

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
 Data File : BN008149.D
 Acq On : 15 Oct 2019 00:00
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 03:03:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 17:19:29 2019
 Response via : Initial Calibration

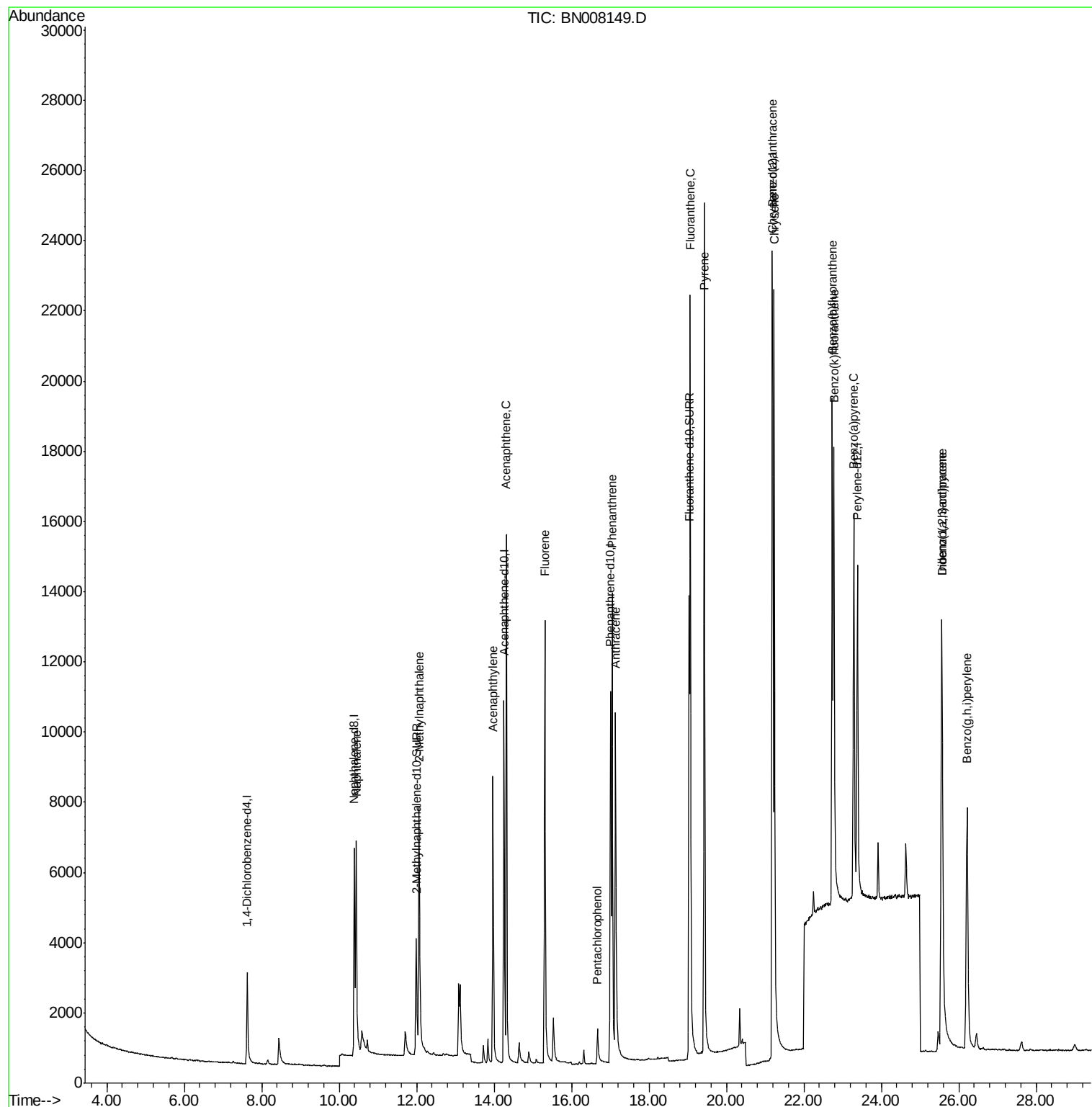
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1878	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	9704	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	6456	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	15769	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	15273	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	12671	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	6236	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	19084	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	10109	0.366	ng/ul	100
5) 2-Methylnaphthalene	12.06	142	7179	0.379	ng/ul	100
7) Acenaphthylene	13.97	152	11123	0.362	ng/ul	100
8) Acenaphthene	14.32	153	9750	0.408	ng/ul	99
9) Fluorene	15.31	166	9987	0.368	ng/ul	98
11) Pentachlorophenol	16.67	266	1212	0.318	ng/ul	100
12) Phenanthrene	17.05	178	16510	0.358	ng/ul	99
13) Anthracene	17.14	178	14541	0.358	ng/ul	100
15) Fluoranthene	19.06	202	20997	0.344	ng/ul	98
17) Pyrene	19.43	202	24194	0.398	ng/ul	99
18) Benzo(a)anthracene	21.18	228	19649	0.354	ng/ul	99
19) Chrysene	21.24	228	23709	0.348	ng/ul	100
21) Benzo(b)fluoranthene	22.73	252	18273	0.443	ng/ul	97
22) Benzo(k)fluoranthene	22.78	252	20379	0.436	ng/ul	100
23) Benzo(a)pyrene	23.29	252	17650	0.407	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.56	276	17952	0.351	ng/ul	98
25) Dibenzo(a,h)anthracene	25.57	278	14295	0.354	ng/ul	100
26) Benzo(g,h,i)perylene	26.21	276	15848	0.338	ng/ul	98

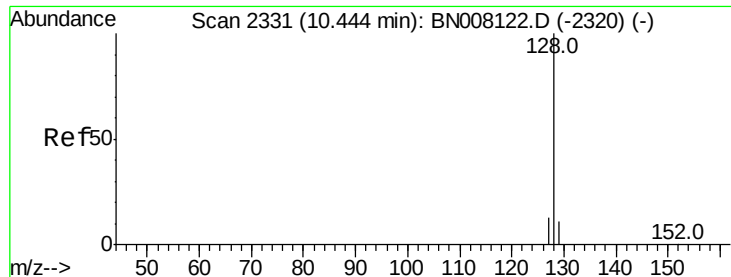
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.366 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

