

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008916.D
 Acq On : 11 Dec 2019 14:35
 Operator : JU
 Sample : K6088-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:21:45 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 : Wed Dec 11 10:35:08 2019
 Response via : Initial Calibration

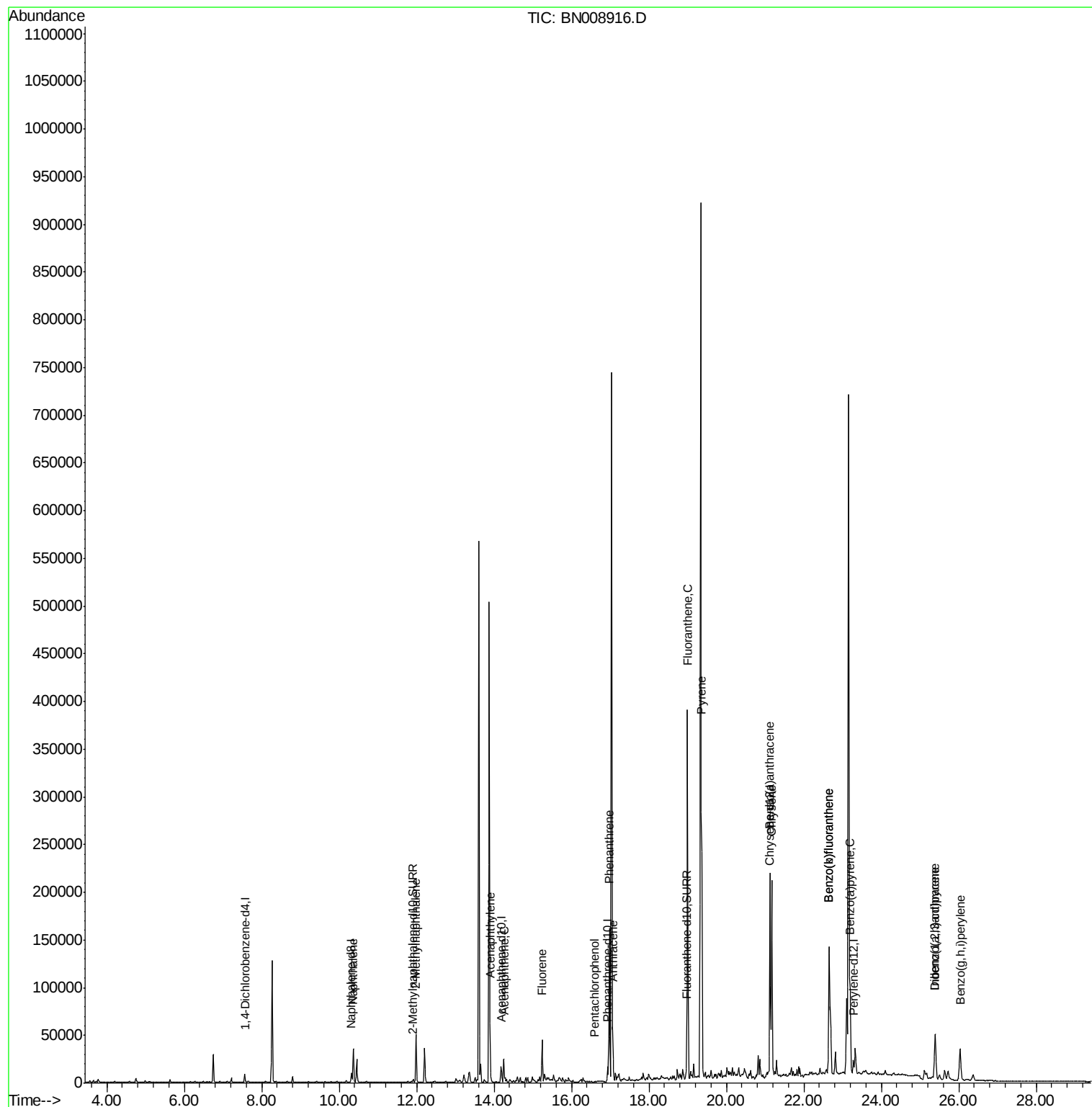
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2565	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	11534	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7760	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17268	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14730	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	16245	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	4080	0.22	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	12051	0.23	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	47469	1.365	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	34978	1.441	ng/ul	99
7) Acenaphthylene	13.90	152	16422	0.383	ng/ul#	96
8) Acenaphthene	14.25	153	14861	0.467	ng/ul	99
9) Fluorene	15.24	166	23570	0.630	ng/ul#	95
11) Pentachlorophenol	16.59	266	160	0.024	ng/ul	92
12) Phenanthrene	16.97	178	170886	2.934	ng/ul	99
13) Anthracene	17.06	178	54150	0.984	ng/ul	99
15) Fluoranthene	19.00	202	314067	4.390	ng/ul	99
17) Pyrene	19.36	202	261815	4.430	ng/ul	96
18) Benzo(a)anthracene	21.12	228	173257	2.925	ng/ul	95
19) Chrysene	21.17	228	193243	3.321	ng/ul	97
21) Benzo(b)fluoranthene	22.65	252	274561	4.099	ng/ul	97
22) Benzo(k)fluoranthene	22.65	252	274561	4.133	ng/ul	95
23) Benzo(a)pyrene	23.19	252	118298	1.881	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.39	276	68433	0.931	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.40	278	19530	0.329	ng/ul#	86
26) Benzo(g,h,i)perylene	26.03	276	62045	1.009	ng/ul	98

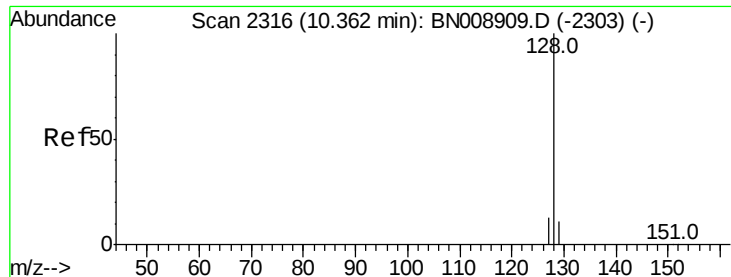
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.365 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

