

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008367.D
 Acq On : 24 Oct 2019 01:42
 Operator : JU
 Sample : K5235-05
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 02:29:22 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 : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

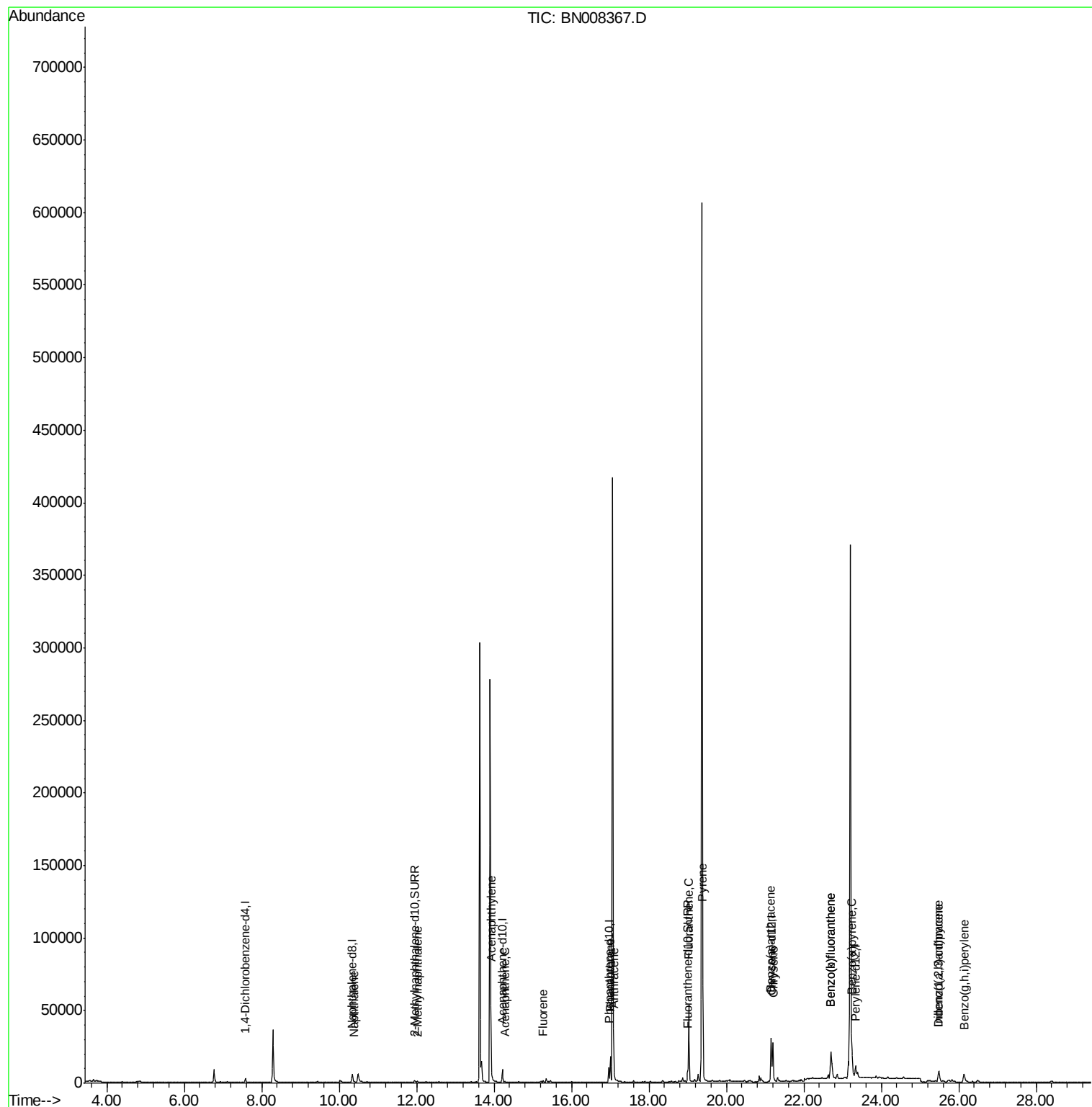
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1661	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.34	136	8144	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5255	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	11849	0.40	ng/ul	-0.01
16) Chrysene-d12	21.16	240	11188	0.40	ng/ul	-0.02
20) Perylene-d12	23.33	264	9330	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2117	0.15	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	6549	0.16	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	575	0.025	ng/ul#	68
5) 2-Methylnaphthalene	12.02	142	349	0.022	ng/ul	97
7) Acenaphthylene	13.93	152	1974	0.079	ng/ul#	91
8) Acenaphthene	14.27	153	559	0.029	ng/ul	94
9) Fluorene	15.27	166	725	0.033	ng/ul#	94
12) Phenanthrene	17.00	178	18950	0.546	ng/ul	100
13) Anthracene	17.09	178	3590	0.118	ng/ul	96
15) Fluoranthene	19.03	202	45918	1.002	ng/ul	97
17) Pyrene	19.39	202	47772	1.072	ng/ul	97
18) Benzo(a)anthracene	21.15	228	25826	0.635	ng/ul	97
19) Chrysene	21.20	228	29116	0.583	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	41425	1.364	ng/ul	97
22) Benzo(k)fluoranthene	22.69	252	41425	1.204	ng/ul	97
23) Benzo(a)pyrene	23.24	252	20930	0.655	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.48	276	12105	0.322	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.49	278	2836	0.095	ng/ul#	80
26) Benzo(a,h,i)perylene	26.14	276	11839	0.343	ng/ul	97

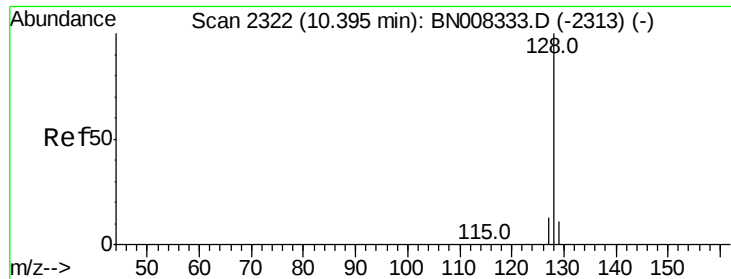
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:07:55 2019
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#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