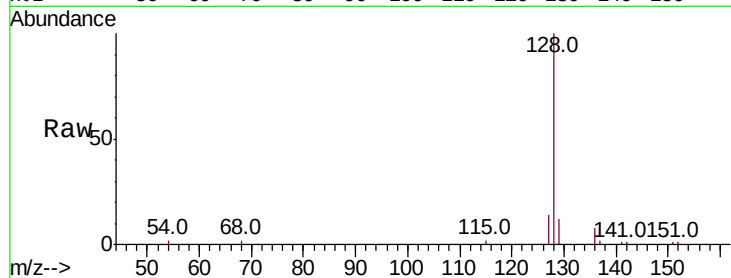
Tot Ion:128 Resp: 10109

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

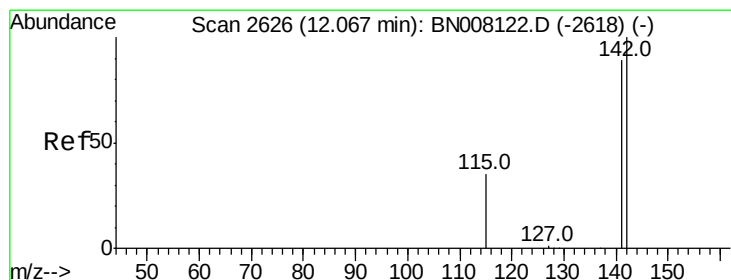
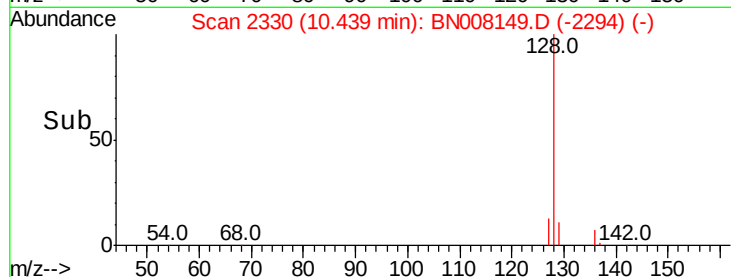
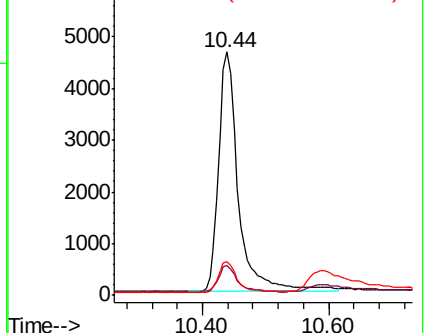
127 14.0 11.1 16.7



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: 0.379 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN008149.D

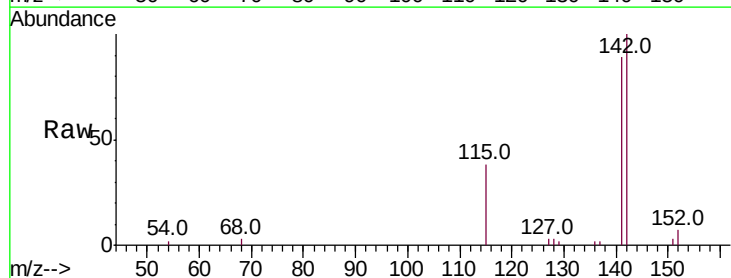
Acq: 15 Oct 2019 00:00

Tgt Ion:142 Resp: 7179

Ion Ratio Lower Upper

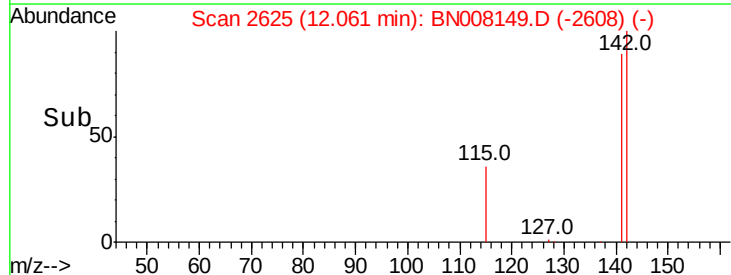
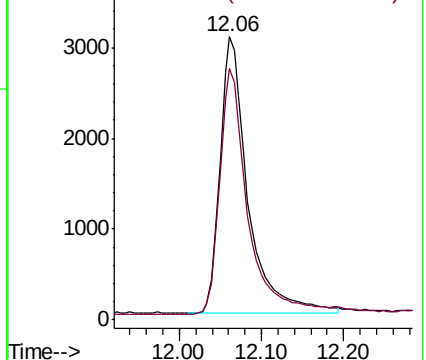
142 100

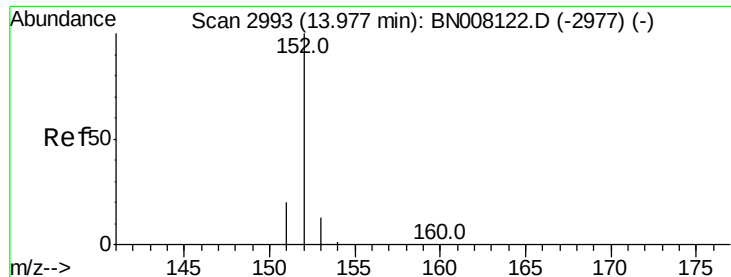
141 89.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.362 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

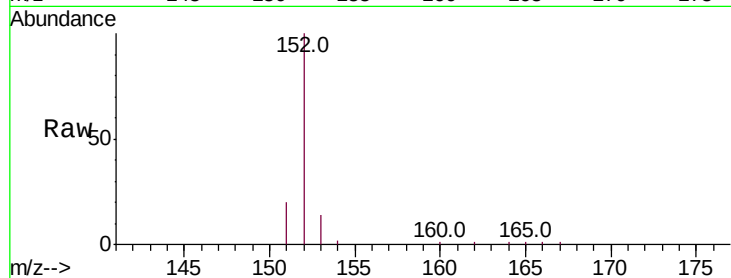
Tot Ion:152 Resp: 11123

Ion Ratio Lower Upper

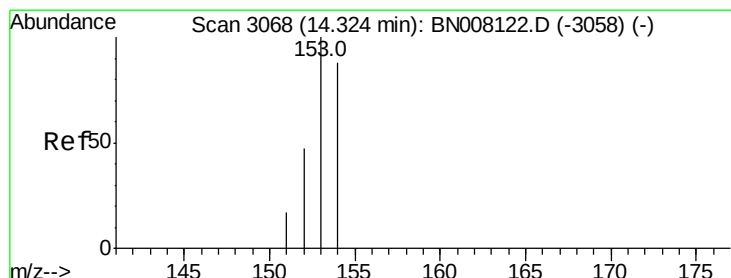
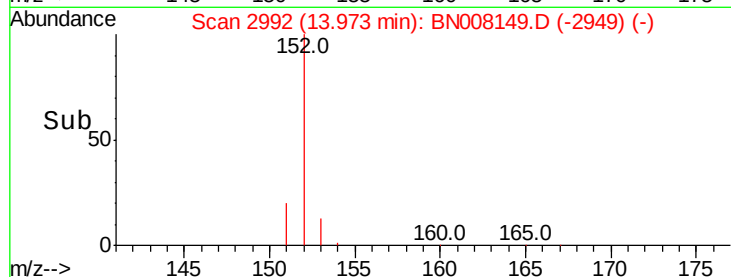
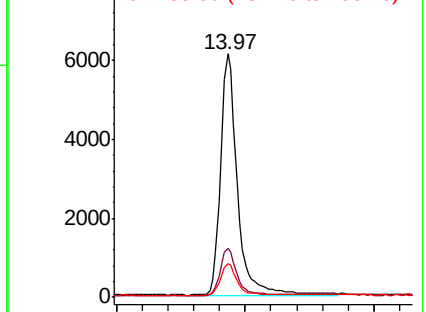
152 100