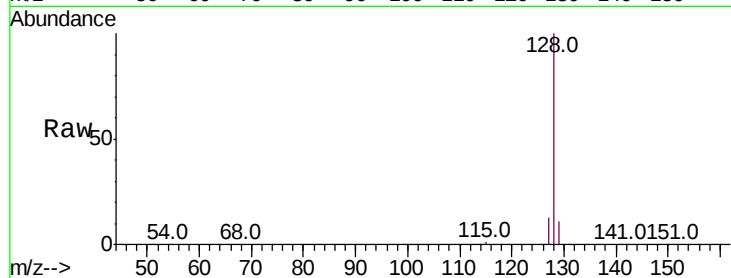
Tot Ion:128 Resp: 47469

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

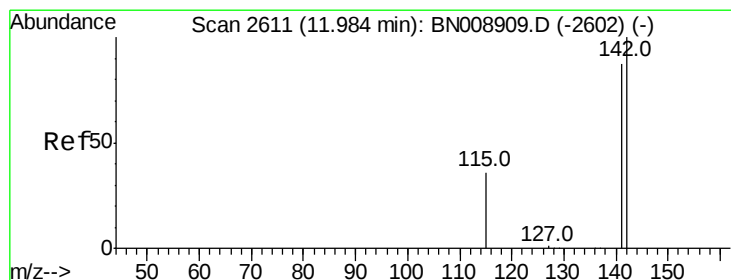
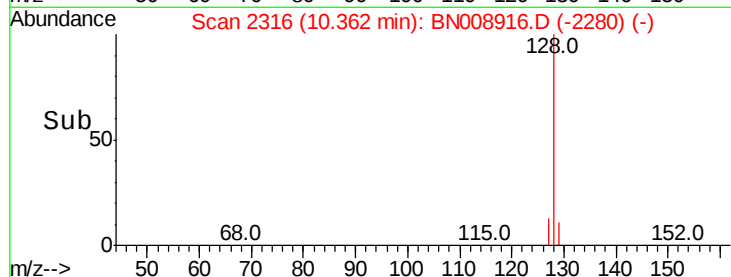
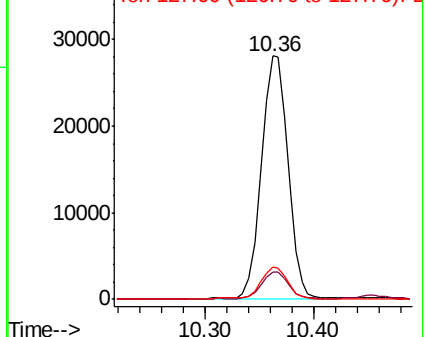
127 13.2 10.7 16.1



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: 1.441 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008916.D

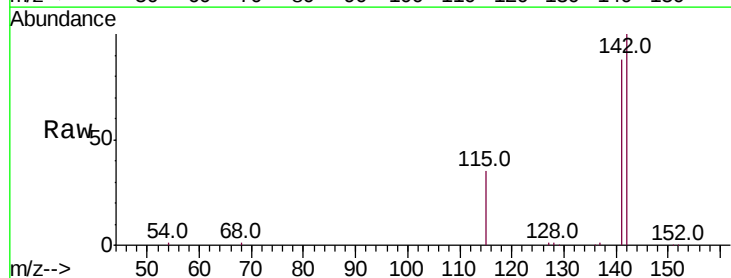
Acq: 11 Dec 2019 14:35

Tgt Ion:142 Resp: 34978

Ion Ratio Lower Upper

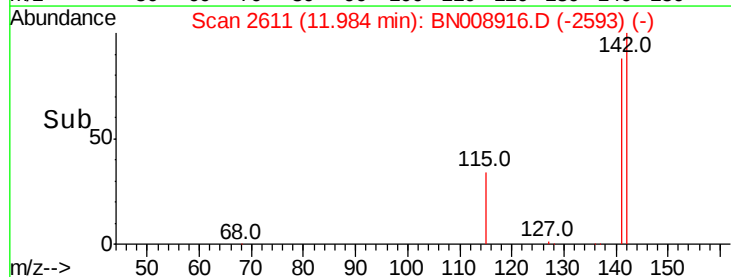
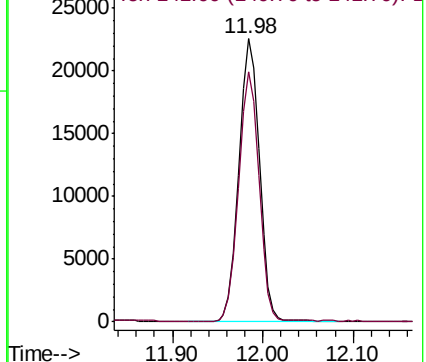
142 100

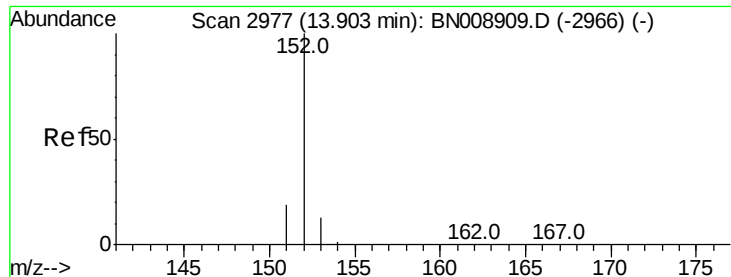
141 88.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.383 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampled :

