

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005594.D
 Acq On : 10 May 2019 18:30
 Operator : JU/SJ
 Sample : K2603-06ME
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 10 23:11:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	140836	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	581461	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.22	164	363257	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	748477	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	624884	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	595106	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11153	3.82	ng/uL	0.00
5) Phenol-d5	6.77	99	242256	21.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	143357	20.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	211647	25.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	194245	22.47	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	109990	30.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	121088	33.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	217652	26.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	166041	19.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	763648	28.96	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	903344	27.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	102946	24.72	ng/ul	0.00
57) Fluorene-d10	15.22	176	636708	28.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	97481	28.96	ng/ul	0.01
70) Anthracene-d10	17.08	188	955665	30.46	ng/ul	0.00
78) Pyrene-d10	19.40	212	1072587	33.55	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	819986	31.53	ng/ul	0.01

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	12.01	142	83205	4.204	ng/ul	97
40) 1,1'-Biphenyl	13.04	154	869102	32.110	ng/ul#	98
44) Dimethylphthalate	13.68	163	114503	4.358	ng/ul	98
47) Acenaphthylene	13.94	152	5492350	172.560	ng/ul	97
49) Acenaphthene	14.28	153	567325	26.109	ng/ul	99
53) Dibenzofuran	14.62	168	696661	22.268	ng/ul	97
54) 2,4-Dinitrotoluene	14.59	165	35644	5.450	ng/ul#	34
58) Fluorene	15.28	166	4605019	188.637	ng/ul	97
64) N-Nitrosodiphenylamine	15.49	169	56167	2.742	ng/ul#	82
69) Phenanthrene	17.12	178	2850403	78.196	ng/ul	99
71) Anthracene	17.12	178	2849270	76.730	ng/ul	99
74) Carbazole	17.39	167	53028	1.662	ng/ul#	82
76) Fluoranthene	19.06	202	9788857	242.105	ng/ul	98
79) Pyrene	19.43	202	12910720	320.888	ng/ul	99
82) Benzo(a)anthracene	21.26	228	4284768	110.221	ng/ul	96
84) Chrysene	21.26	228	4286880	118.820	ng/ul	99
87) Benzo(b)fluoranthene	22.78	252	2702071	80.773	ng/ul	98
88) Benzo(k)fluoranthene	22.78	252	2702071	84.574	ng/ul	99
90) Benzo(a)pyrene	23.24	252	1574956	50.088	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.62	276	1130183	32.510	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.72	278	113902	3.861	ng/ul	97
93) Benzo(a,h,i)perylene	26.28	276	1059174	36.847	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

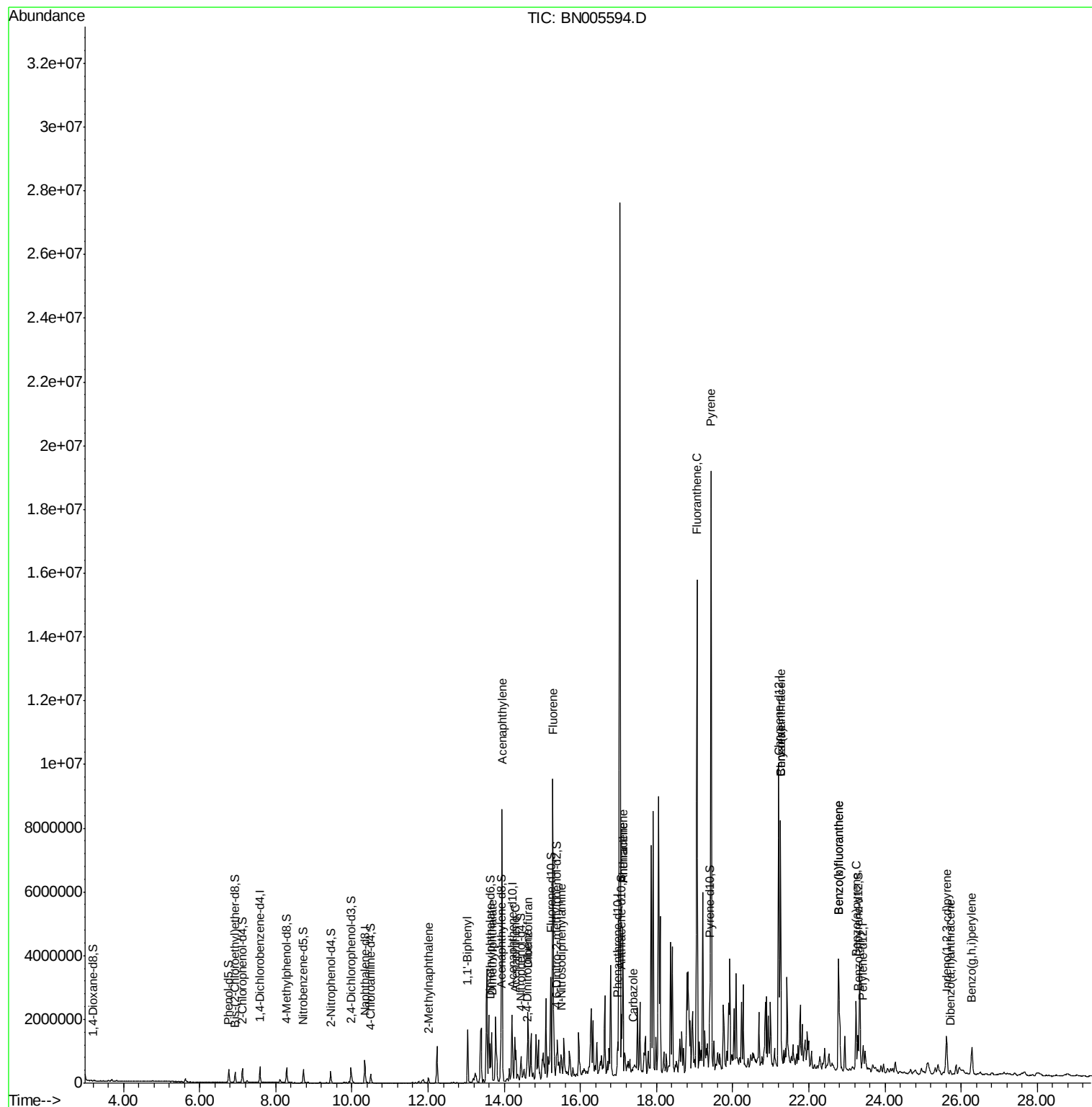
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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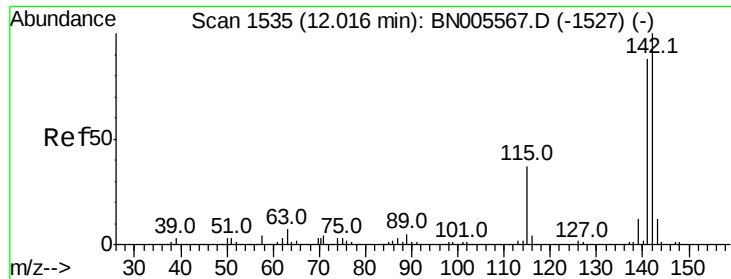
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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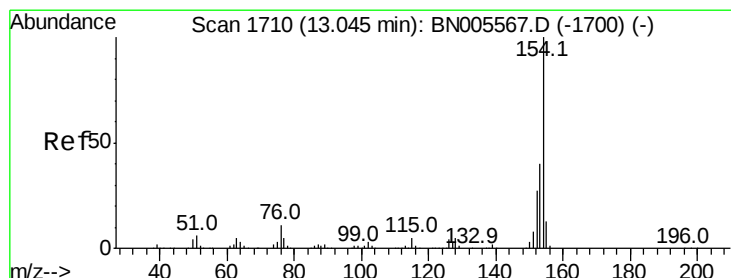
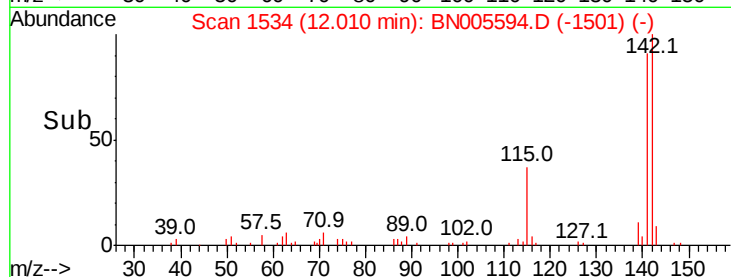
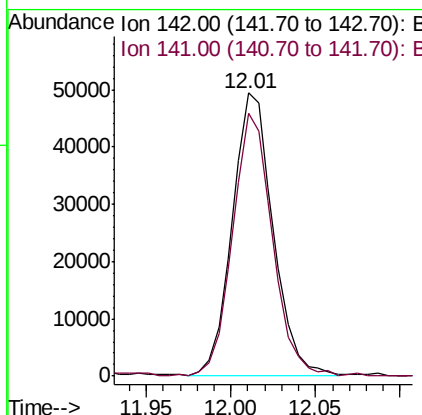
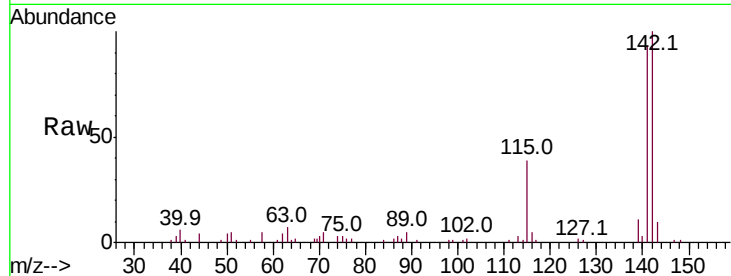