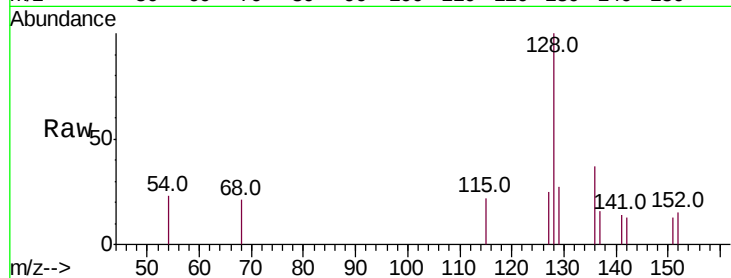
Tot Ion:128 Resp: 575

Ion Ratio Lower Upper

128 100

129 27.0 9.8 14.8#

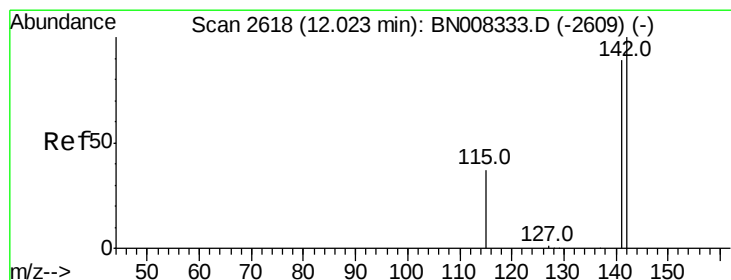
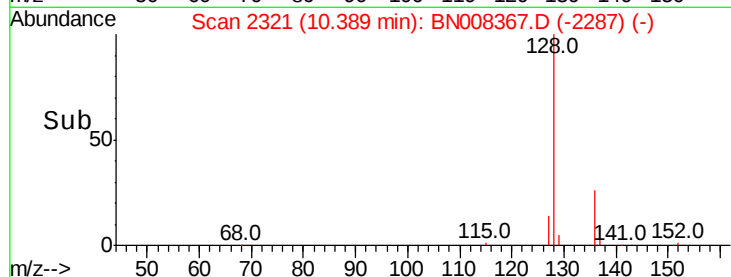
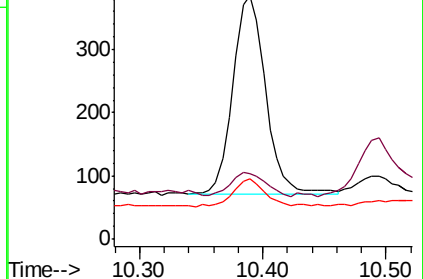
127 24.9 11.1 16.7#



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: 0.022 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. -0.01 min

Lab File: BN008367.D

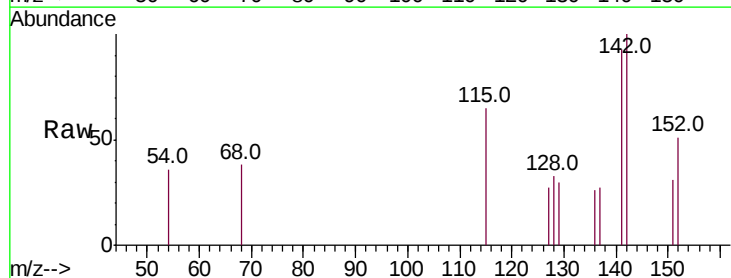
Acq: 24 Oct 2019 01:42

Tgt Ion:142 Resp: 349

Ion Ratio Lower Upper

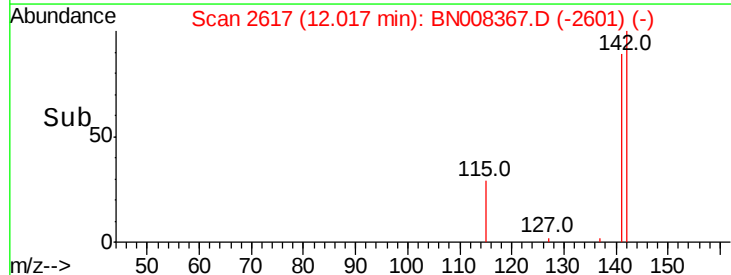
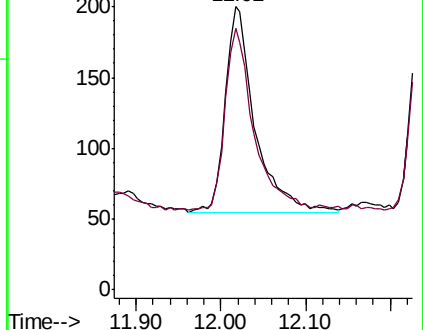
142 100

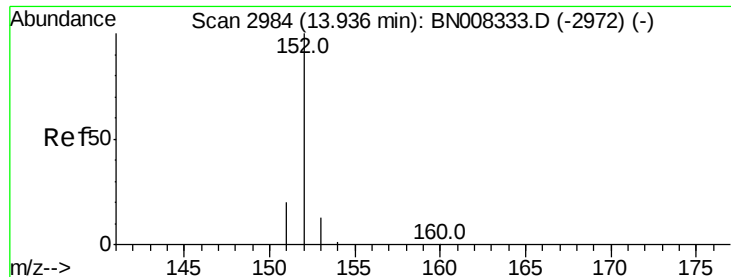
141 86.8 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.079 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