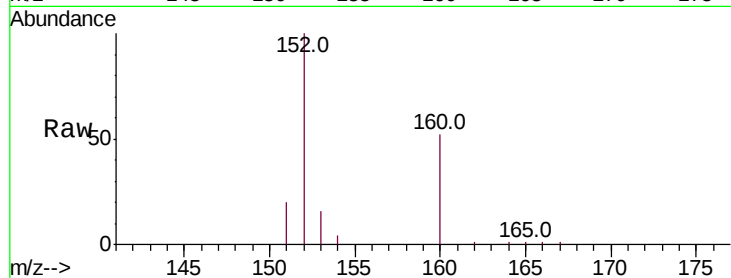
Tot Ion:152 Resp: 16422

Ion Ratio Lower Upper

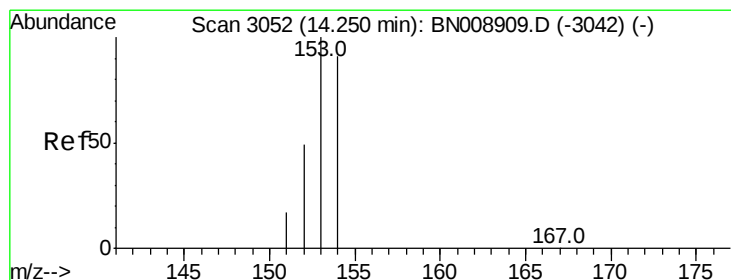
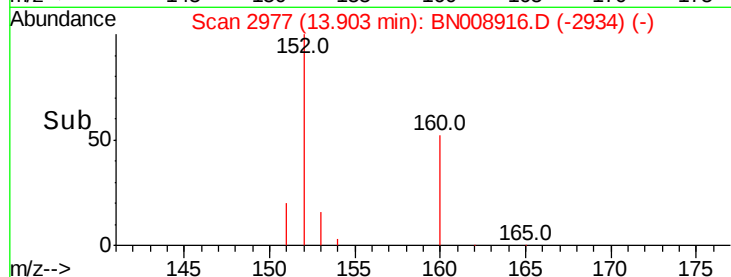
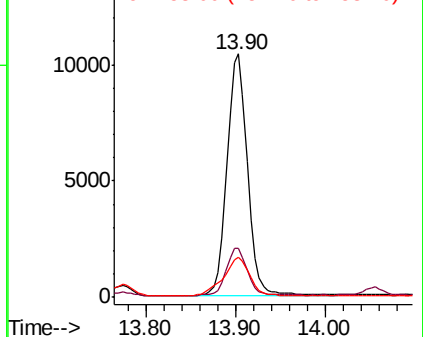
152 100

151 20.2 15.8 23.6

153 16.4 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: 0.467 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

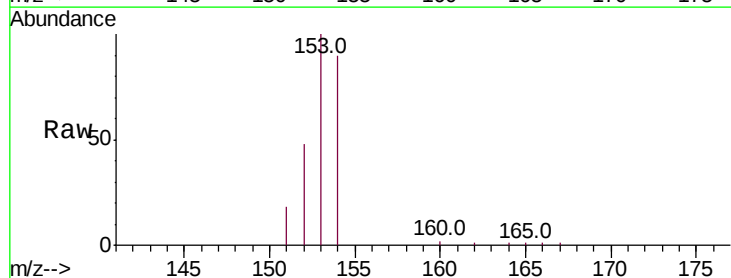
Tgt Ion:153 Resp: 14861

Ion Ratio Lower Upper

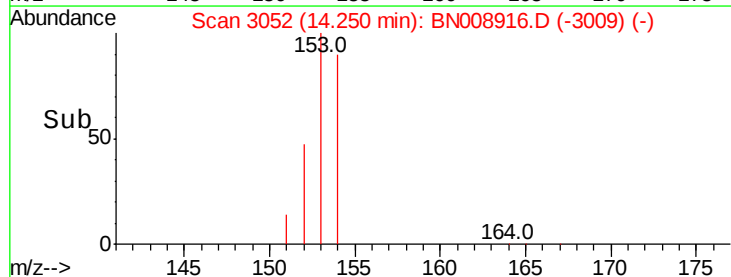
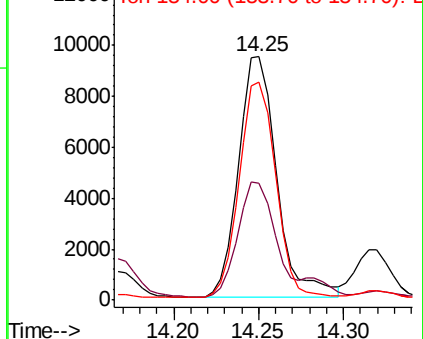
153 100

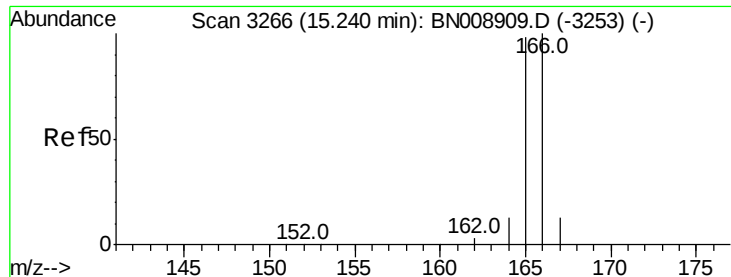
152 48.1 38.6 58.0

154 89.6 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: 0.630 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

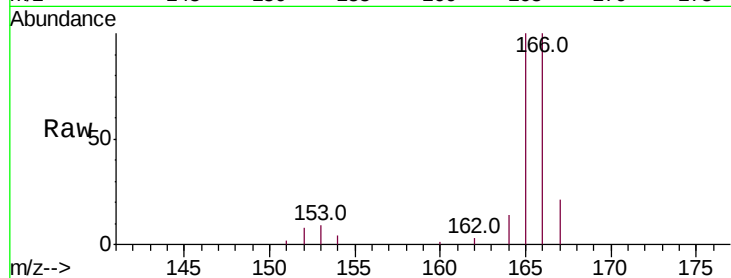
Tot Ion:166 Resp: 23570

Ion Ratio Lower Upper

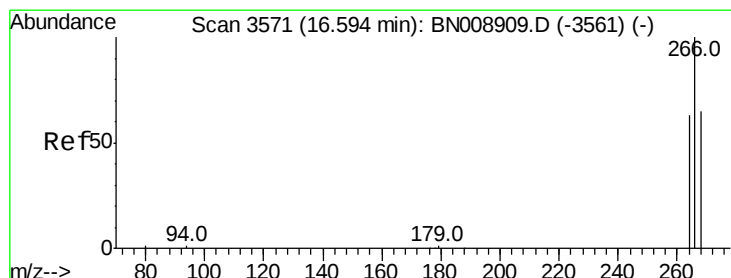
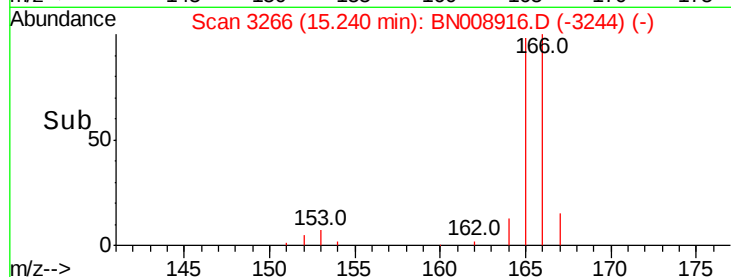
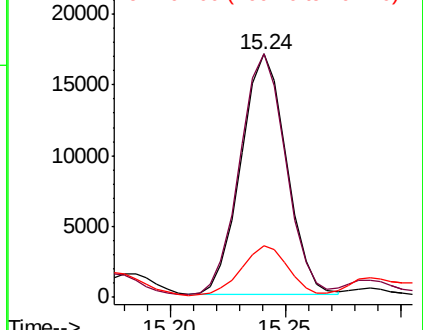
166 100

