

Data File : BN009082.D
Acq On : 21 Dec 2019 00:01
Operator : JU
Sample : SSTDC00.4EC
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.418

Quant Time: Dec 21 00:43:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 23:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3751	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14234	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.16	164	7845	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	15315	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	8552	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	7866	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	9444	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	16439	0.36	ng/ul	0.00

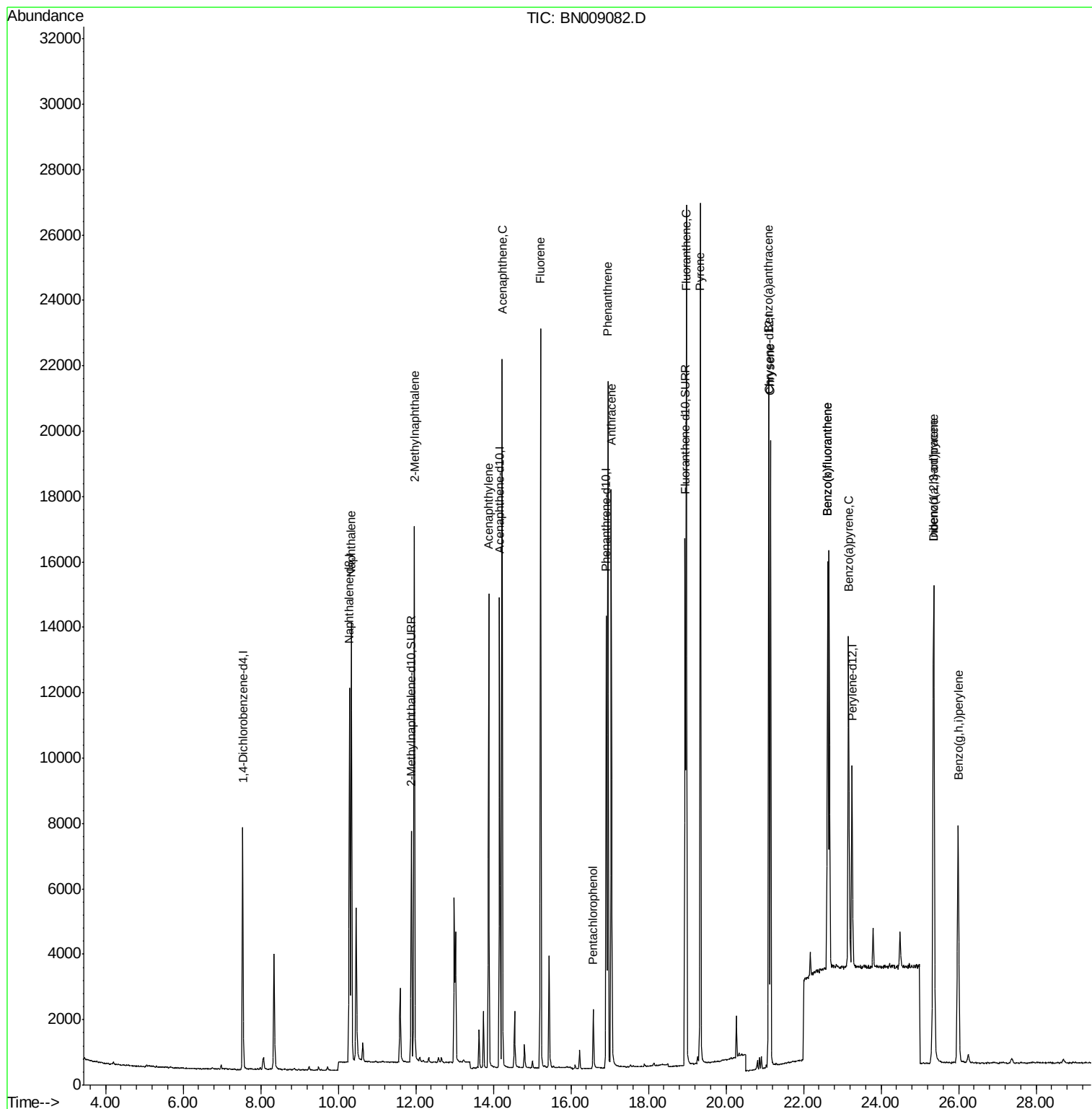
Target Compounds				Qvalue		
3) Naphthalene	10.34	128	17718	0.410	ng/ul	99
5) 2-Methylnaphthalene	11.96	142	12246	0.375	ng/ul	100
7) Acenaphthylene	13.88	152	16543	0.402	ng/ul	99
8) Acenaphthene	14.23	153	12595	0.389	ng/ul	99
9) Fluorene	15.22	166	14105	0.369	ng/ul	99
11) Pentachlorophenol	16.57	266	1391	0.341	ng/ul	99
12) Phenanthrene	16.95	178	21818	0.410	ng/ul	100
13) Anthracene	17.04	178	19698	0.412	ng/ul	100
15) Fluoranthene	18.98	202	22123	0.363	ng/ul	99
17) Pyrene	19.34	202	21462	0.492	ng/ul	97
18) Benzo(a)anthracene	21.10	228	16474	0.434	ng/ul	99
19) Chrysene	21.15	228	16207	0.425	ng/ul	99
21) Benzo(b)fluoranthene	22.62	252	14497	0.395	ng/ul	98
22) Benzo(k)fluoranthene	22.62	252	14497	0.391	ng/ul	99
23) Benzo(a)pyrene	23.16	252	13821	0.429	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.35	276	15831	0.452	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.36	278	12705	0.455	ng/ul	98
26) Benzo(g,h,i)perylene	25.99	276	13548	0.459	ng/ul	99

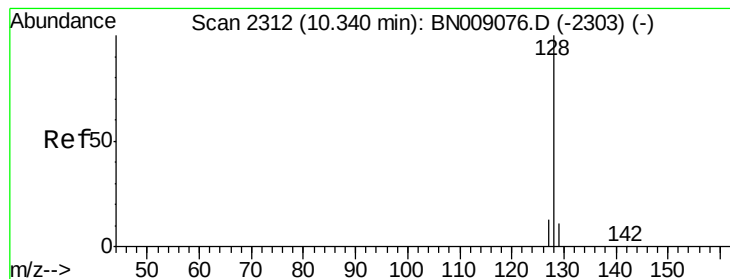
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.410 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. 0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