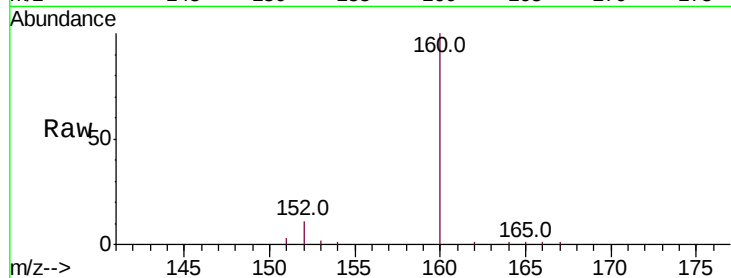
Tot Ion:152 Resp: 1974

Ion Ratio Lower Upper

152 100

151 23.6 16.2 24.4

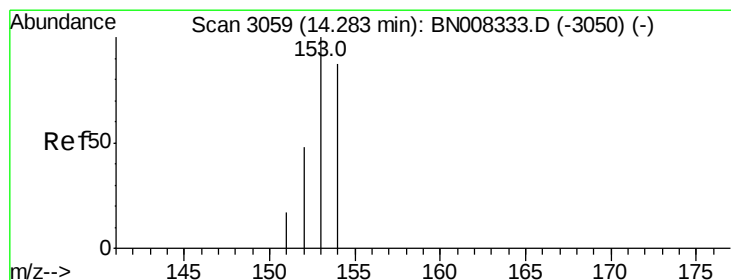
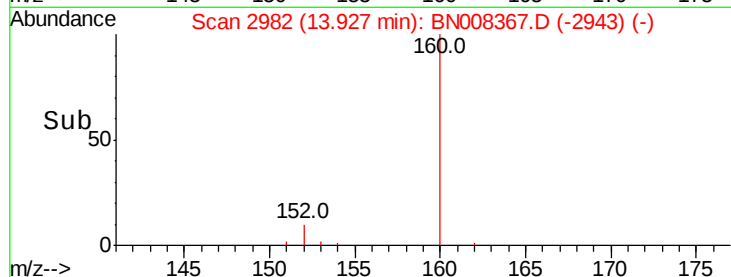
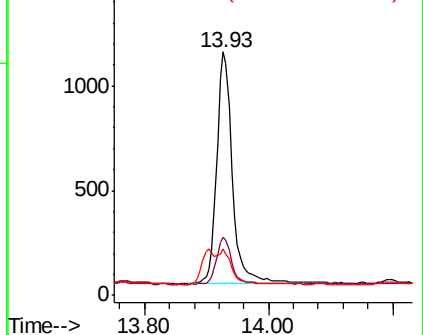
153 18.9 11.0 16.4#



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: 0.029 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

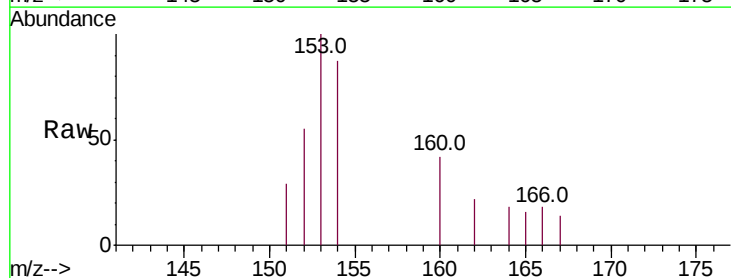
Tgt Ion:153 Resp: 559

Ion Ratio Lower Upper

153 100

152 55.5 38.2 57.2

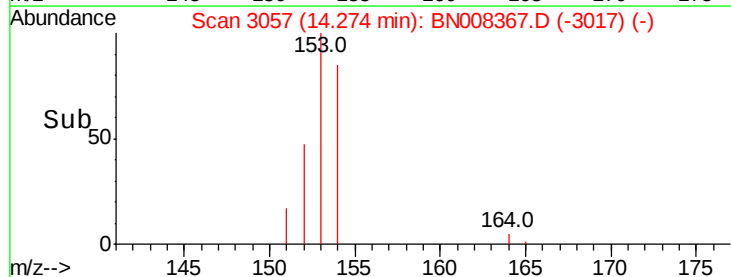
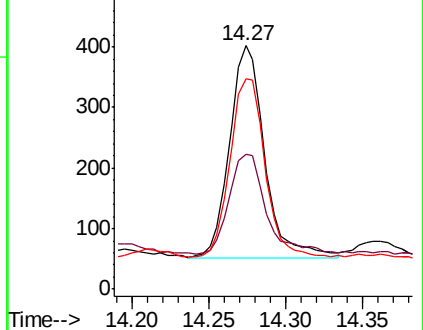
154 86.6 71.8 107.8

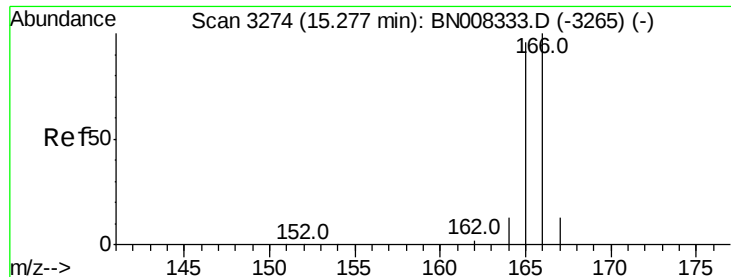


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.033 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

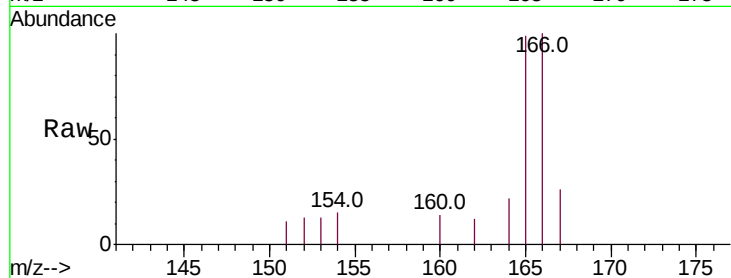
Tot Ion:166 Resp: 725

Ion Ratio Lower Upper

166 100

165 98.7 76.6 115.0

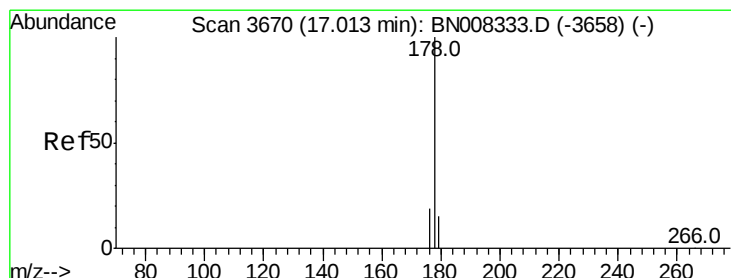
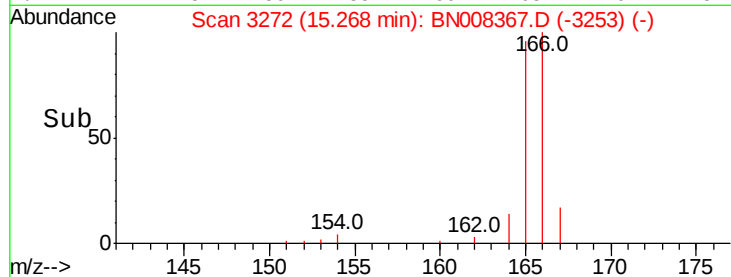
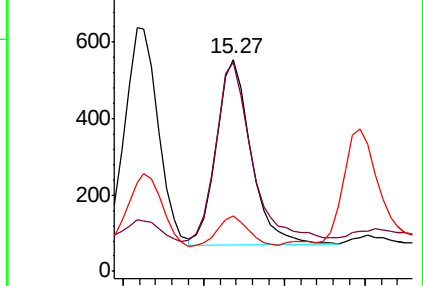
167 25.9 11.7 17.5#