165 100.1 77.7 116.5

167 21.0 11.1 16.7#



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: 0.024 ng/ul

RT: 16.59 min Scan# 3571

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

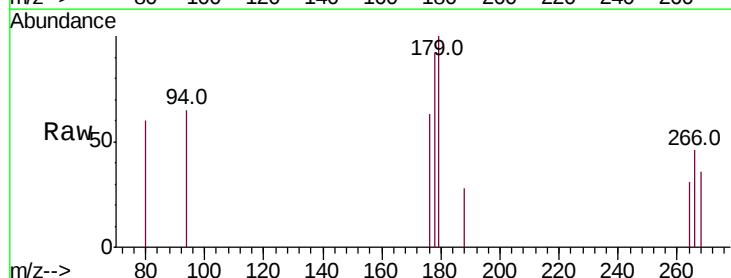
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

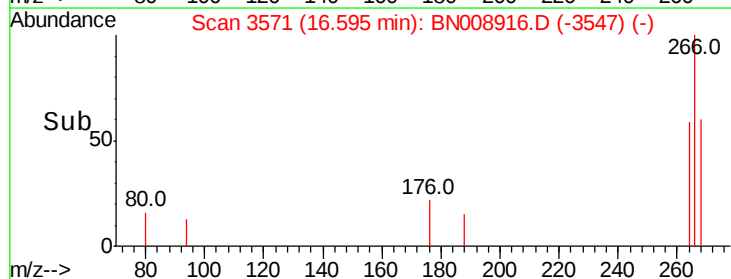
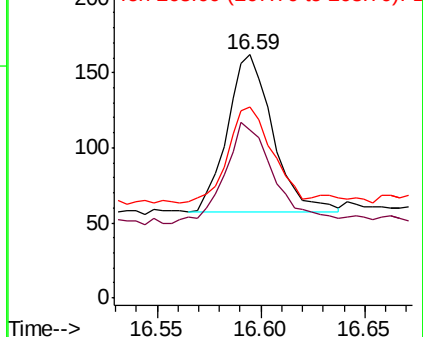
266 100

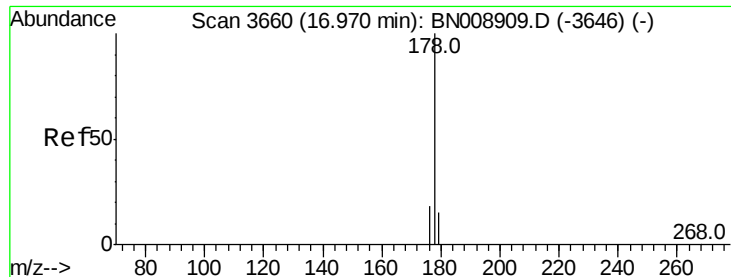
264 70.0 50.4 75.6

268 60.0 52.2 78.4



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: 2.934 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

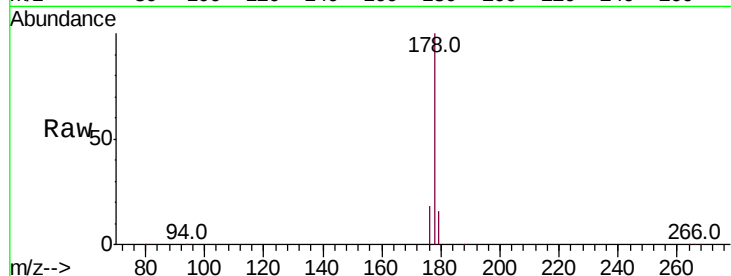
Tot Ion:178 Resp: 170886

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

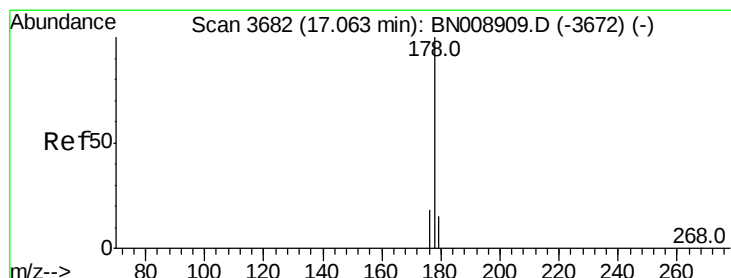
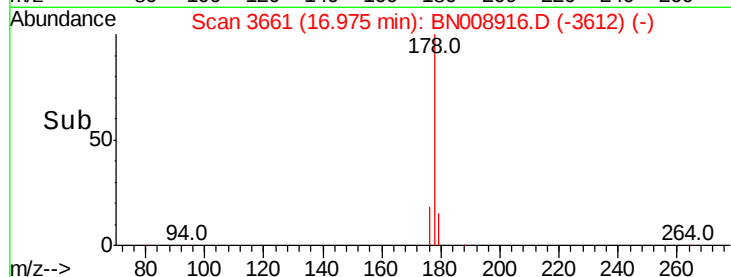
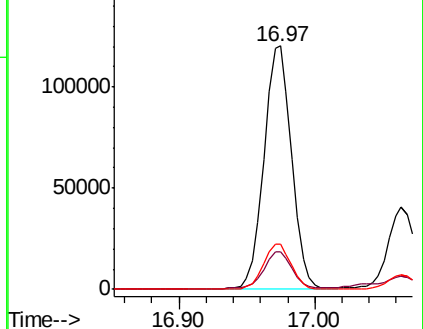
176 18.4 15.3 22.9



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: 0.984 ng/ul

RT: 17.06 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

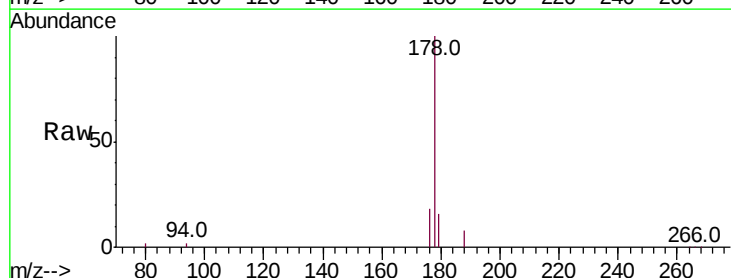
Tgt Ion:178 Resp: 54150

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

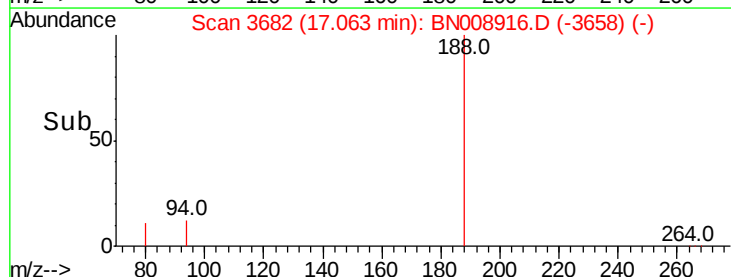
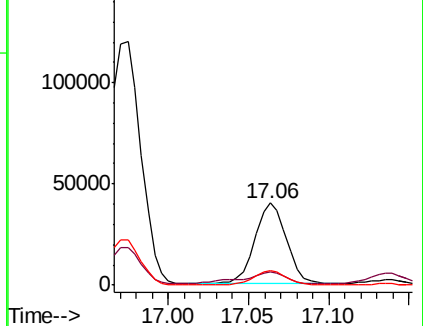
176 18.2 14.7 22.1