151 20.3 16.2 24.4

153 14.0 11.0 16.4



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: 0.408 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

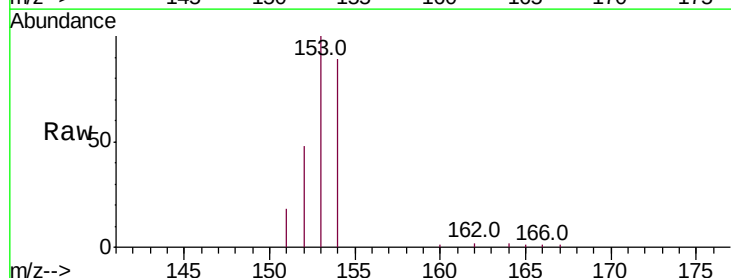
Tgt Ion:153 Resp: 9750

Ion Ratio Lower Upper

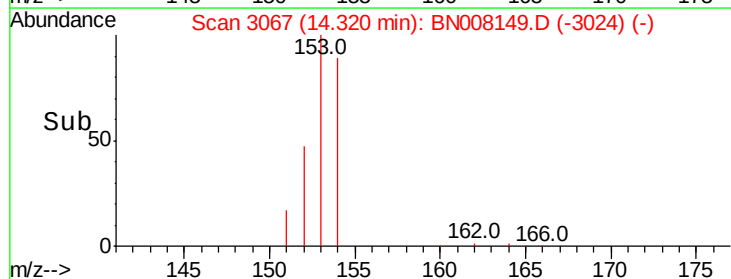
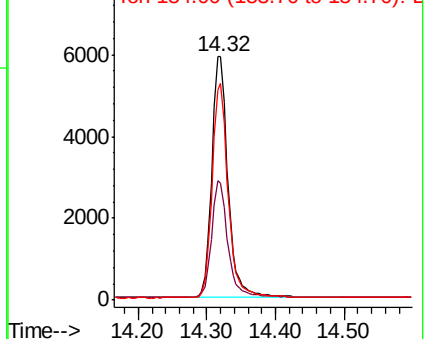
153 100

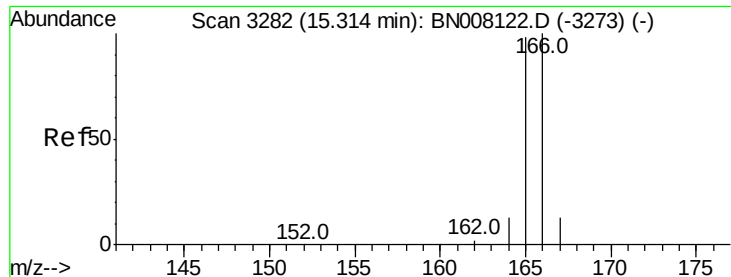
152 48.0 38.2 57.2

154 88.9 71.8 107.8



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





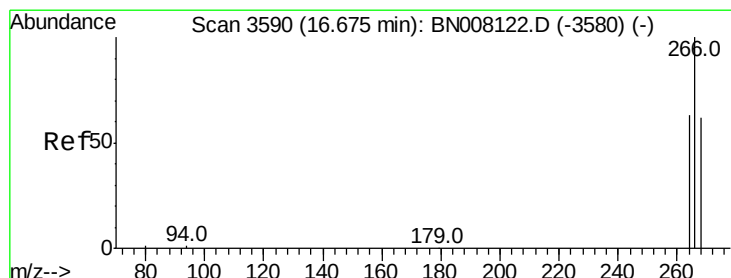
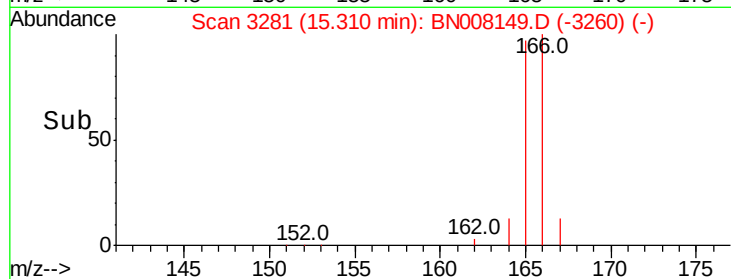
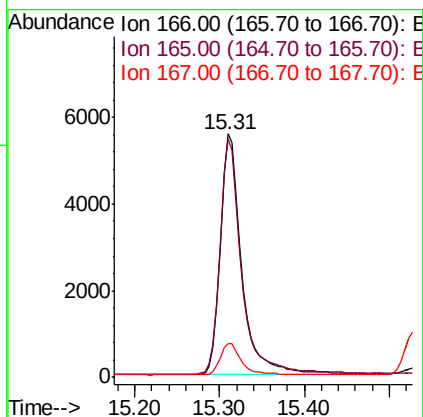
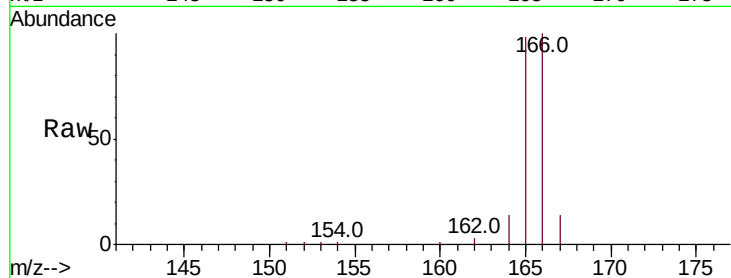
#9

Fluorene

Concen: 0.368 ng/ul
 RT: 15.31 min Scan# 3281
 Delta R.T. -0.00 min
 Lab File: BN008149.D
 Acq: 15 Oct 2019 00:00

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 9987
 Ion Ratio Lower Upper
 166 100
 165 97.8 76.6 115.0
 167 14.0 11.7 17.5

