

Data File : BN008974.D
Acq On : 13 Dec 2019 18:59
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.4121

Quant Time: Dec 13 22:59:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 22:56:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2225	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	9750	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	6738	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17304	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14663	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	12627	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	6824	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	21332	0.40	ng/ul	0.00

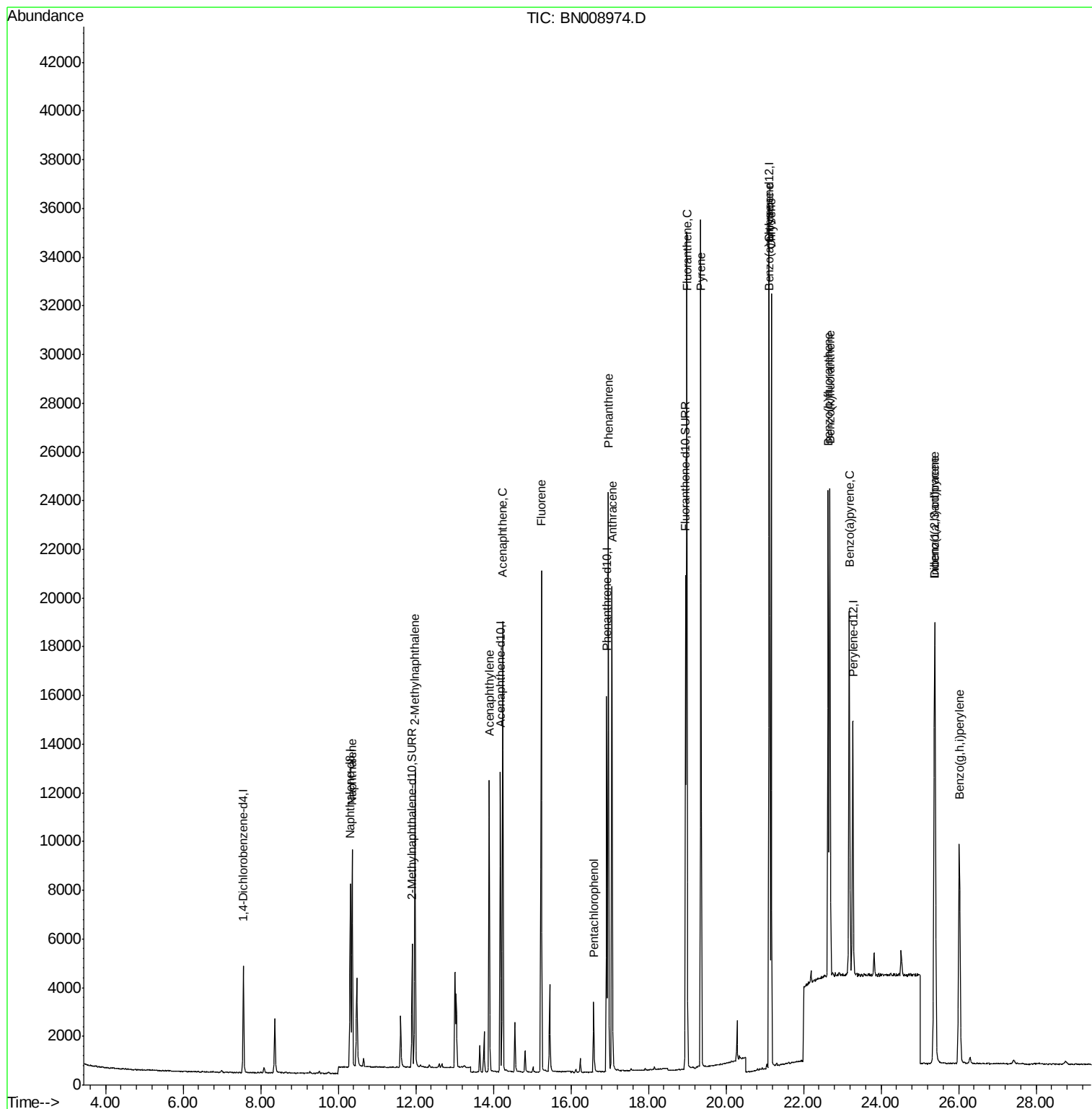
Target Compounds					Qvalue
3) Naphthalene	10.36	128	11726	0.399	ng/ul 99
5) 2-Methylnaphthalene	11.98	142	8818	0.430	ng/ul 100
7) Acenaphthylene	13.89	152	13547	0.364	ng/ul 99
8) Acenaphthene	14.24	153	10496	0.380	ng/ul 100
9) Fluorene	15.24	166	13226	0.407	ng/ul 99
11) Pentachlorophenol	16.59	266	2043	0.312	ng/ul 99
12) Phenanthrene	16.97	178	23797	0.408	ng/ul 99
13) Anthracene	17.06	178	22123	0.401	ng/ul 99
15) Fluoranthene	18.99	202	28452	0.397	ng/ul 100
17) Pyrene	19.35	202	28651	0.487	ng/ul 99
18) Benzo(a)anthracene	21.11	228	27196	0.461	ng/ul 99
19) Chrysene	21.16	228	26157	0.452	ng/ul 100
21) Benzo(b)fluoranthene	22.64	252	23128	0.444	ng/ul 99
22) Benzo(k)fluoranthene	22.68	252	22742	0.440	ng/ul 99
23) Benzo(a)pyrene	23.18	252	20660	0.423	ng/ul 99
24) Indeno(1,2,3-cd)pyrene	25.38	276	20530	0.359	ng/ul# 99
25) Dibenzo(a,h)anthracene	25.39	278	16734	0.362	ng/ul 98
26) Benzo(g,h,i)perylene	26.02	276	16967	0.355	ng/ul 98

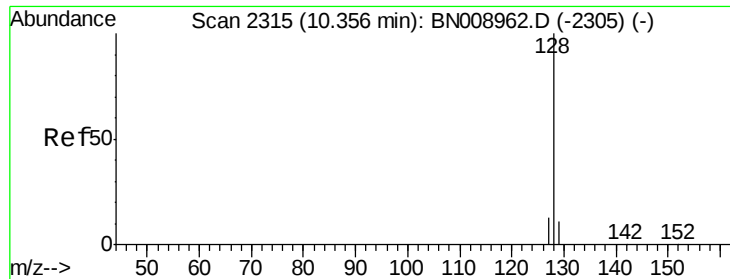
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
SSTD0.4121

Quant Time: Dec 13 22:59:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 22:56:27 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.399 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