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



#12

Phenanthrene

Concen: 0.546 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

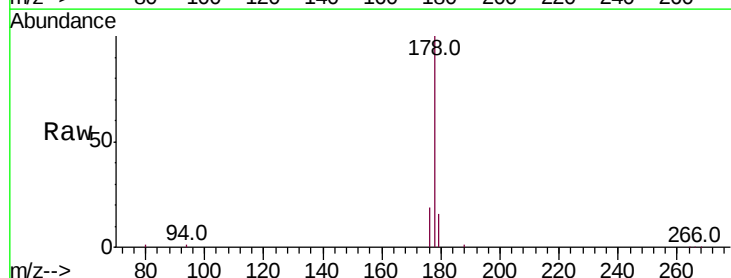
Tgt Ion:178 Resp: 18950

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

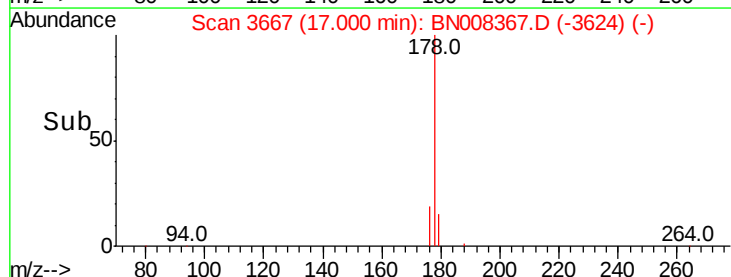
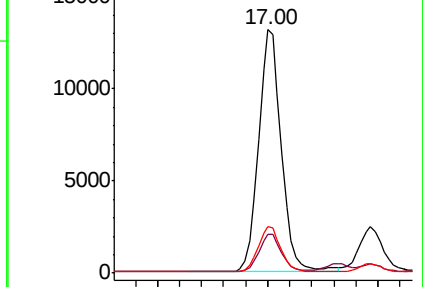
176 19.3 15.4 23.2

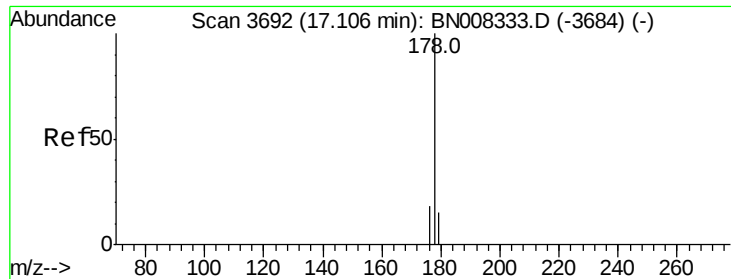


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.118 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

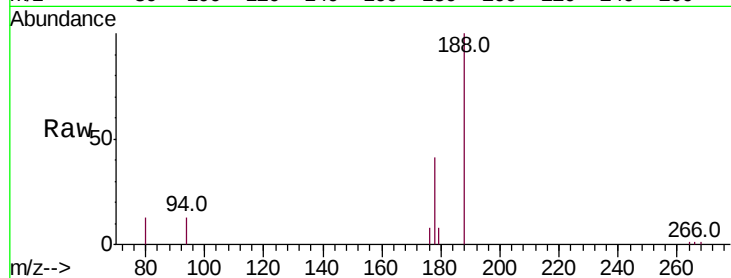
Tot Ion:178 Resp: 3590

Ion Ratio Lower Upper

178 100

179 19.0 13.0 19.6

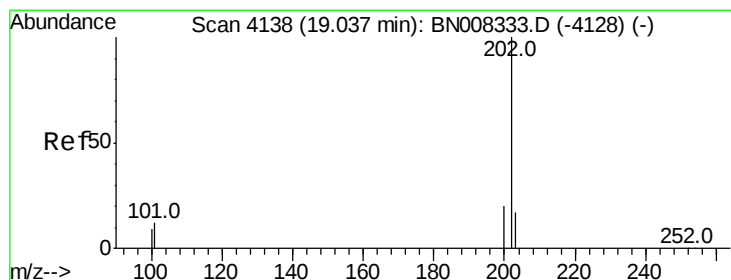
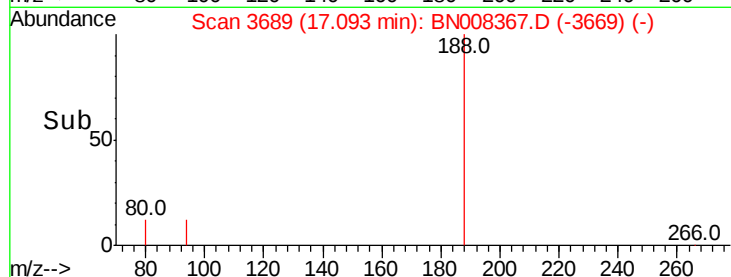
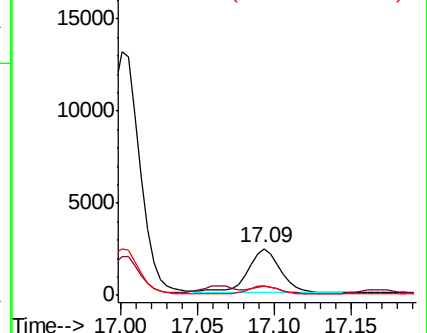
176 19.7 15.0 22.6