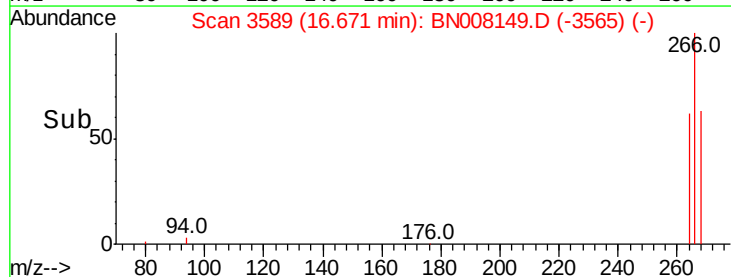
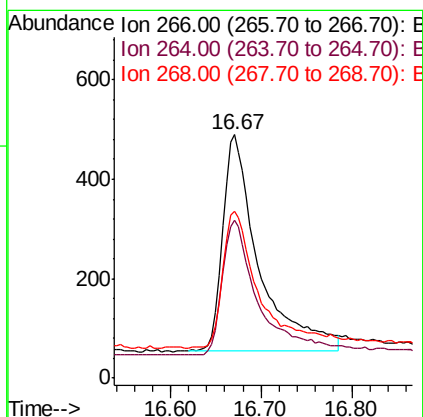
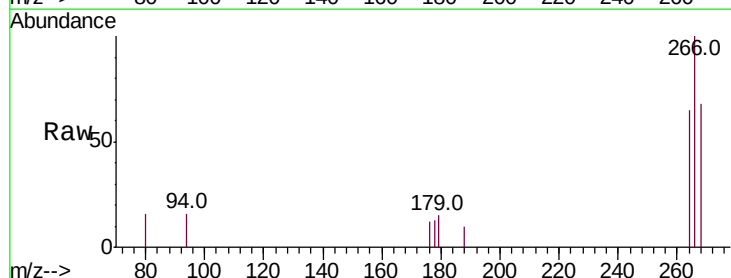


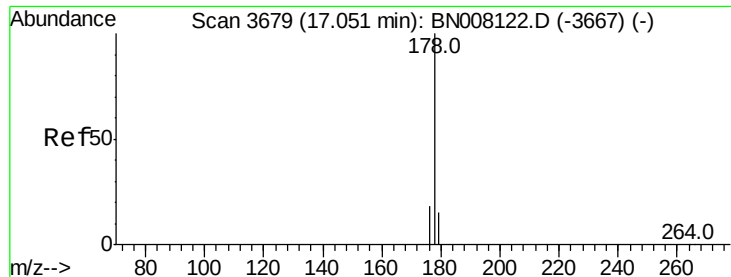
#11

Pentachlorophenol

Concen: 0.318 ng/ul
 RT: 16.67 min Scan# 3589
 Delta R.T. -0.00 min
 Lab File: BN008149.D
 Acq: 15 Oct 2019 00:00

Tgt Ion:266 Resp: 1212
 Ion Ratio Lower Upper
 266 100
 264 62.4 50.1 75.1
 268 64.4 51.9 77.9





#12

Phenanthrene

Concen: 0.358 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

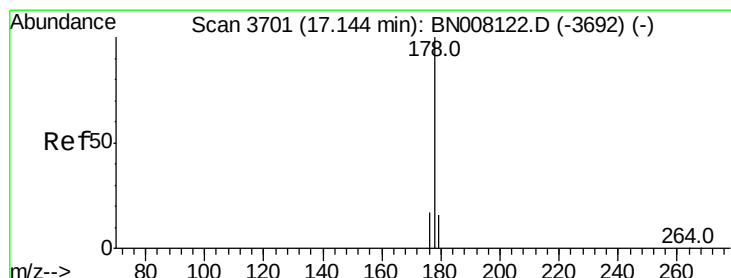
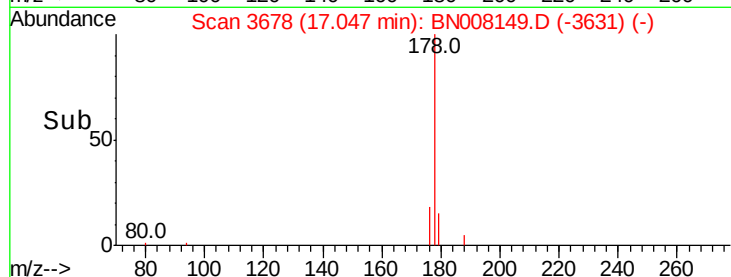
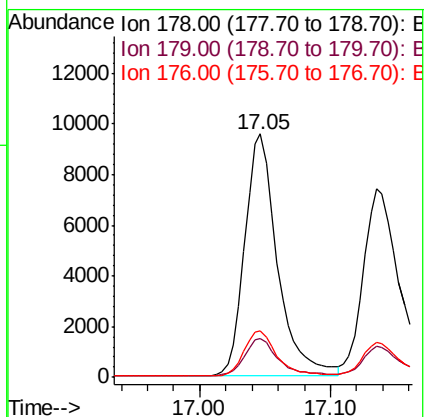
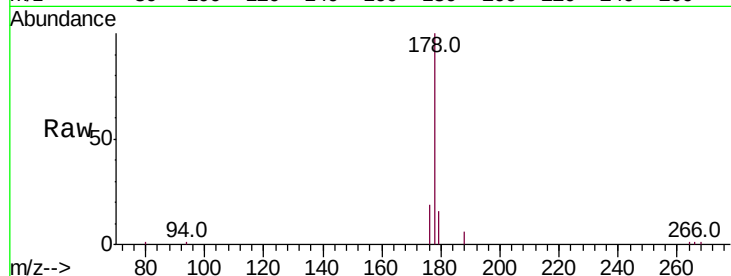
Tot Ion:178 Resp: 16510

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 0.358 ng/ul

RT: 17.14 min Scan# 3699

Delta R.T. -0.00 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

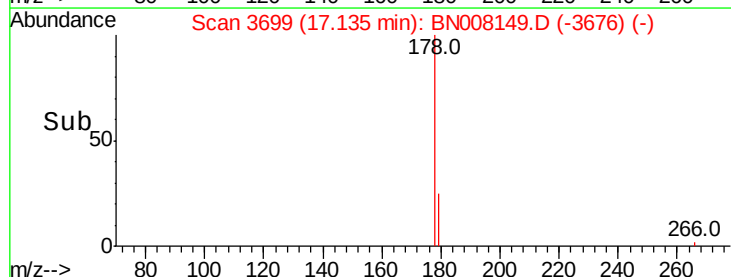
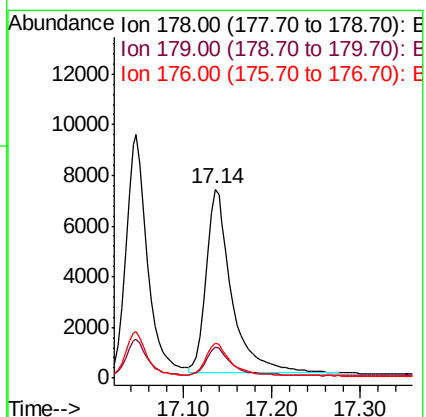
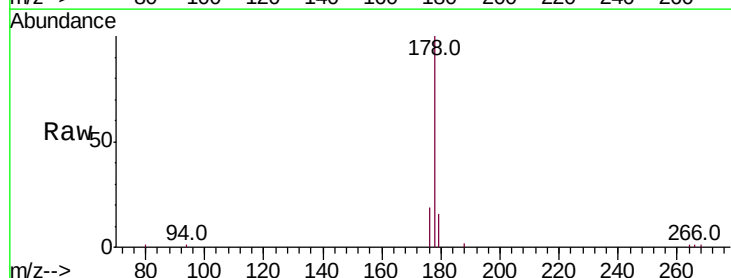
Tgt Ion:178 Resp: 14541

