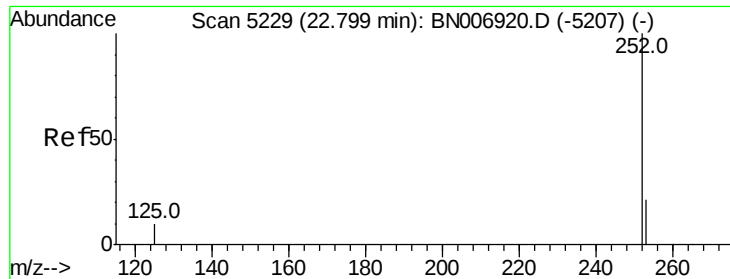
226 30.8 24.2 36.4

229 19.7 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: 0.373 ng/u1

RT: 22.81 min Scan# 5233

Delta R.T. 0.01 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

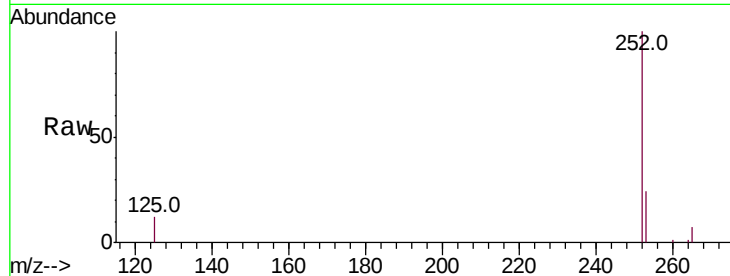
Tot Ion:252 Resp: 12245

Ion Ratio Lower Upper

252 100

253 23.8 0.0 47.8

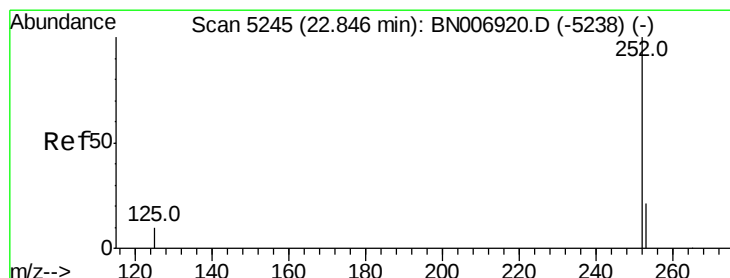
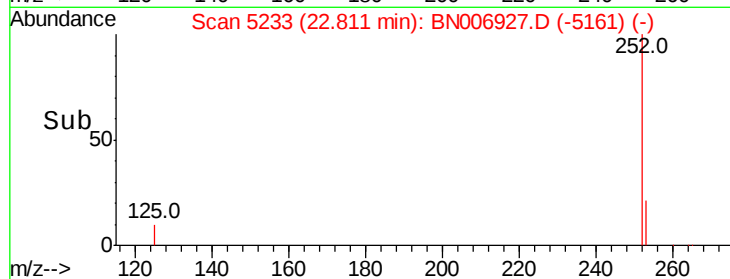
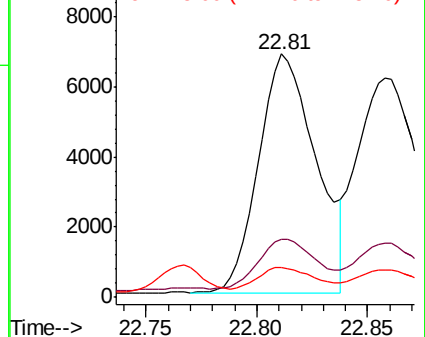
125 12.3 0.0 29.2



