

Data File : BN008980.D
Acq On : 13 Dec 2019 23:10
Operator : JU
Sample : PB-BS SOIL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SLCS045

Quant Time: Dec 13 23:51:56 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 23:22:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2283	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10079	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	6757	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	15257	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	12533	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	10609	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	7133	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	18285	0.39	ng/ul	0.00

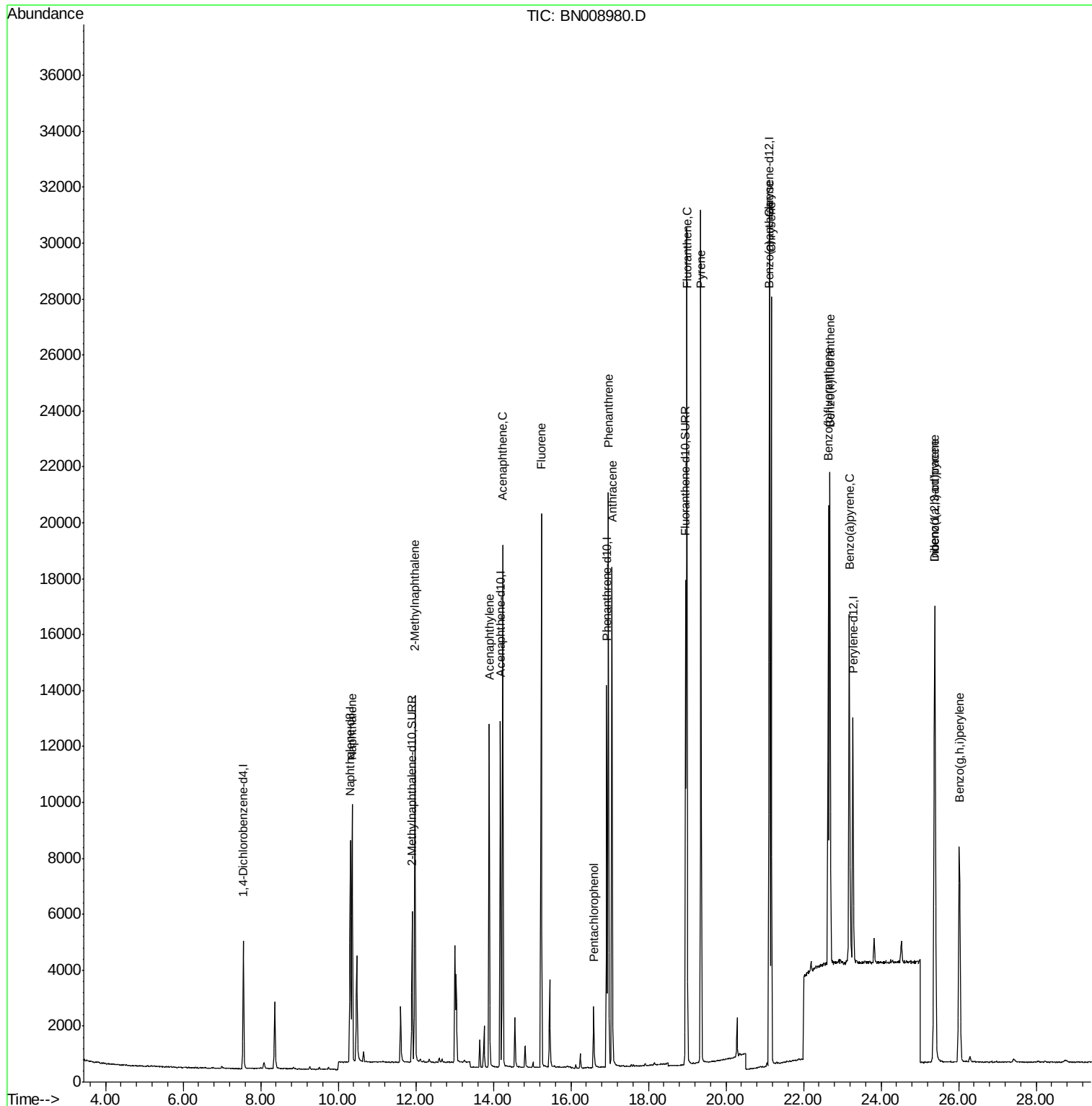
Target Compounds					Qvalue
3) Naphthalene	10.36	128	12196	0.401	ng/ul 100
5) 2-Methylnaphthalene	11.98	142	9215	0.434	ng/ul 100
7) Acenaphthylene	13.89	152	13766	0.368	ng/ul 99
8) Acenaphthene	14.24	153	10574	0.381	ng/ul 98
9) Fluorene	15.24	166	12415	0.381	ng/ul 99
11) Pentachlorophenol	16.59	266	1632	0.283	ng/ul 98
12) Phenanthrene	16.97	178	21027	0.409	ng/ul 99
13) Anthracene	17.06	178	19191	0.395	ng/ul 99
15) Fluoranthene	18.99	202	24396	0.386	ng/ul 99
17) Pyrene	19.35	202	24468	0.487	ng/ul 99
18) Benzo(a)anthracene	21.11	228	22981	0.456	ng/ul 100
19) Chrysene	21.17	228	22407	0.453	ng/ul 100
21) Benzo(b)fluoranthene	22.64	252	19731	0.451	ng/ul 99
22) Benzo(k)fluoranthene	22.68	252	19400	0.447	ng/ul 99
23) Benzo(a)pyrene	23.18	252	17461	0.425	ng/ul 99
24) Indeno(1,2,3-cd)pyrene	25.38	276	17409	0.363	ng/ul 99
25) Dibenzo(a,h)anthracene	25.39	278	14182	0.366	ng/ul 98
26) Benzo(g,h,i)perylene	26.02	276	14511	0.361	ng/ul 98

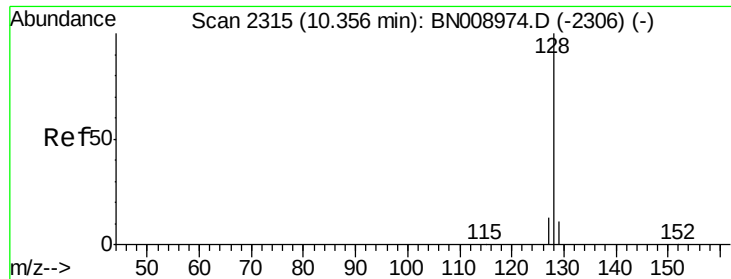
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 23:51:56 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 23:22:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008980.D

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BNA_N

ClientSampleId :