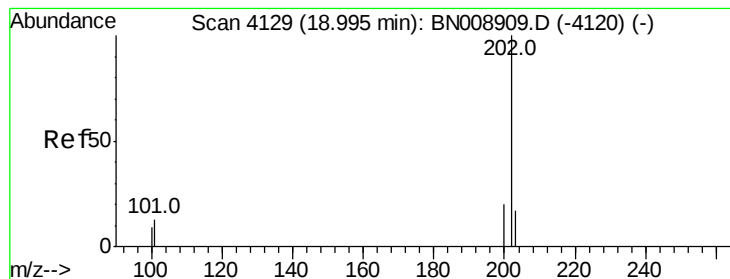


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 4.390 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

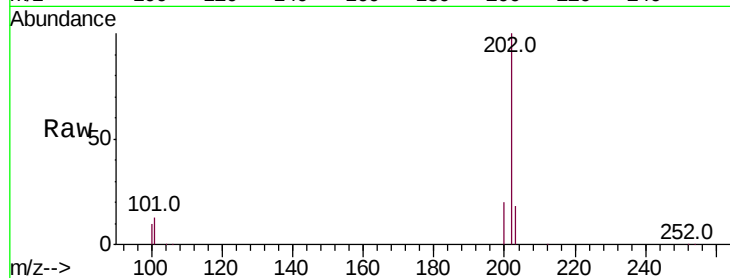
Tot Ion:202 Resp: 314067

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.4

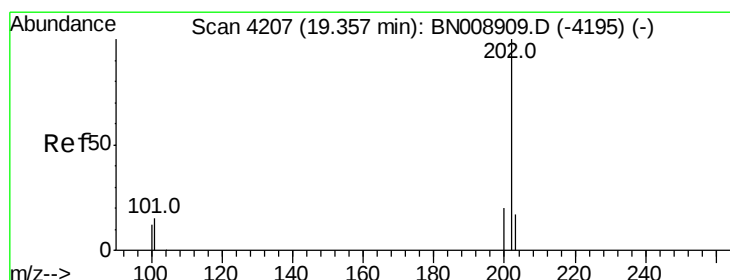
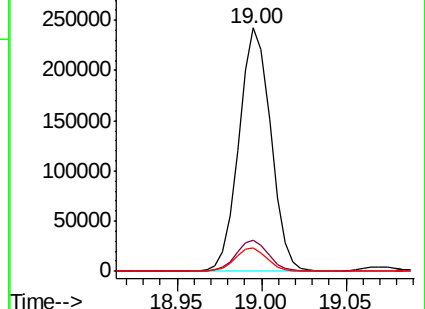
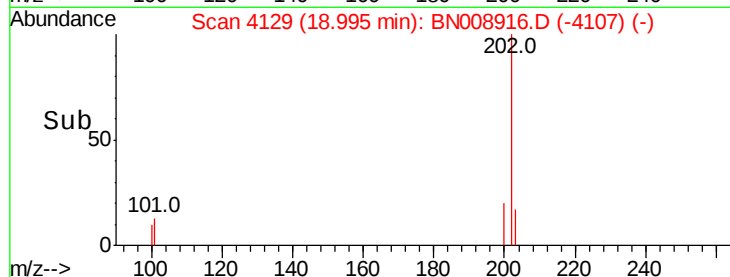
100 9.7 0.0 29.2



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: 4.430 ng/ul

RT: 19.36 min Scan# 4208

Delta R.T. 0.01 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

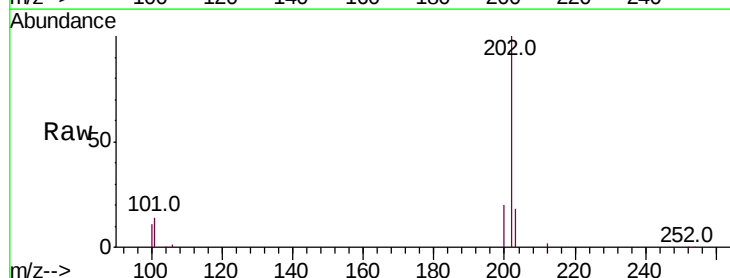
Tgt Ion:202 Resp: 261815

Ion Ratio Lower Upper

202 100

101 13.6 12.2 18.4

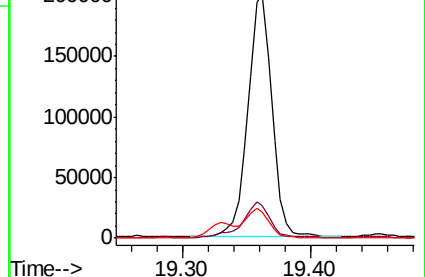
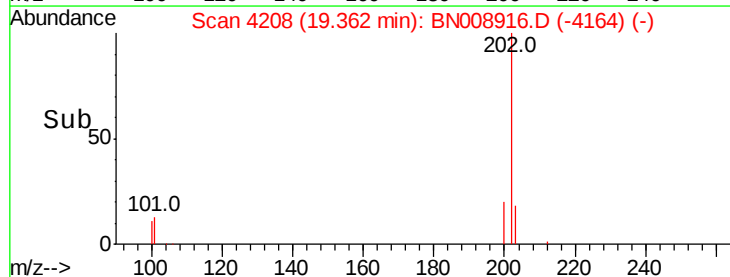
100 10.7 9.5 14.3

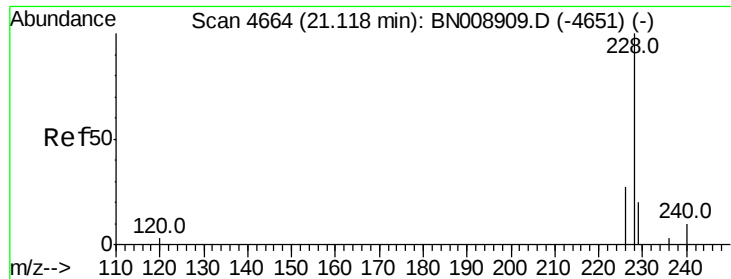


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 2.925 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