#34
 2-Methylnaphthalene
 Concen: 4.204 ng/ul
 RT: 12.01 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

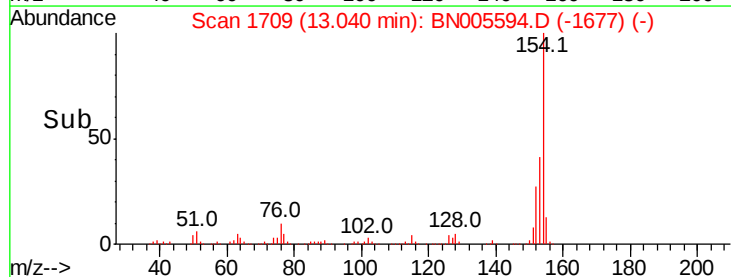
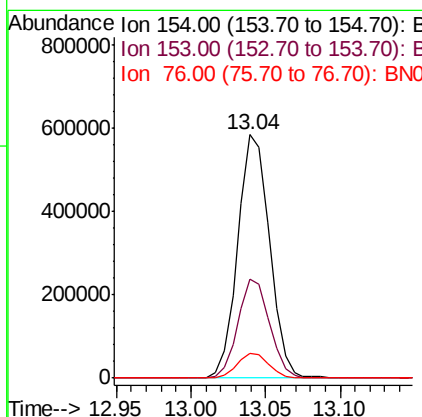
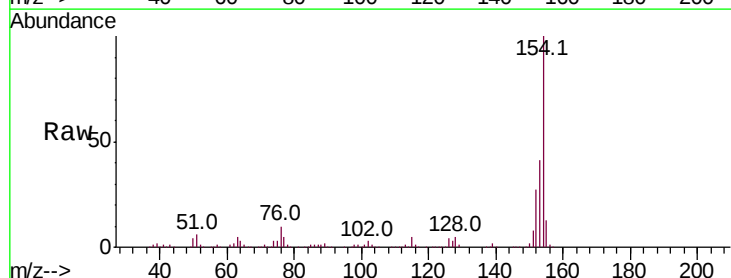
Instrument :
 BNA_N
 ClientSampleId :

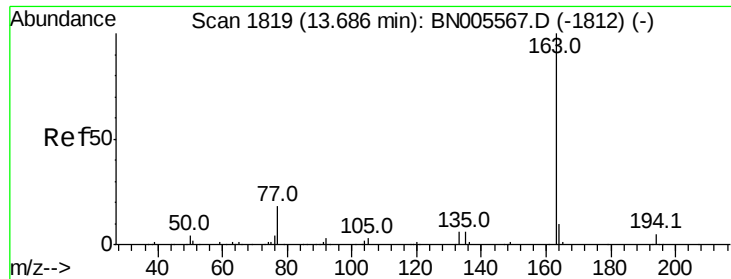
Tot Ion:142 Resp: 83205
 Ion Ratio Lower Upper
 142 100
 141 92.8 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 32.110 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Tgt Ion:154 Resp: 869102
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.6 49.0
 76 10.2 10.4 15.6#

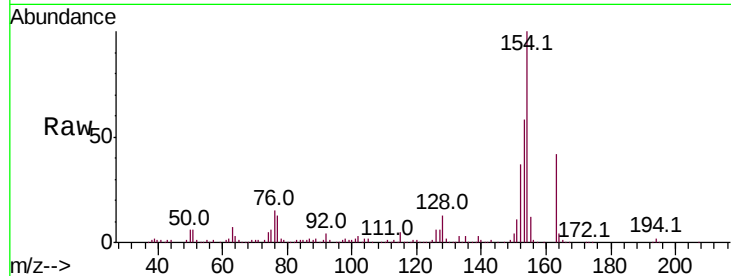




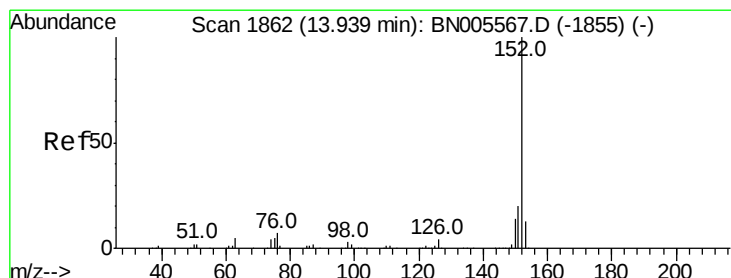
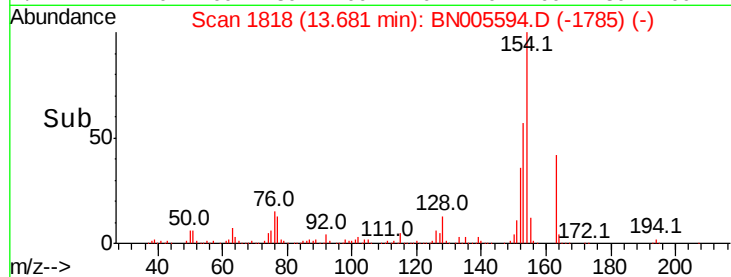
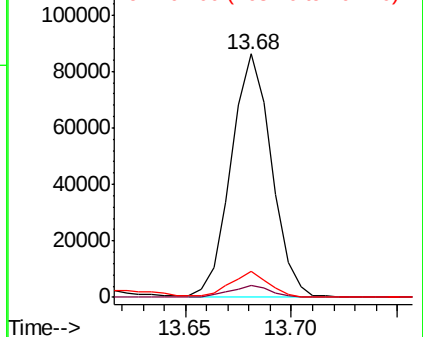
#44
Dimethylphthalate
Concen: 4.358 ng/ul
RT: 13.68 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BN005594.D
Acq: 10 May 2019 18:30

Instrument :
BNA_N
ClientSampled :

Tot Ion:163 Resp: 114503
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.0
164 10.6 8.1 12.1