SLCS045

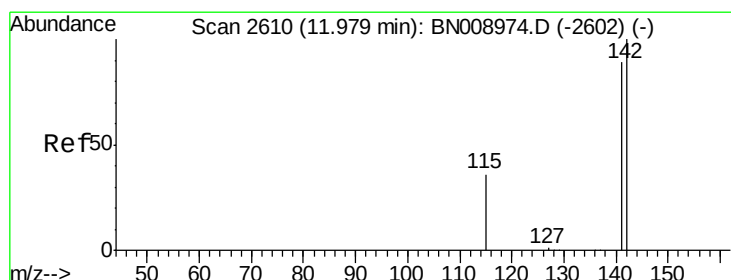
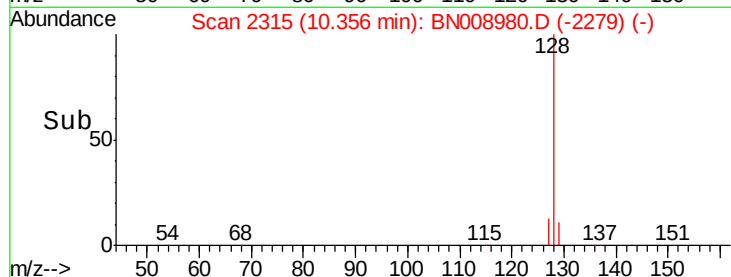
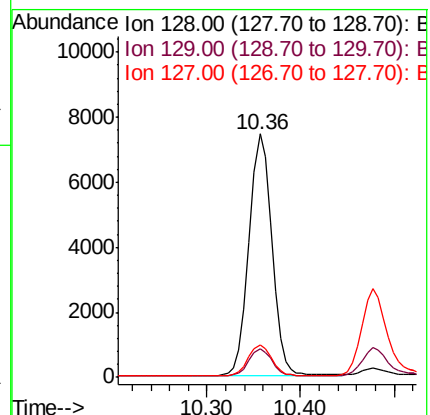
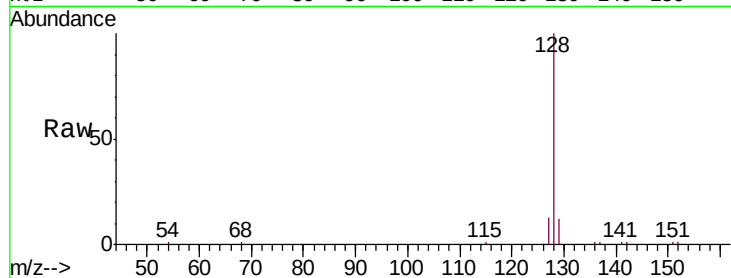
Tgt Ion:128 Resp: 12196

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.5 10.7 16.1



#5

2-Methylnaphthalene

Concen: 0.434 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008980.D

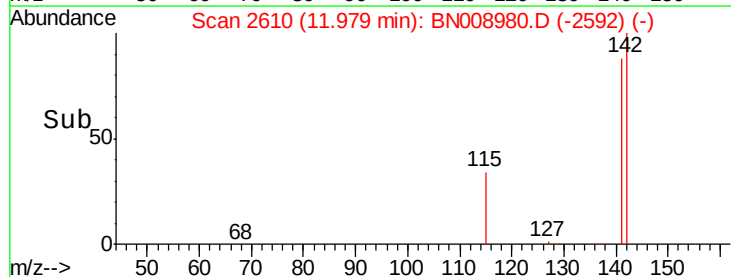
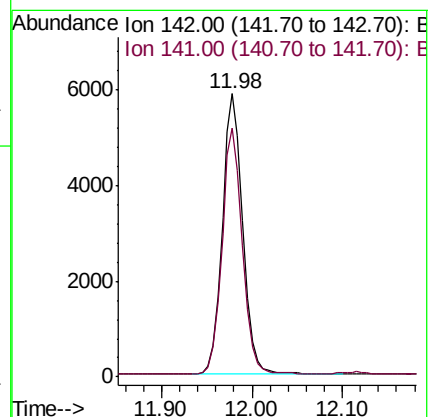
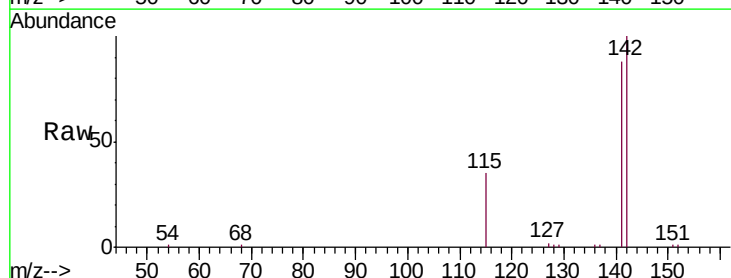
Acq: 13 Dec 2019 23:10

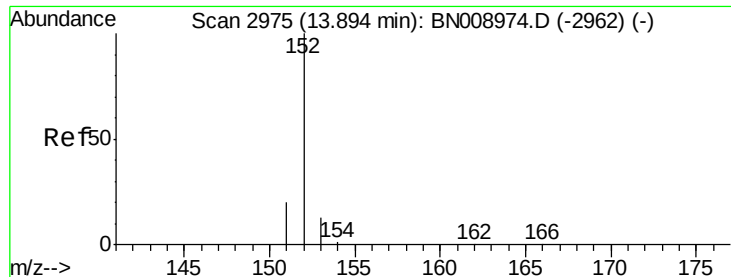
Tgt Ion:142 Resp: 9215

Ion Ratio Lower Upper

142 100

141 87.7 70.1 105.1





#7

Acenaphthylene

Concen: 0.368 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

Instrument :

BNA_N

ClientSampleId :

SLCS045

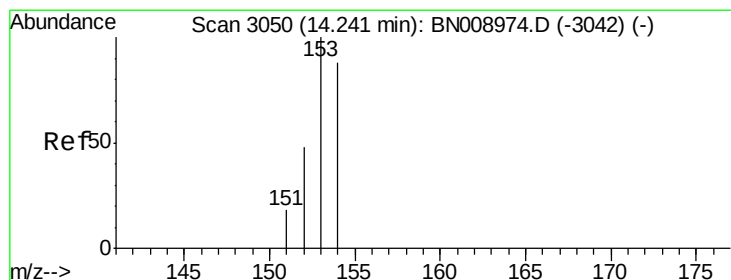
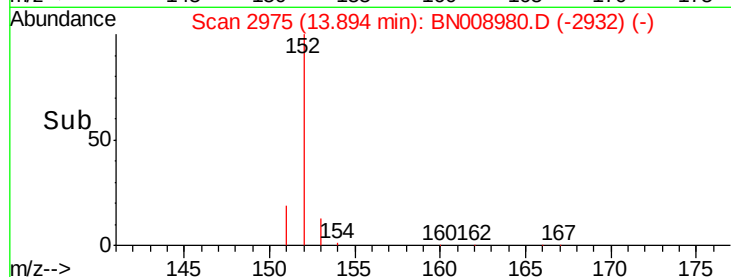
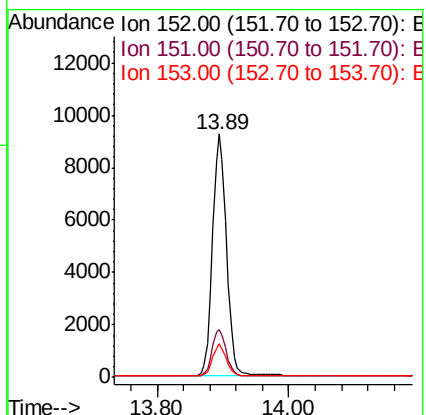
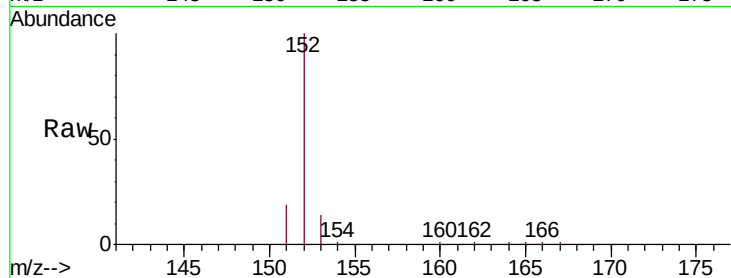
Tgt Ion:152 Resp: 13766