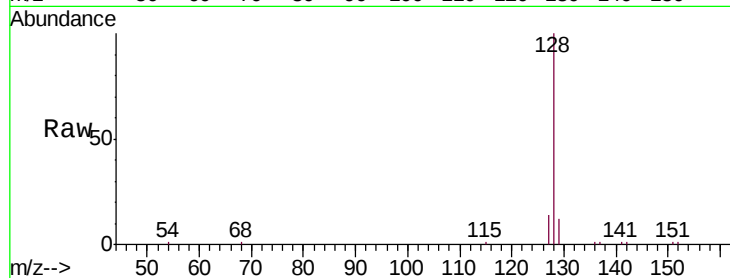
Tgt Ion:128 Resp: 11726

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

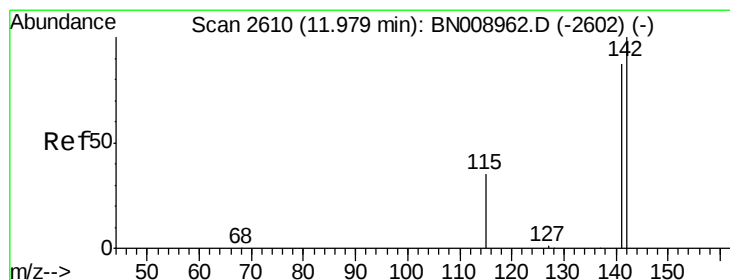
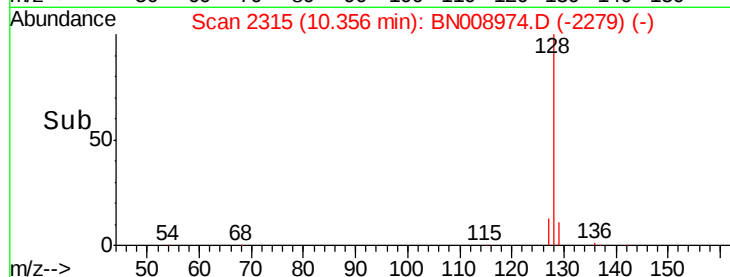
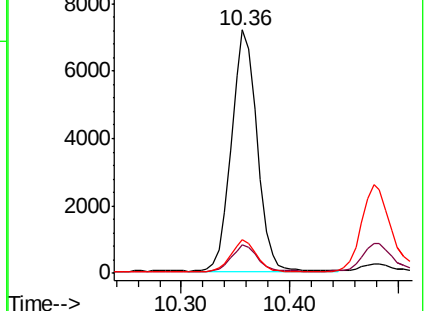
127 13.8 10.7 16.1



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: 0.430 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008974.D

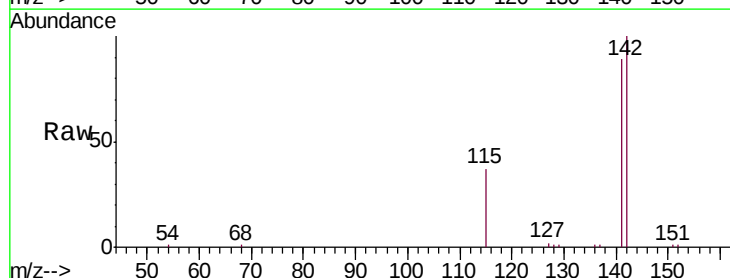
Acq: 13 Dec 2019 18:59

Tgt Ion:142 Resp: 8818

Ion Ratio Lower Upper

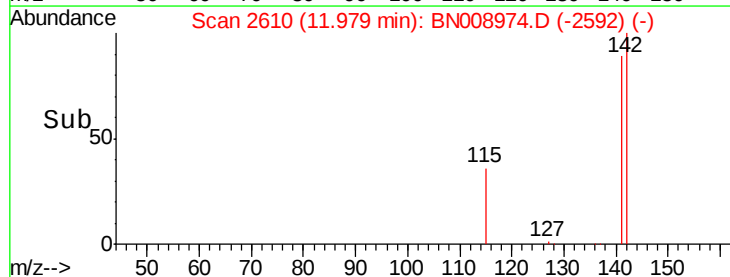
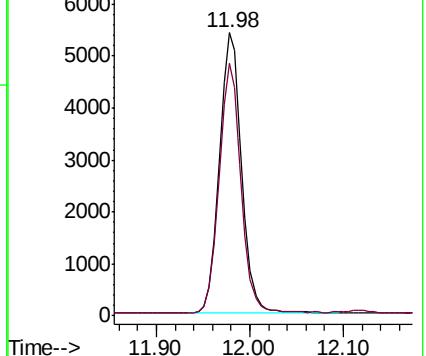
142 100

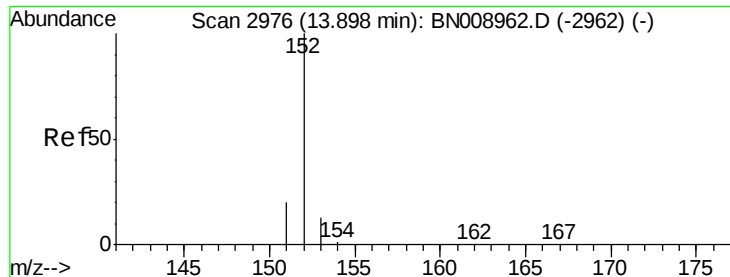
141 87.9 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

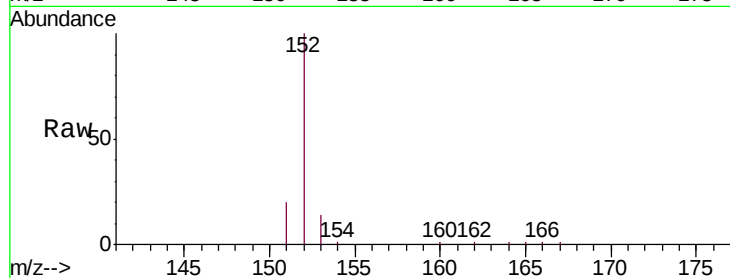
Tgt Ion:152 Resp: 13547

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

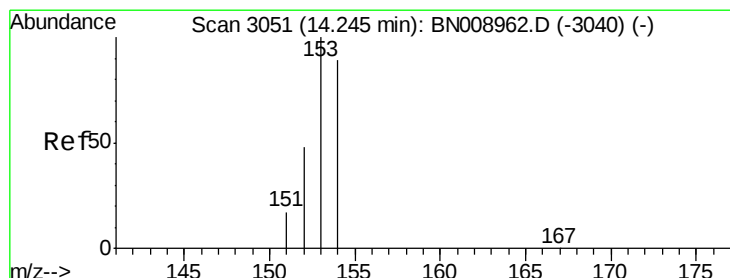
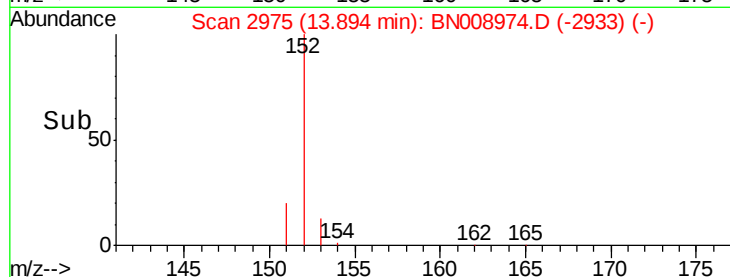
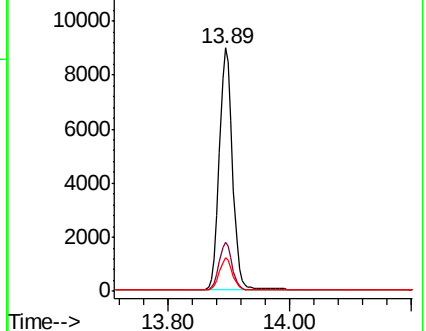
153 13.9 10.6 15.8