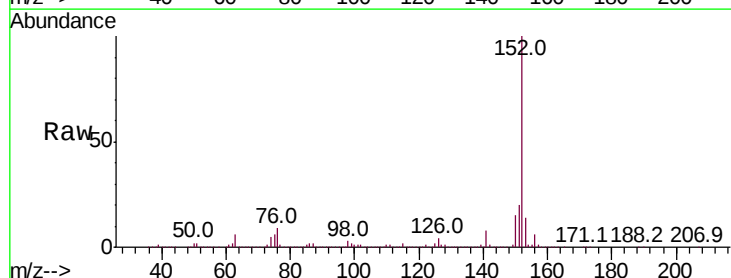


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

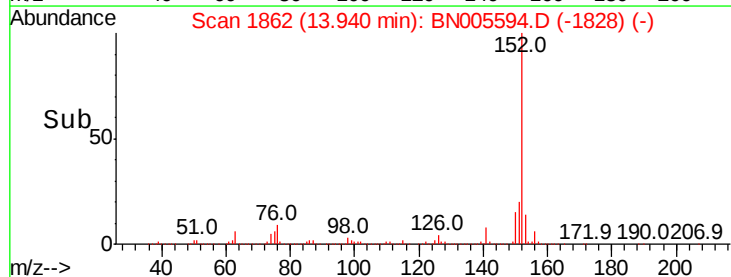
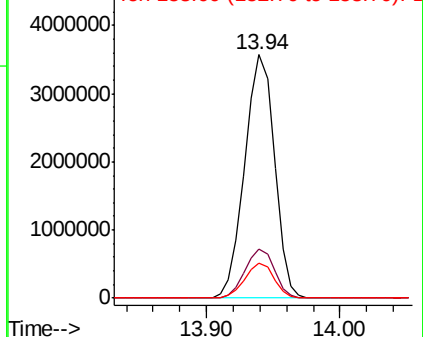


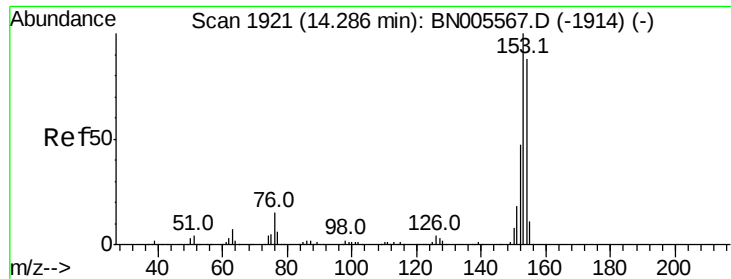
#47
Acenaphthylene
Concen: 172.560 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BN005594.D
Acq: 10 May 2019 18:30

Tgt Ion:152 Resp: 5492350
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 14.5 9.8 14.8



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





#49

Acenaphthene

Concen: 26.109 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

Instrument :

BNA_N

ClientSampleId :

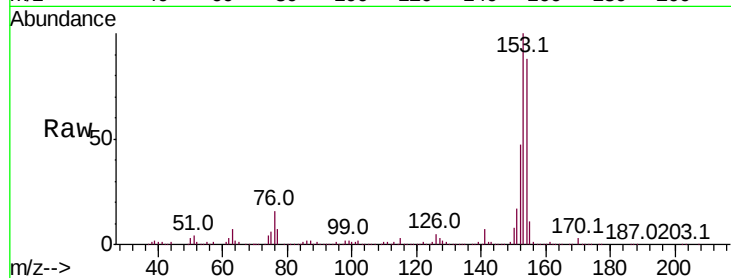
Tot Ion:153 Resp: 567325

Ion Ratio Lower Upper

153 100

152 47.3 37.4 56.0

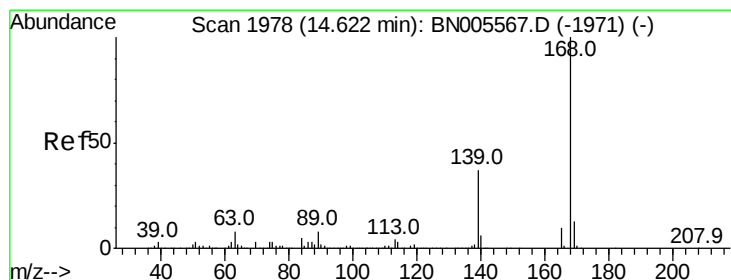
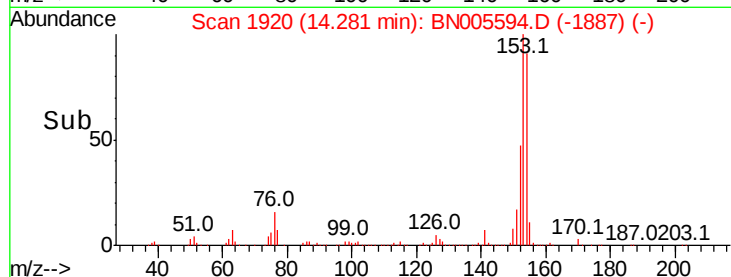
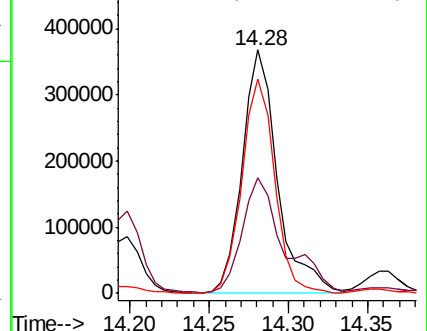
154 87.8 71.2 106.8



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



#53

Dibenzofuran

Concen: 22.268 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005594.D

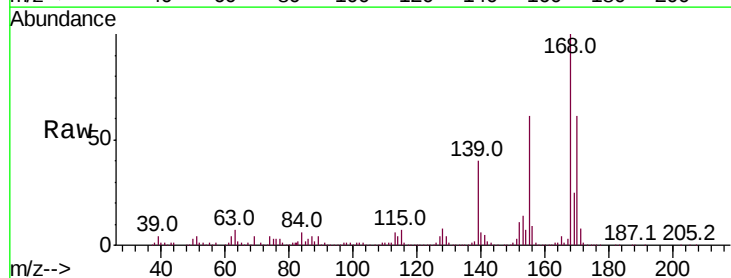
Acq: 10 May 2019 18:30

Tgt Ion:168 Resp: 696661

Ion Ratio Lower Upper

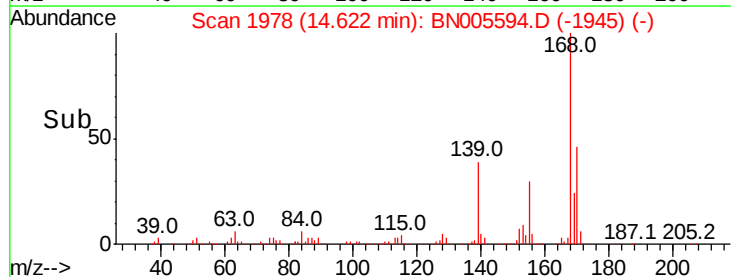
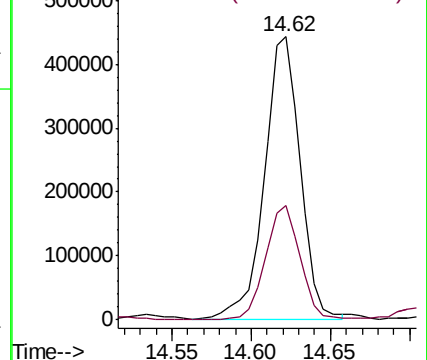
168 100

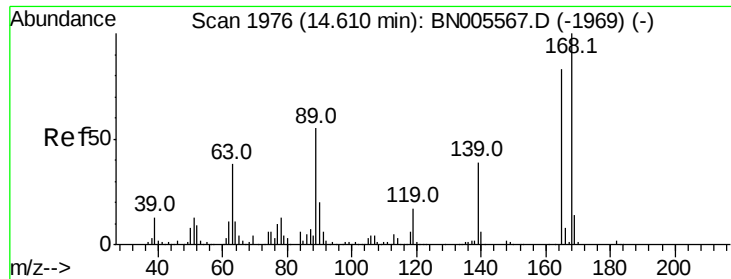
139 40.5 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

