

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008289.D
 Acq On : 21 Oct 2019 18:51
 Operator : JU
 Sample : K5178-11DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 00:01:14 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 21 23:58:15 2019
 Response via : Initial Calibration

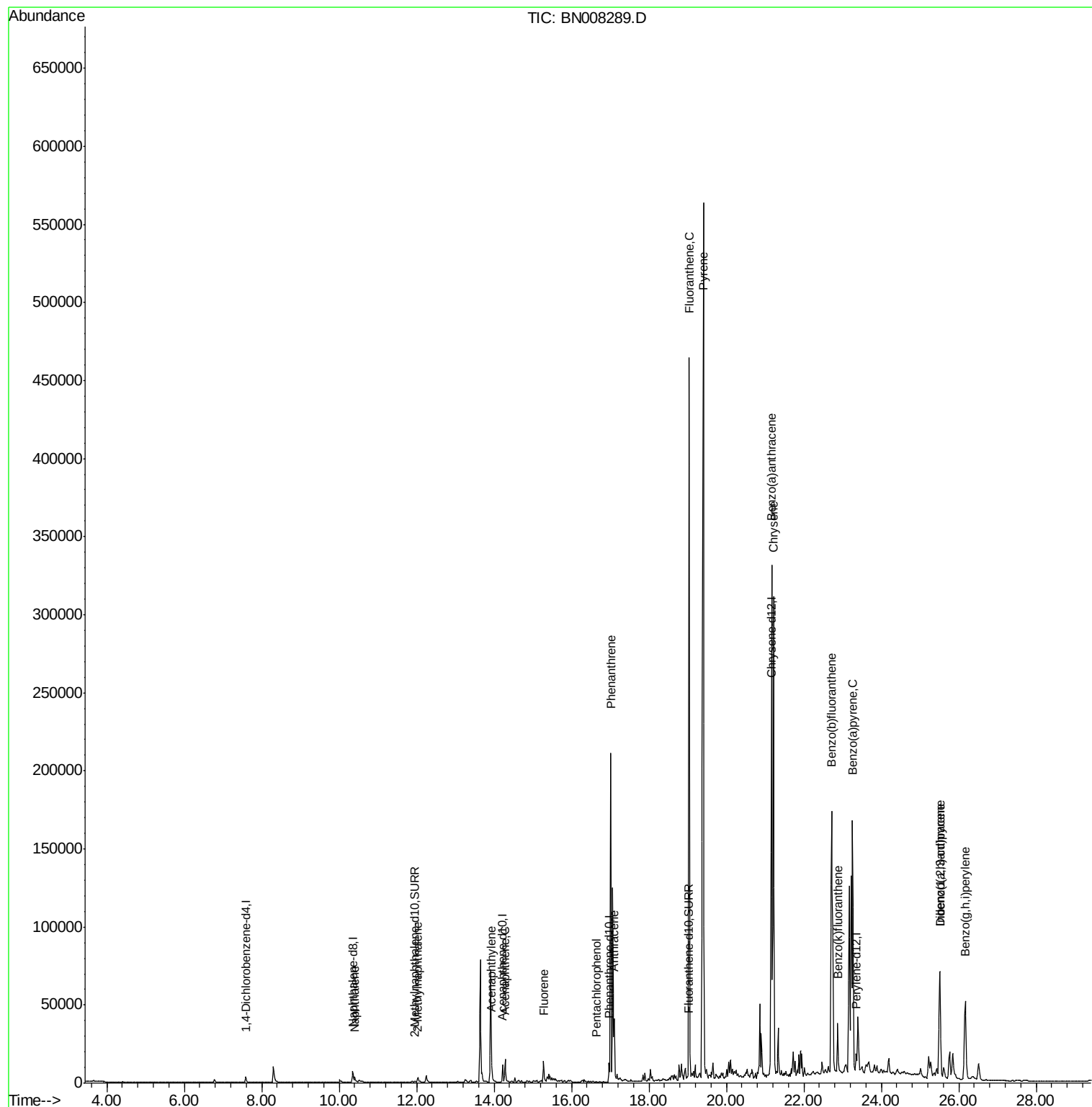
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2118	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10055	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6372	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	13685	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13683	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13720	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	859	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3118	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	4389	0.153	ng/ul	97
5) 2-Methylnaphthalene	12.03	142	3170	0.161	ng/ul	99
7) Acenaphthylene	13.94	152	9271	0.305	ng/ul	98
8) Acenaphthene	14.28	153	8778	0.372	ng/ul	98
9) Fluorene	15.28	166	8778	0.328	ng/ul	97
11) Pentachlorophenol	16.64	266	113	0.034	ng/ul	96
12) Phenanthrene	17.01	178	223127	5.569	ng/ul	98
13) Anthracene	17.10	178	41005	1.163	ng/ul	99
15) Fluoranthene	19.04	202	377050	7.125	ng/ul	98
17) Pyrene	19.40	202	468841	8.606	ng/ul	99
18) Benzo(a)anthracene	21.16	228	273481	5.497	ng/ul	98
19) Chrysene	21.21	228	286472	4.692	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	369331	8.269	ng/ul	92
22) Benzo(k)fluoranthene	22.87	252	35707	0.706	ng/ul	99
23) Benzo(a)pyrene	23.26	252	216572	4.608	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.51	276	101176	1.828	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.51	278	30819	0.704	ng/ul	99
26) Benzo(g,h,i)perylene	26.16	276	103231	2.034	ng/ul	98

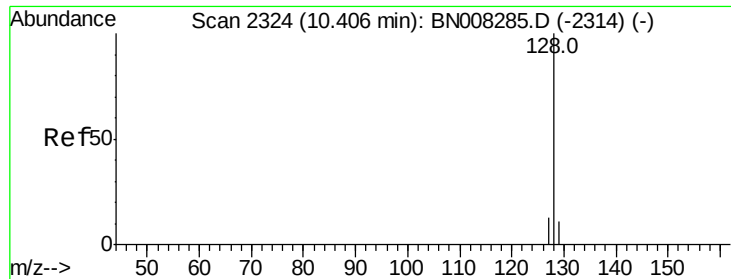
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.153 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