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: 1.002 ng/ul

RT: 19.03 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

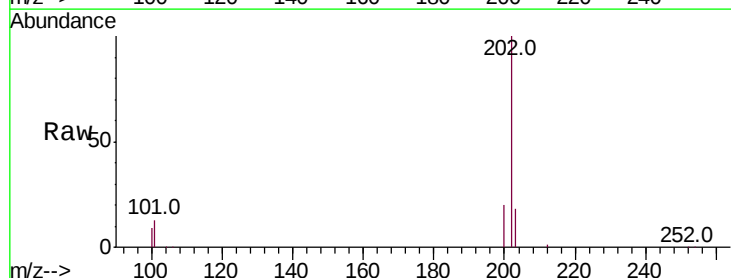
Tgt Ion:202 Resp: 45918

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.2

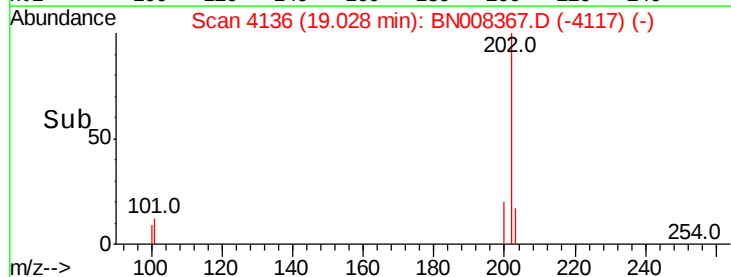
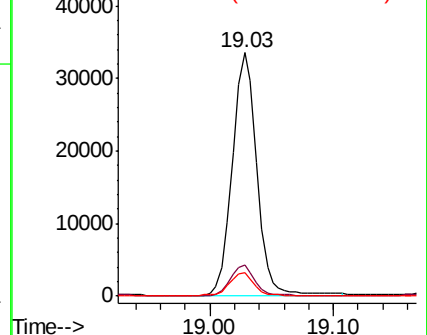
100 9.4 0.0 28.5

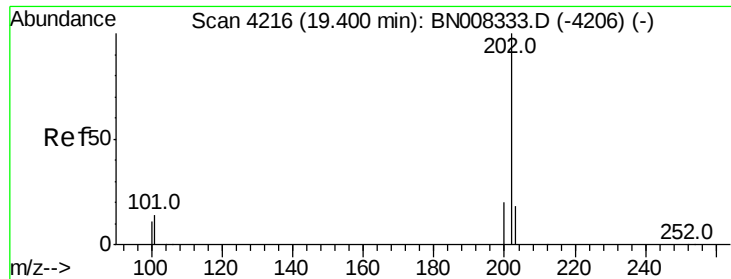


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

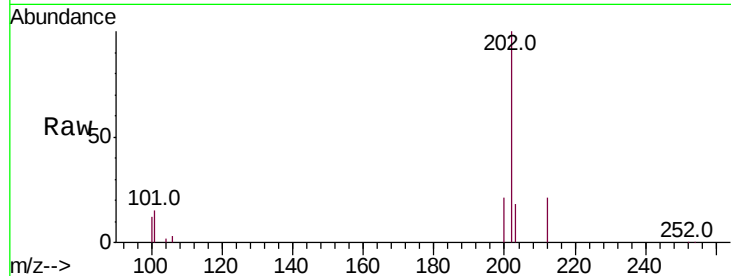




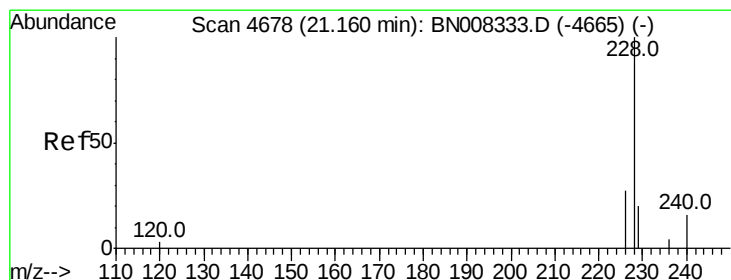
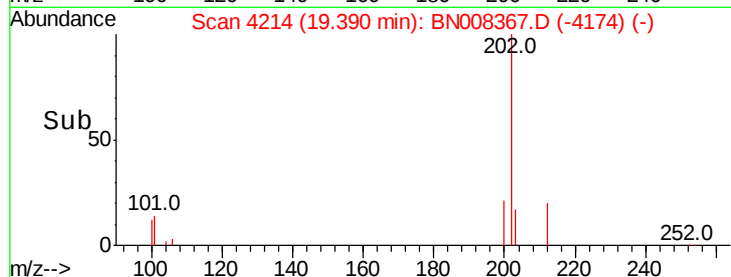
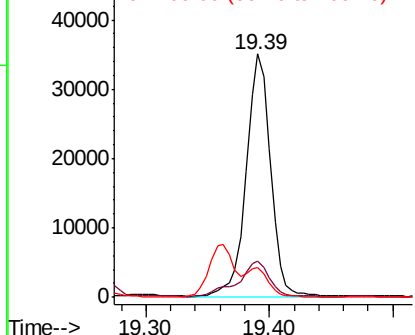
#17
Pvrene
Concen: 1.072 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN008367.D
Acq: 24 Oct 2019 01:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 47772
Ion Ratio Lower Upper
202 100
101 14.8 10.9 16.3
100 12.2 8.7 13.1

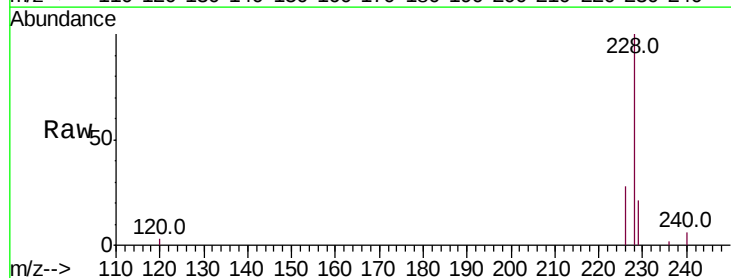


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

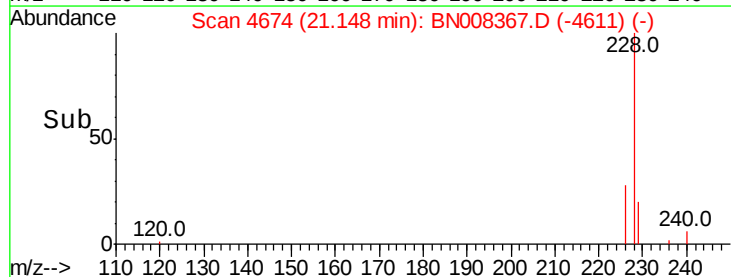
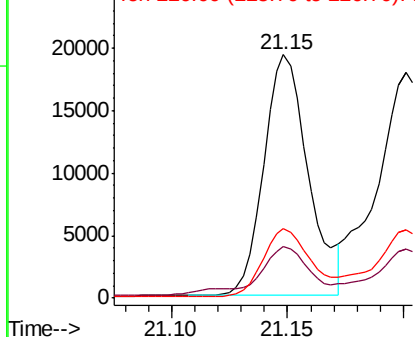