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: 0.403 ng/u1

RT: 22.86 min Scan# 5249

Delta R.T. 0.01 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

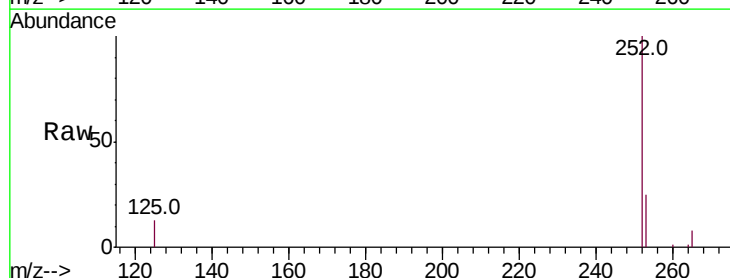
Tgt Ion:252 Resp: 13821

Ion Ratio Lower Upper

252 100

253 24.6 19.2 28.8

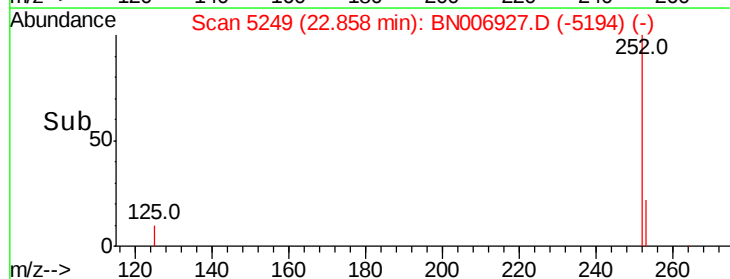
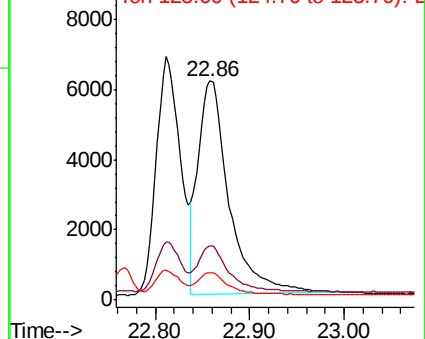
125 12.5 11.0 16.6

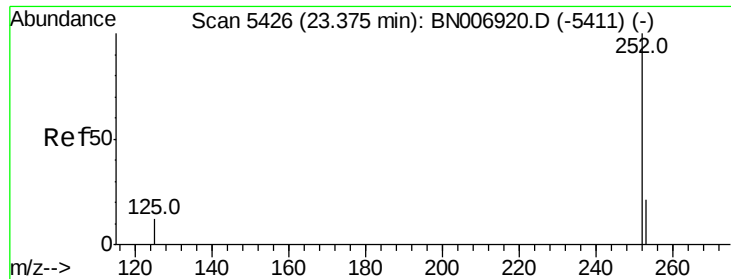


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.383 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. 0.01 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

Instrument :

BNA_N

ClientSampleId :