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

153 13.6 10.6 15.8



#8

Acenaphthene

Concen: 0.381 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

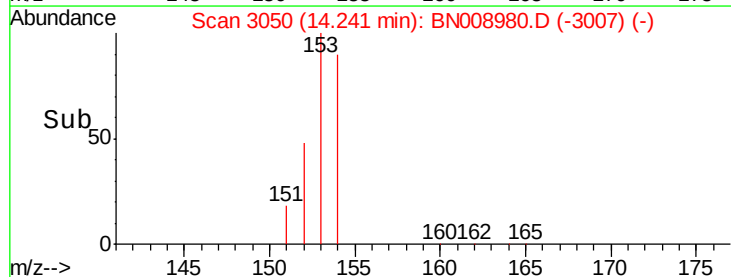
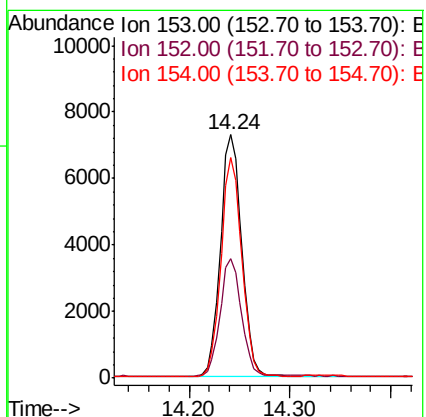
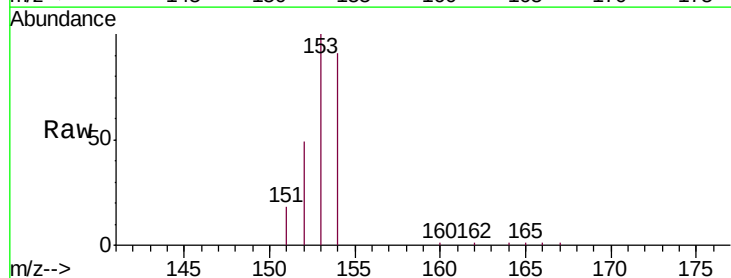
Tgt Ion:153 Resp: 10574

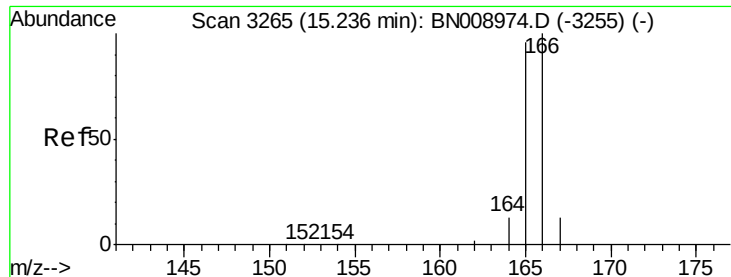
Ion Ratio Lower Upper

153 100

152 49.0 38.6 58.0

154 90.5 70.6 105.8

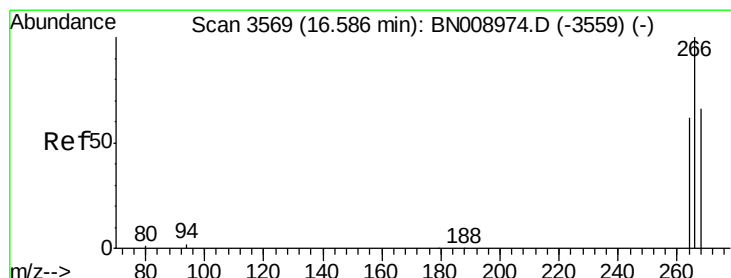
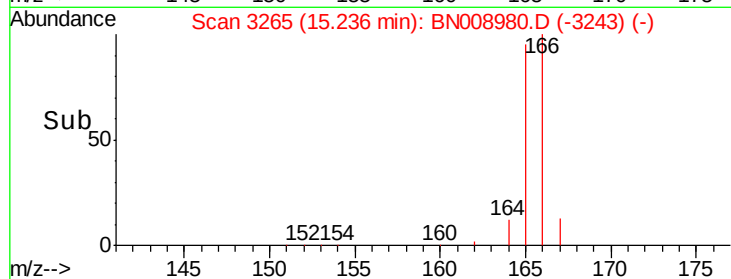
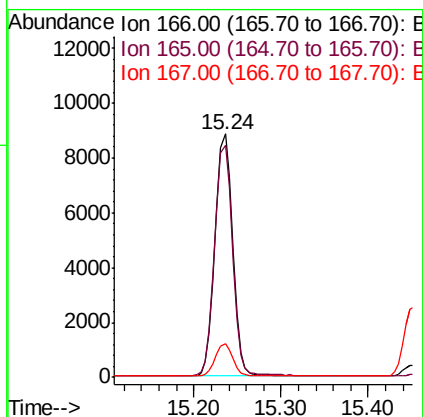
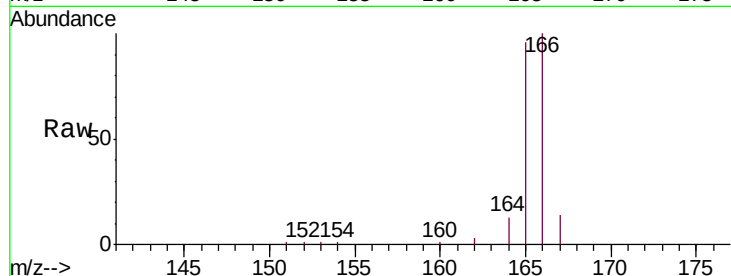




#9
Fluorene
 Concen: 0.381 ng/ul
 RT: 15.24 min Scan# 3265
 Delta R.T. -0.00 min
 Lab File: BN008980.D
 Acq: 13 Dec 2019 23:10