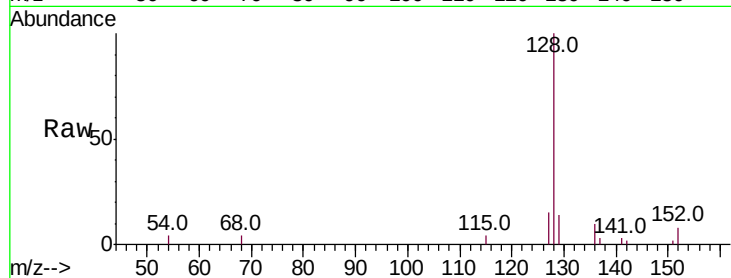
Tot Ion:128 Resp: 4389

Ion Ratio Lower Upper

128 100

129 13.7 9.8 14.8

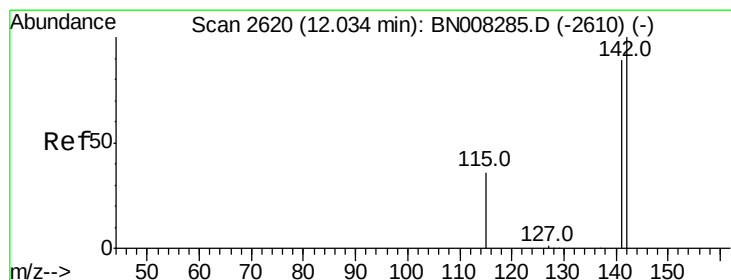
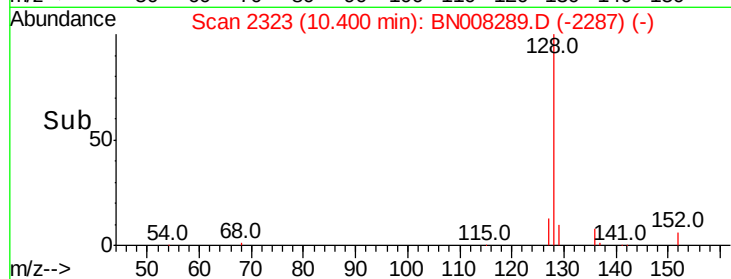
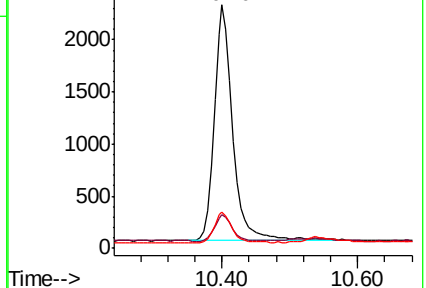
127 14.8 11.1 16.7



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: 0.161 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN008289.D

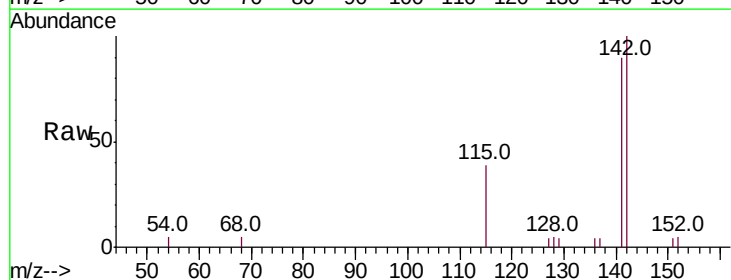
Acq: 21 Oct 2019 18:51

Tgt Ion:142 Resp: 3170

Ion Ratio Lower Upper

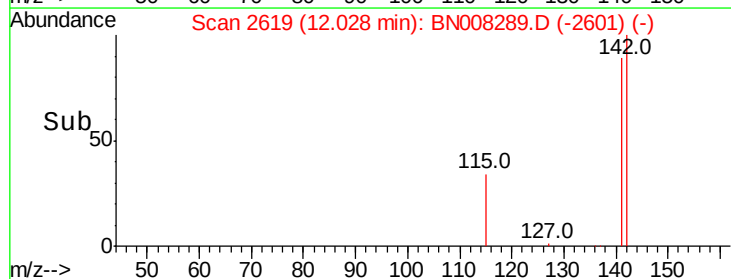
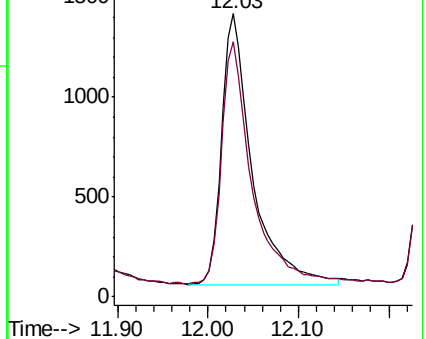
142 100

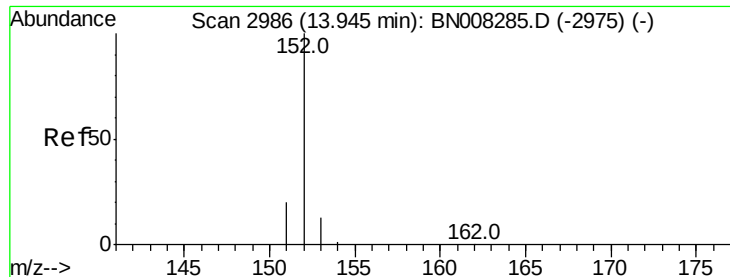
141 88.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.305 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

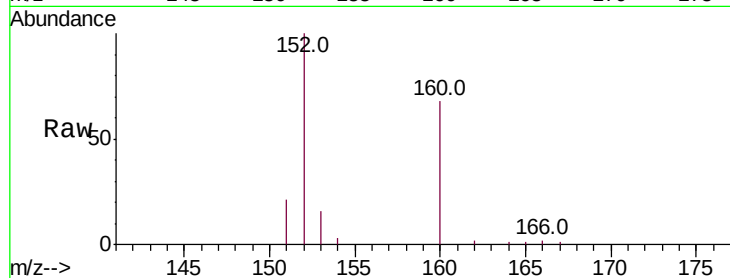
Tot Ion:152 Resp: 9271

Ion Ratio Lower Upper

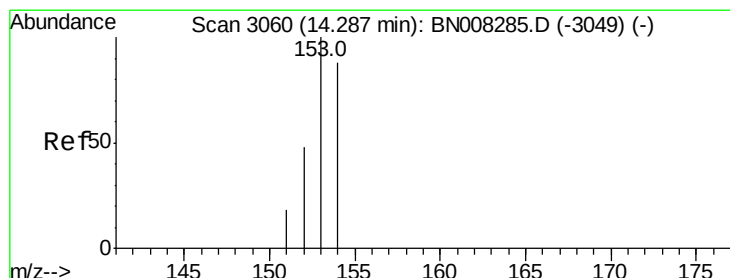
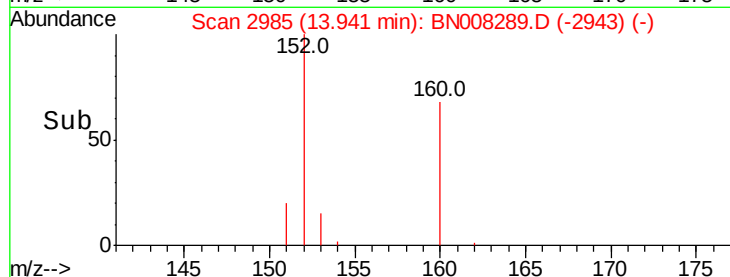
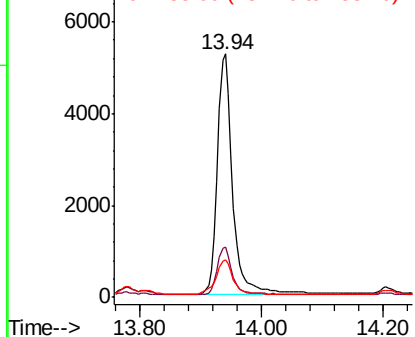
152 100