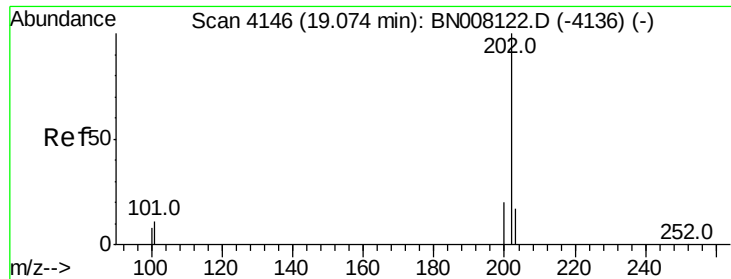
Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.6

176 18.7 15.0 22.6

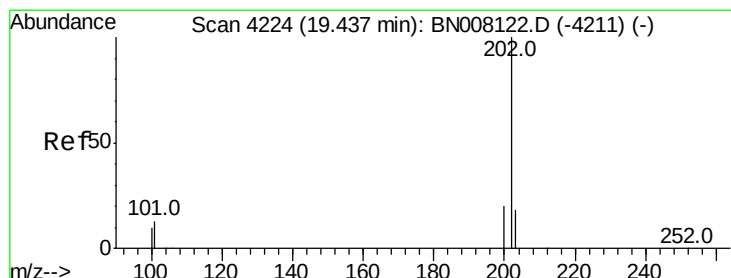
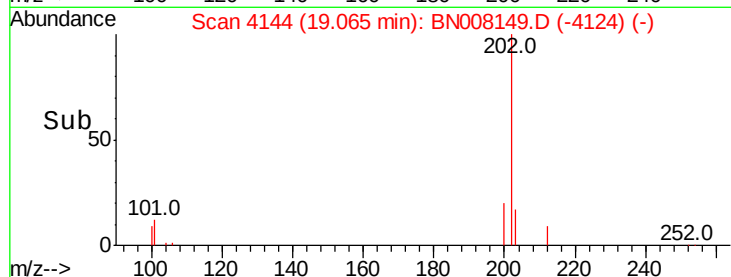
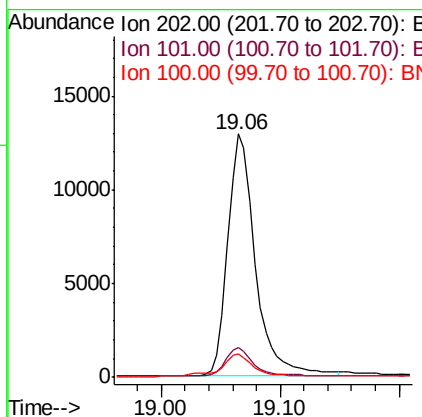
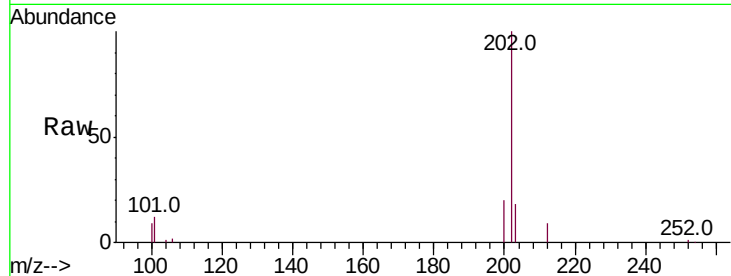




#15
Fluoranthene
Concen: 0.344 ng/ul
RT: 19.06 min Scan# 4144
Delta R.T. -0.00 min
Lab File: BN008149.D
Acq: 15 Oct 2019 00:00

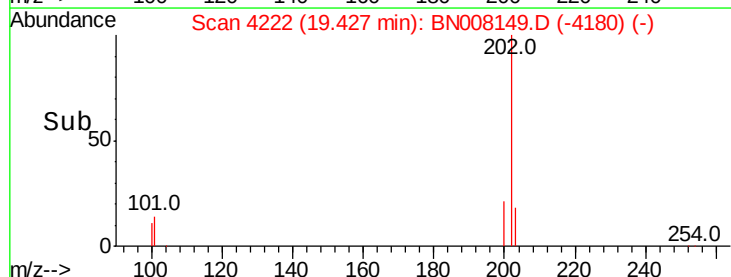
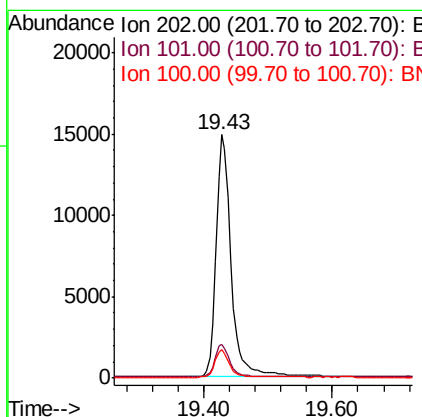
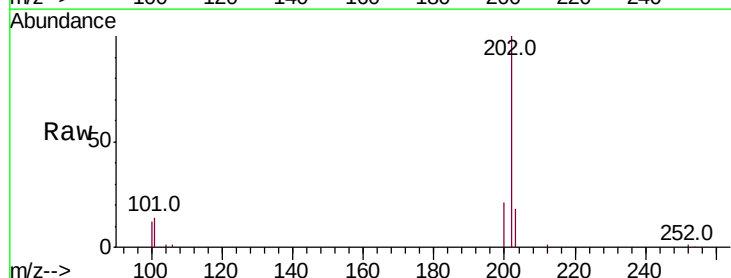
Instrument :
BNA_N
ClientSampleId :

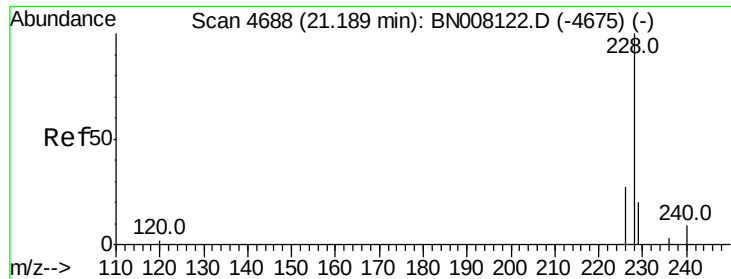
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.2
100	9.4	0.0	28.5



#17
Pyrene
Concen: 0.398 ng/ul
RT: 19.43 min Scan# 4222
Delta R.T. -0.00 min
Lab File: BN008149.D
Acq: 15 Oct 2019 00:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.5	8.7	13.1