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: 0.380 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

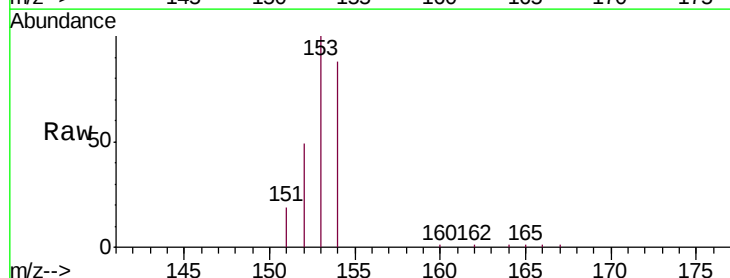
Tgt Ion:153 Resp: 10496

Ion Ratio Lower Upper

153 100

152 48.8 38.6 58.0

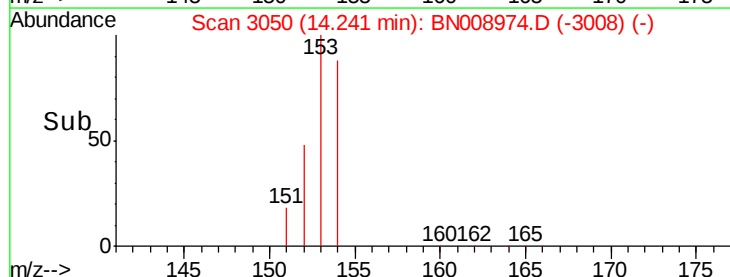
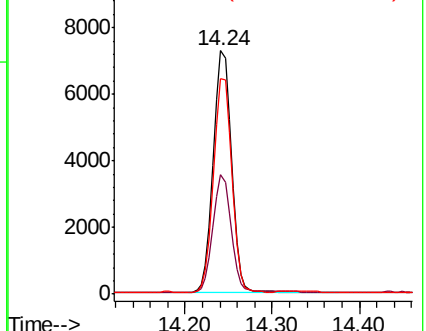
154 88.4 70.6 105.8

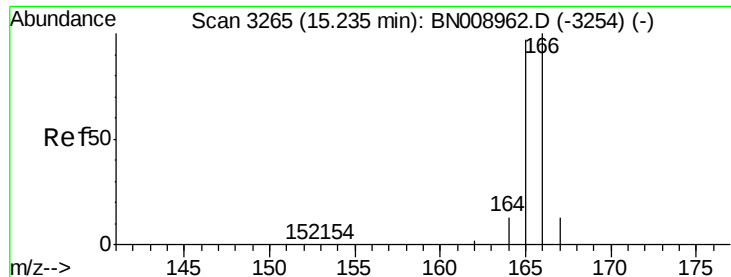


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

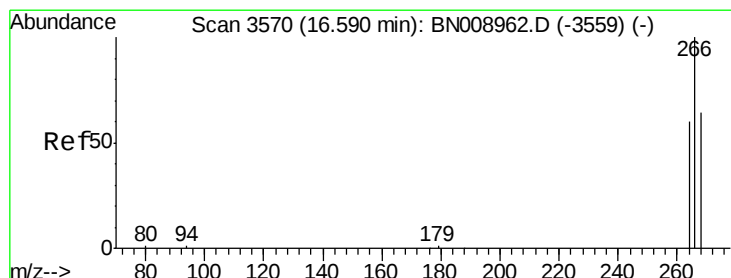
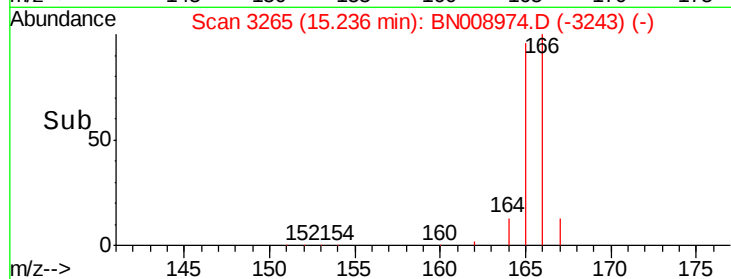
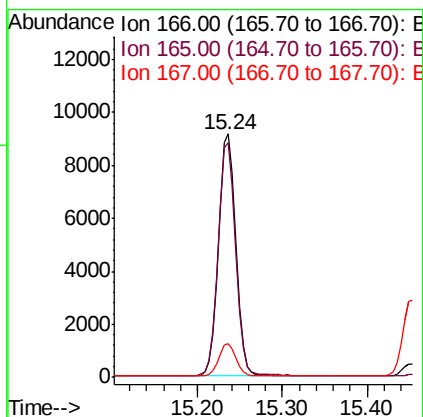
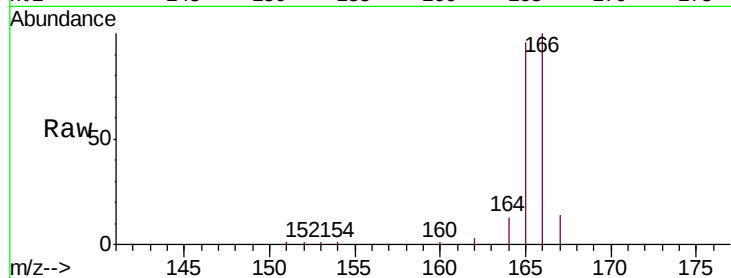




#9
Fluorene
 Concen: 0.407 ng/ul
 RT: 15.24 min Scan# 3265
 Delta R.T. 0.00 min
 Lab File: BN008974.D
 Acq: 13 Dec 2019 18:59