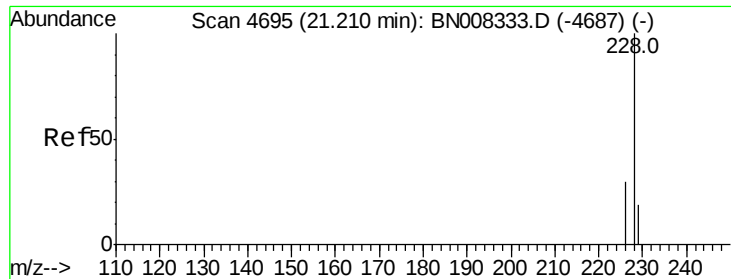
#18
Benzo(a)anthracene
Concen: 0.635 ng/ul
RT: 21.15 min Scan# 4674
Delta R.T. -0.02 min
Lab File: BN008367.D
Acq: 24 Oct 2019 01:42

Tgt Ion:228 Resp: 25826
Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.2
226 28.3 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: 0.583 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.01 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

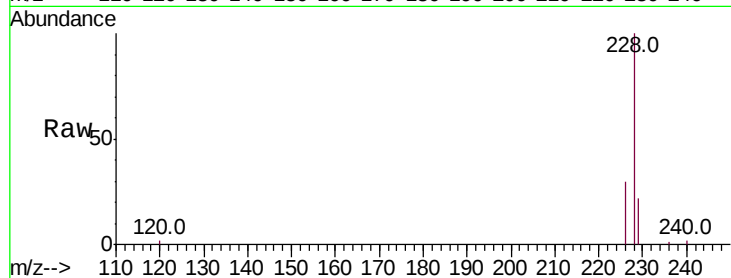
Tot Ion:228 Resp: 29116

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

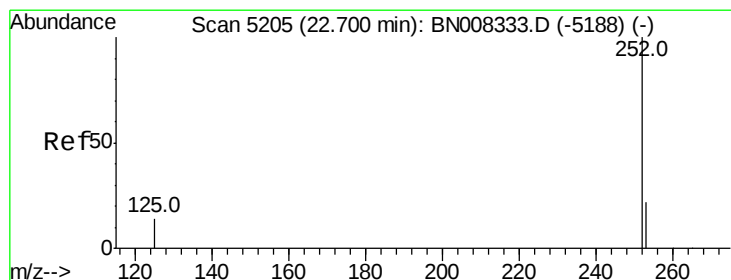
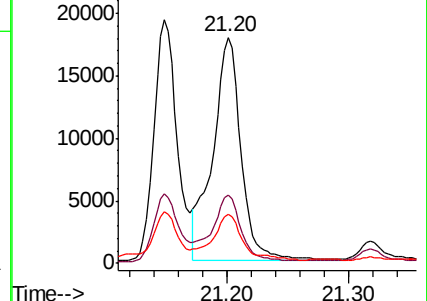
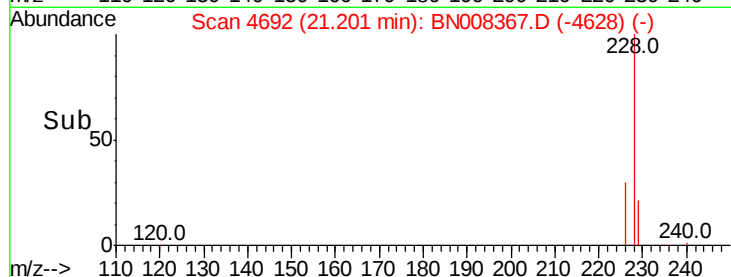
229 21.6 16.2 24.2



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: 1.364 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.02 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

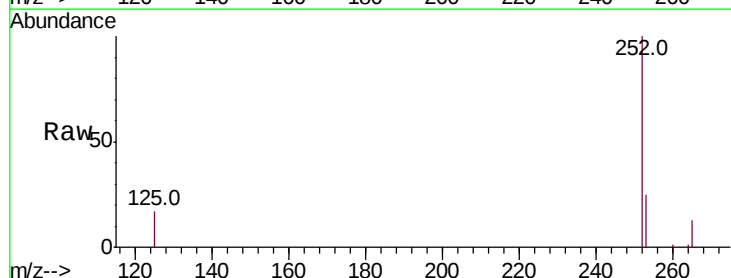
Tgt Ion:252 Resp: 41425

Ion Ratio Lower Upper

252 100

253 25.0 0.0 53.4

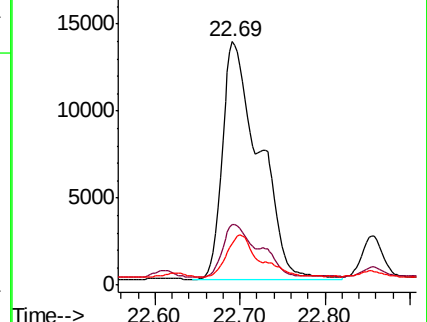
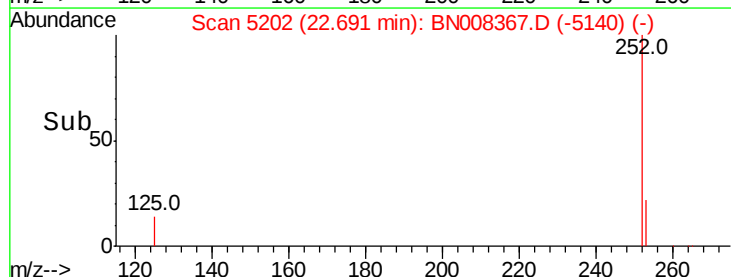
125 17.2 0.0 32.4