151 20.6 16.2 24.4

153 15.6 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: 0.372 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

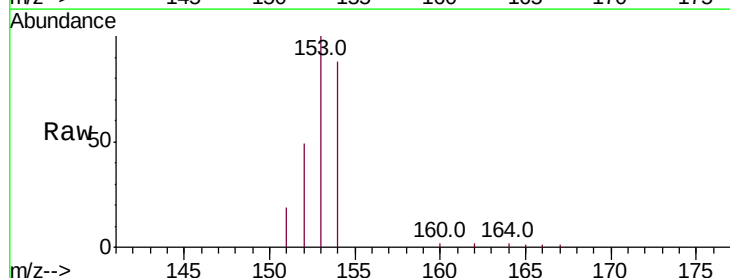
Tgt Ion:153 Resp: 8778

Ion Ratio Lower Upper

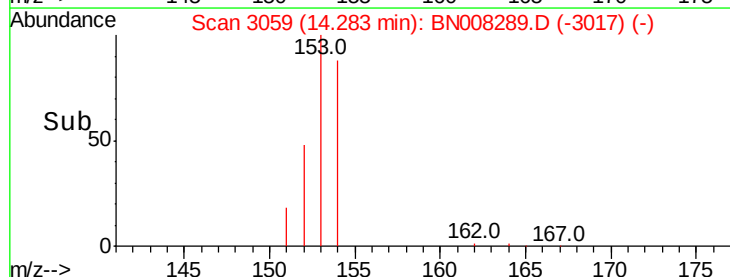
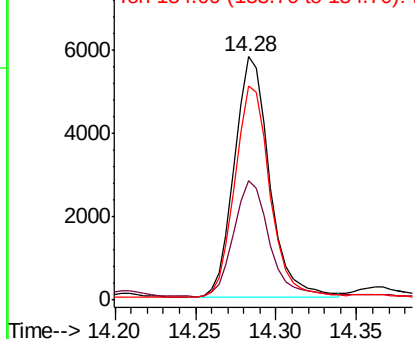
153 100

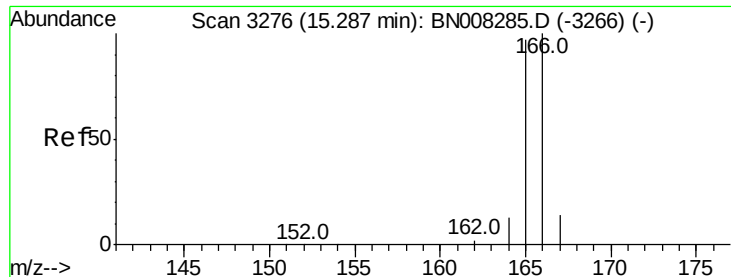
152 49.1 38.2 57.2

154 88.1 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

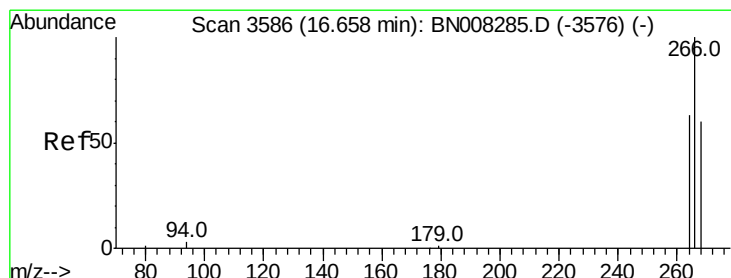
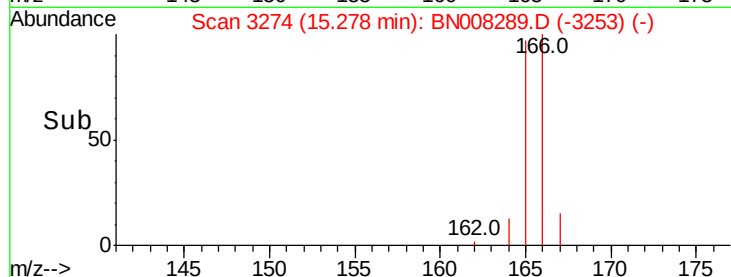
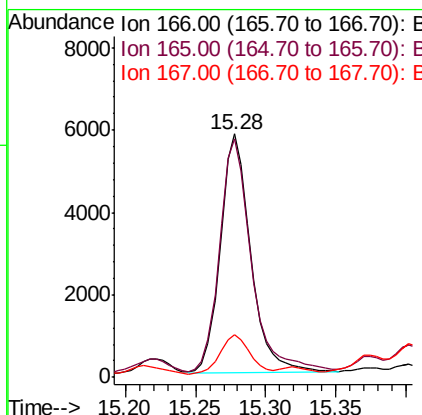
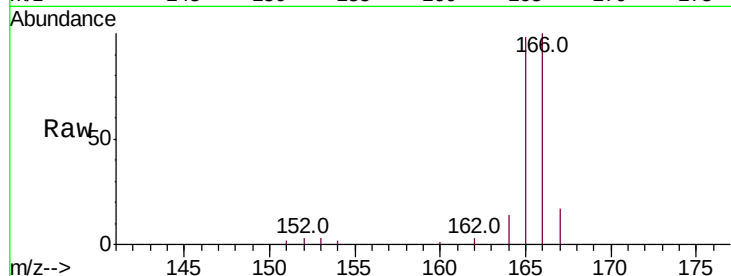




#9
Fluorene
 Concen: 0.328 ng/ul
 RT: 15.28 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: BN008289.D
 Acq: 21 Oct 2019 18:51