#18

Benzo(a)anthracene

Concen: 0.354 ng/ul

RT: 21.18 min Scan# 4686

Delta R.T. -0.01 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

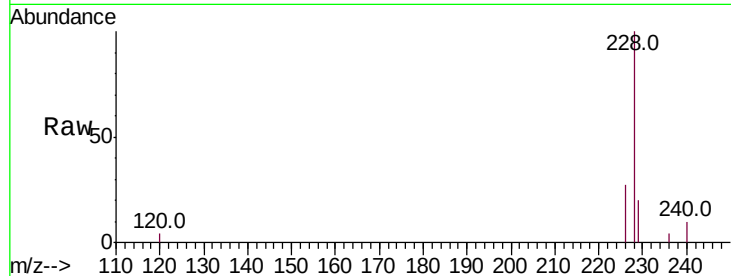
Tot Ion:228 Resp: 19649

Ion Ratio Lower Upper

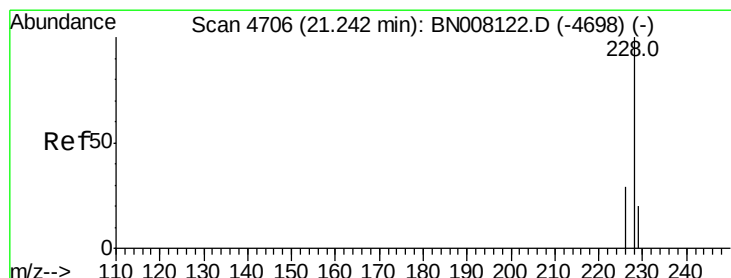
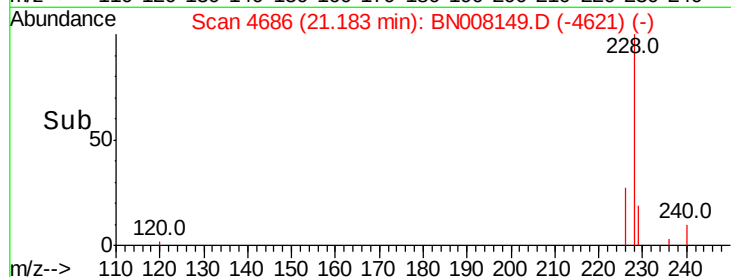
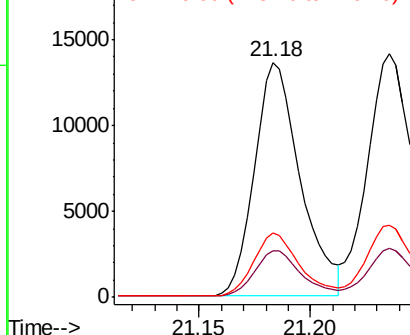
228 100

229 19.8 16.2 24.2

226 27.2 21.4 32.0



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: 0.348 ng/ul

RT: 21.24 min Scan# 4704

Delta R.T. -0.01 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

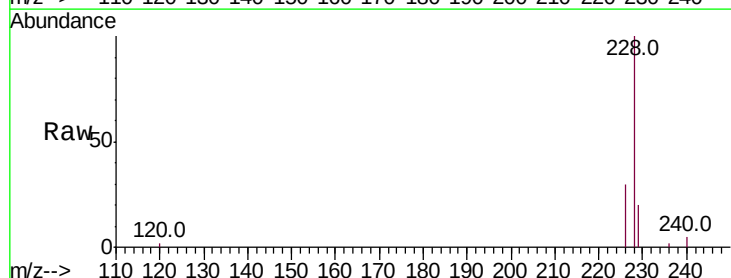
Tgt Ion:228 Resp: 23709

Ion Ratio Lower Upper

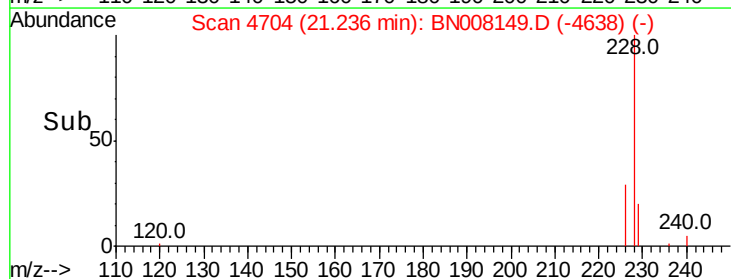
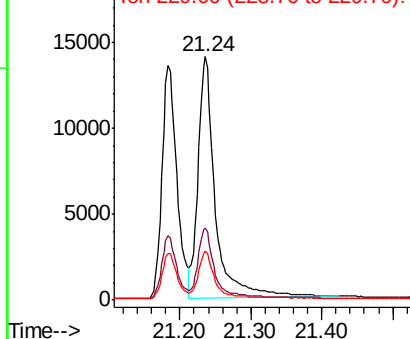
228 100