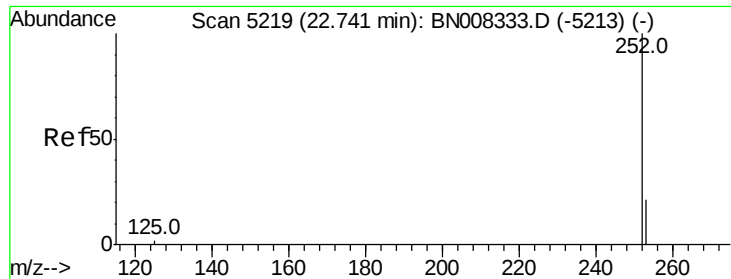


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.204 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.06 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

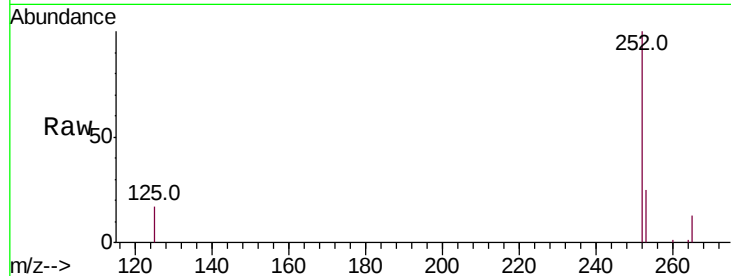
Tot Ion:252 Resp: 41425

Ion Ratio Lower Upper

252 100

253 25.0 21.3 31.9

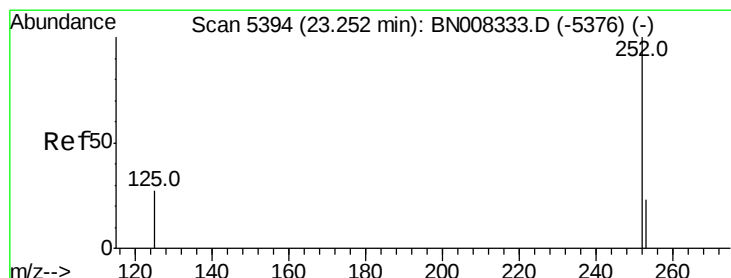
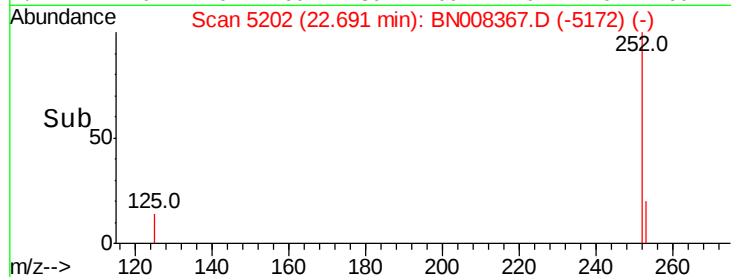
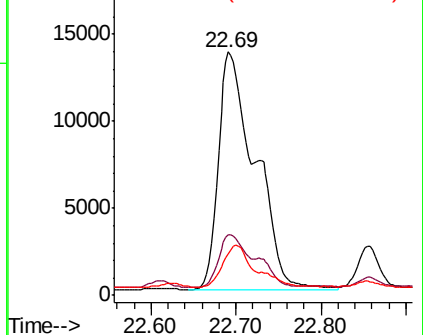
125 17.2 12.3 18.5



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: 0.655 ng/ul

RT: 23.24 min Scan# 5389

Delta R.T. -0.02 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

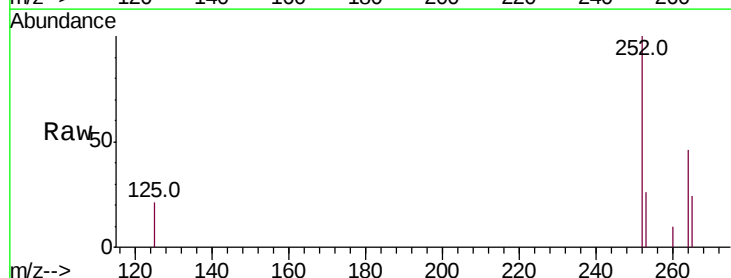
Tgt Ion:252 Resp: 20930

Ion Ratio Lower Upper

252 100

253 25.6 22.8 34.2

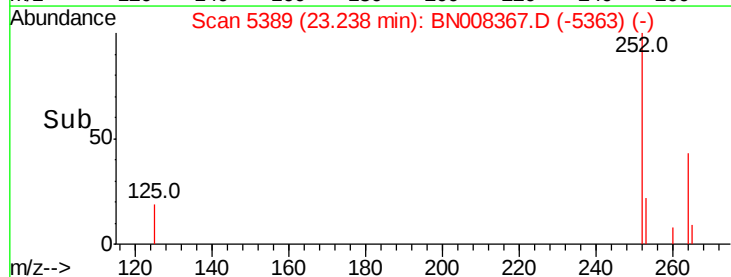
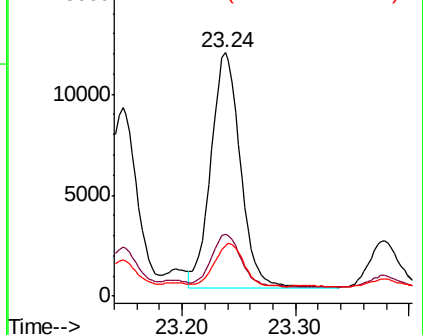
125 20.7 18.4 27.6