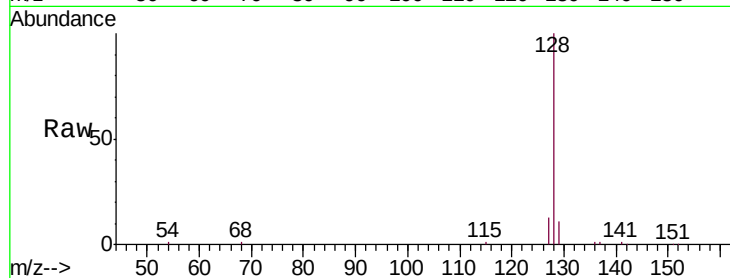
Tgt Ion:128 Resp: 17718

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

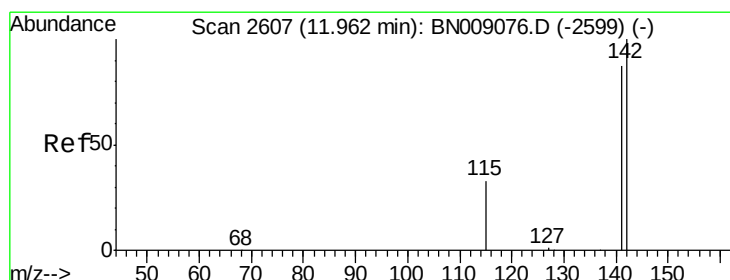
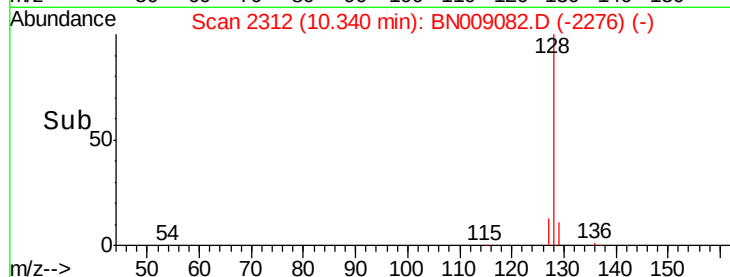
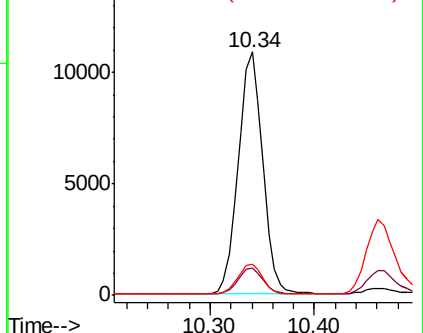
127 13.0 10.9 16.3



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: 0.375 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. 0.00 min

Lab File: BN009082.D

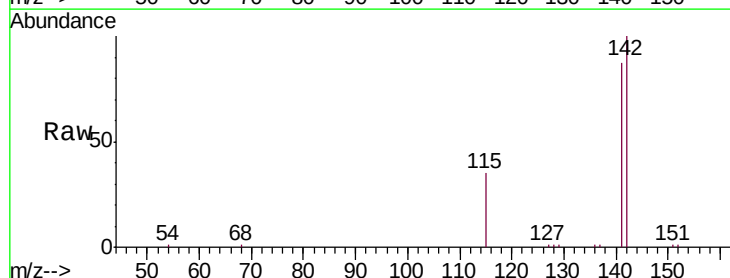
Acq: 21 Dec 2019 00:01

Tgt Ion:142 Resp: 12246

Ion Ratio Lower Upper

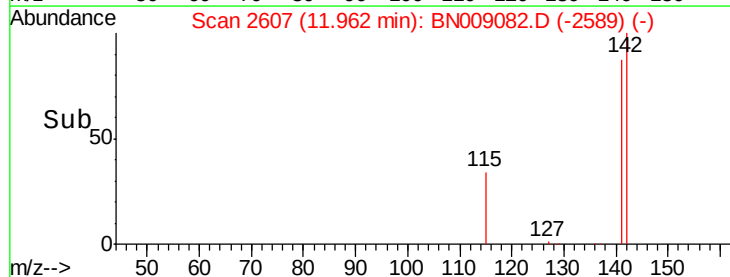
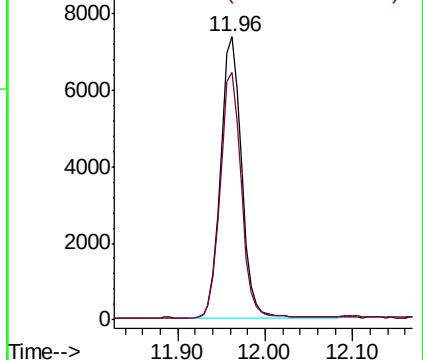
142 100

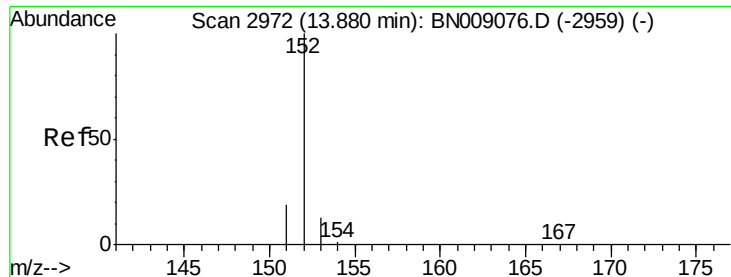
141 87.8 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.402 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

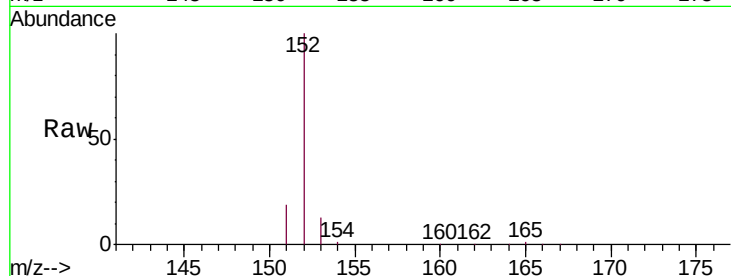
Tgt Ion:152 Resp: 16543

Ion Ratio Lower Upper

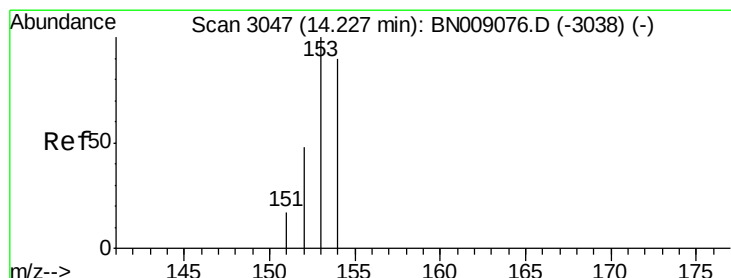
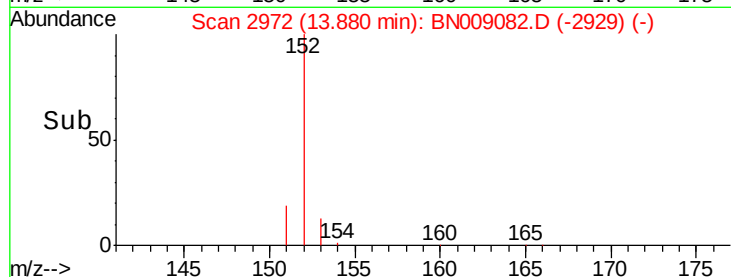
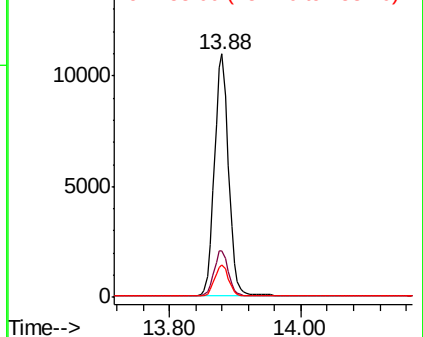
152 100