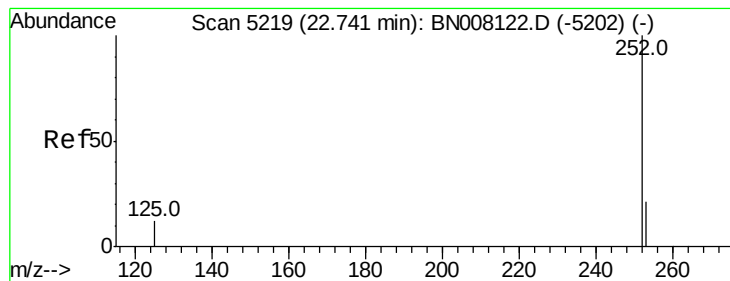
226 29.8 24.1 36.1

229 20.1 16.2 24.2



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: 0.443 ng/ul

RT: 22.73 min Scan# 5217

Delta R.T. -0.01 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

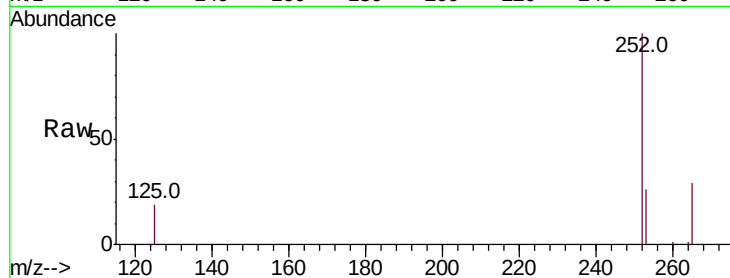
Tot Ion:252 Resp: 18273

Ion Ratio Lower Upper

252 100

253 26.3 0.0 53.4

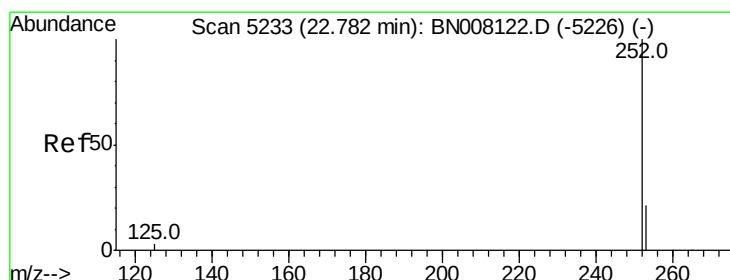
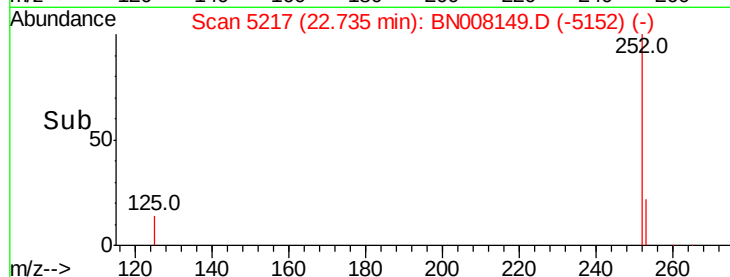
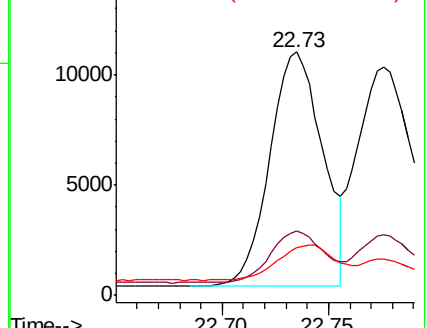
125 19.4 0.0 32.4



Abundance Ion 252.00 (251.70 to 252.70): E

15000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.436 ng/ul

RT: 22.78 min Scan# 5231

Delta R.T. -0.01 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

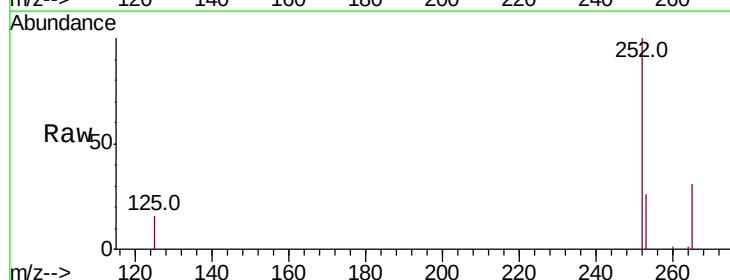
Tgt Ion:252 Resp: 20379

Ion Ratio Lower Upper

252 100

253 26.4 21.3 31.9

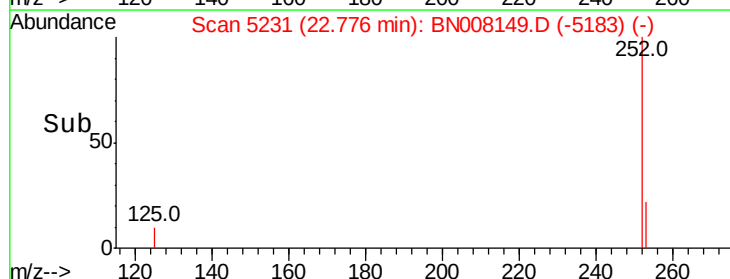
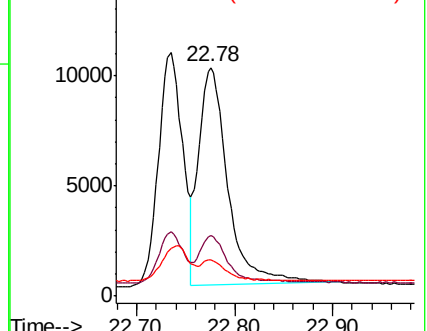
125 15.7 12.3 18.5

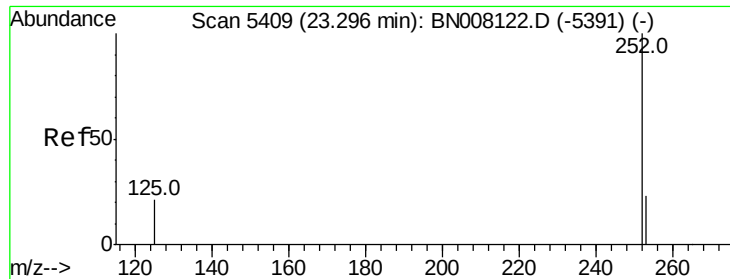


Abundance Ion 252.00 (251.70 to 252.70): E

15000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.407 ng/ul

RT: 23.29 min Scan# 5407

Delta R.T. -0.01 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

Instrument :

BNA_N

ClientSampleId :

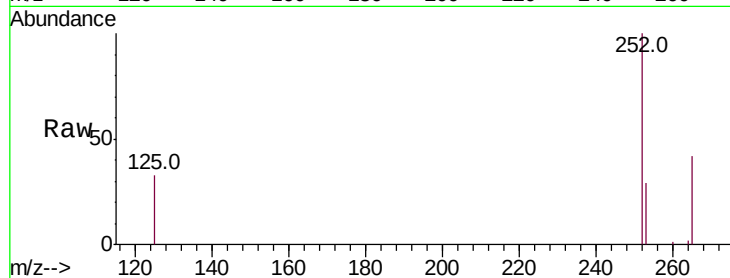
Tot Ion:252 Resp: 17650

Ion Ratio Lower Upper

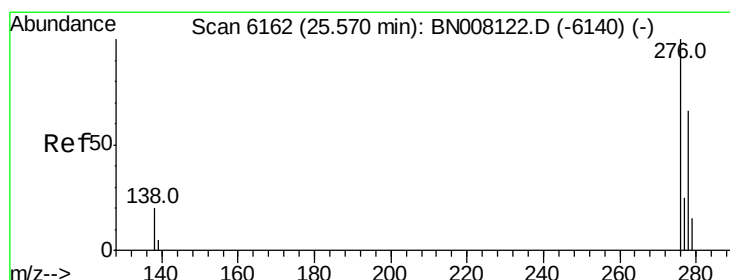
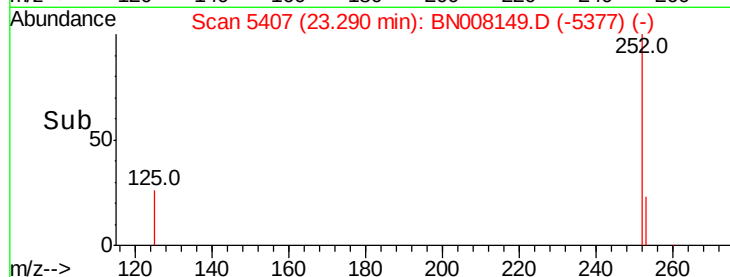
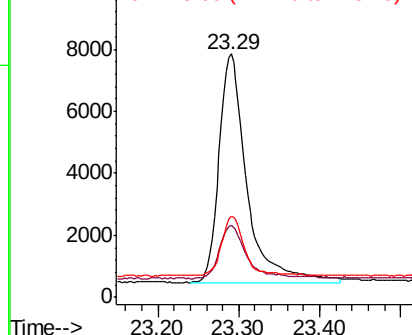
252 100