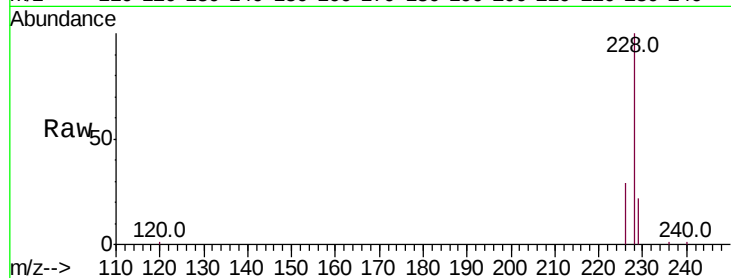
Tot Ion:228 Resp: 173257

Ion Ratio Lower Upper

228 100

229 22.4 15.7 23.5

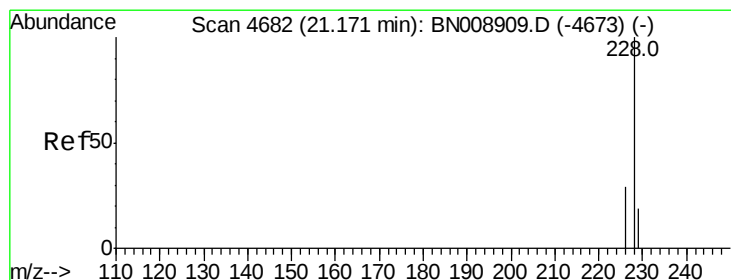
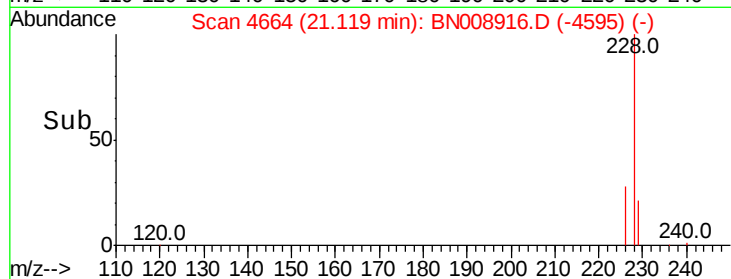
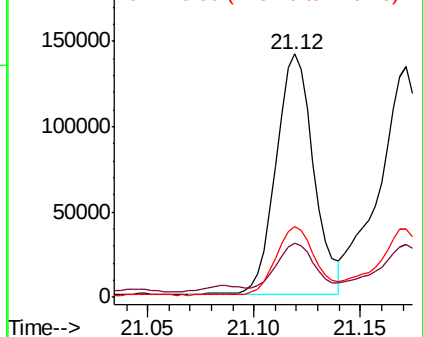
226 28.9 21.5 32.3



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: 3.321 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

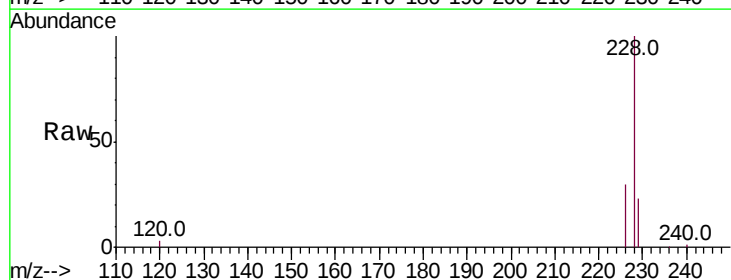
Tgt Ion:228 Resp: 193243

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

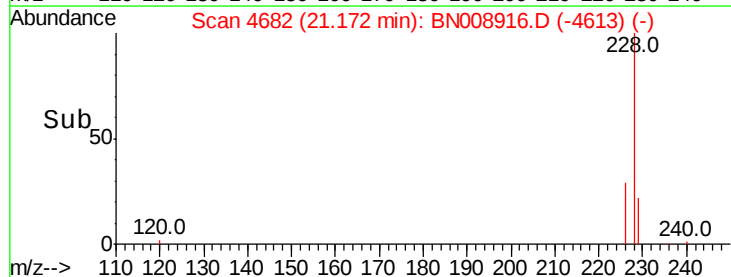
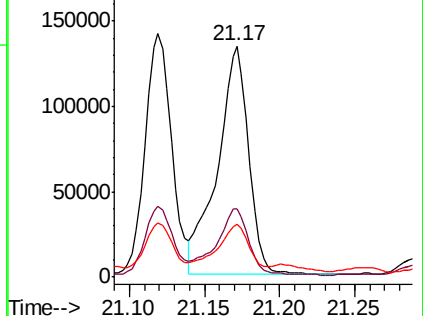
229 23.2 15.6 23.4