151 19.3 15.7 23.5

153 13.2 10.8 16.2



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: 0.389 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. 0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

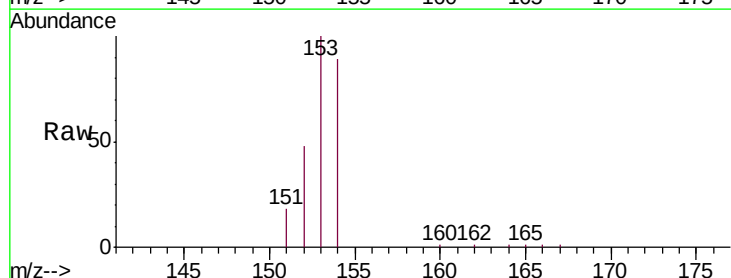
Tgt Ion:153 Resp: 12595

Ion Ratio Lower Upper

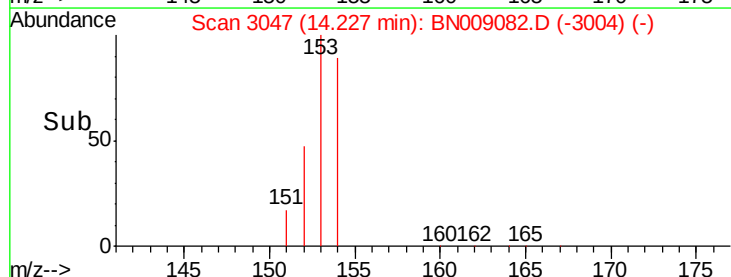
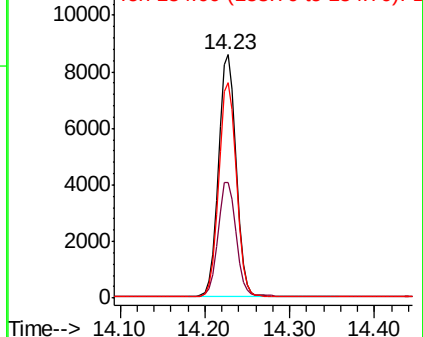
153 100

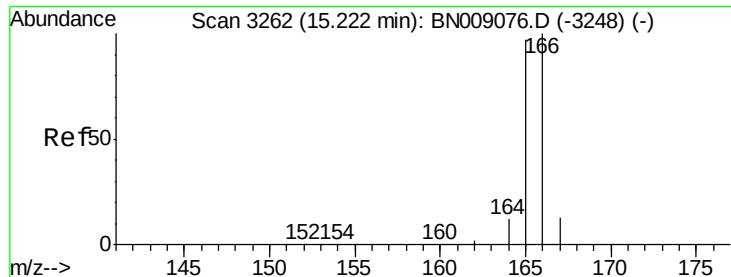
152 47.5 39.5 59.3

154 88.6 71.3 106.9



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: 0.369 ng/ul

RT: 15.22 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

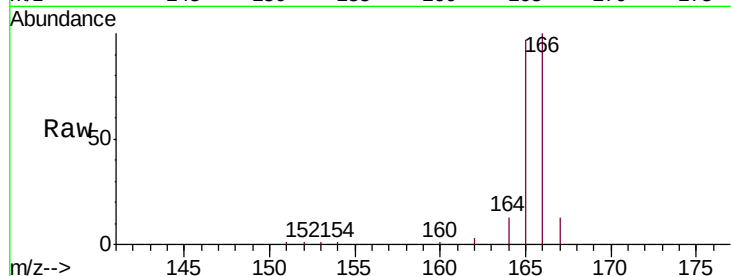
Tgt Ion:166 Resp: 14105

Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.4

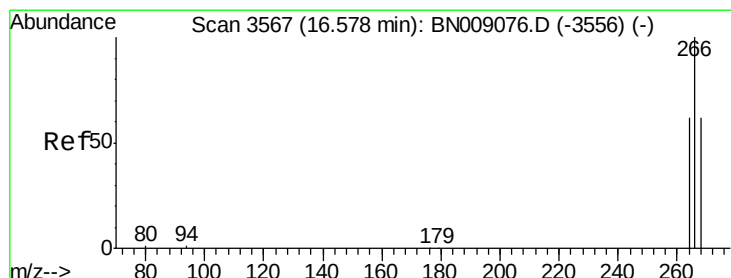
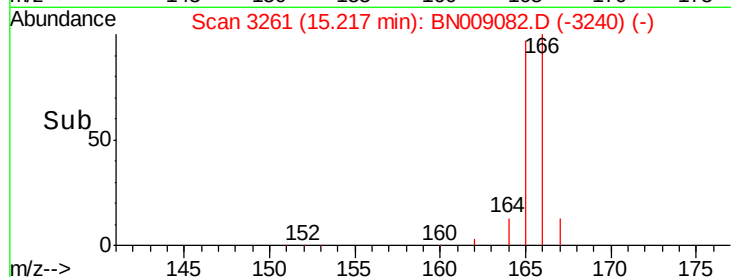
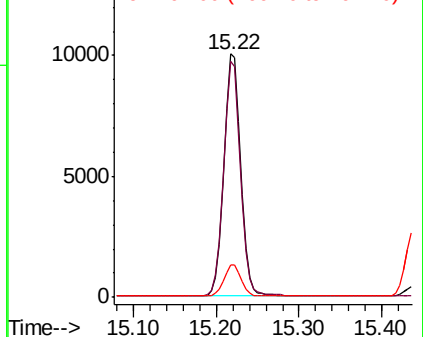
167 13.4 11.0 16.6