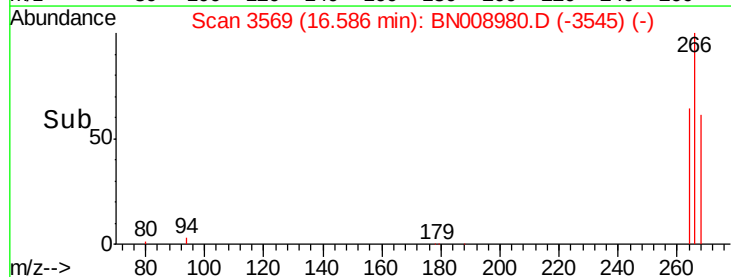
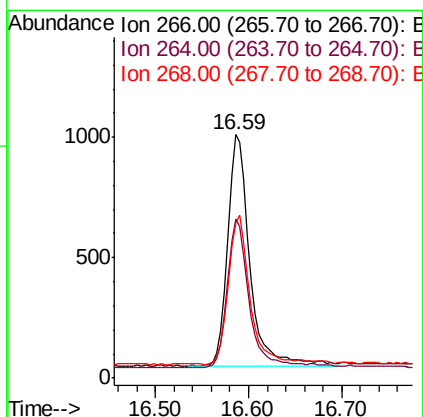
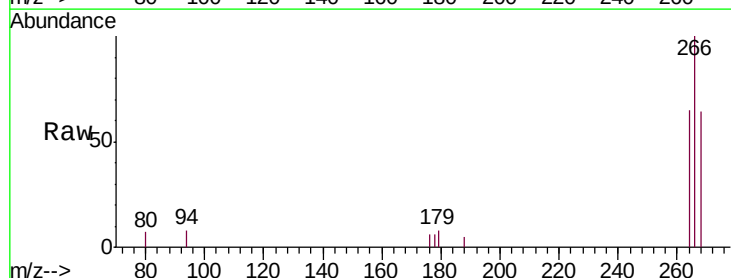
Instrument :
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 SLCS045

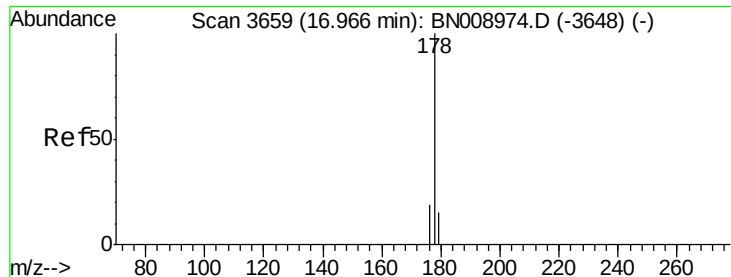
Tgt Ion:166 Resp: 12415
 Ion Ratio Lower Upper
 166 100
 165 95.5 77.7 116.5
 167 13.9 11.1 16.7



#11
Pentachlorophenol
 Concen: 0.283 ng/ul
 RT: 16.59 min Scan# 3569
 Delta R.T. -0.00 min
 Lab File: BN008980.D
 Acq: 13 Dec 2019 23:10

Tgt Ion:266 Resp: 1632
 Ion Ratio Lower Upper
 266 100
 264 63.2 50.4 75.6
 268 62.1 52.2 78.4





#12

Phenanthrene

Concen: 0.409 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

Instrument :

BNA_N

ClientSampleId :

SLCS045

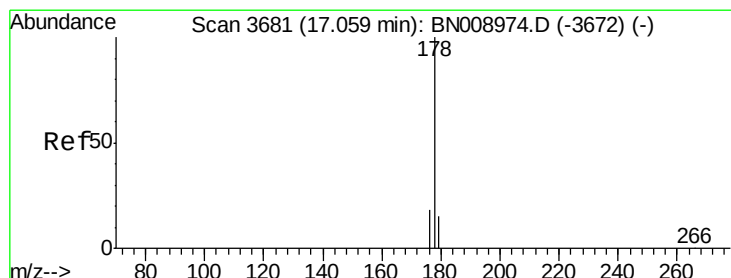
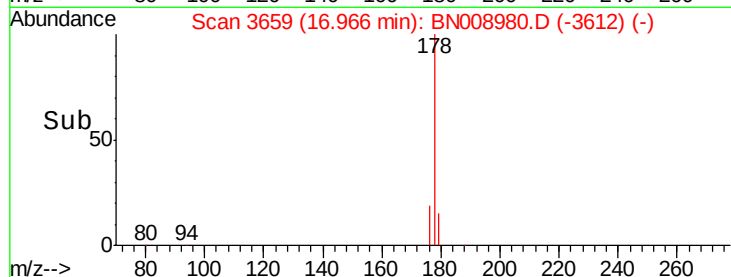
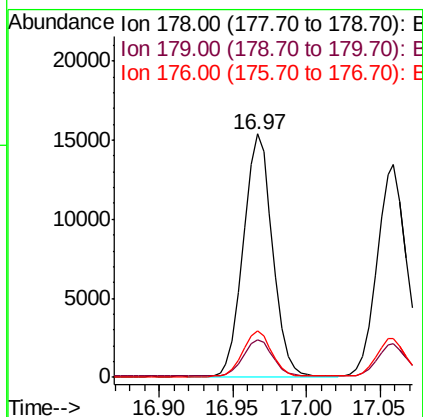
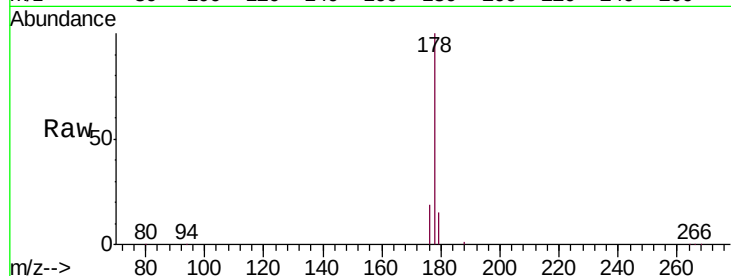
Tgt Ion:178 Resp: 21027