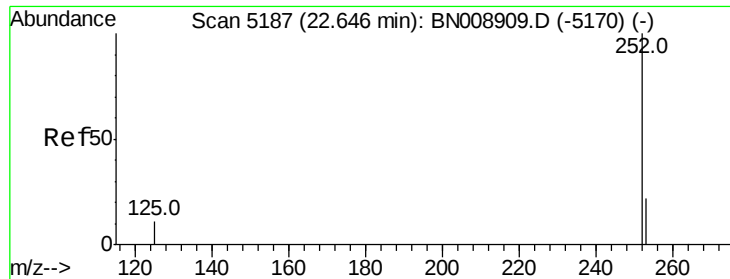


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.099 ng/u1

RT: 22.65 min Scan# 5187

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

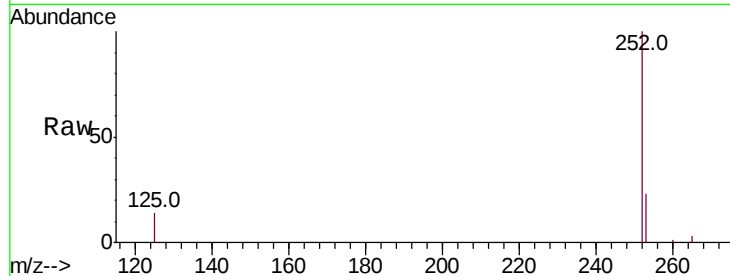
Tot Ion:252 Resp: 274561

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.6

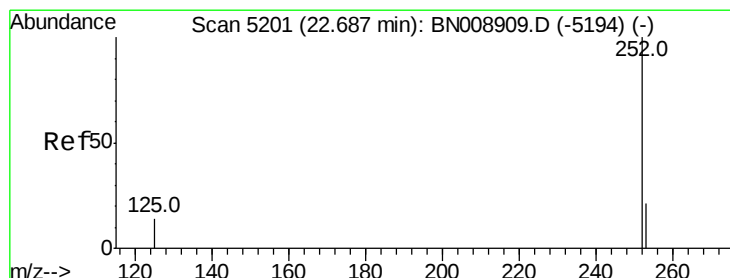
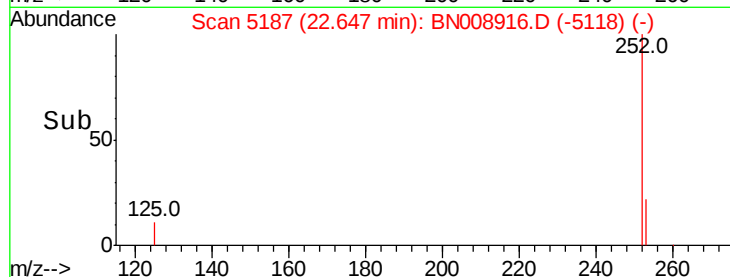
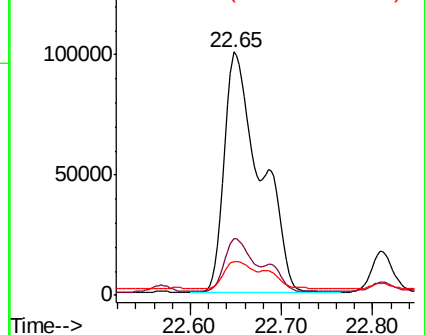
125 14.0 0.0 31.6



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: 4.133 ng/u1

RT: 22.65 min Scan# 5187

Delta R.T. -0.04 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

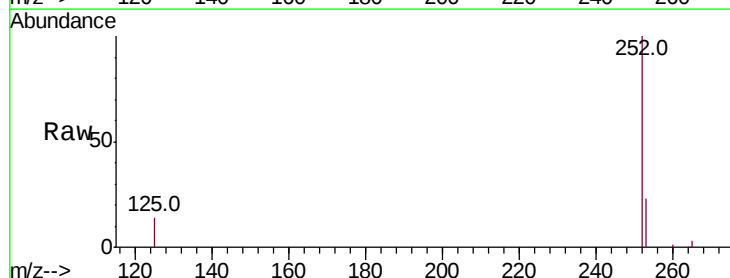
Tgt Ion:252 Resp: 274561

Ion Ratio Lower Upper

252 100

253 23.2 19.6 29.4

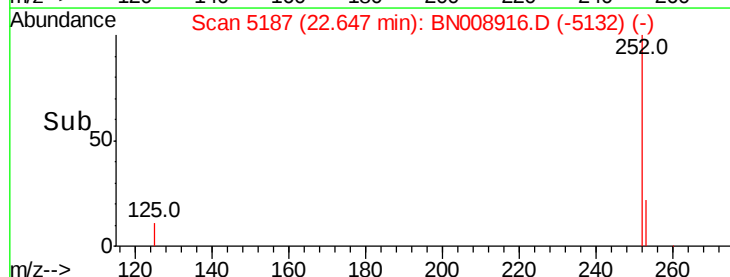
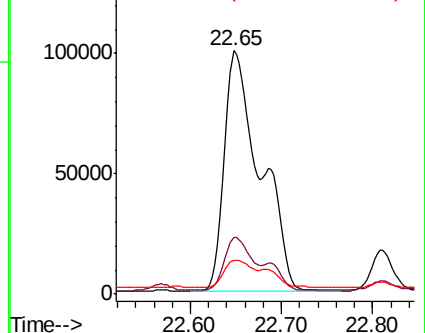
125 14.0 13.8 20.6

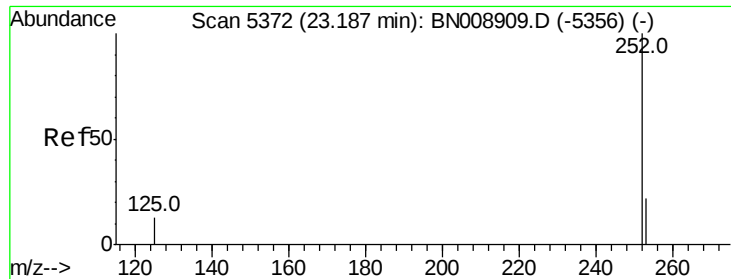


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.881 ng/ul

RT: 23.19 min Scan# 5373

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

Instrument :

BNA_N

ClientSampleId :

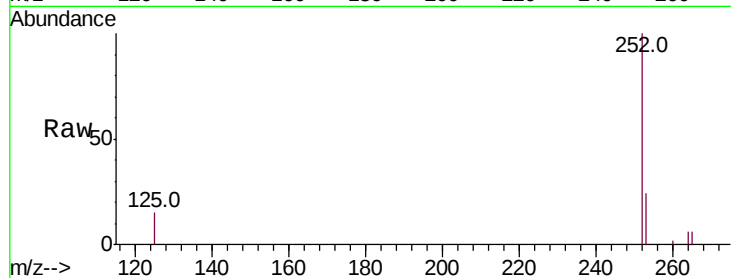
Tot Ion:252 Resp: 118298

Ion Ratio Lower Upper

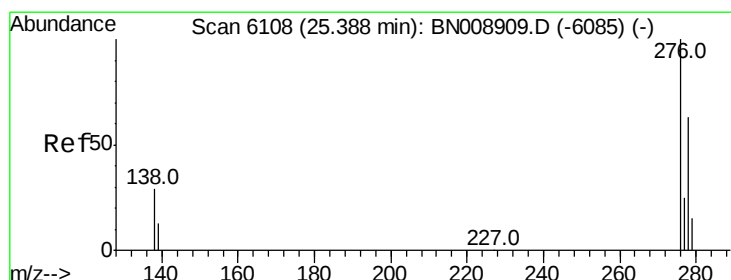
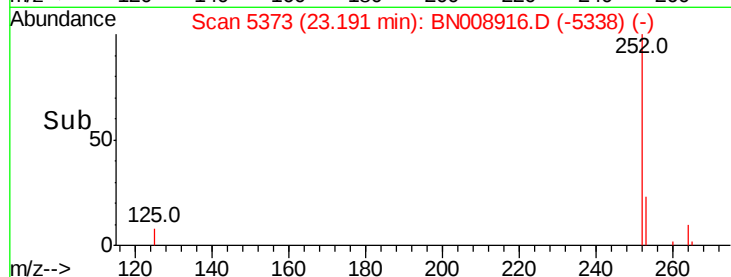
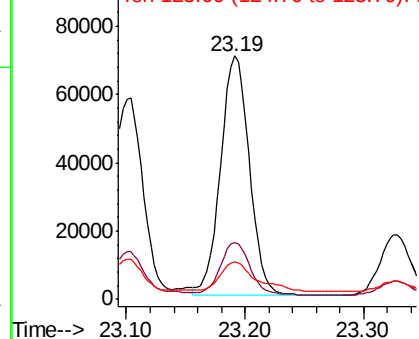
252 100