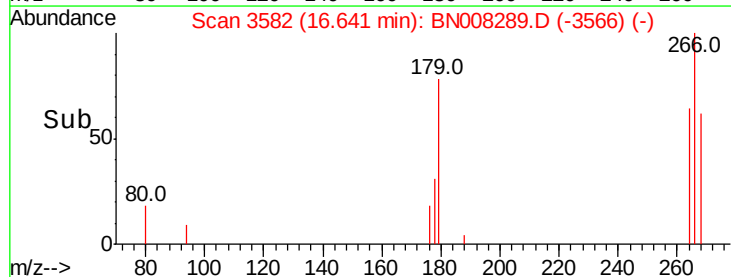
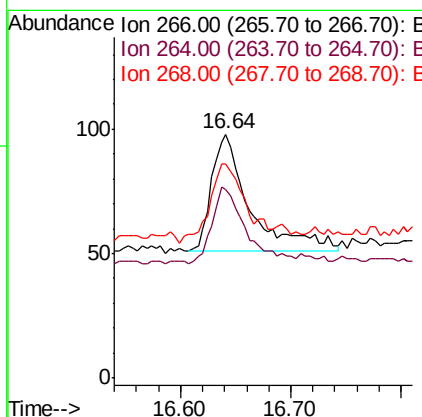
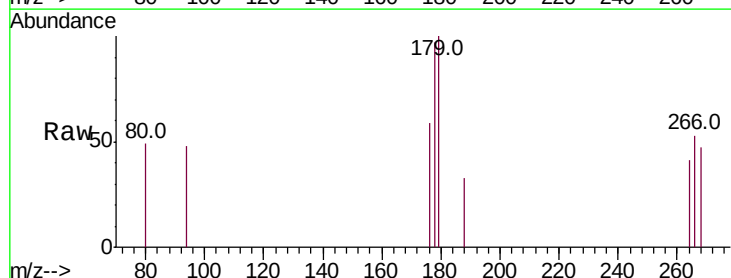
Instrument :
 BNA_N
 ClientSampleId :

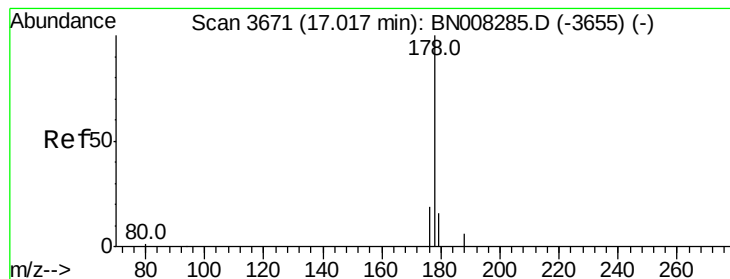
Tot Ion:166 Resp: 8778
 Ion Ratio Lower Upper
 166 100
 165 97.9 76.6 115.0
 167 17.3 11.7 17.5



#11
Pentachlorophenol
 Concen: 0.034 ng/ul
 RT: 16.64 min Scan# 3582
 Delta R.T. -0.03 min
 Lab File: BN008289.D
 Acq: 21 Oct 2019 18:51

Tgt Ion:266 Resp: 113
 Ion Ratio Lower Upper
 266 100
 264 57.5 50.1 75.1
 268 65.5 51.9 77.9





#12

Phenanthrene

Concen: 5.569 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

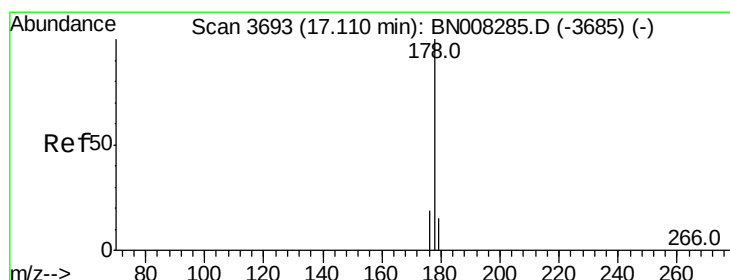
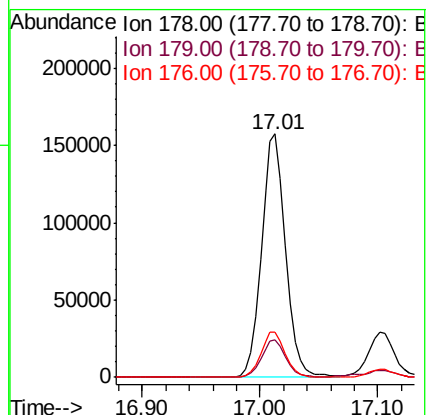
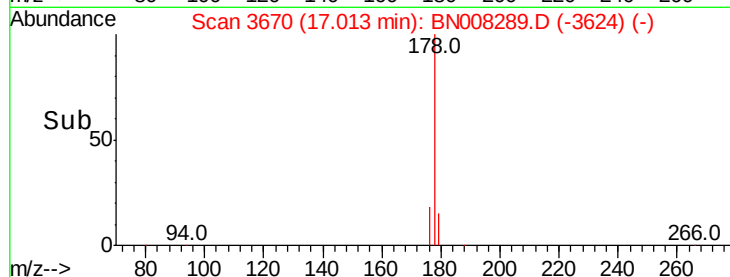
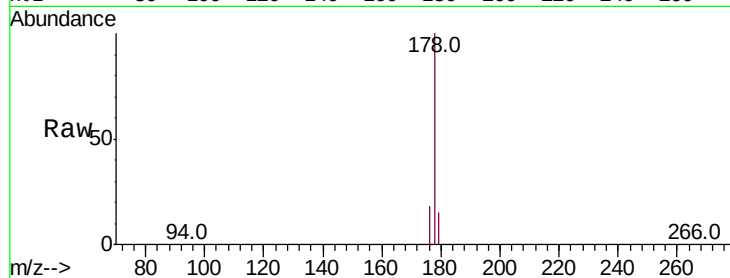
Tot Ion:178 Resp: 223127

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.4 15.4 23.2



#13

Anthracene

Concen: 1.163 ng/ul

RT: 17.10 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

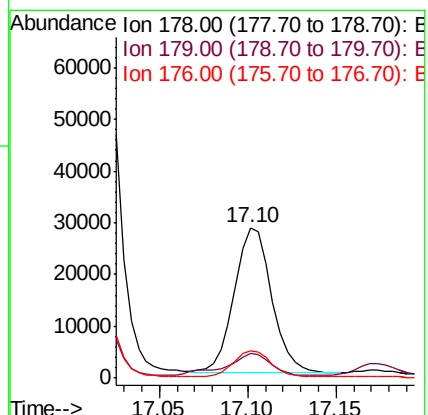
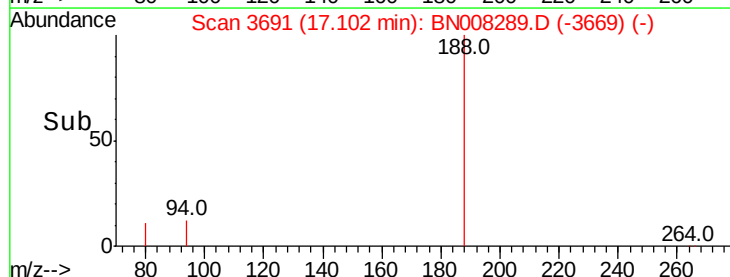
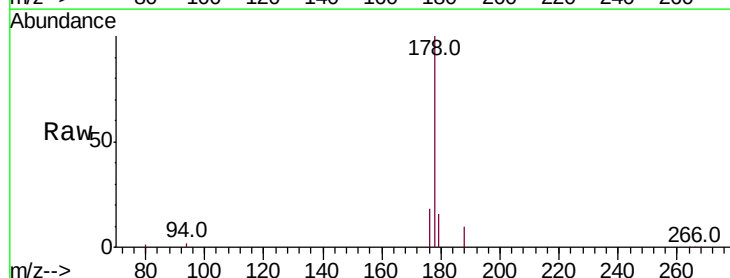
Tgt Ion:178 Resp: 41005