253 29.4 22.8 34.2

125 33.1 18.4 27.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.351 ng/ul

RT: 25.56 min Scan# 6158

Delta R.T. -0.02 min

Lab File: BN008149.D

Acq: 15 Oct 2019 00:00

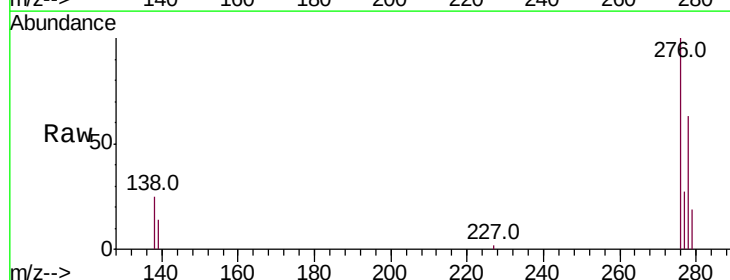
Tgt Ion:276 Resp: 17952

Ion Ratio Lower Upper

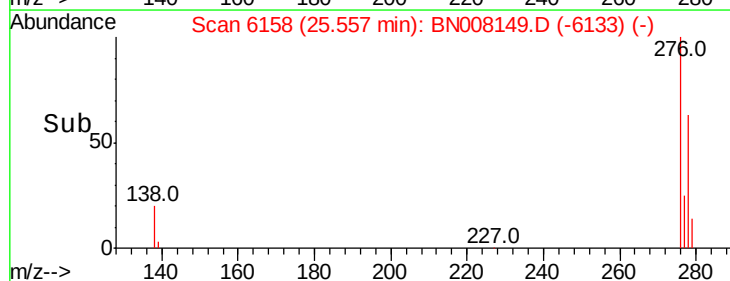
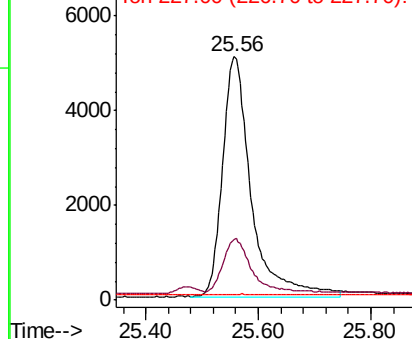
276 100

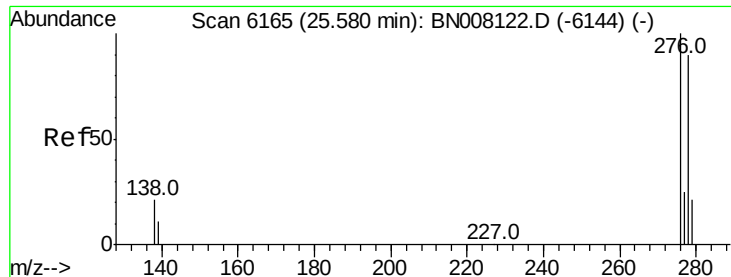
138 20.9 16.1 24.1

227 0.2 0.2 0.2



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



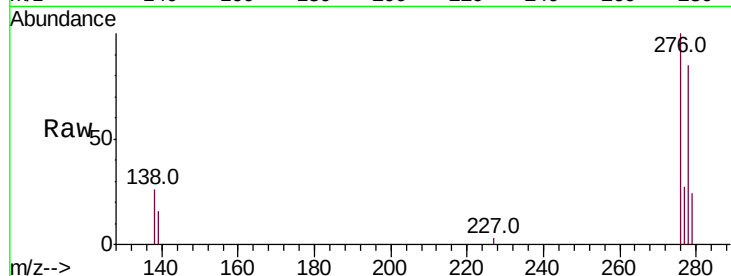


#25
Dibenzo(a,h)anthracene
Concen: 0.354 ng/ul
RT: 25.57 min Scan# 6161
Delta R.T. -0.02 min
Lab File: BN008149.D
Acq: 15 Oct 2019 00:00

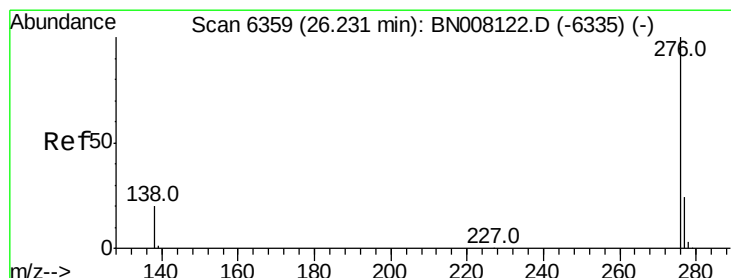
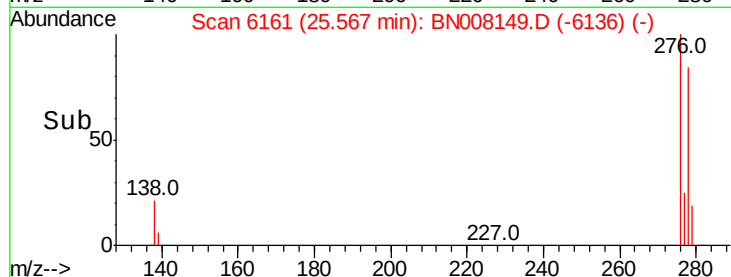
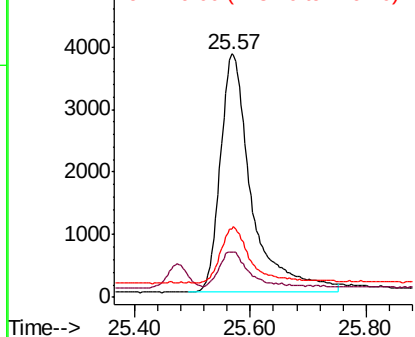
Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 14295

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.0	22.6
279	28.2	22.4	33.6



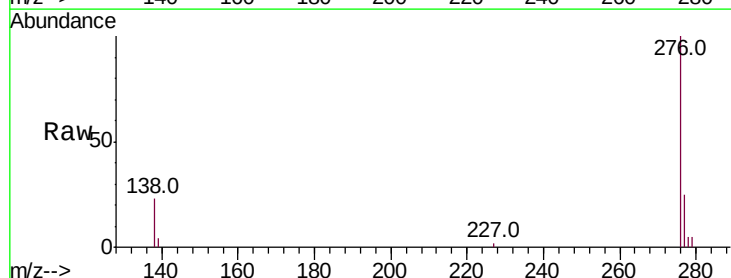
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.338 ng/ul
RT: 26.21 min Scan# 6354
Delta R.T. -0.02 min
Lab File: BN008149.D
Acq: 15 Oct 2019 00:00

Tgt Ion:276 Resp: 15848

Ion	Ratio	Lower	Upper
276	100		
138	22.7	17.0	25.4
277	25.4	20.4	30.6



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