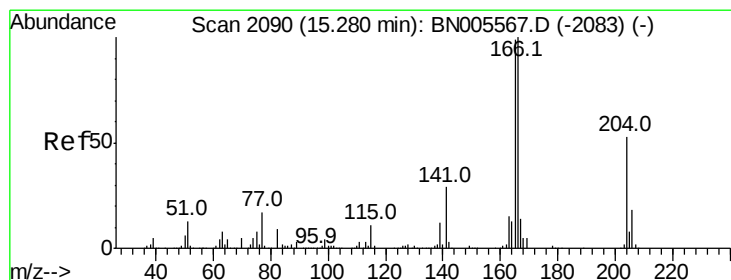
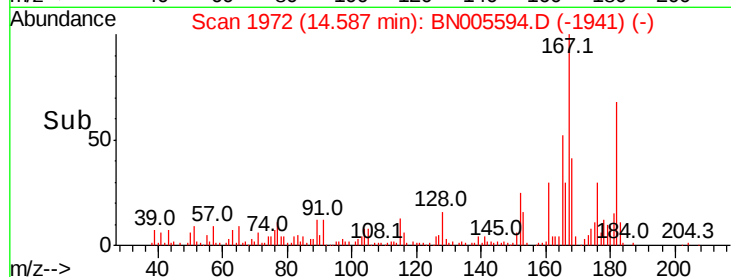
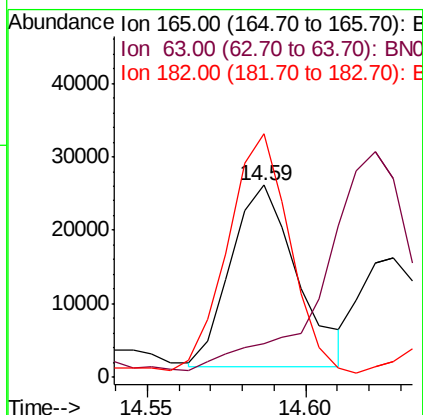
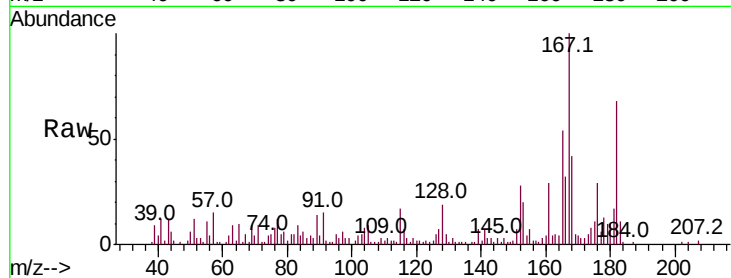




#54
 2,4-Dinitrotoluene
 Concen: 5.450 ng/ul
 RT: 14.59 min Scan# 1972
 Delta R.T. -0.02 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

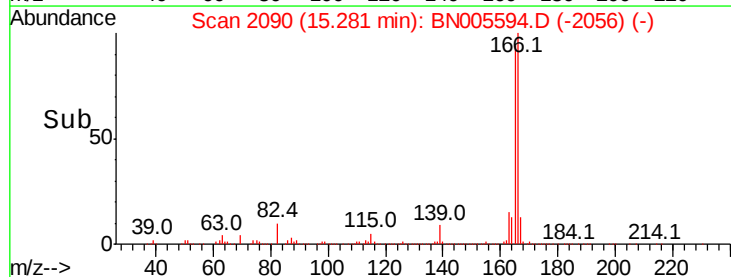
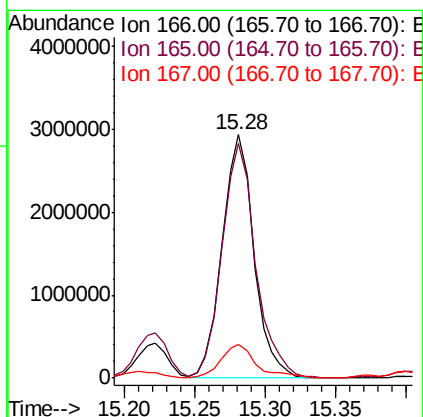
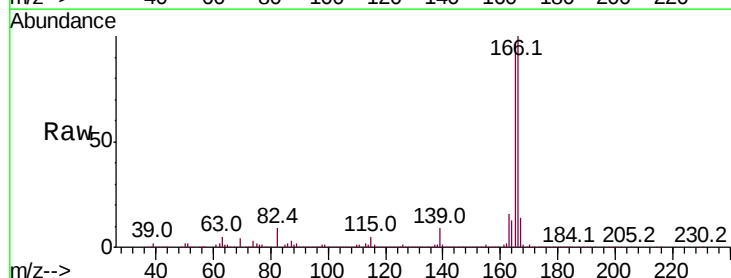
Instrument :
 BNA_N
 ClientSampleId :

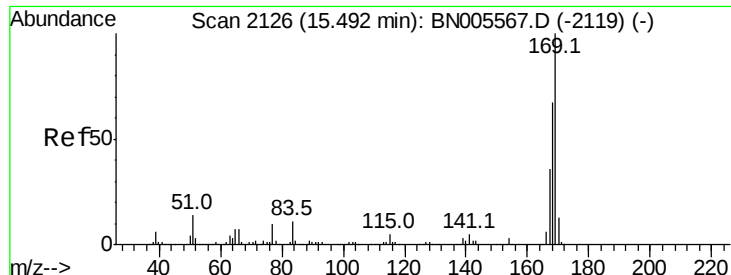
Tot Ion:165 Resp: 35644
 Ion Ratio Lower Upper
 165 100
 63 17.3 38.9 58.3#
 182 126.7 2.6 3.8#



#58
 Fluorene
 Concen: 188.637 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Tgt Ion:166 Resp: 4605019
 Ion Ratio Lower Upper
 166 100
 165 96.5 80.0 120.0
 167 13.6 10.7 16.1



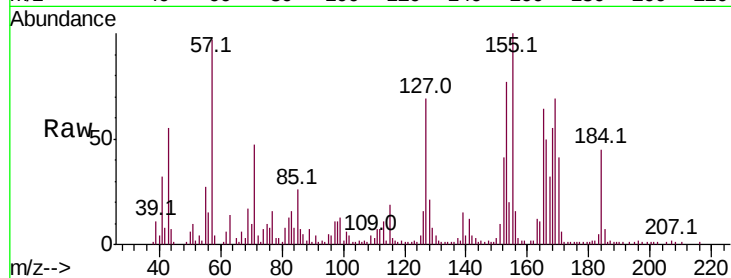


#64

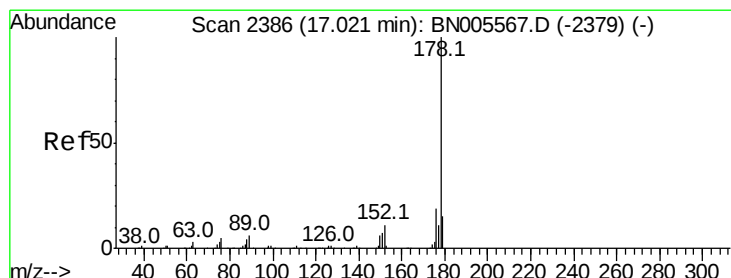
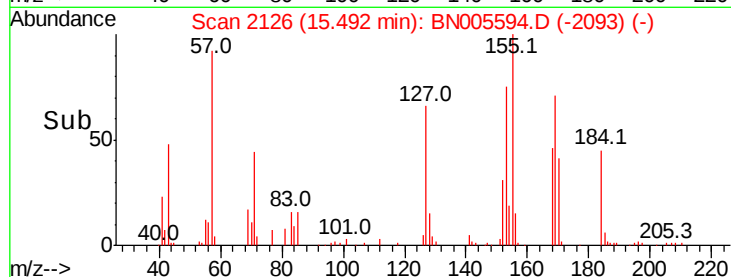
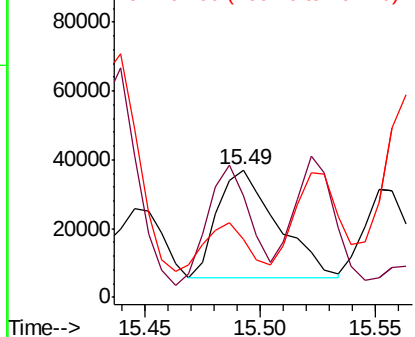
N-Nitrosodiphenylamine
 Concen: 2.742 ng/ul
 RT: 15.49 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:169 Resp: 56167
 Ion Ratio Lower Upper
 169 100
 168 79.4 52.2 78.2#
 167 45.8 27.7 41.5#