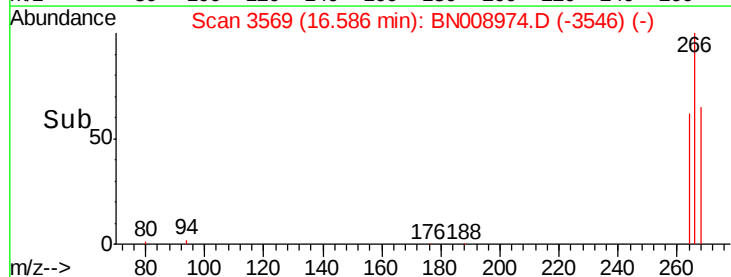
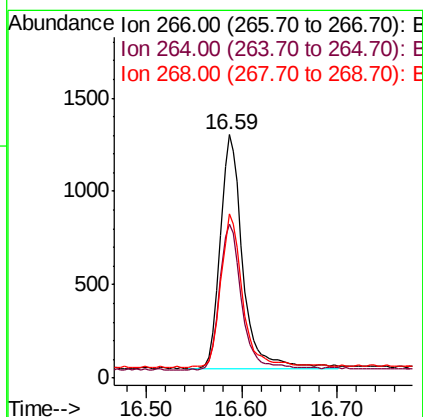
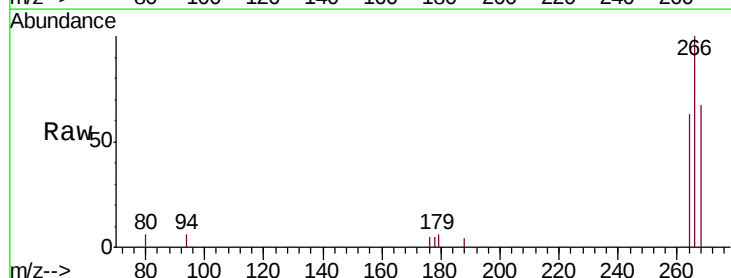
Instrument :
 BNA_N
 ClientSampleId :
 SST0.4121

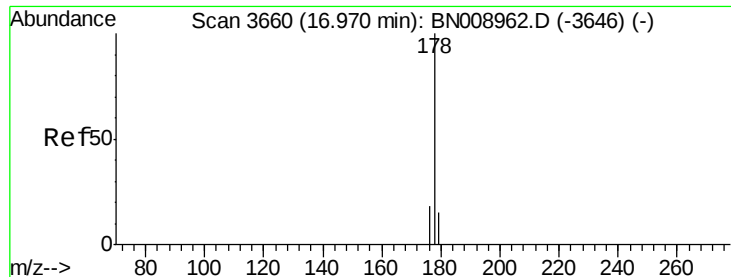
Tgt Ion:166 Resp: 13226
 Ion Ratio Lower Upper
 166 100
 165 96.3 77.7 116.5
 167 13.9 11.1 16.7



#11
Pentachlorophenol
 Concen: 0.312 ng/ul
 RT: 16.59 min Scan# 3569
 Delta R.T. -0.00 min
 Lab File: BN008974.D
 Acq: 13 Dec 2019 18:59

Tgt Ion:266 Resp: 2043
 Ion Ratio Lower Upper
 266 100
 264 62.2 50.4 75.6
 268 65.5 52.2 78.4





#12

Phenanthrene

Concen: 0.408 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

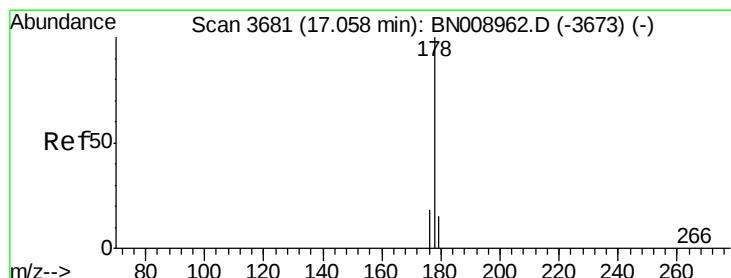
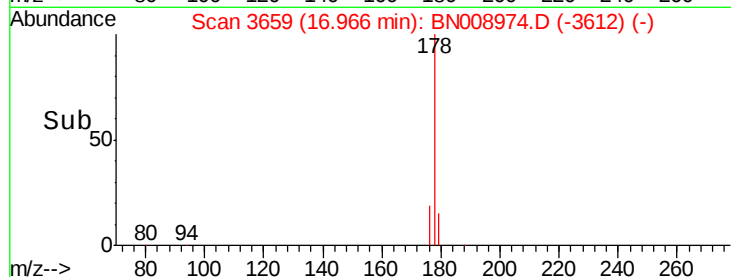
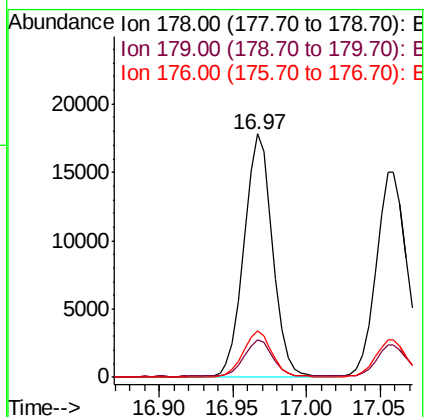
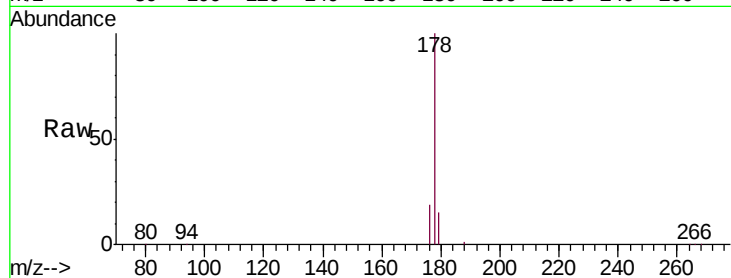
Tgt Ion:178 Resp: 23797

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.9 15.3 22.9



#13

Anthracene

Concen: 0.401 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

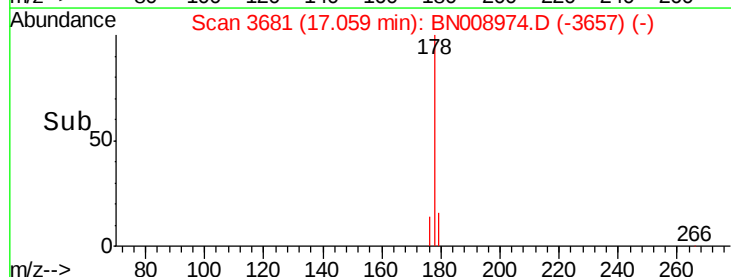
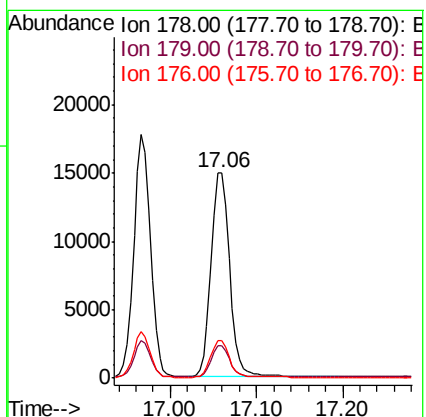
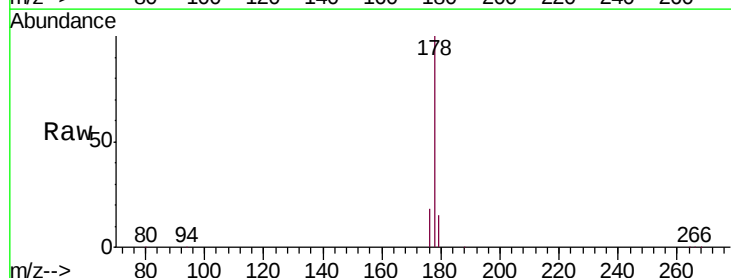
Tgt Ion:178 Resp: 22123