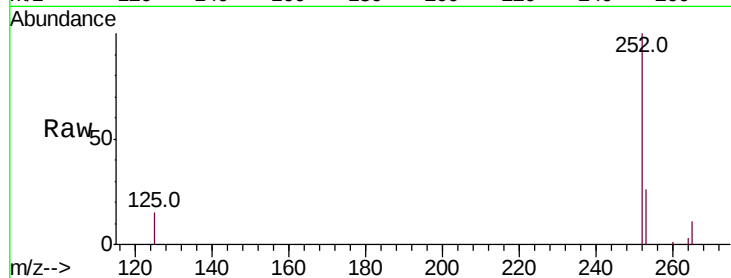
Tot Ion:252 Resp: 12303

Ion Ratio Lower Upper

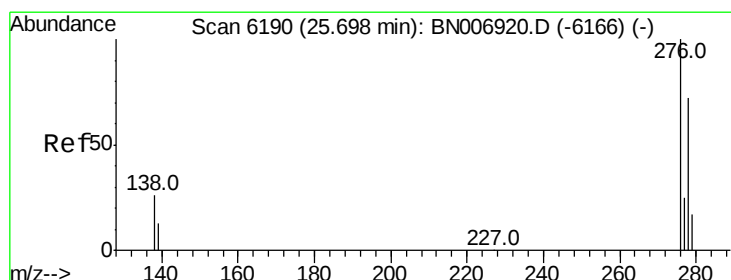
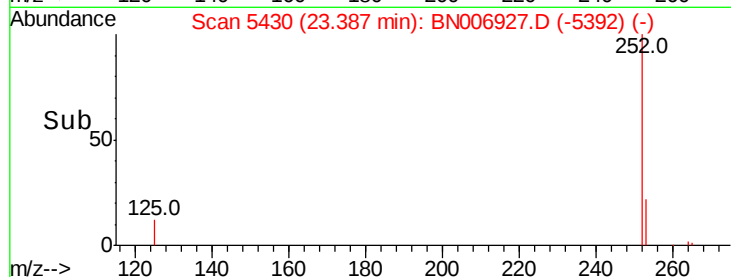
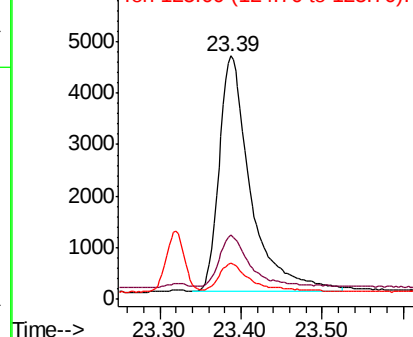
252 100

253 26.4 19.4 29.2

125 14.6 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: 0.440 ng/ul

RT: 25.71 min Scan# 6195

Delta R.T. 0.02 min

Lab File: BN006927.D

Acq: 19 Jul 2019 16:53

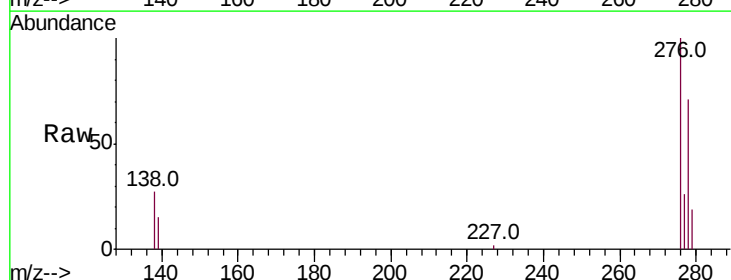
Tgt Ion:276 Resp: 14315

Ion Ratio Lower Upper

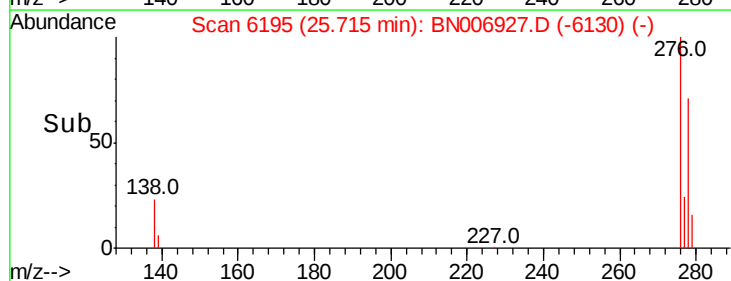
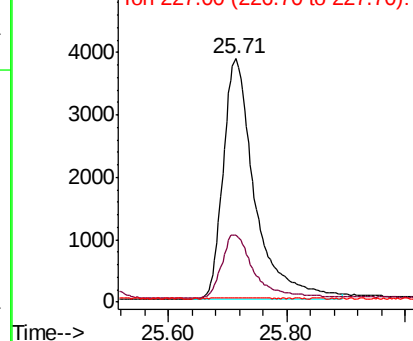
276 100