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.8 15.3 22.9



#13

Anthracene

Concen: 0.395 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

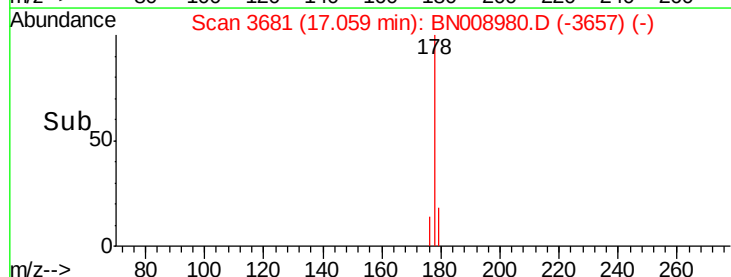
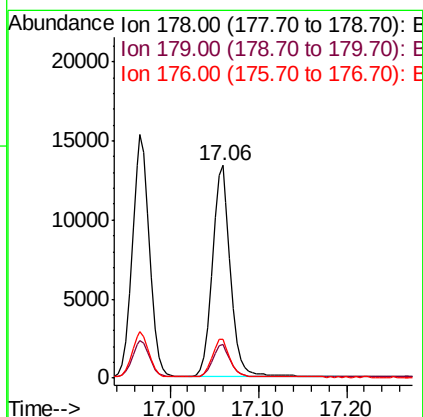
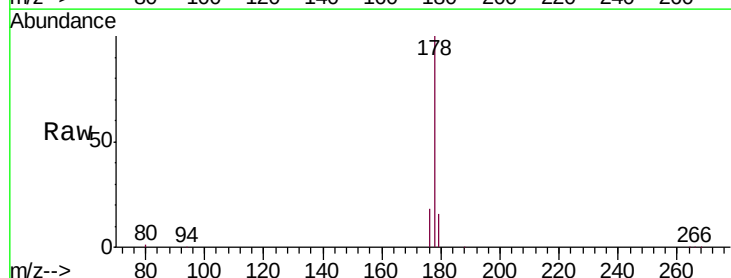
Tgt Ion:178 Resp: 19191

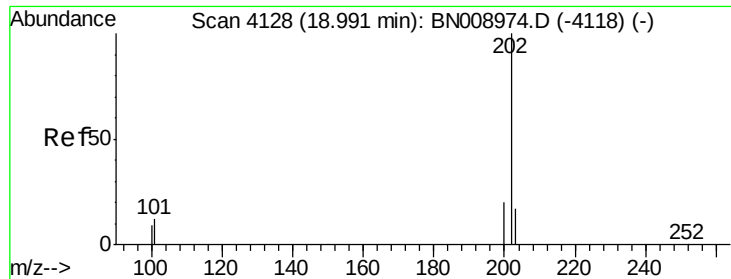
Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

176 18.2 14.7 22.1

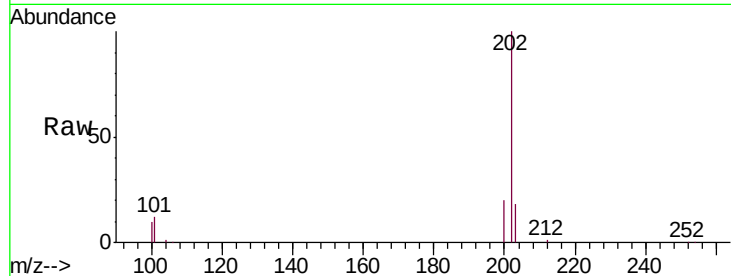




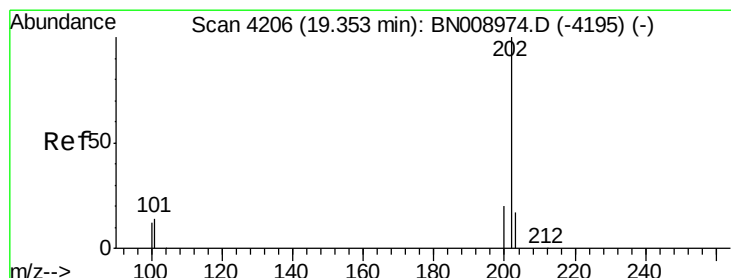
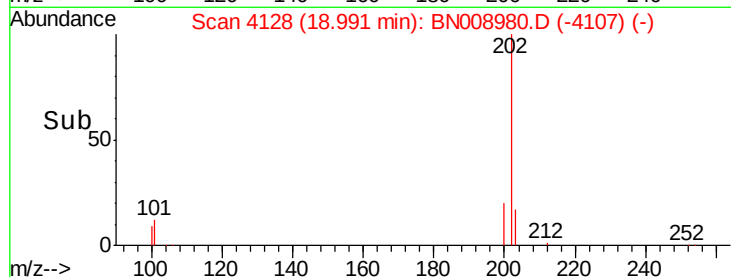
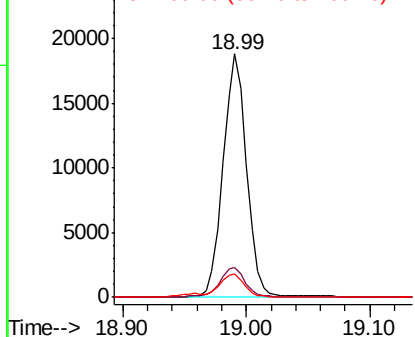
#15
Fluoranthene
Concen: 0.386 ng/ul
RT: 18.99 min Scan# 4128
Delta R.T. -0.00 min
Lab File: BN008980.D
Acq: 13 Dec 2019 23:10

Instrument :
BNA_N
ClientSampleId :
SLCS045

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.4
100	9.6	0.0	29.2

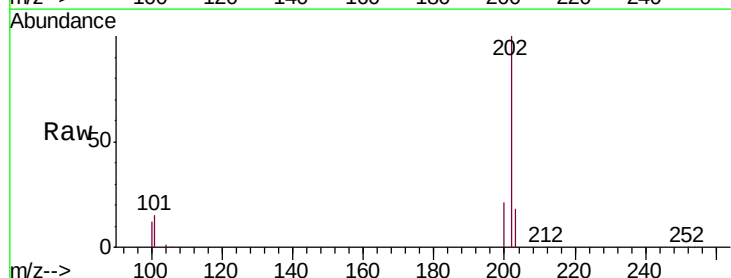


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

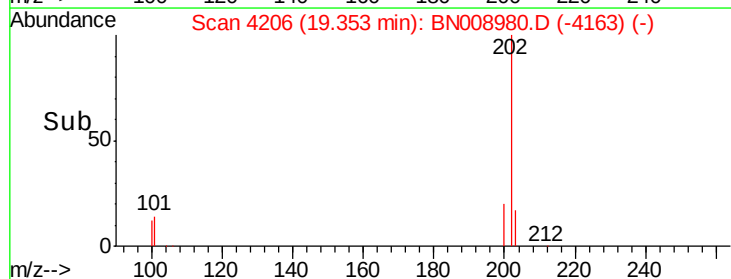
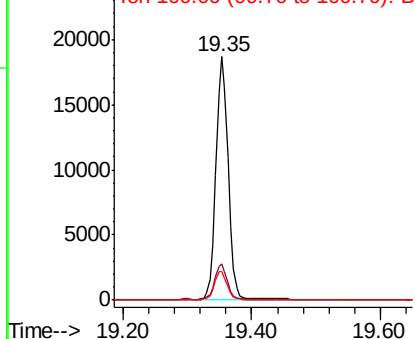