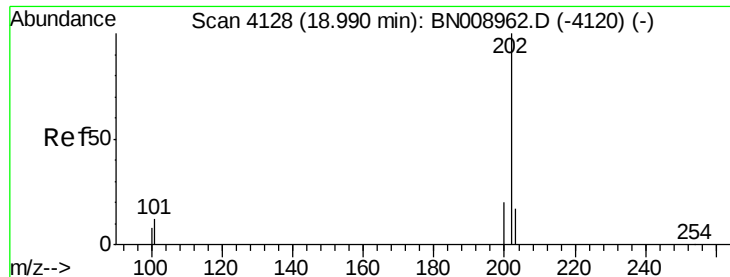
Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

176 18.1 14.7 22.1





#15

Fluoranthene

Concen: 0.397 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

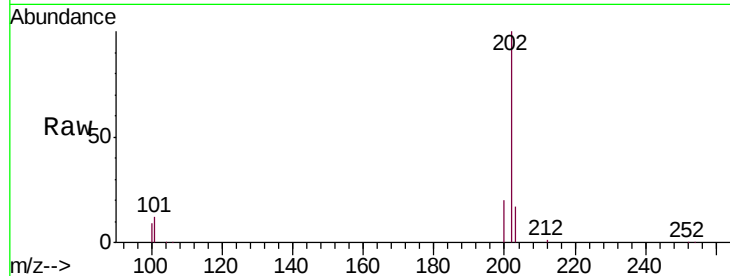
Tgt Ion:202 Resp: 28452

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

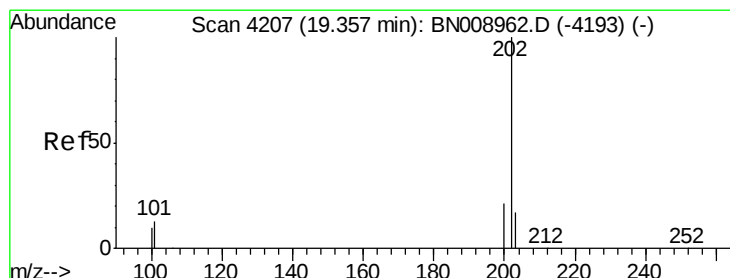
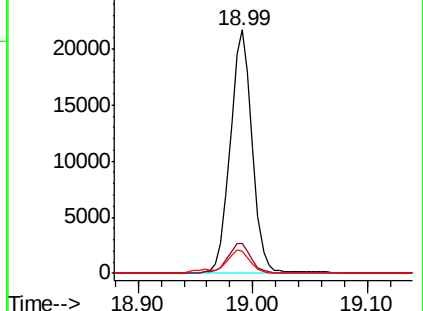
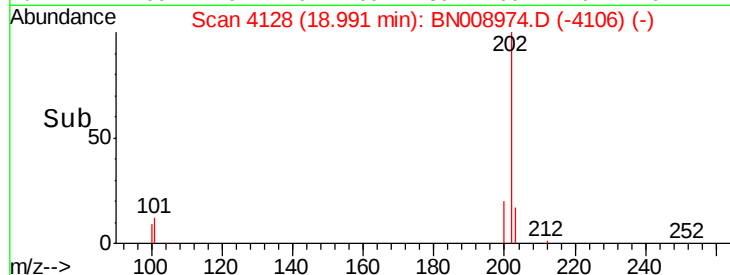
100 9.3 0.0 29.2



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: 0.487 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

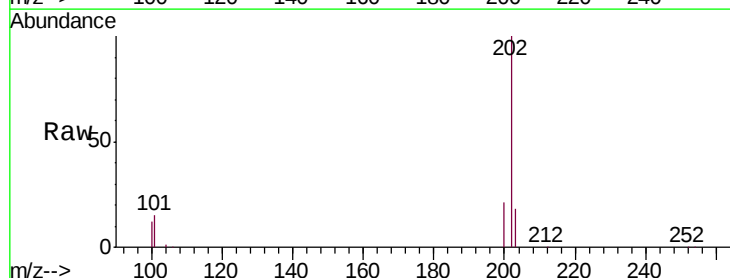
Tgt Ion:202 Resp: 28651

Ion Ratio Lower Upper

202 100

101 14.8 12.2 18.4

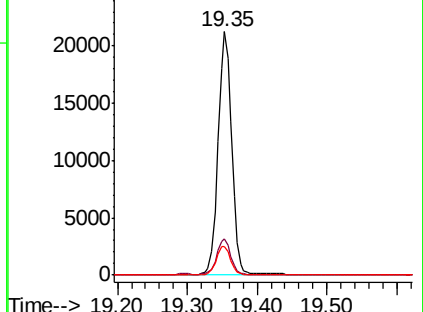
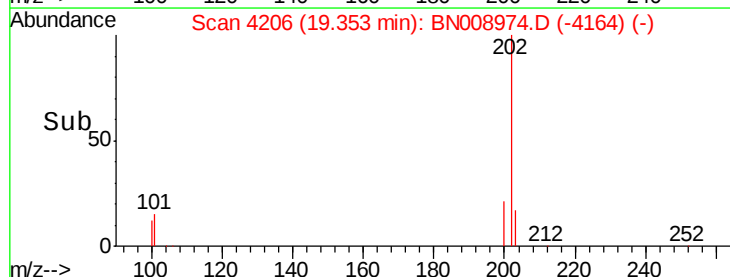
100 12.0 9.5 14.3