253 23.5 19.9 29.9

125 15.5 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: 0.931 ng/ul

RT: 25.39 min Scan# 6108

Delta R.T. 0.00 min

Lab File: BN008916.D

Acq: 11 Dec 2019 14:35

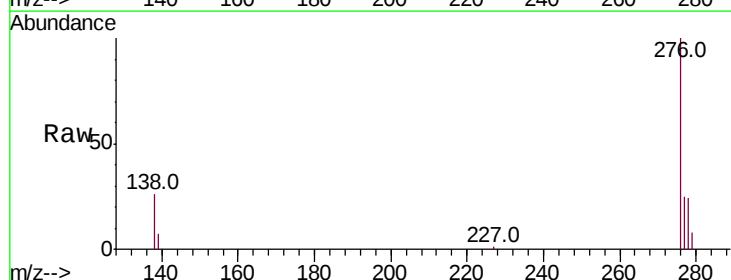
Tgt Ion:276 Resp: 68433

Ion Ratio Lower Upper

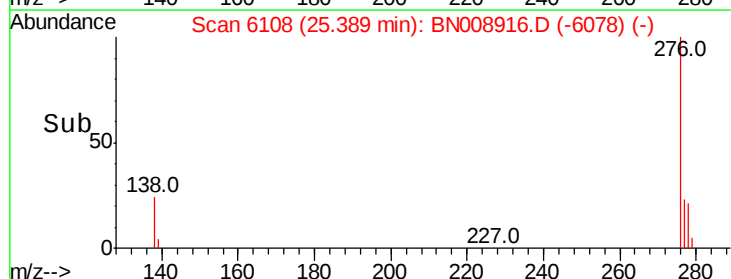
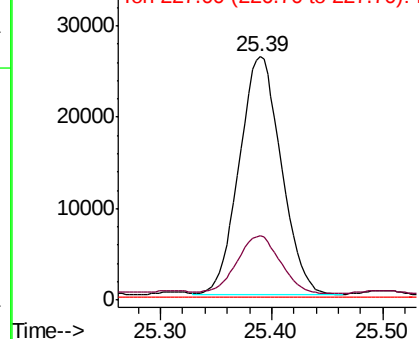
276 100

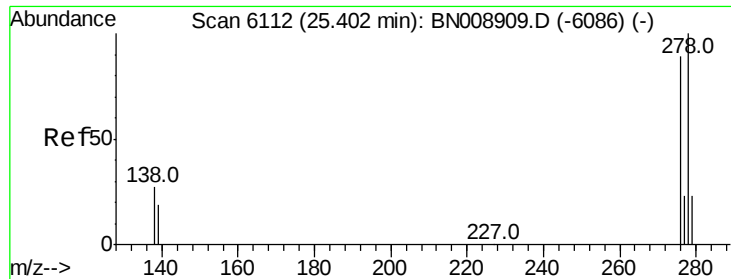
138 24.9 23.8 35.6

227 0.4 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

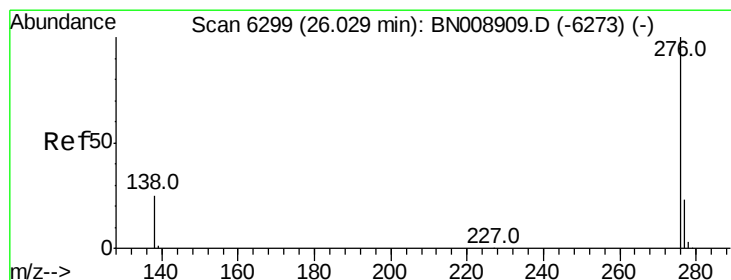
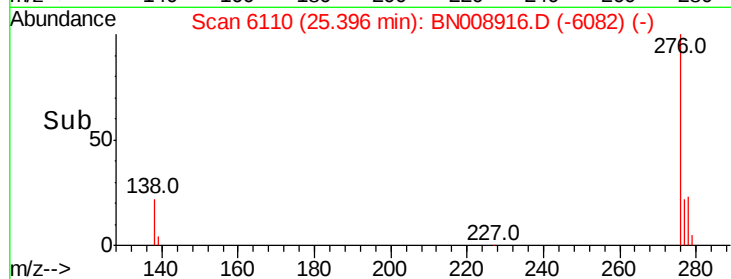
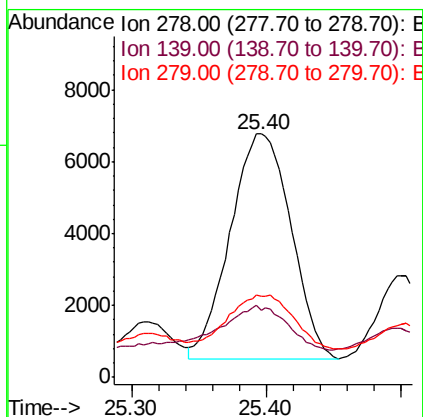
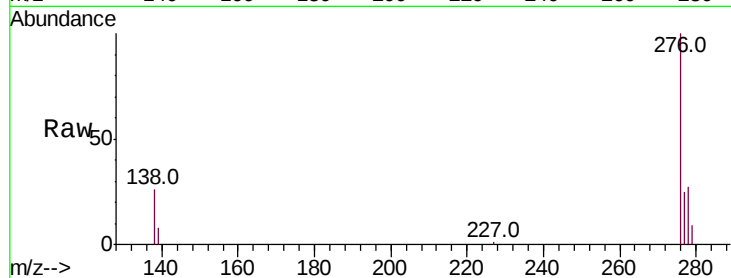




#25
Dibenzo(a,h)anthracene
Concen: 0.329 ng/u1
RT: 25.40 min Scan# 6110
Delta R.T. -0.01 min
Lab File: BN008916.D
Acq: 11 Dec 2019 14:35

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 19530
Ion Ratio Lower Upper
278 100
139 27.5 17.4 26.0#
279 33.4 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 1.009 ng/u1
RT: 26.03 min Scan# 6300
Delta R.T. 0.00 min
Lab File: BN008916.D
Acq: 11 Dec 2019 14:35

Tgt Ion:276 Resp: 62045
Ion Ratio Lower Upper
276 100
138 26.3 21.9 32.9
277 25.4 19.9 29.9