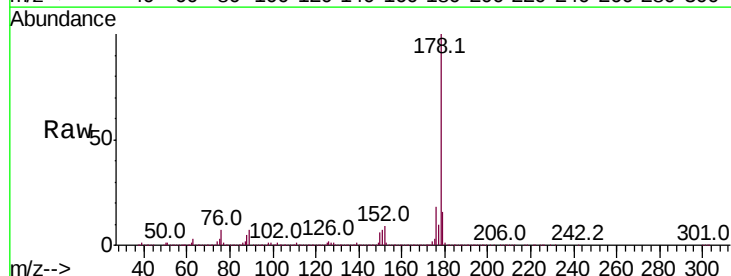
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



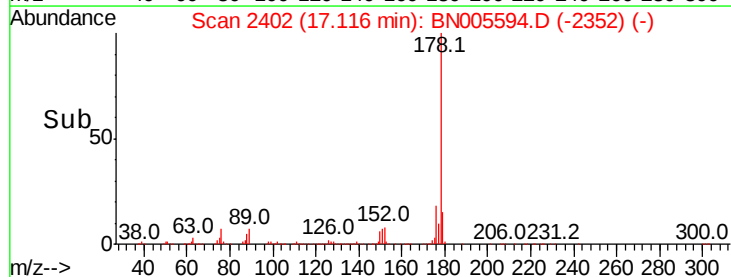
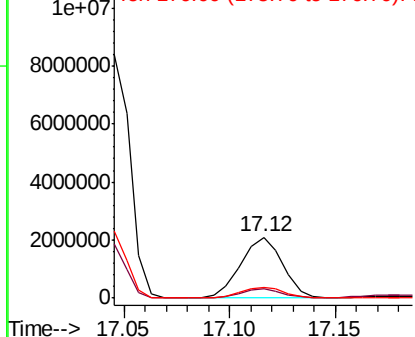
#69

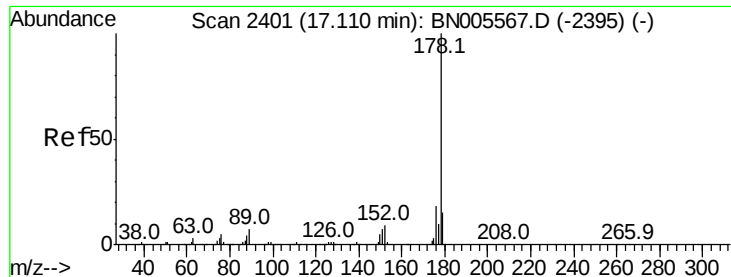
Phenanthrene
 Concen: 78.196 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.09 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Tgt Ion:178 Resp: 2850403
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.2 18.4
 176 18.1 15.1 22.7



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

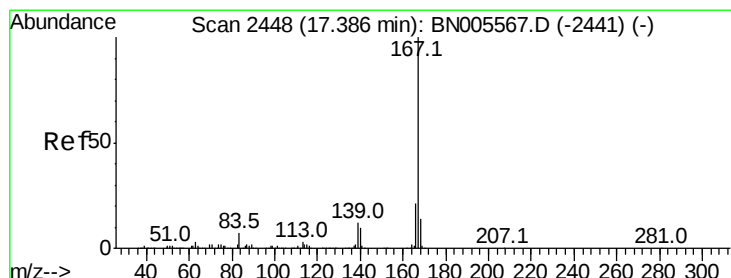
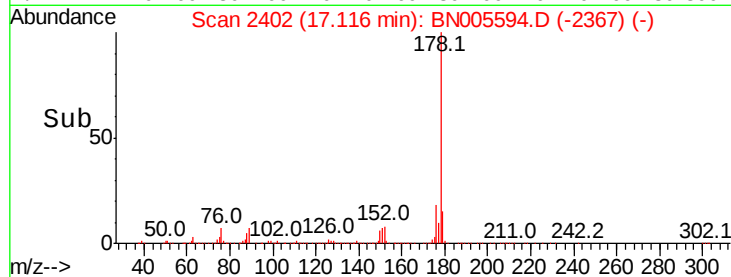
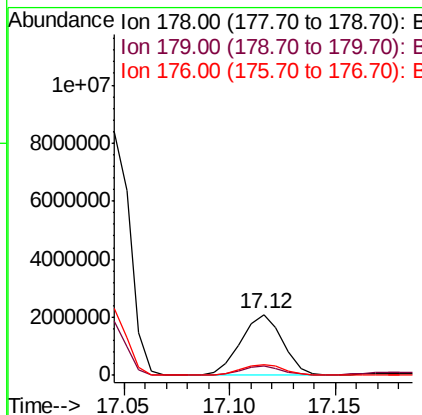
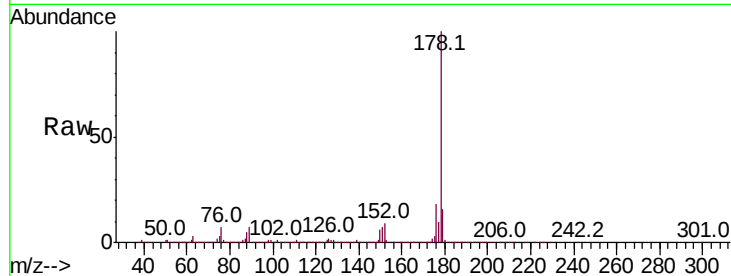




#71
 Anthracene
 Concen: 76.730 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

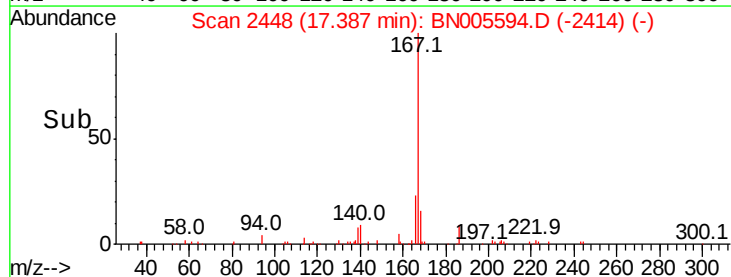
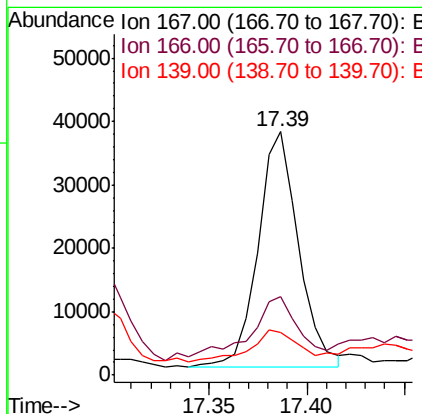
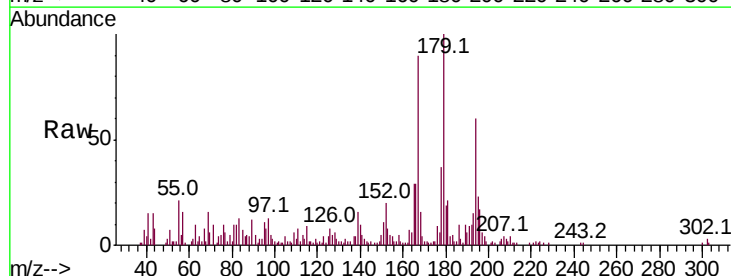
Instrument :
 BNA_N
 ClientSampleId :