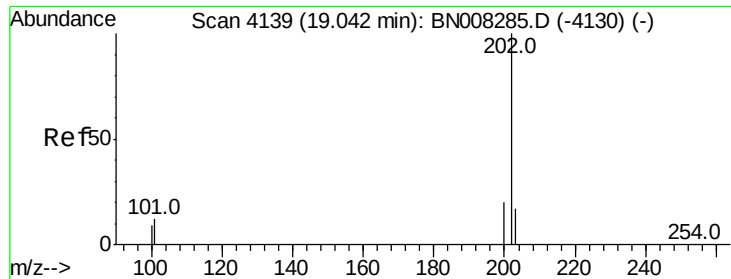
Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

176 18.5 15.0 22.6





#15

Fluoranthene

Concen: 7.125 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

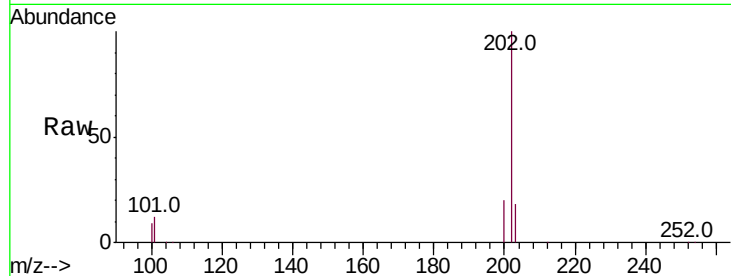
Tot Ion:202 Resp: 377050

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.2

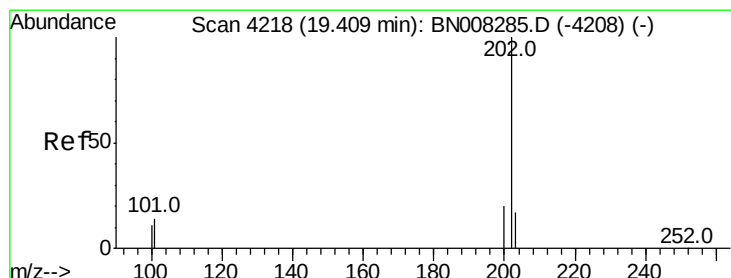
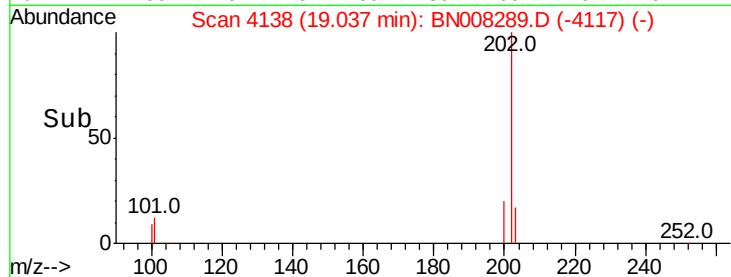
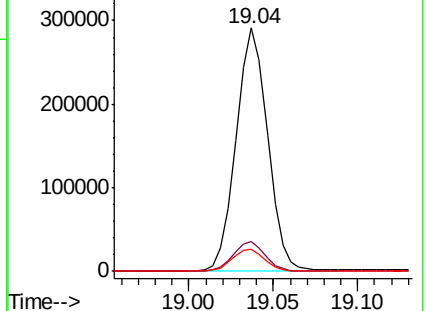
100 9.2 0.0 28.5



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: 8.606 ng/ul

RT: 19.40 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

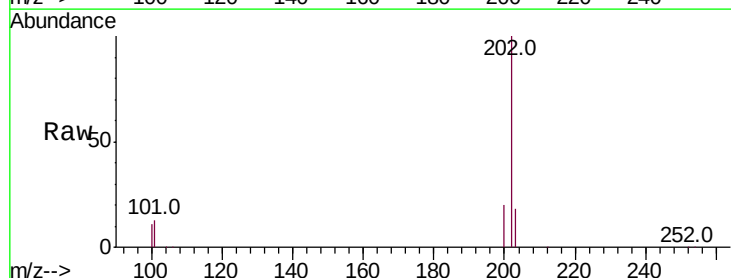
Tgt Ion:202 Resp: 468841

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

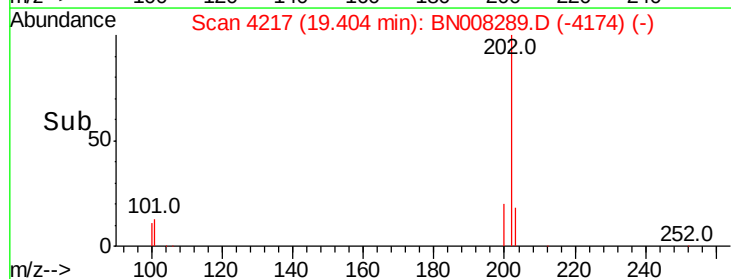
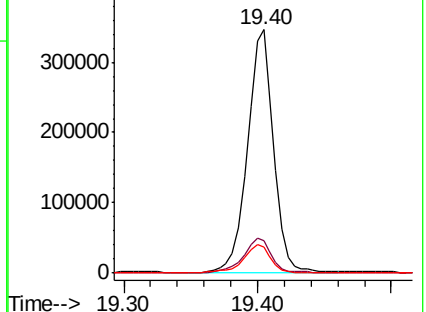
100 10.7 8.7 13.1

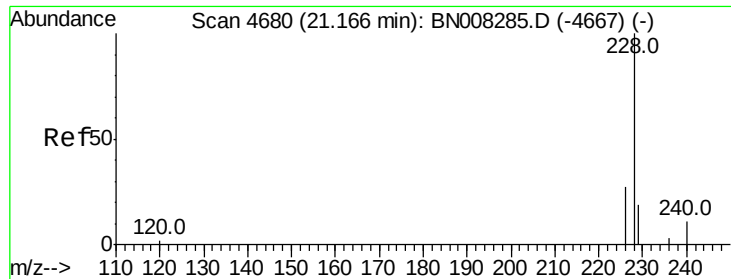


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 5.497 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampled :