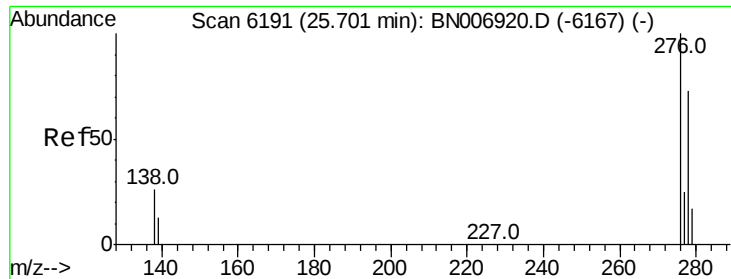
138 27.1 24.3 36.5

227 0.3 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

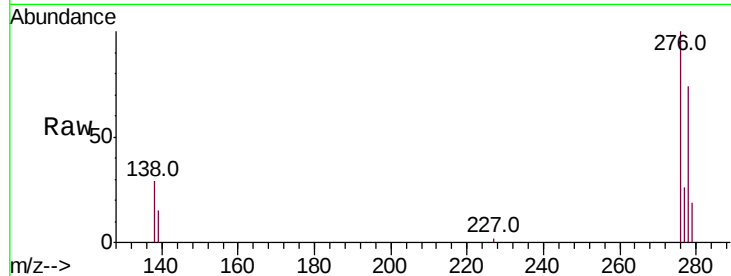




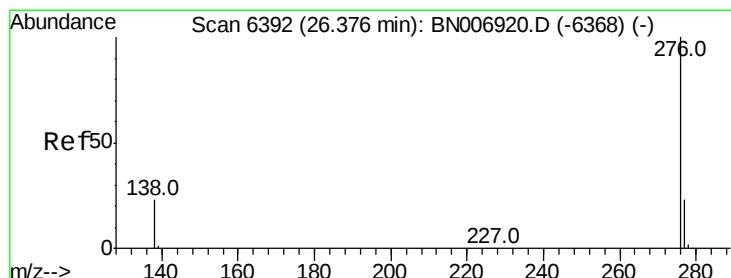
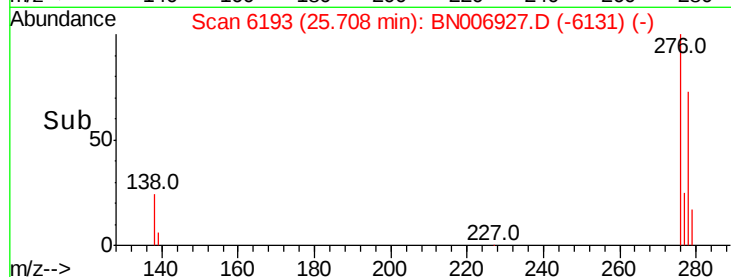
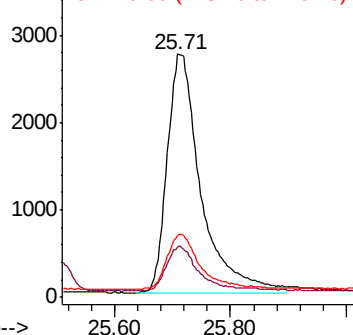
#25
Dibenzo(a,h)anthracene
Concen: 0.429 ng/ul
RT: 25.71 min Scan# 6193
Delta R.T. 0.01 min
Lab File: BN006927.D
Acq: 19 Jul 2019 16:53

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 11103
Ion Ratio Lower Upper
278 100
139 20.5 18.1 27.1
279 25.5 19.8 29.6

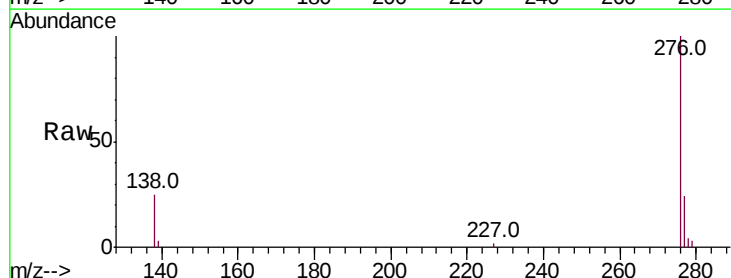


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.468 ng/ul
RT: 26.40 min Scan# 6398
Delta R.T. 0.02 min
Lab File: BN006927.D
Acq: 19 Jul 2019 16:53

Tgt Ion:276 Resp: 12722
Ion Ratio Lower Upper
276 100
138 25.0 22.2 33.2
277 24.5 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