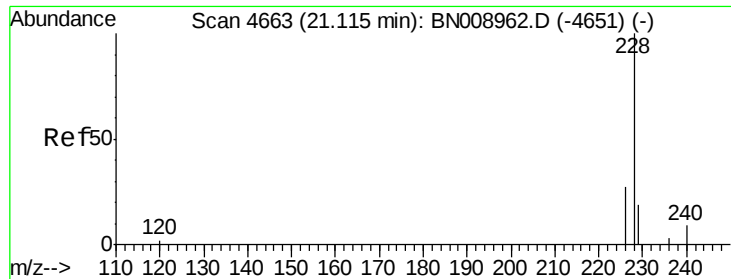


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.461 ng/ul

RT: 21.11 min Scan# 4661

Delta R.T. -0.01 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

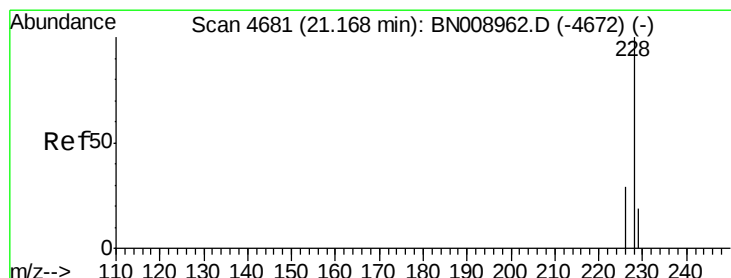
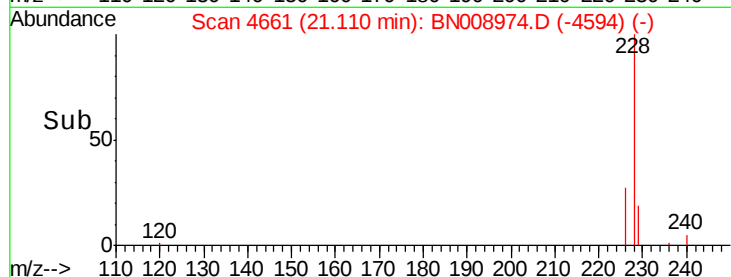
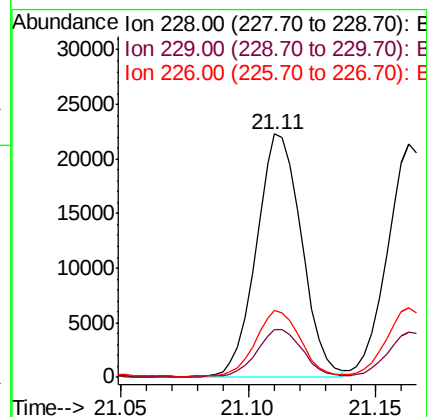
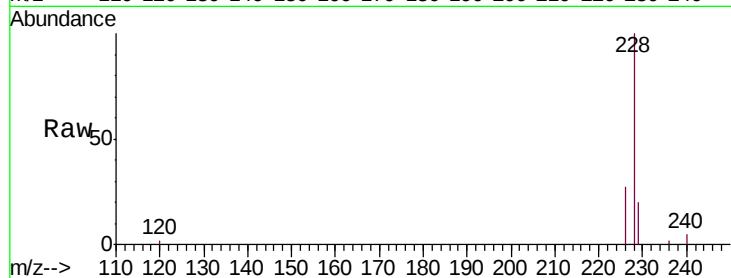
Tgt Ion:228 Resp: 27196

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

226 27.3 21.5 32.3



#19

Chrysene

Concen: 0.452 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.01 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

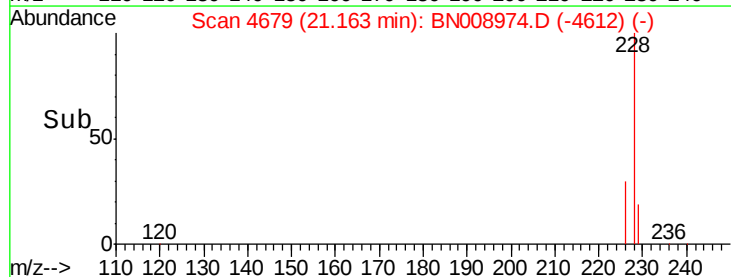
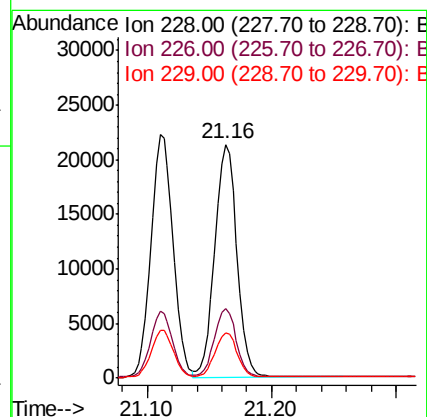
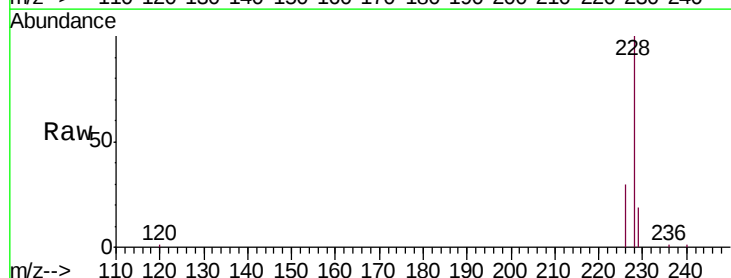
Tgt Ion:228 Resp: 26157

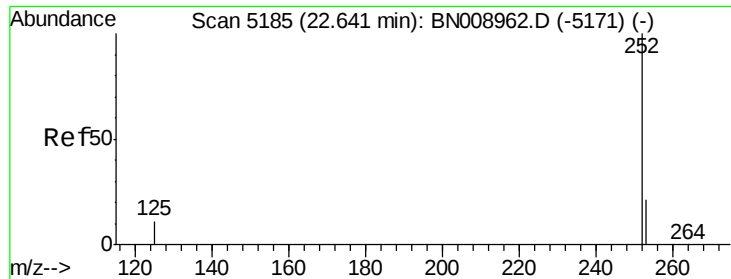
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 19.5 15.6 23.4