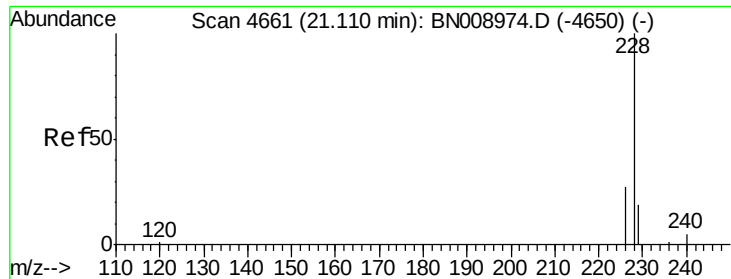
#17
Pyrene
Concen: 0.487 ng/ul
RT: 19.35 min Scan# 4206
Delta R.T. -0.00 min
Lab File: BN008980.D
Acq: 13 Dec 2019 23:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.2	18.4
100	11.9	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: 0.456 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

Instrument :

BNA_N

ClientSampleId :

SLCS045

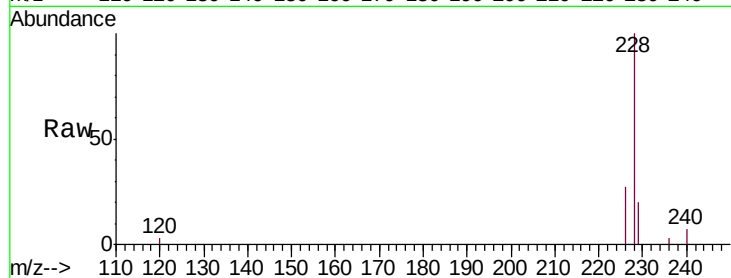
Tgt Ion:228 Resp: 22981

Ion Ratio Lower Upper

228 100

229 19.7 15.7 23.5

226 27.1 21.5 32.3

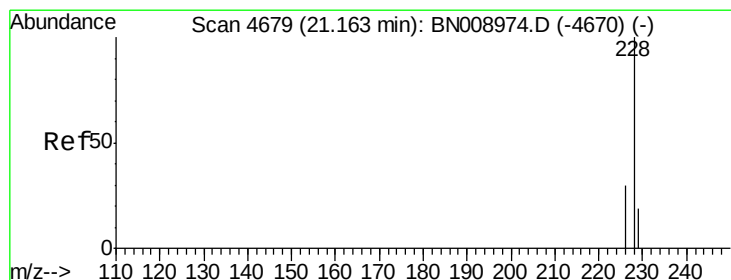
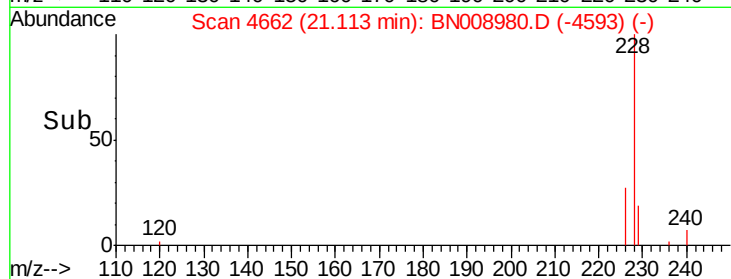
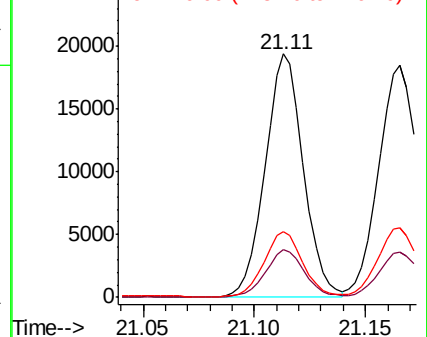


Abundance

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: 0.453 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. 0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

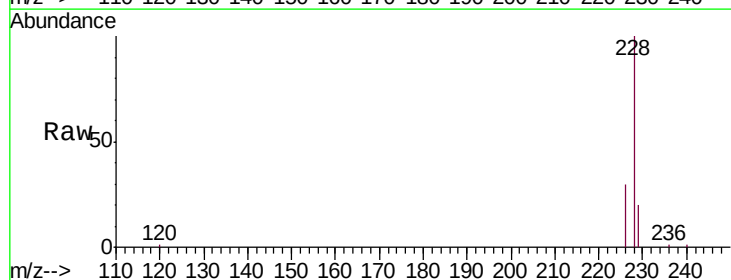
Tgt Ion:228 Resp: 22407

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 19.7 15.6 23.4

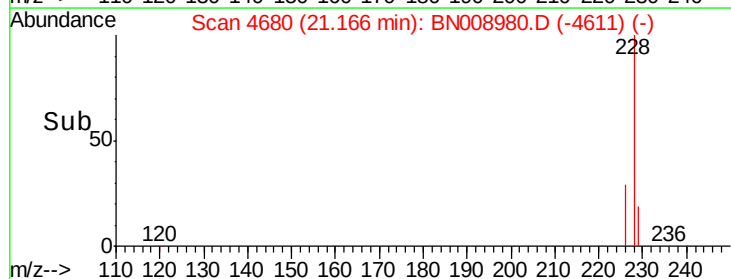
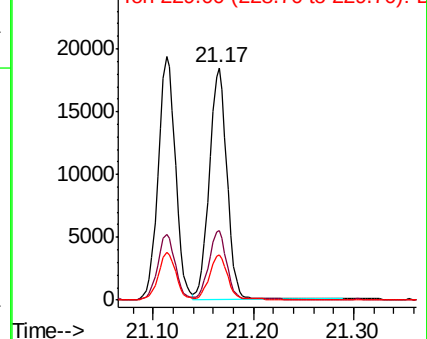


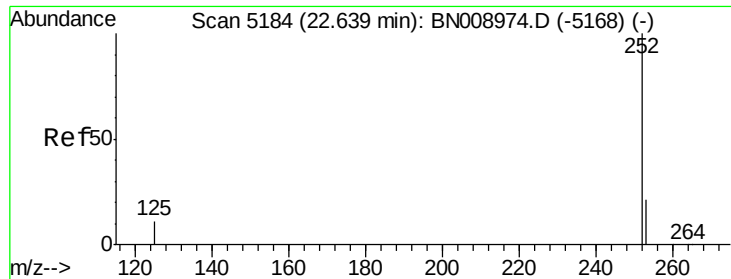
Abundance

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: 0.451 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. 0.00 min

Lab File: BN008980.D

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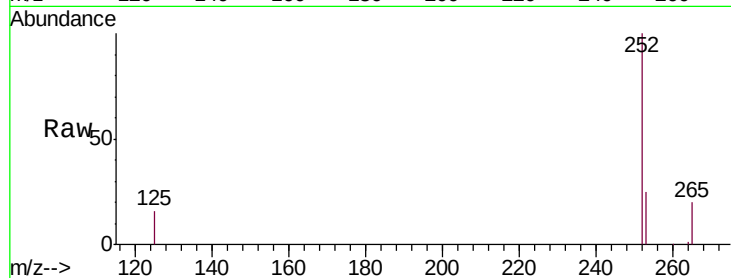
Tgt Ion:252 Resp: 19731