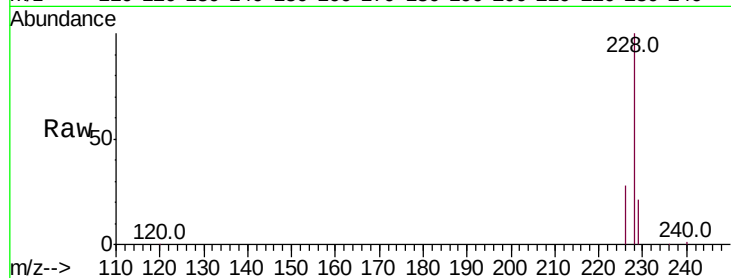
Tot Ion:228 Resp: 273481

Ion Ratio Lower Upper

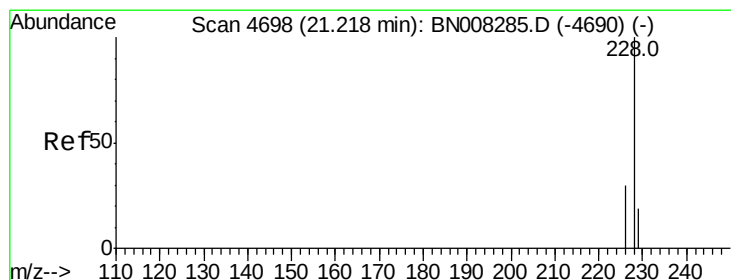
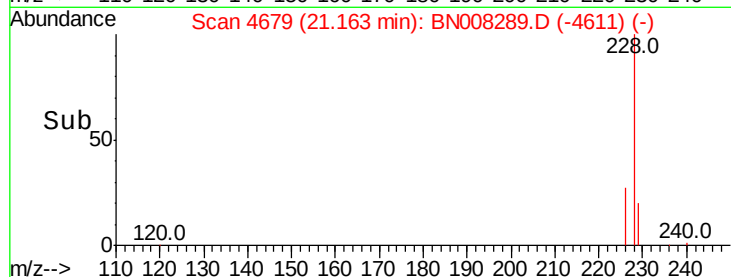
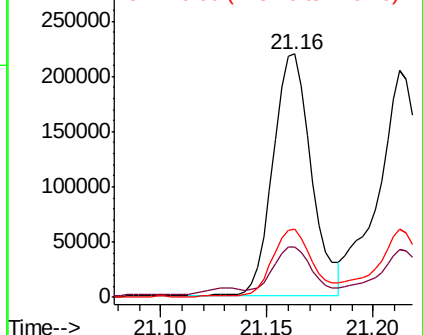
228 100

229 20.9 16.2 24.2

226 27.9 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: 4.692 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

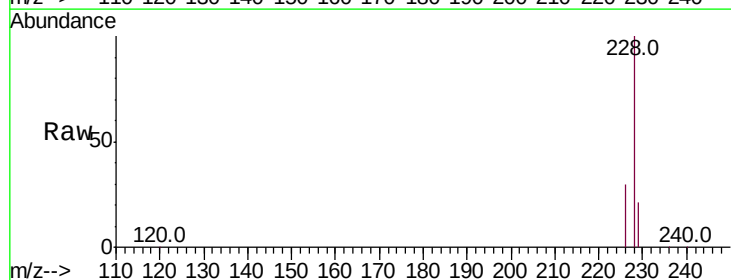
Tgt Ion:228 Resp: 286472

Ion Ratio Lower Upper

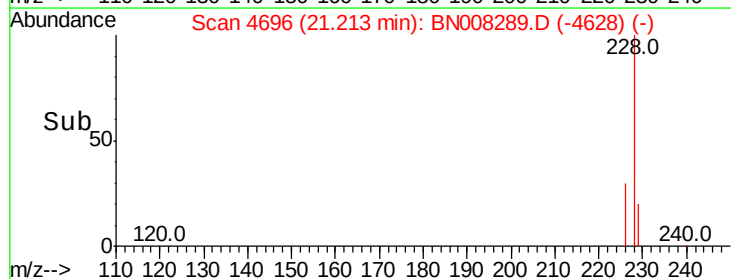
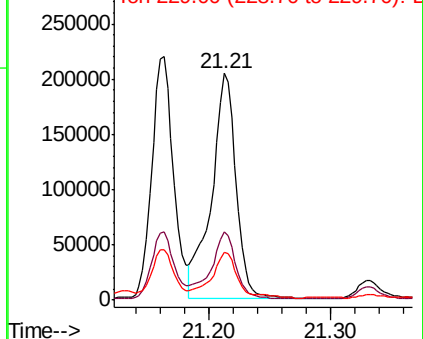
228 100

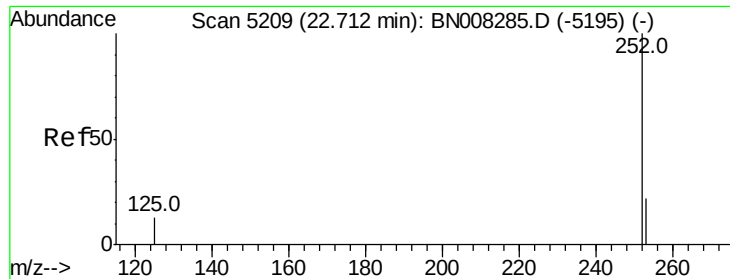
226 30.0 24.1 36.1

229 21.2 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: 8.269 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