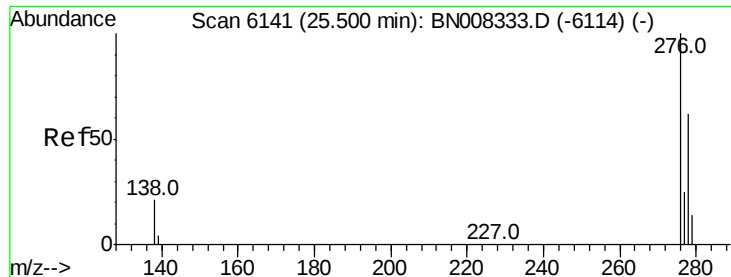


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



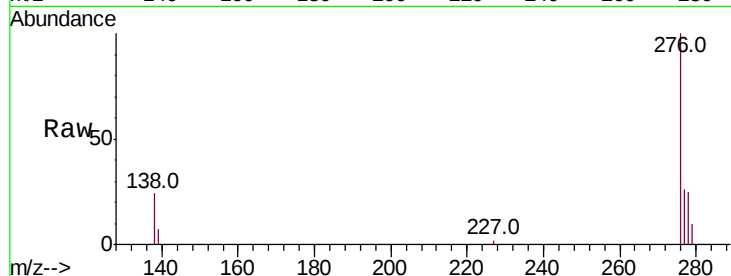


#24

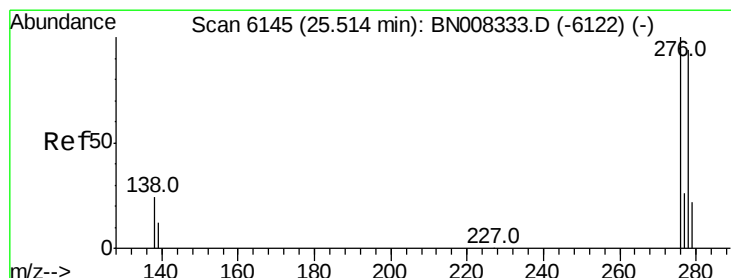
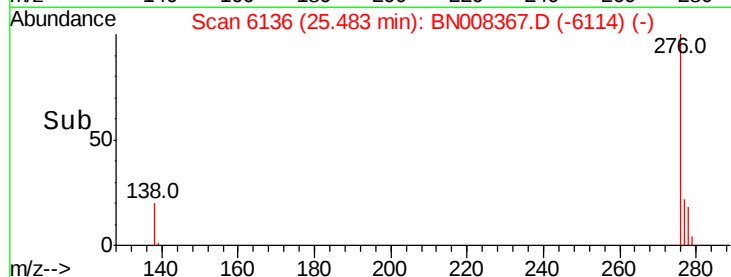
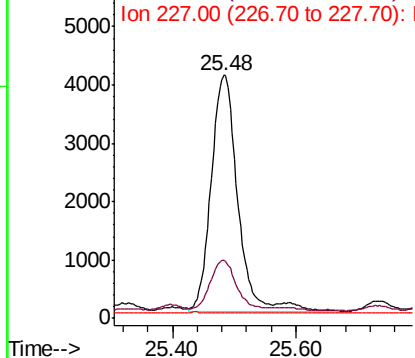
Indeno(1,2,3-cd)pyrene
Concen: 0.322 ng/ul
RT: 25.48 min Scan# 6136
Delta R.T. -0.03 min
Lab File: BN008367.D
Acq: 24 Oct 2019 01:42

Instrument :
BNA_N
ClientSampled :

Tot Ion:276 Resp: 12105
Ion Ratio Lower Upper
276 100
138 22.2 16.1 24.1
227 0.0 0.2 0.2#



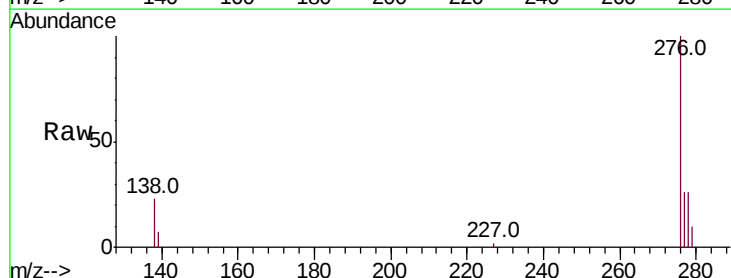
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



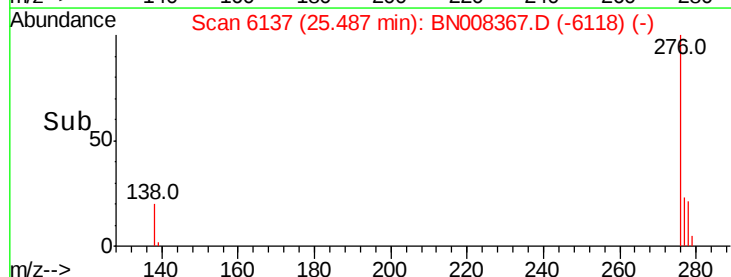
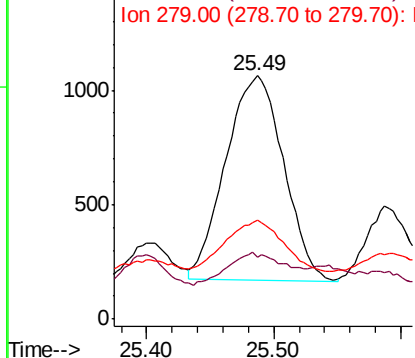
#25

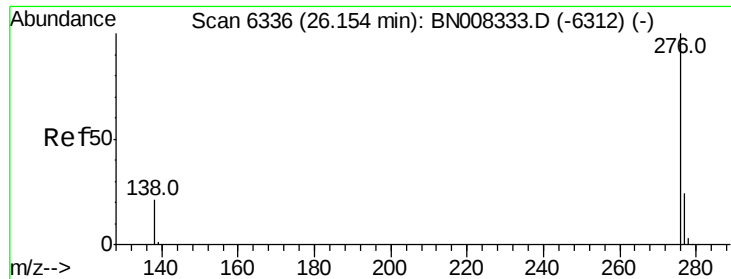
Dibenzo(a,h)anthracene
Concen: 0.095 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.04 min
Lab File: BN008367.D
Acq: 24 Oct 2019 01:42

Tgt Ion:278 Resp: 2836
Ion Ratio Lower Upper
278 100
139 25.7 15.0 22.6#
279 40.5 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(a,h,i)perylene

Concen: 0.343 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.03 min

Lab File: BN008367.D

Acq: 24 Oct 2019 01:42

Instrument :

BNA_N

ClientSampleId :

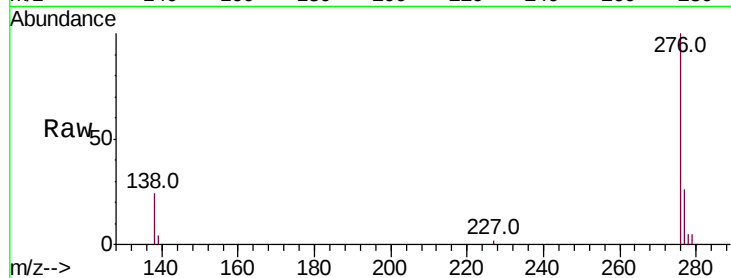
Tot Ion:276 Resp: 11839

Ion Ratio Lower Upper

276 100

138 23.7 17.0 25.4

277 25.7 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