Ion Ratio Lower Upper

252 100

253 24.9 0.0 48.6

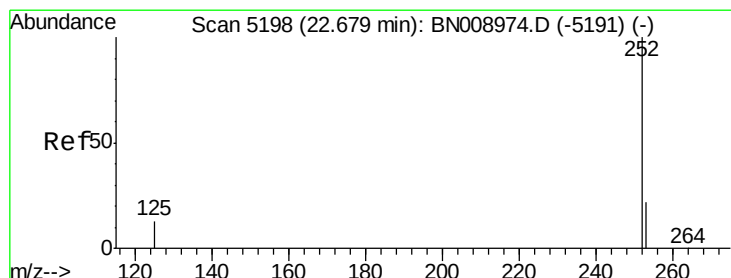
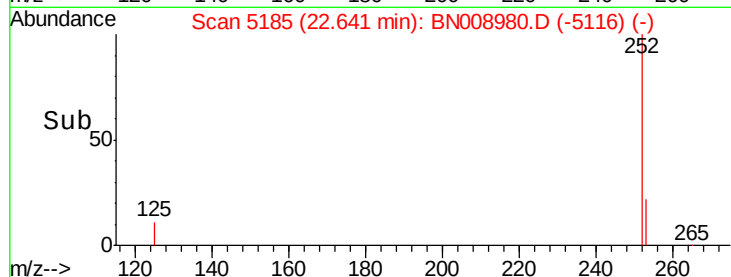
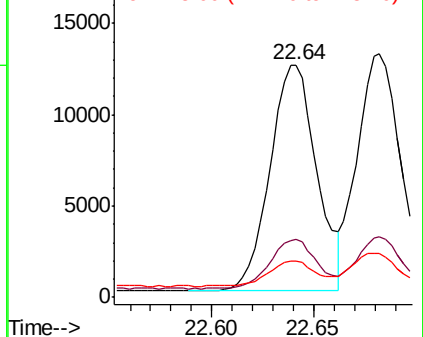
125 15.7 0.0 31.6



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: 0.447 ng/ul

RT: 22.68 min Scan# 5199

Delta R.T. 0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

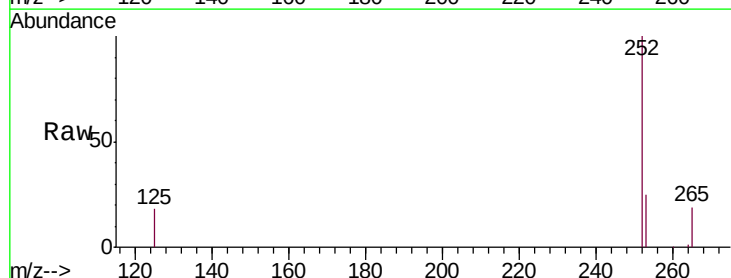
Tgt Ion:252 Resp: 19400

Ion Ratio Lower Upper

252 100

253 25.0 19.6 29.4

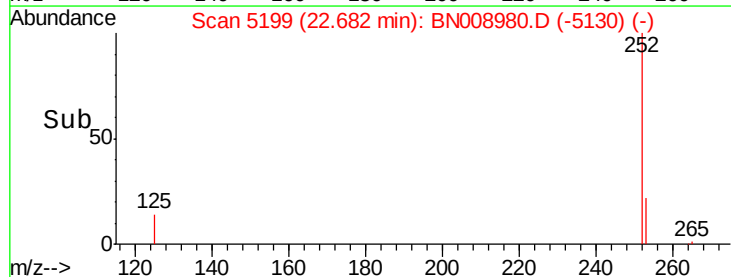
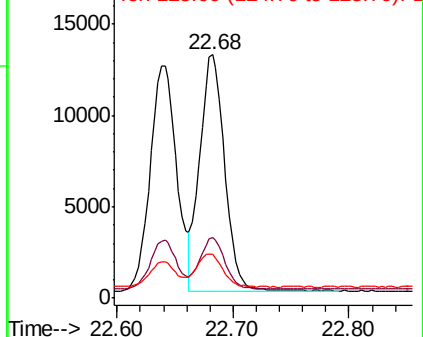
125 17.9 13.8 20.6

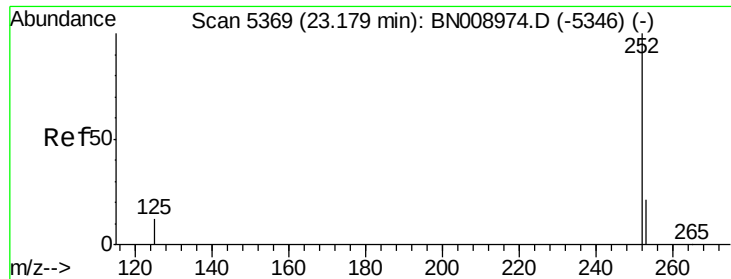


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.425 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. -0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

Instrument :

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ClientSampleId :

SLCS045

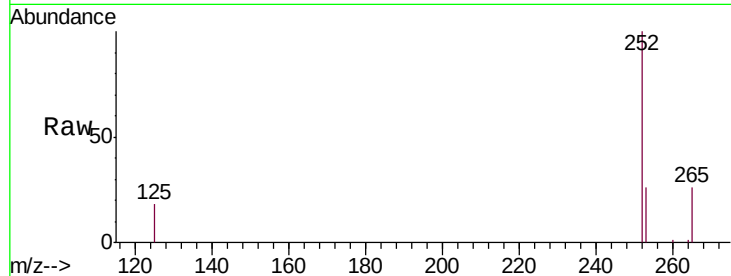
Tgt Ion:252 Resp: 17461

Ion Ratio Lower Upper

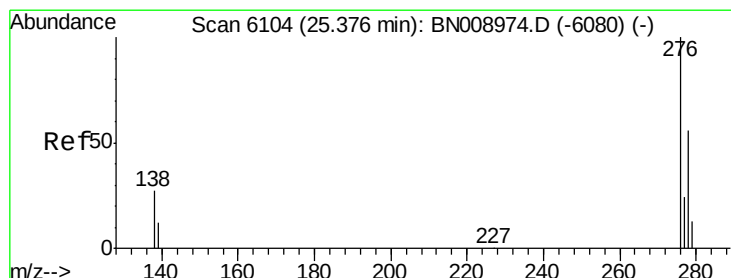
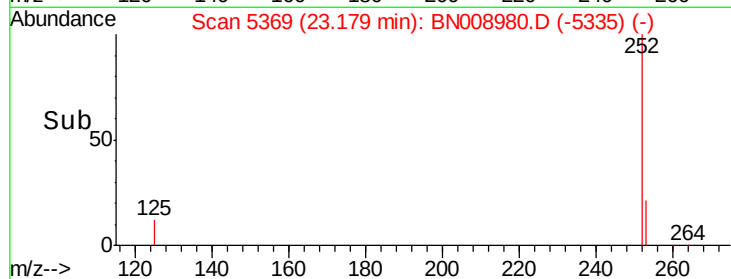
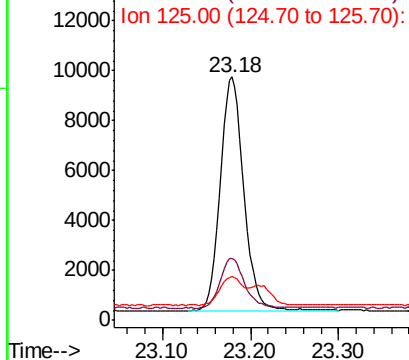
252 100