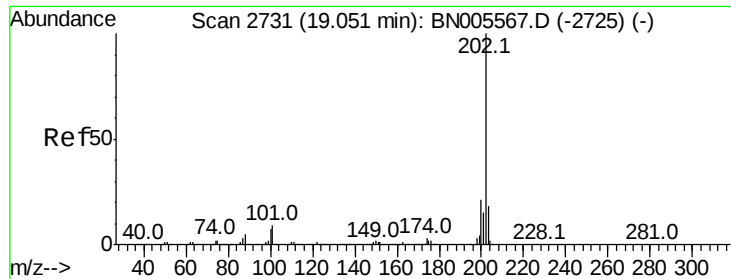
Tot Ion:178 Resp: 2849270
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 18.1 15.1 22.7



#74
 Carbazole
 Concen: 1.662 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. 0.00 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Tgt Ion:167 Resp: 53028
 Ion Ratio Lower Upper
 167 100
 166 32.3 17.2 25.8#
 139 17.6 10.6 16.0#

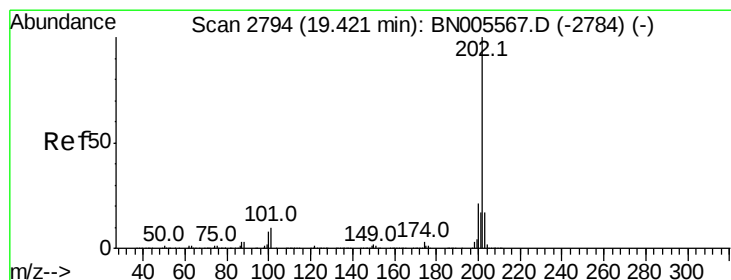
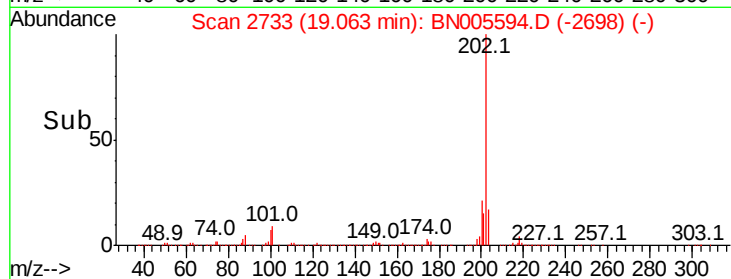
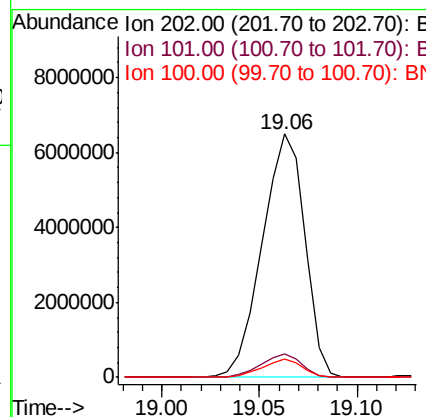
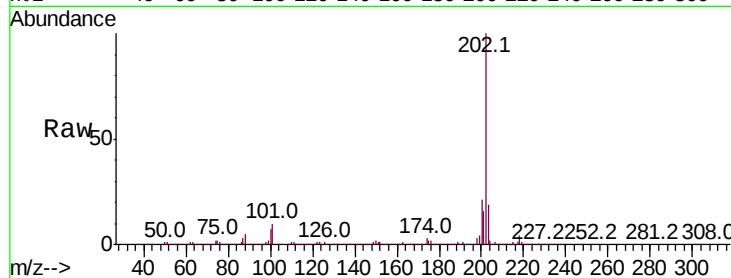




#76
 Fluoranthene
 Concen: 242.105 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

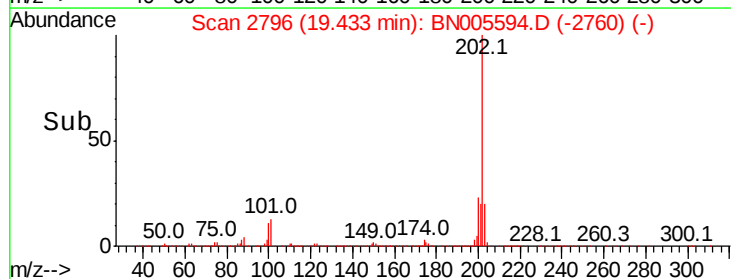
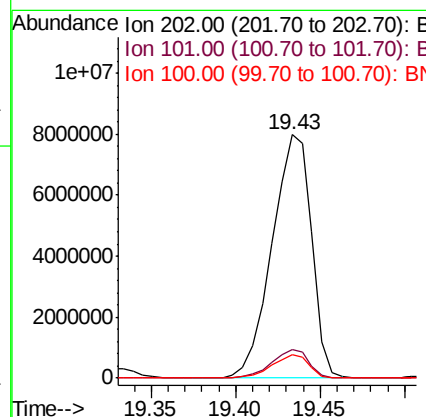
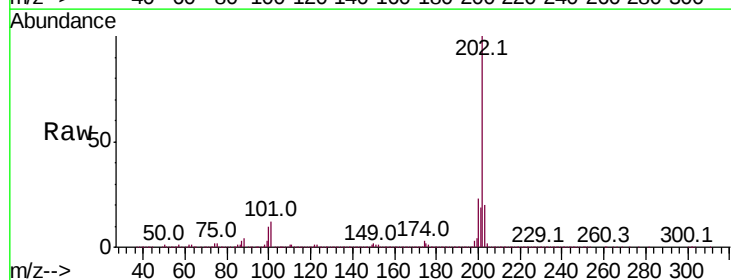
Instrument :
 BNA_N
 ClientSampled :

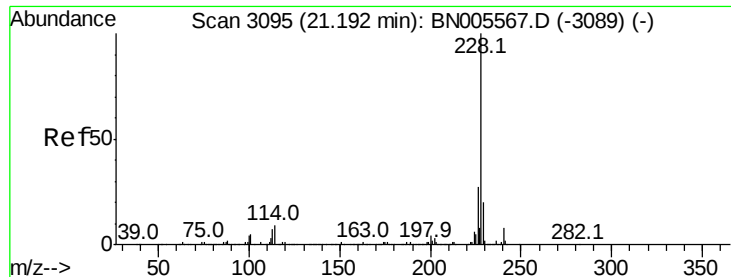
Tot Ion:202 Resp: 9788857
 Ion Ratio Lower Upper
 202 100
 101 9.5 8.6 12.8
 100 7.4 6.3 9.5



#79
 Pyrene
 Concen: 320.888 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BN005594.D
 Acq: 10 May 2019 18:30

Tgt Ion:202 Resp:12910720
 Ion Ratio Lower Upper
 202 100
 101 12.0 10.3 15.5
 100 9.8 7.9 11.9





#82

Benzo(a)anthracene

Concen: 110.221 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.06 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

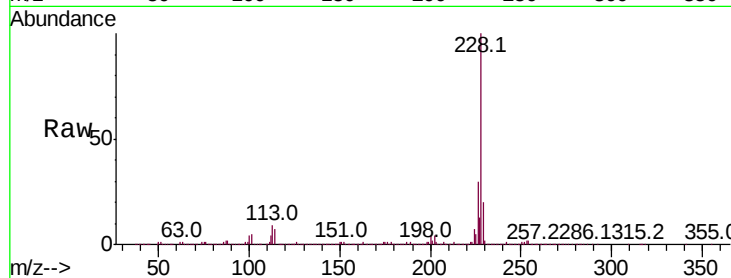
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 4284768