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: 0.341 ng/ul

RT: 16.57 min Scan# 3566

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

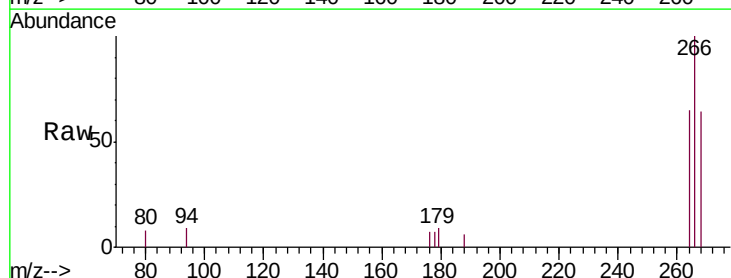
Tgt Ion:266 Resp: 1391

Ion Ratio Lower Upper

266 100

264 63.0 49.9 74.9

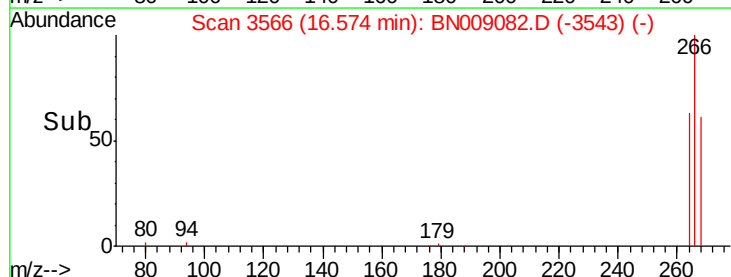
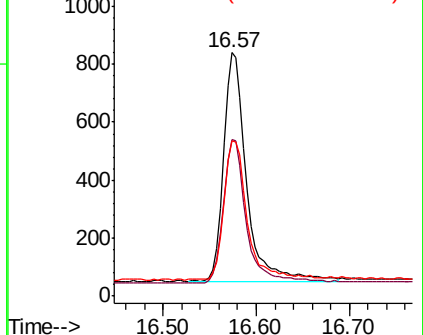
268 64.3 52.1 78.1

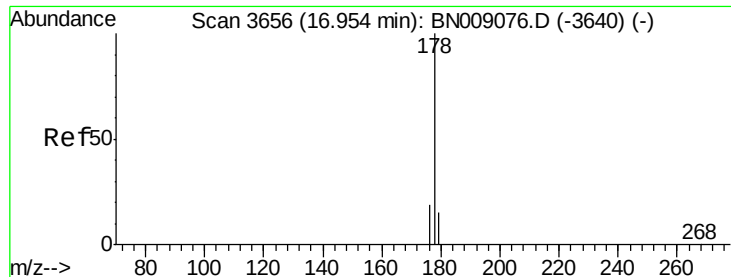


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.410 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. 0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

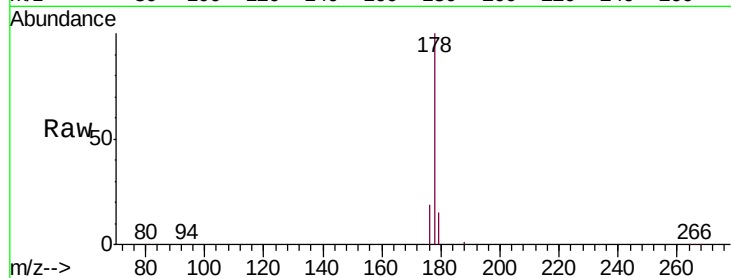
Tgt Ion:178 Resp: 21818

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

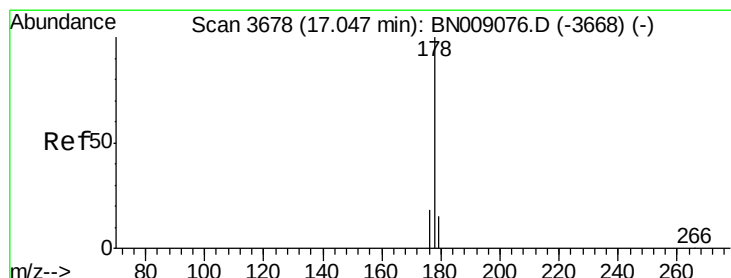
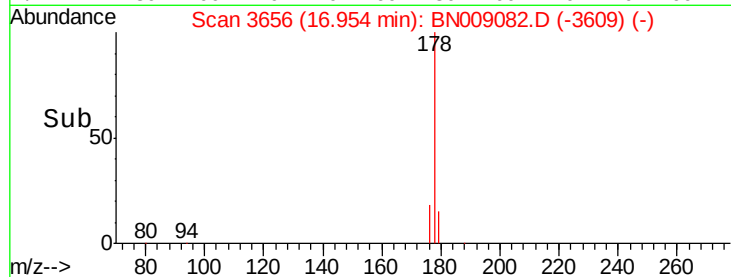
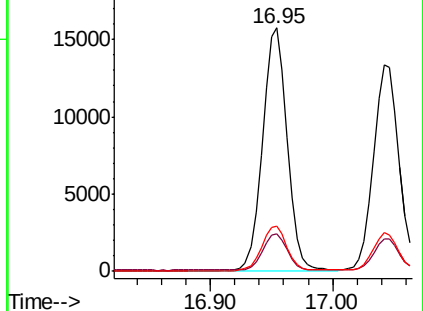
176 18.6 15.1 22.7



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: 0.412 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

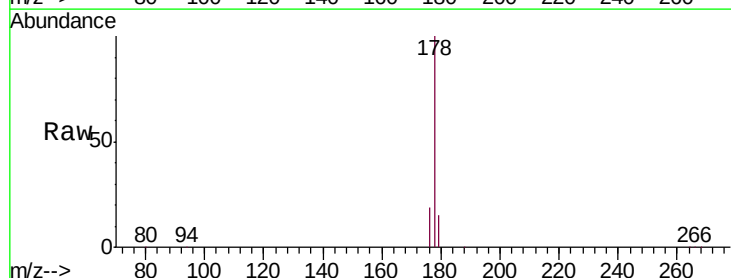
Tgt Ion:178 Resp: 19698

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

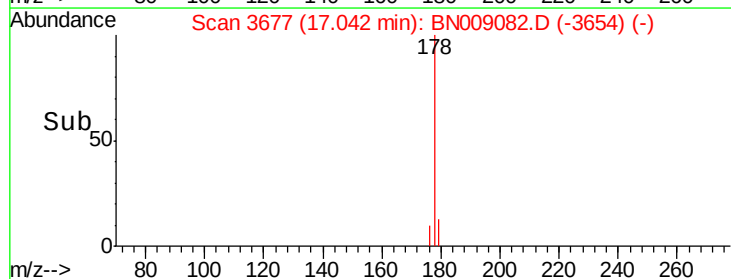
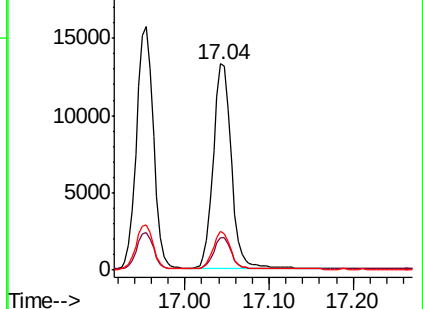
176 18.5 14.9 22.3