253 25.5 19.9 29.9

125 18.1 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: 0.363 ng/ul

RT: 25.38 min Scan# 6105

Delta R.T. 0.00 min

Lab File: BN008980.D

Acq: 13 Dec 2019 23:10

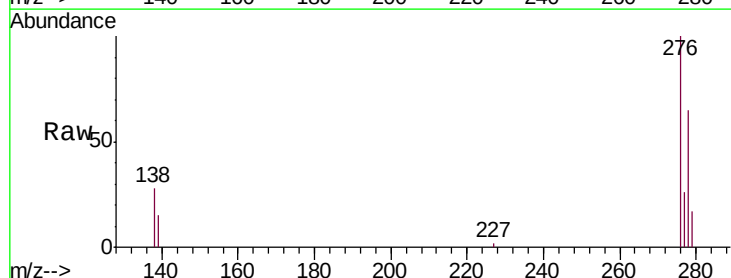
Tgt Ion:276 Resp: 17409

Ion Ratio Lower Upper

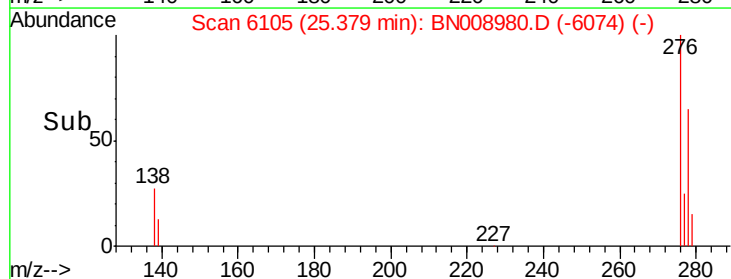
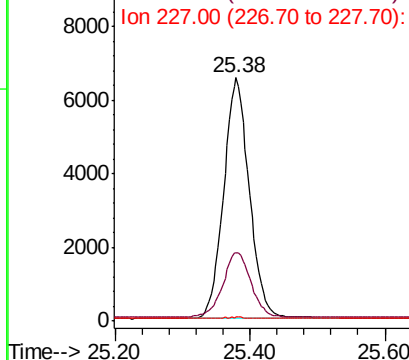
276 100

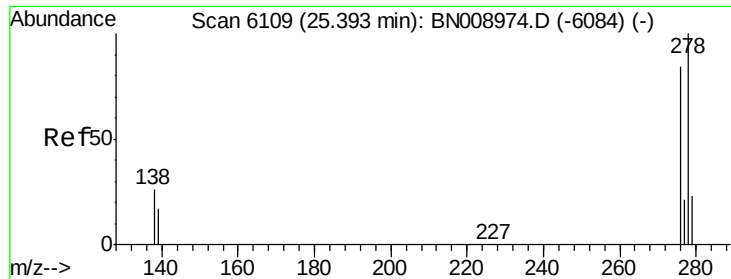
138 29.1 23.8 35.6

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



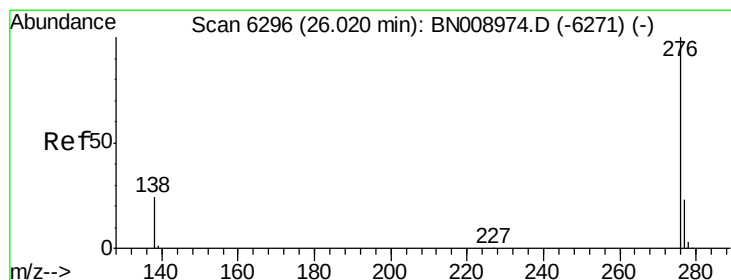
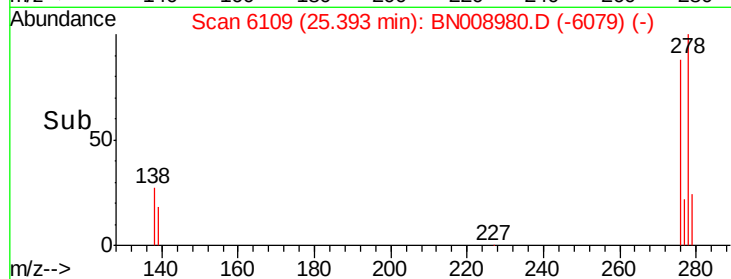
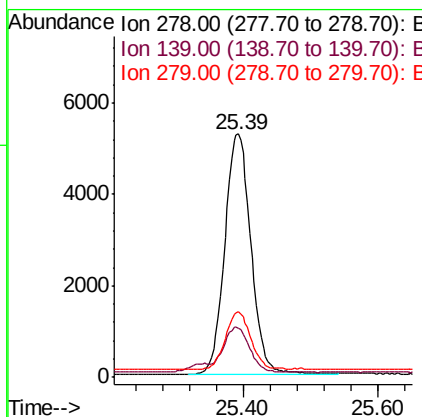
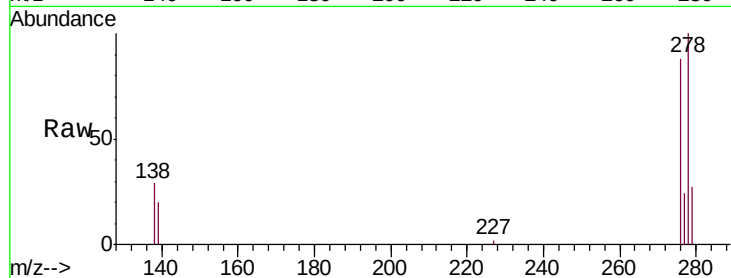


#25
Dibenzo(a,h)anthracene
Concen: 0.366 ng/ul
RT: 25.39 min Scan# 6109
Delta R.T. -0.00 min
Lab File: BN008980.D
Acq: 13 Dec 2019 23:10

Instrument :
BNA_N
ClientSampleId :
SLCS045

Tgt Ion: 278 Resp: 14182

Ion	Ratio	Lower	Upper
278	100		
139	20.4	17.4	26.0
279	26.7	20.5	30.7



#26
Benzo(g,h,i)perylene
Concen: 0.361 ng/ul
RT: 26.02 min Scan# 6295
Delta R.T. -0.00 min
Lab File: BN008980.D
Acq: 13 Dec 2019 23:10

Tgt Ion: 276 Resp: 14511

Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.9	32.9
277	25.4	19.9	29.9