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	30.3	21.4	32.2

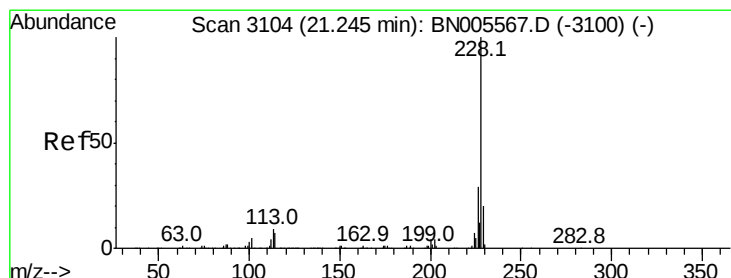
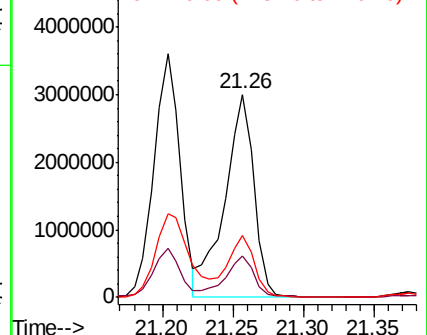
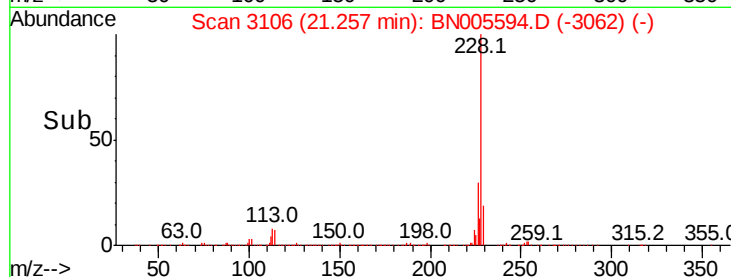


Abundance

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



#84

Chrysene

Concen: 118.820 ng/ul

RT: 21.26 min Scan# 3106

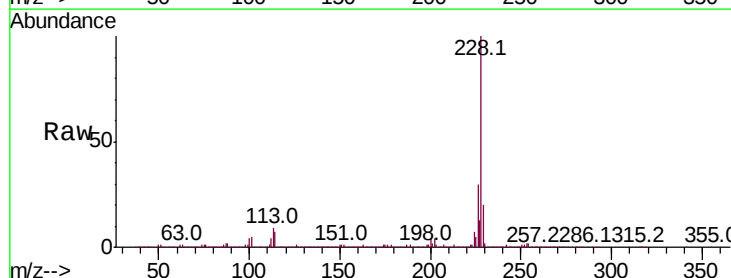
Delta R.T. 0.01 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

Tgt Ion:228 Resp: 4286880

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	20.1	15.4	23.0

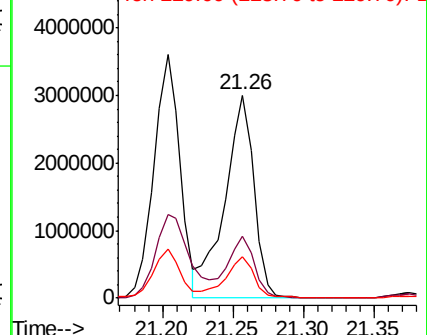
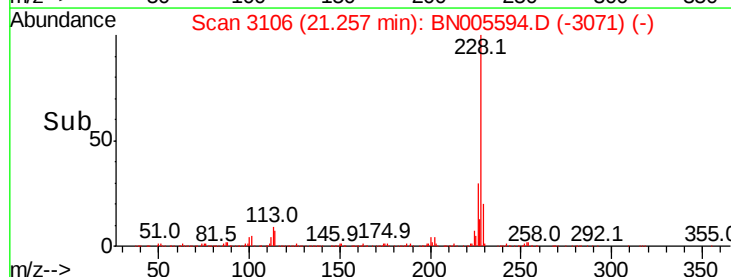


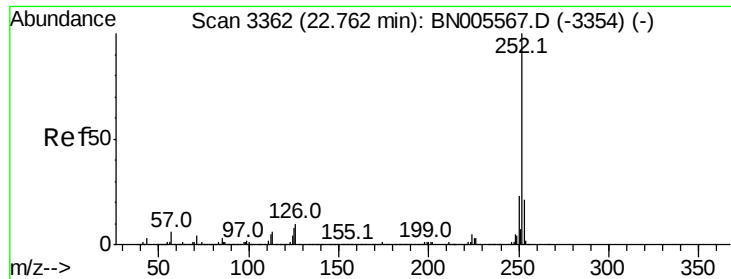
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 80.773 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

Instrument :

BNA_N

ClientSampleId :

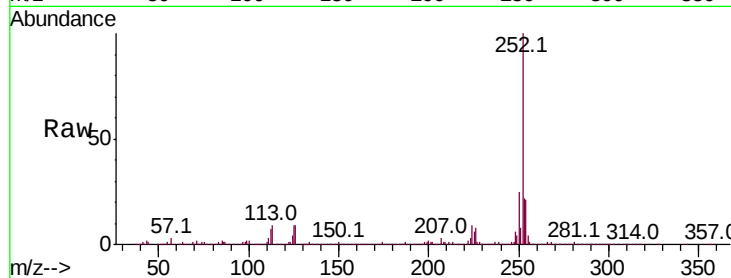
Tot Ion:252 Resp: 2702071

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

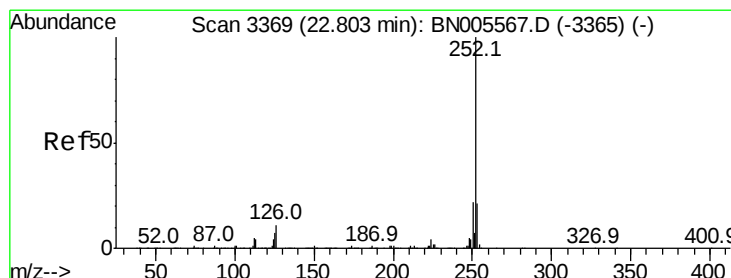
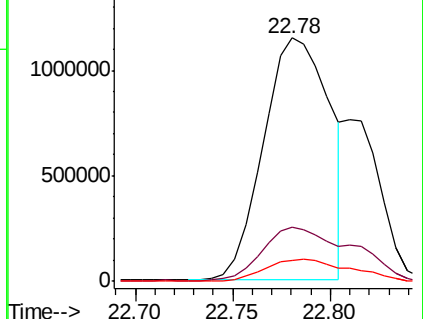
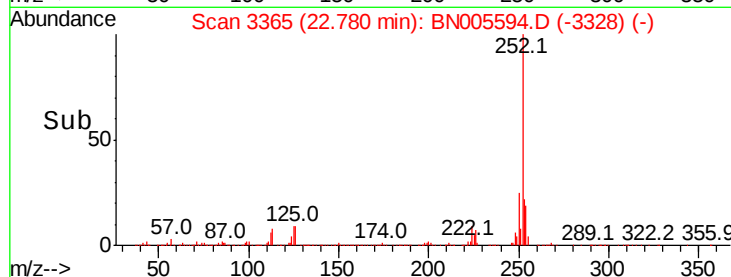
125 8.8 8.4 12.6