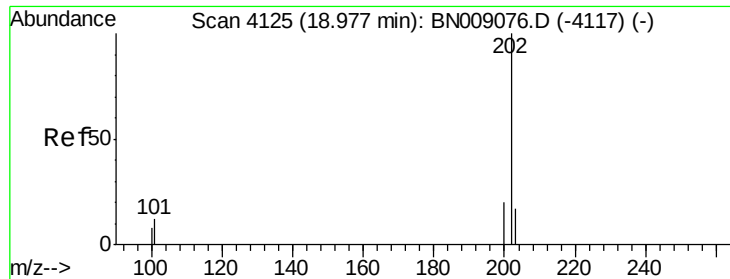


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

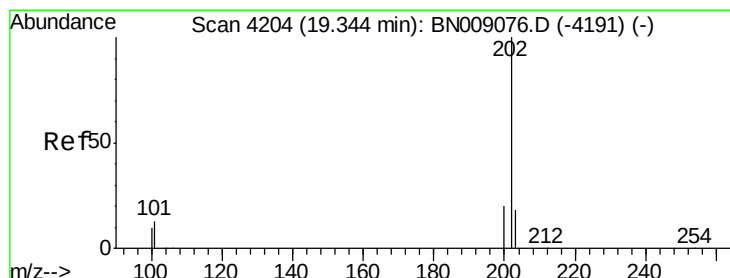
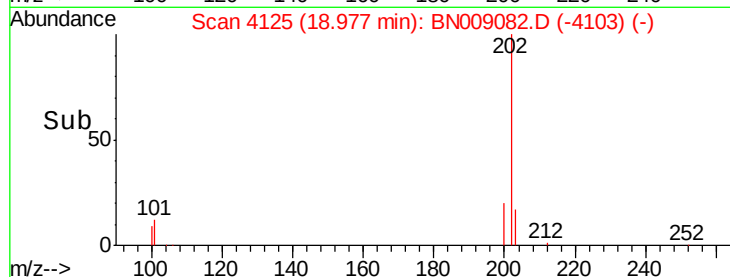
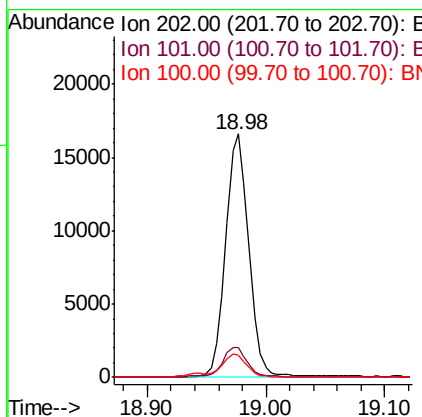
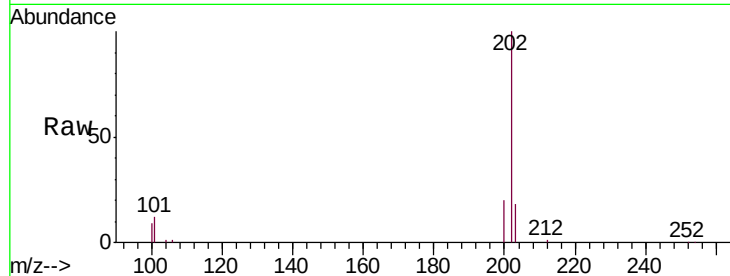




#15
Fluoranthene
 Concen: 0.363 ng/ul
 RT: 18.98 min Scan# 4125
 Delta R.T. 0.00 min
 Lab File: BN009082.D
 Acq: 21 Dec 2019 00:01

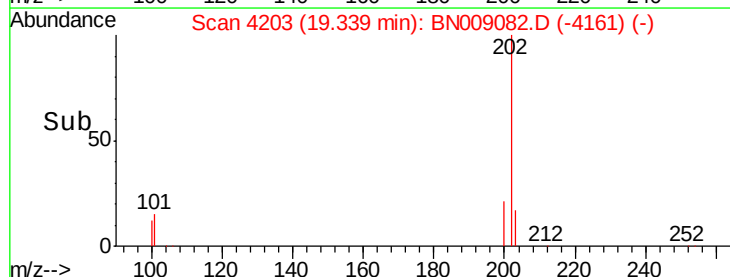
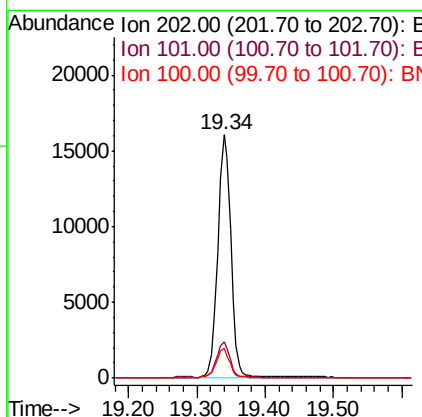
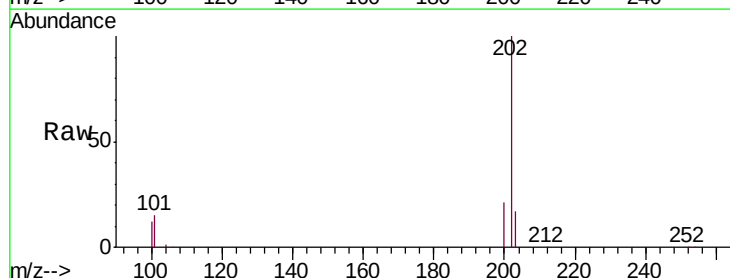
Instrument :
 BNA_N
 ClientSampleId :
 SST0.418

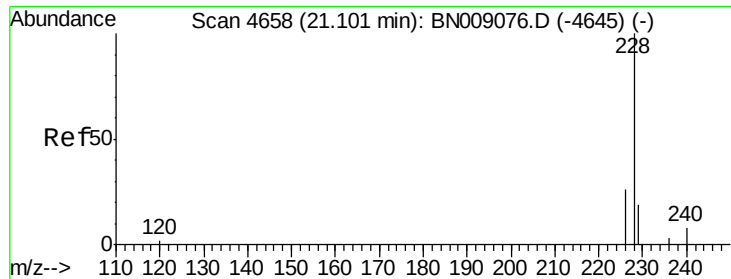
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.5
100	9.0	0.0	28.9



#17
Pyrene
 Concen: 0.492 ng/ul
 RT: 19.34 min Scan# 4203
 Delta R.T. -0.00 min
 Lab File: BN009082.D
 Acq: 21 Dec 2019 00:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	10.9	16.3
100	12.2	9.0	13.6