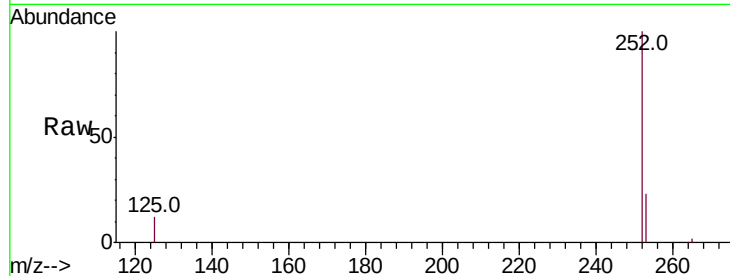
Tot Ion:252 Resp: 369331

Ion Ratio Lower Upper

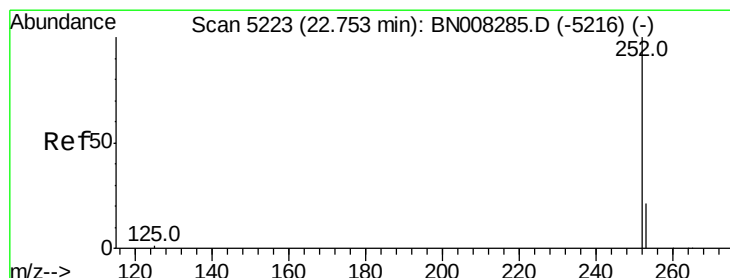
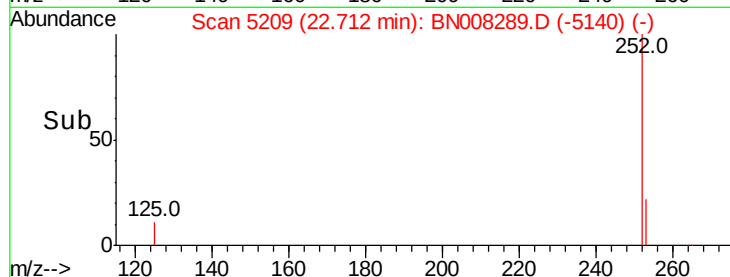
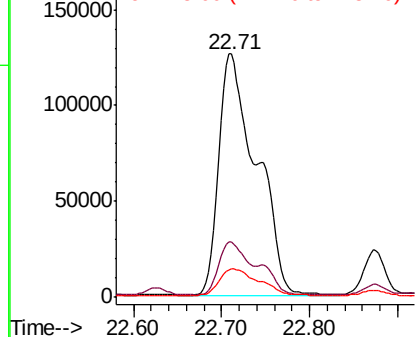
252 100

253 23.0 0.0 53.4

125 11.7 0.0 32.4



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: 0.706 ng/ul

RT: 22.87 min Scan# 5264

Delta R.T. 0.12 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

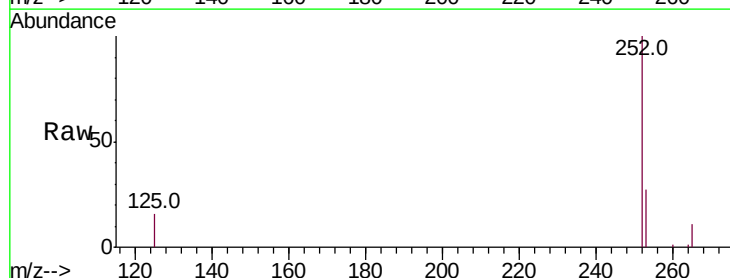
Tgt Ion:252 Resp: 35707

Ion Ratio Lower Upper

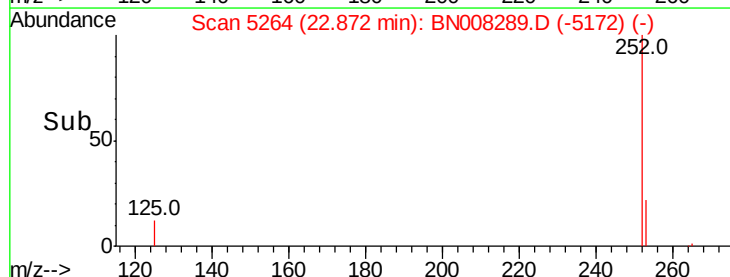
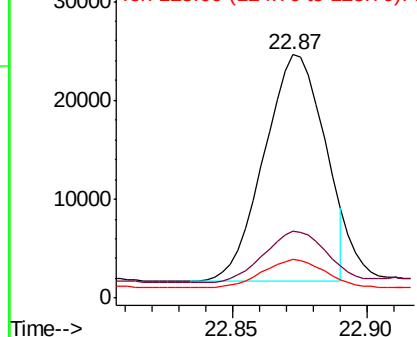
252 100

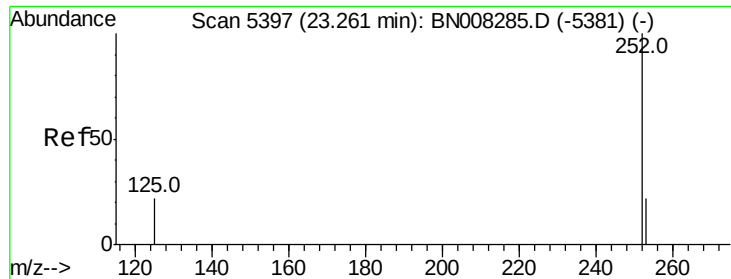
253 27.4 21.3 31.9

125 15.8 12.3 18.5



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: 4.608 ng/ul

RT: 23.26 min Scan# 5396

Delta R.T. -0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

Instrument :

BNA_N

ClientSampleId :

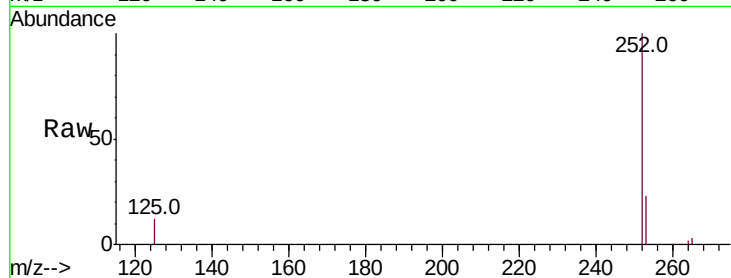
Tot Ion:252 Resp: 216572

Ion Ratio Lower Upper

252 100

253 22.7 22.8 34.2#

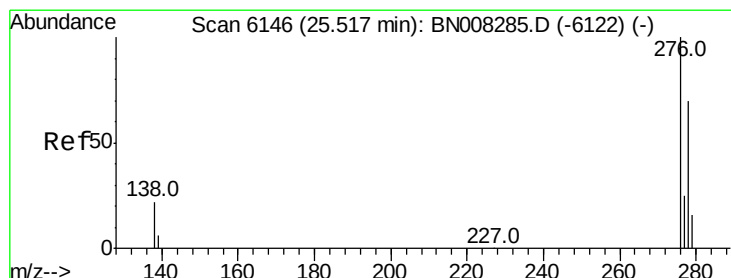
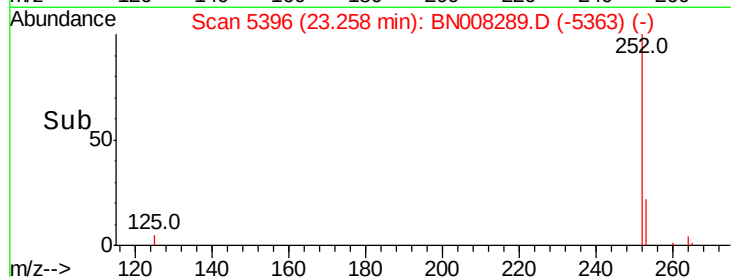
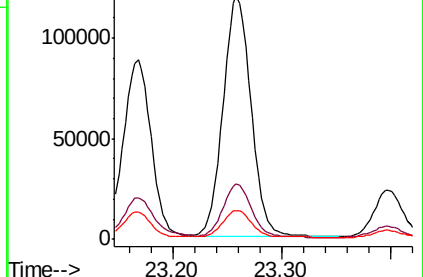
125 12.0 18.4 27.6#