#21

Benzo(b)fluoranthene

Concen: 0.444 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

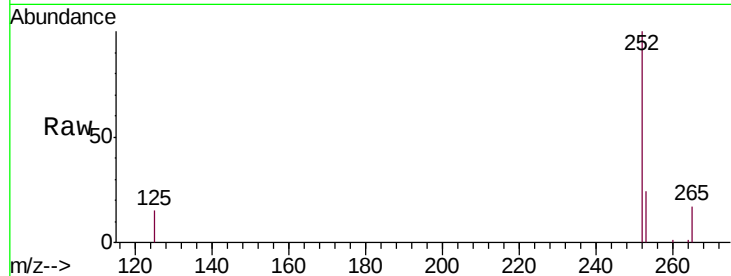
Tgt Ion:252 Resp: 23128

Ion Ratio Lower Upper

252 100

253 24.2 0.0 48.6

125 15.2 0.0 31.6

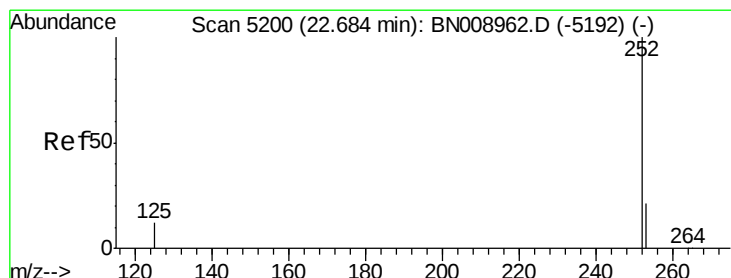
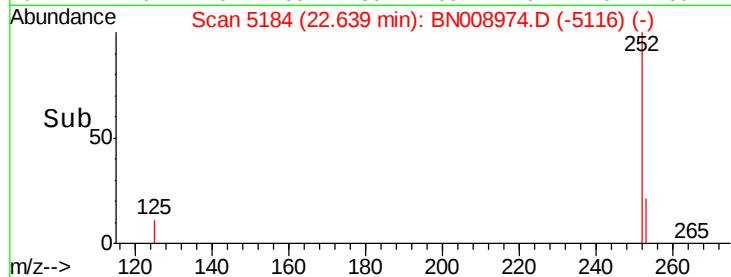
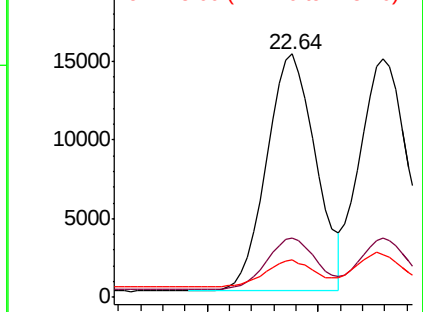


Abundance

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



#22

Benzo(k)fluoranthene

Concen: 0.440 ng/ul

RT: 22.68 min Scan# 5198

Delta R.T. -0.01 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

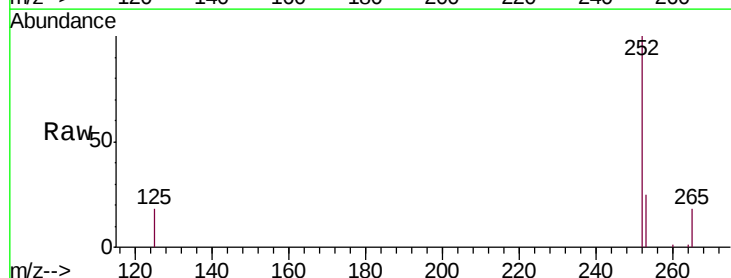
Tgt Ion:252 Resp: 22742

Ion Ratio Lower Upper

252 100

253 25.0 19.6 29.4

125 17.9 13.8 20.6

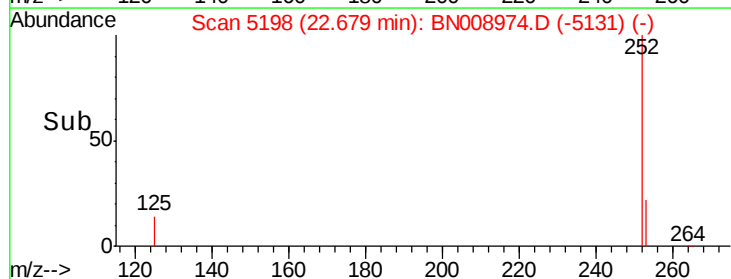
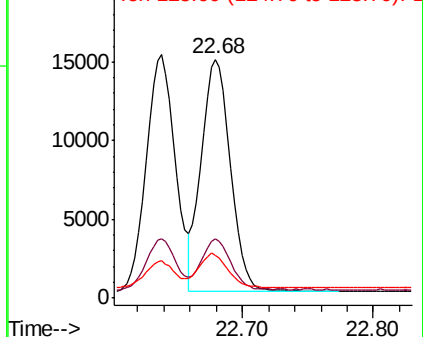


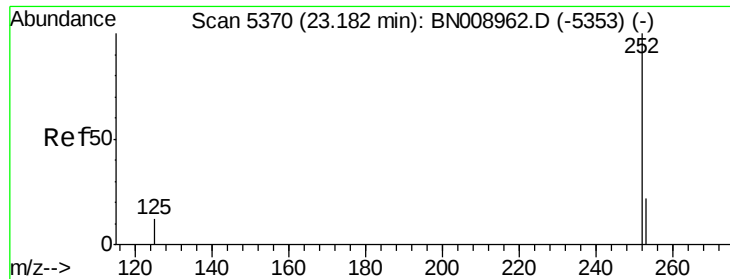
Abundance

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: 0.423 ng/u1

RT: 23.18 min Scan# 5369

Delta R.T. -0.00 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

Instrument :

BNA_N

ClientSampleId :

SSTD0.4121

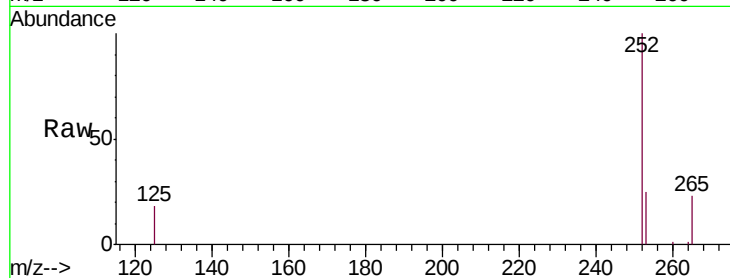
Tgt Ion:252 Resp: 20660

Ion Ratio Lower Upper

252 100

253 25.4 19.9 29.9

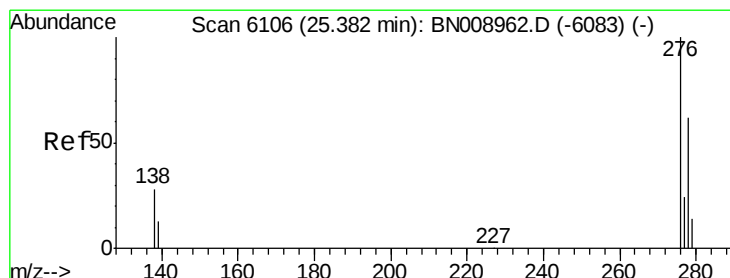
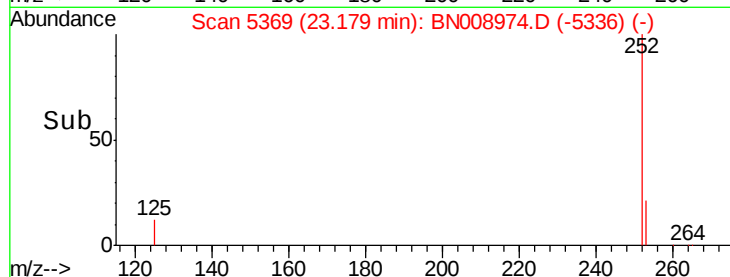
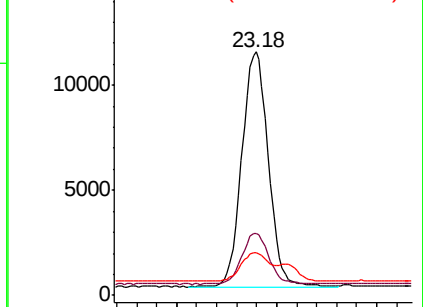
125 17.6 14.6 22.0