#18

Benzo(a)anthracene

Concen: 0.434 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

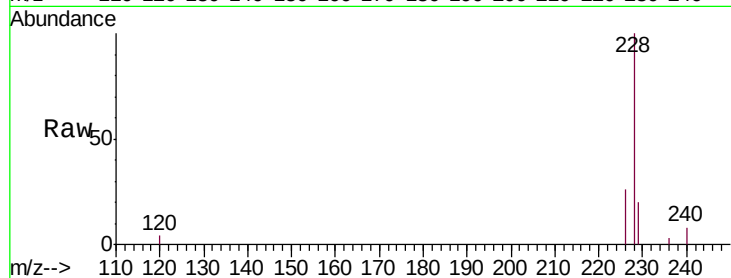
Tgt Ion:228 Resp: 16474

Ion Ratio Lower Upper

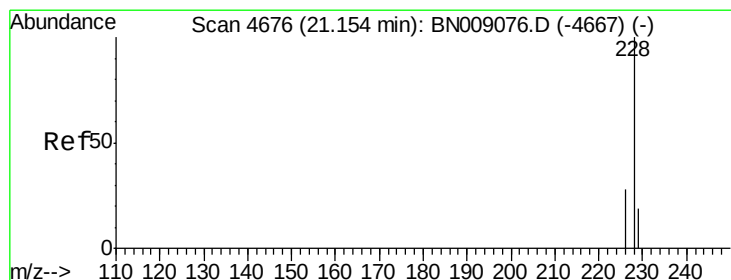
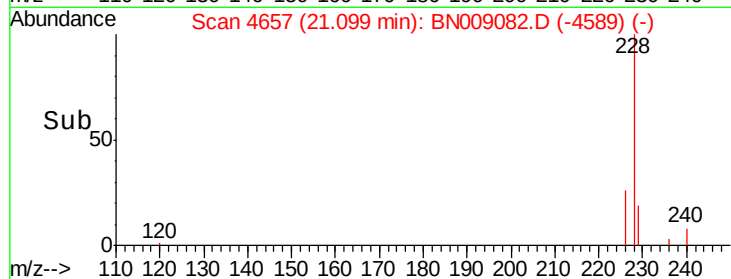
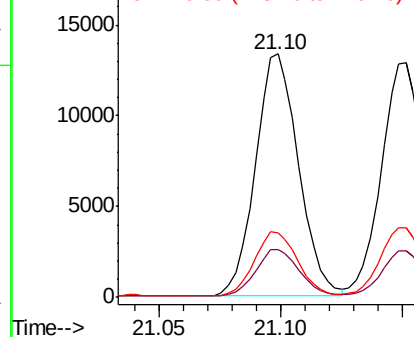
228 100

229 19.8 15.5 23.3

226 26.4 21.7 32.5



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: 0.425 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

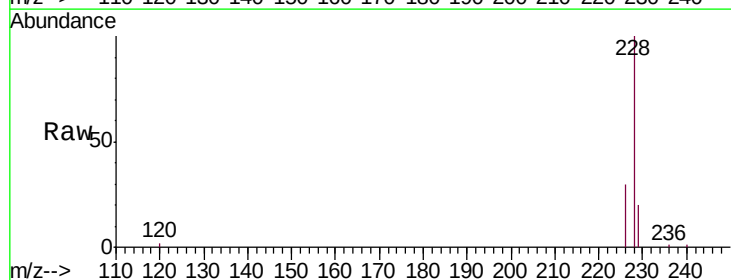
Tgt Ion:228 Resp: 16207

Ion Ratio Lower Upper

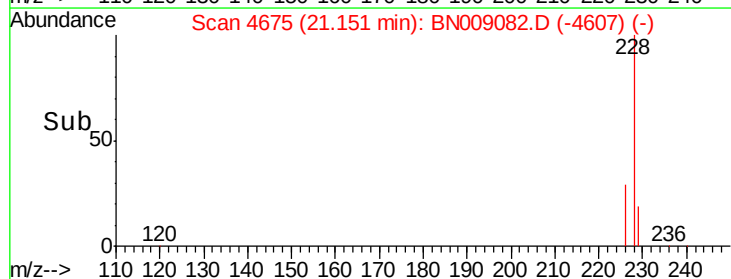
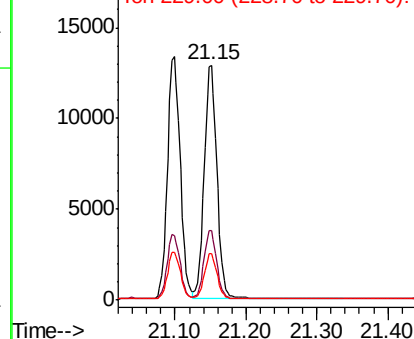
228 100

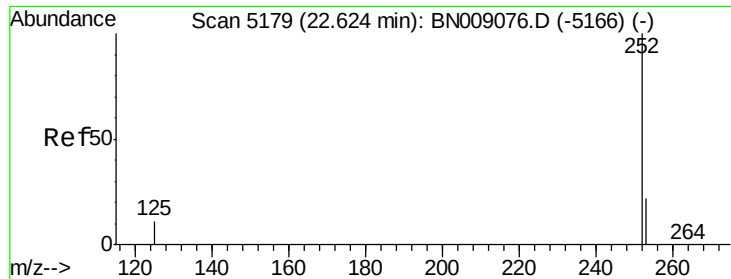
226 29.6 23.7 35.5

229 19.8 15.4 23.0



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: 0.395 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

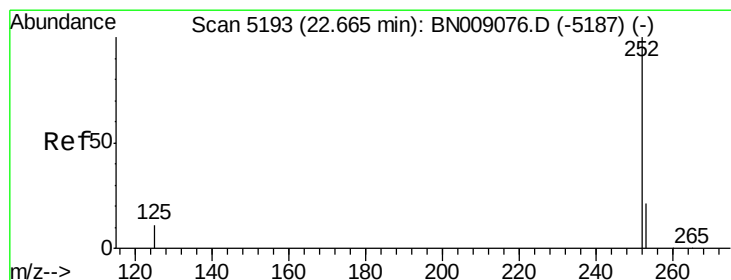
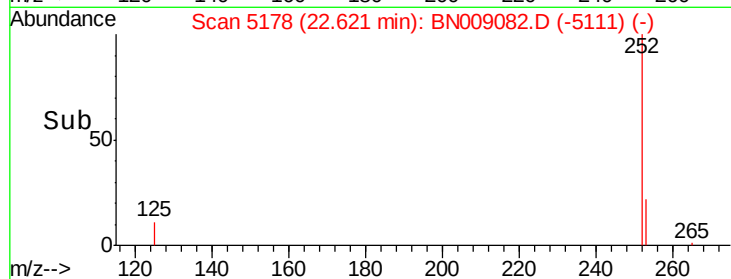
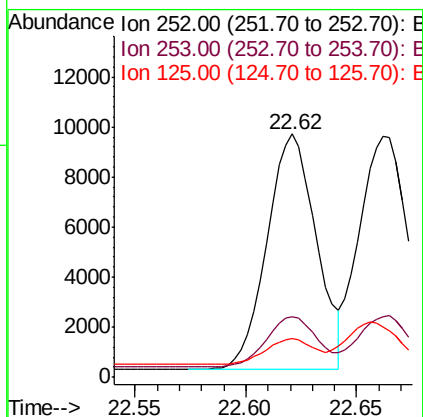
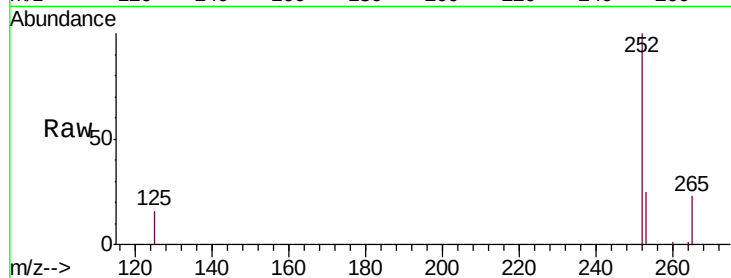
Instrument :