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: 1.828 ng/ul

RT: 25.51 min Scan# 6144

Delta R.T. 0.00 min

Lab File: BN008289.D

Acq: 21 Oct 2019 18:51

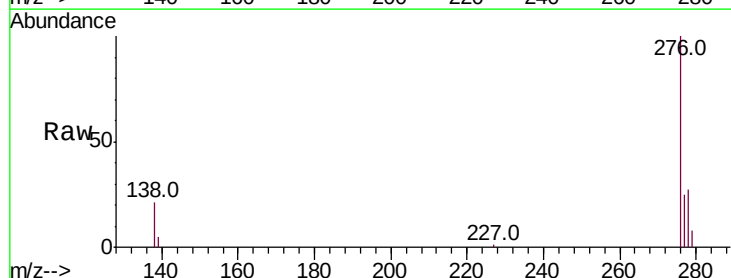
Tgt Ion:276 Resp: 101176

Ion Ratio Lower Upper

276 100

138 21.3 16.1 24.1

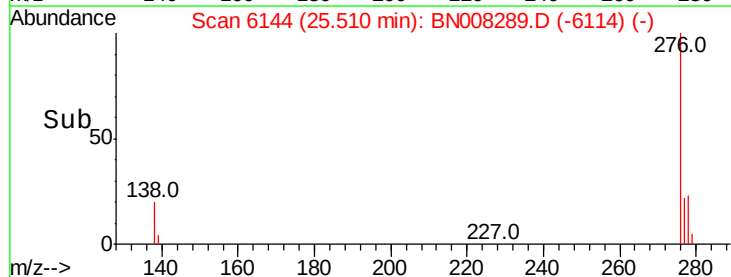
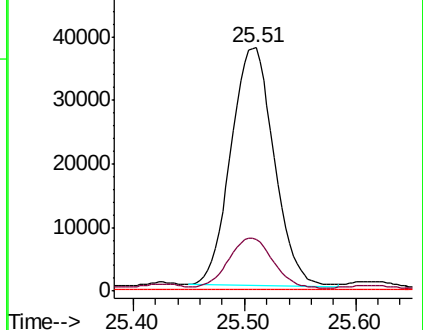
227 0.2 0.2 0.2#

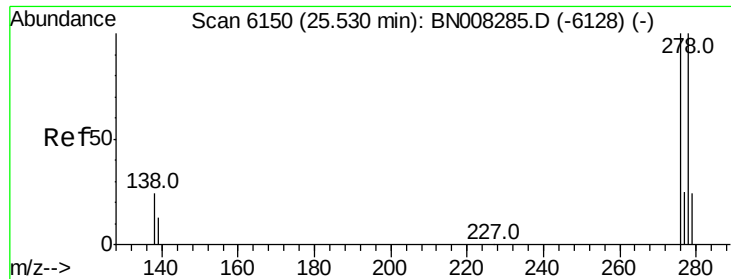


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

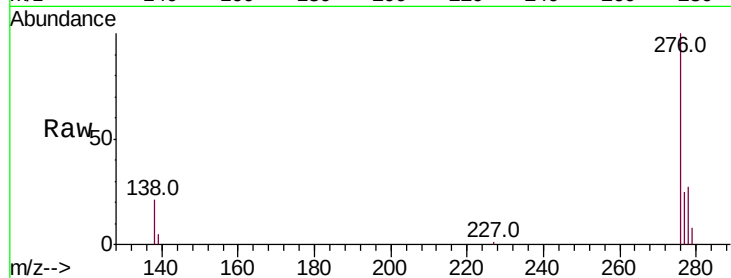




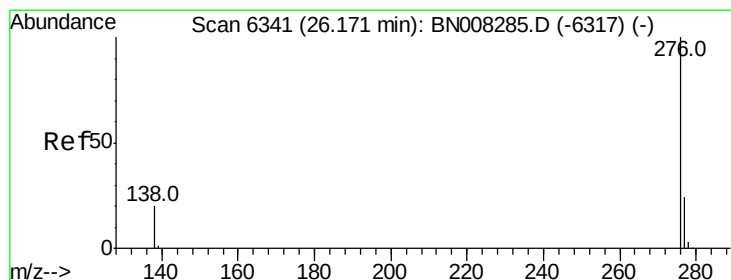
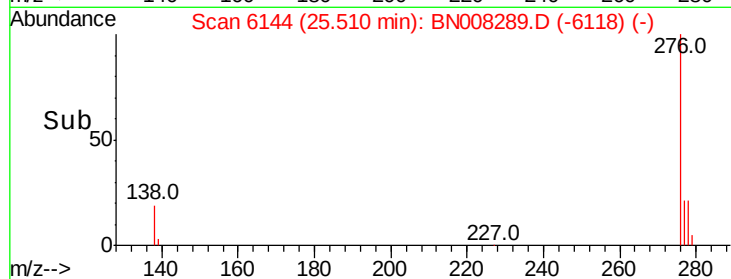
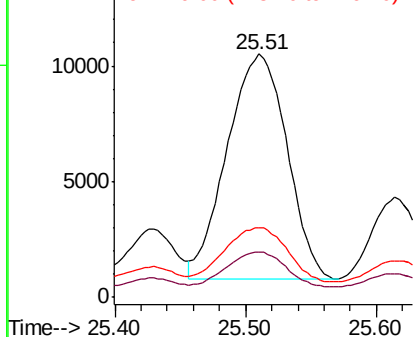
#25
Dibenzo(a,h)anthracene
Concen: 0.704 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. -0.01 min
Lab File: BN008289.D
Acq: 21 Oct 2019 18:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 30819
Ion Ratio Lower Upper
278 100
139 18.7 15.0 22.6
279 28.5 22.4 33.6

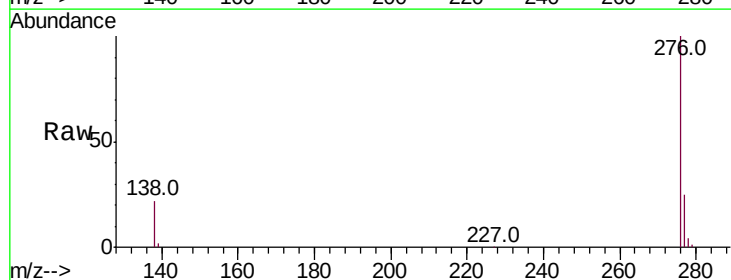


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 2.034 ng/ul
RT: 26.16 min Scan# 6339
Delta R.T. -0.00 min
Lab File: BN008289.D
Acq: 21 Oct 2019 18:51

Tgt Ion:276 Resp: 103231
Ion Ratio Lower Upper
276 100
138 22.2 17.0 25.4
277 24.5 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