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: 0.359 ng/u1

RT: 25.38 min Scan# 6104

Delta R.T. -0.01 min

Lab File: BN008974.D

Acq: 13 Dec 2019 18:59

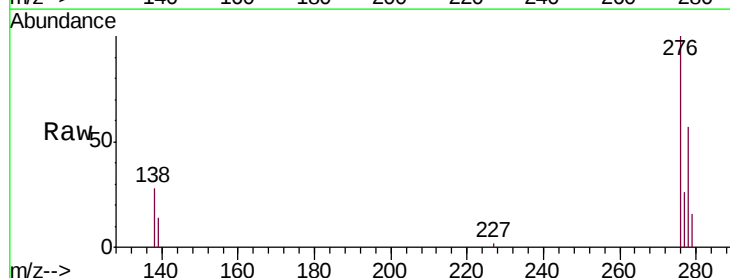
Tgt Ion:276 Resp: 20530

Ion Ratio Lower Upper

276 100

138 29.1 23.8 35.6

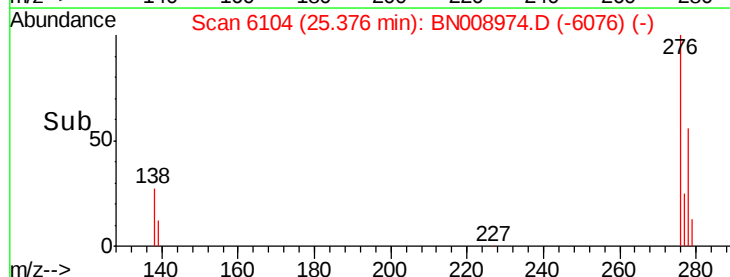
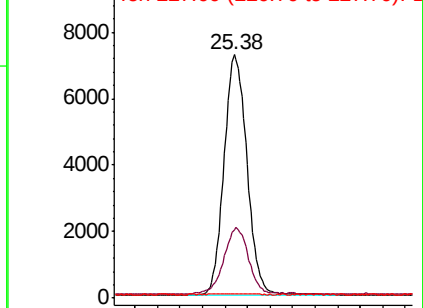
227 0.1 0.2 0.2#

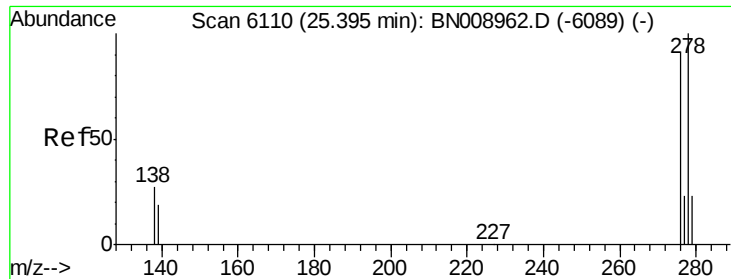


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



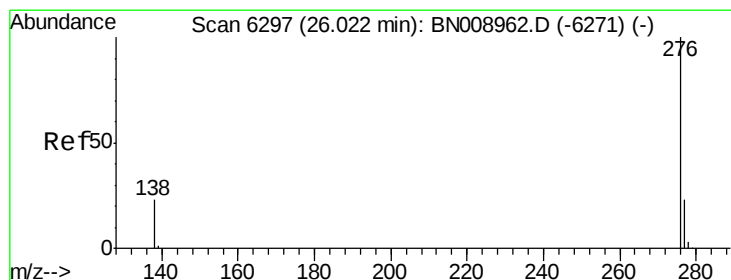
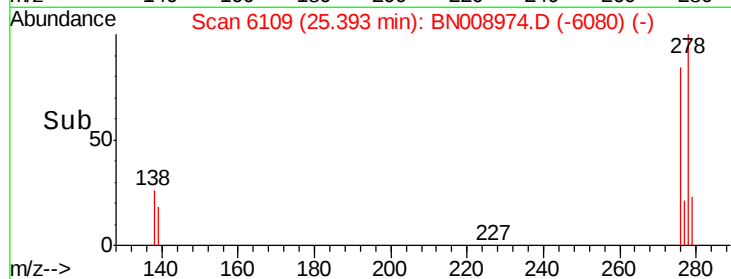
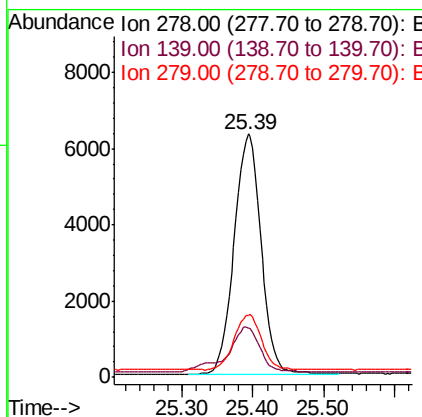
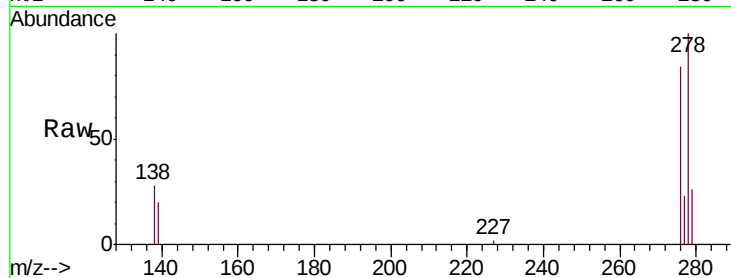


#25
Dibenzo(a,h)anthracene
Concen: 0.362 ng/ul
RT: 25.39 min Scan# 6109
Delta R.T. -0.00 min
Lab File: BN008974.D
Acq: 13 Dec 2019 18:59

Instrument :
BNA_N
ClientSampleId :
SSTD0.4121

Tgt Ion: 278 Resp: 16734

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.4	26.0
279	25.6	20.5	30.7



#26
Benzo(g,h,i)perylene
Concen: 0.355 ng/ul
RT: 26.02 min Scan# 6296
Delta R.T. -0.00 min
Lab File: BN008974.D
Acq: 13 Dec 2019 18:59

Tgt Ion: 276 Resp: 16967

Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.9	32.9
277	24.8	19.9	29.9