BNA_N

ClientSampleId :

SSTD0.418

Tgt Ion:	252	Resp:	14497
Ion Ratio	Lower	Upper	
252	100		
253	25.1	0.0	48.2
125	15.8	0.0	30.0



#22

Benzo(k)fluoranthene

Concen: 0.391 ng/ul

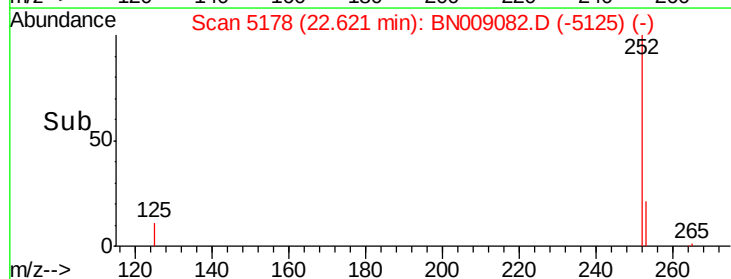
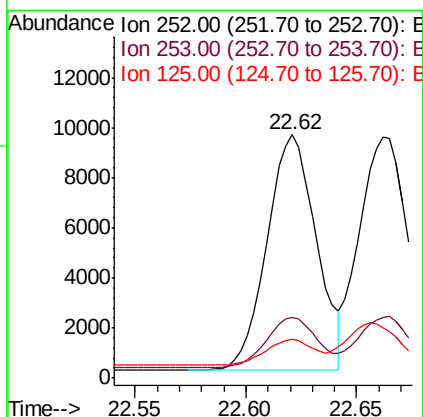
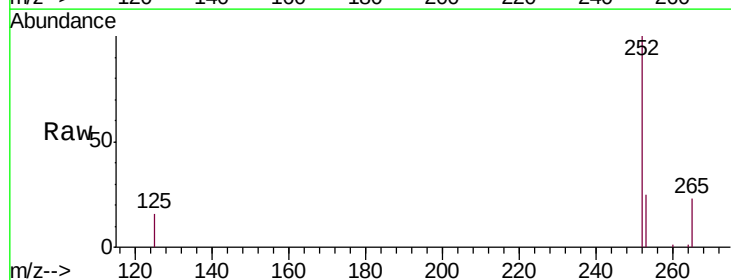
RT: 22.62 min Scan# 5178

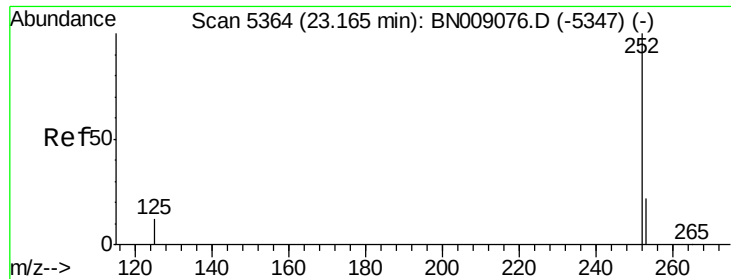
Delta R.T. -0.04 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Tgt Ion:	252	Resp:	14497
Ion Ratio	Lower	Upper	
252	100		
253	25.1	19.4	29.0
125	15.8	12.4	18.6





#23

Benzo(a)pyrene

Concen: 0.429 ng/ul

RT: 23.16 min Scan# 5362

Delta R.T. -0.01 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

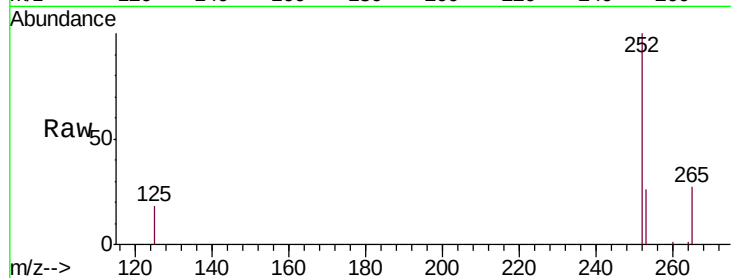
Tgt Ion:252 Resp: 13821

Ion Ratio Lower Upper

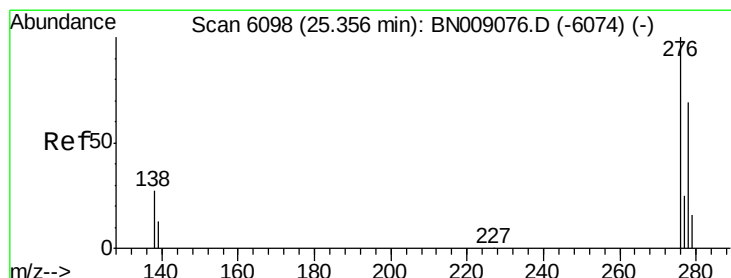
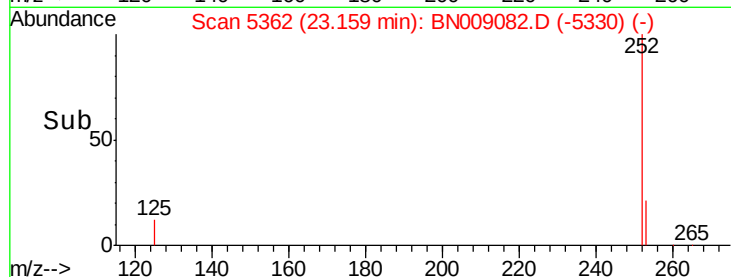
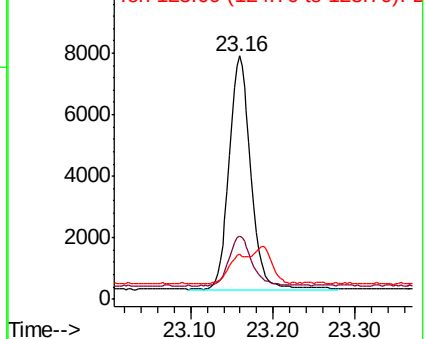
252 100

253 25.8 20.2 30.4

125 18.4 13.2 19.8



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: 0.452 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.00 min

Lab File: BN009082.D

Acq: 21 Dec 2019 00:01

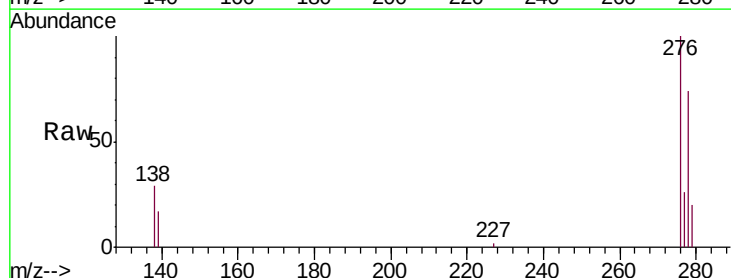
Tgt Ion:276 Resp: 15831

Ion Ratio Lower Upper

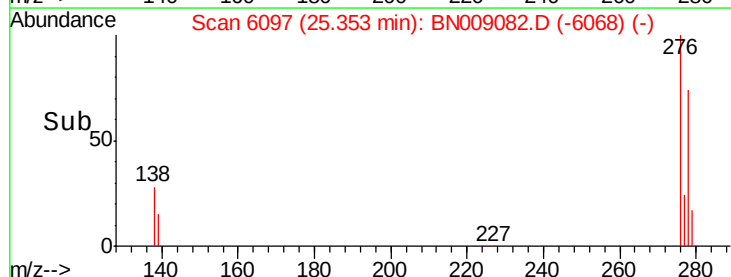
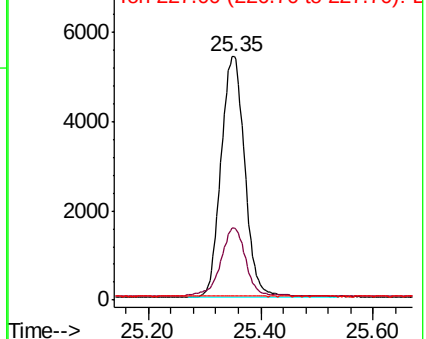
276 100

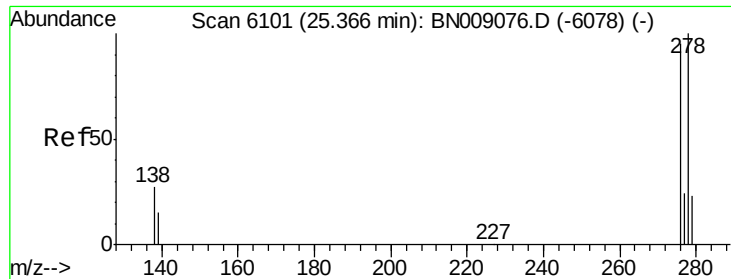
138 29.6 22.4 33.6

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

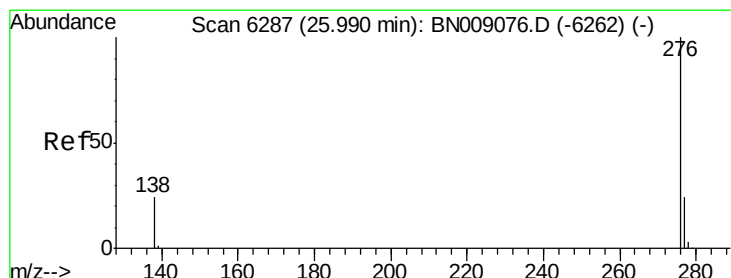
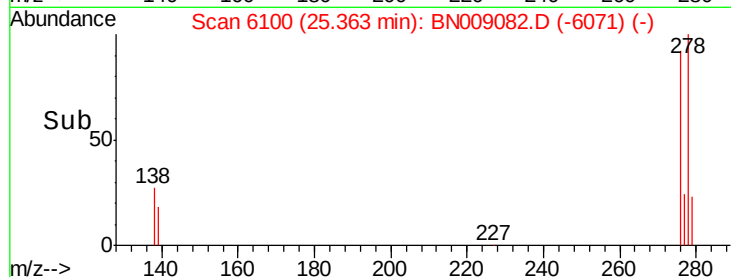
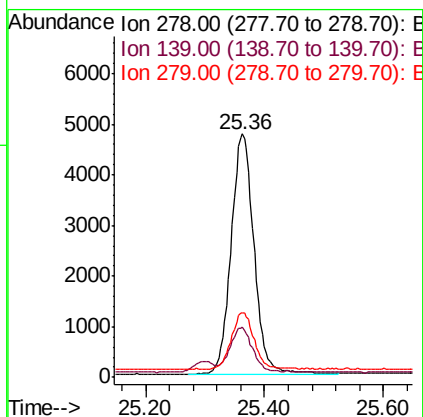
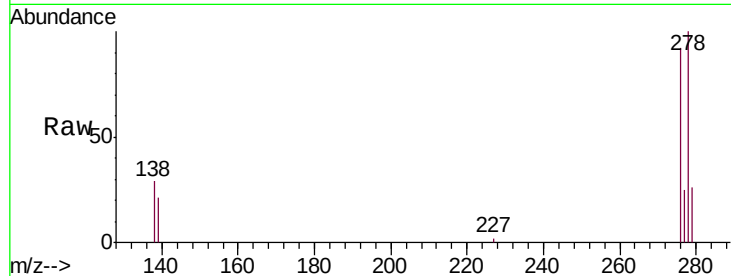




#25
Dibenzo(a,h)anthracene
Concen: 0.455 ng/ul
RT: 25.36 min Scan# 6100
Delta R.T. -0.00 min
Lab File: BN009082.D
Acq: 21 Dec 2019 00:01

Instrument :
BNA_N
ClientSampleId :
SSTD0.418

Tgt Ion: 278 Resp: 12705
Ion Ratio Lower Upper
278 100
139 20.8 16.2 24.2
279 26.4 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 0.459 ng/ul
RT: 25.99 min Scan# 6286
Delta R.T. -0.00 min
Lab File: BN009082.D
Acq: 21 Dec 2019 00:01

Tgt Ion: 276 Resp: 13548
Ion Ratio Lower Upper
276 100
138 25.6 20.6 30.8
277 25.0 19.6 29.4