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



#88

Benzo(k)fluoranthene

Concen: 84.574 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

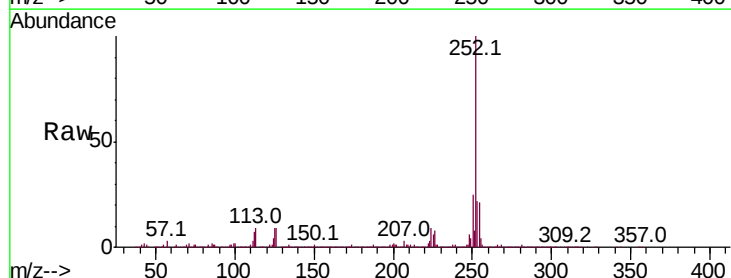
Tgt Ion:252 Resp: 2702071

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

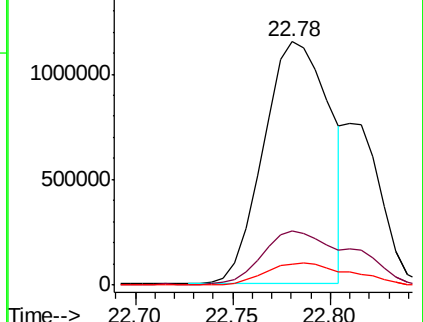
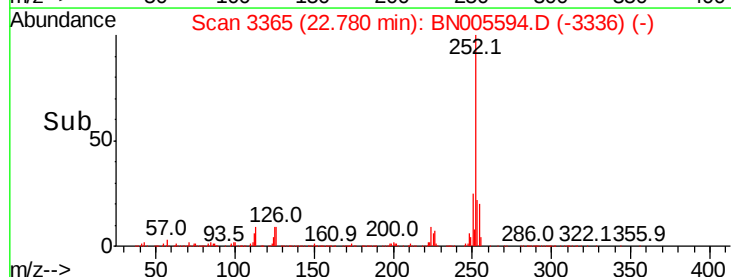
125 8.8 7.5 11.3

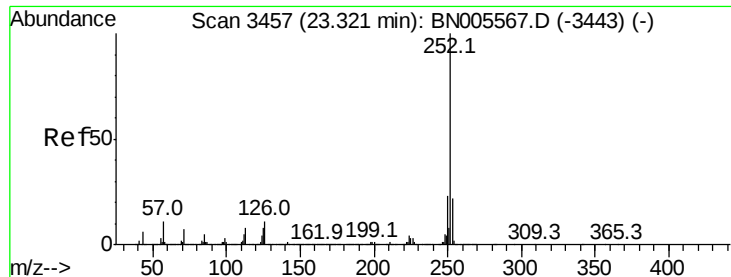


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 50.088 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. -0.09 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

Instrument :

BNA_N

ClientSampleId :

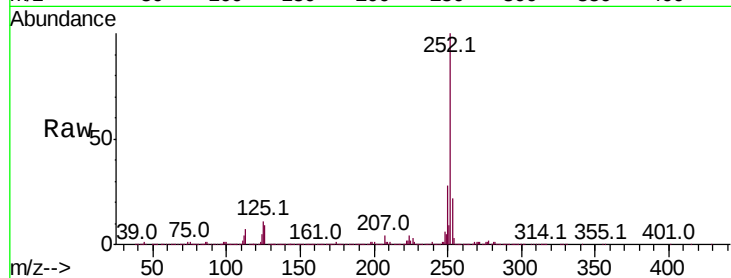
Tot Ion:252 Resp: 1574956

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

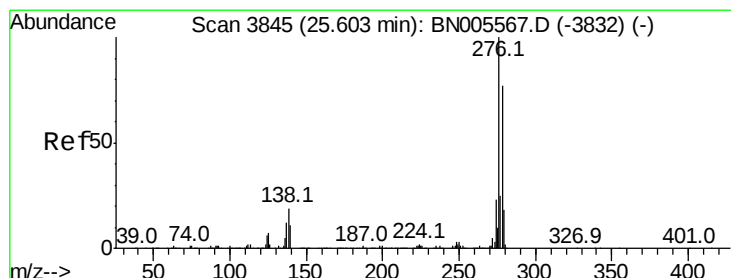
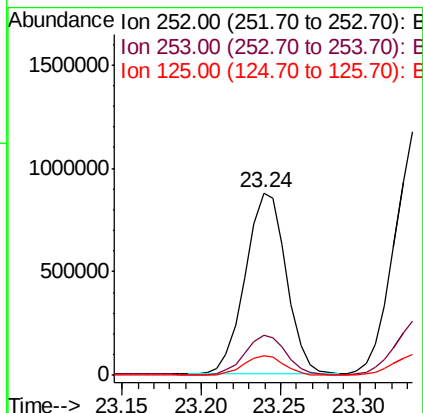
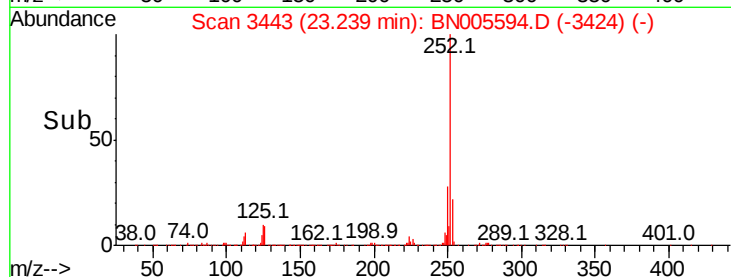
125 10.6 8.6 13.0



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 32.510 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. 0.01 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

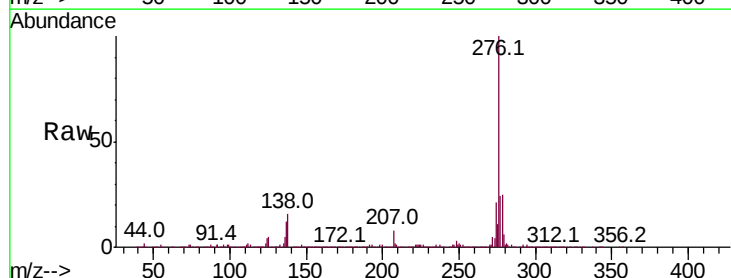
Tgt Ion:276 Resp: 1130183

Ion Ratio Lower Upper

276 100

138 16.3 17.9 26.9#

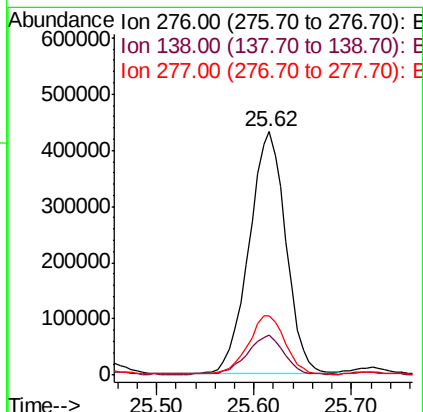
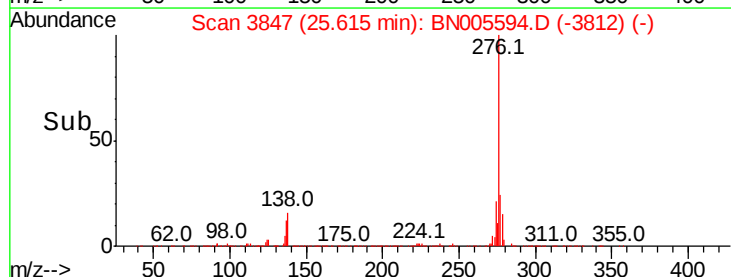
277 24.3 19.7 29.5

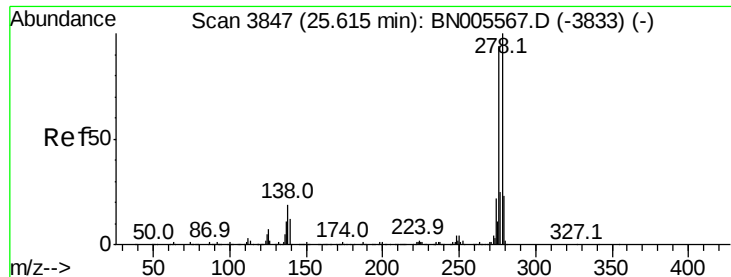


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.861 ng/ul

RT: 25.72 min Scan# 3865

Delta R.T. 0.10 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

Instrument :

BNA_N

ClientSampled :

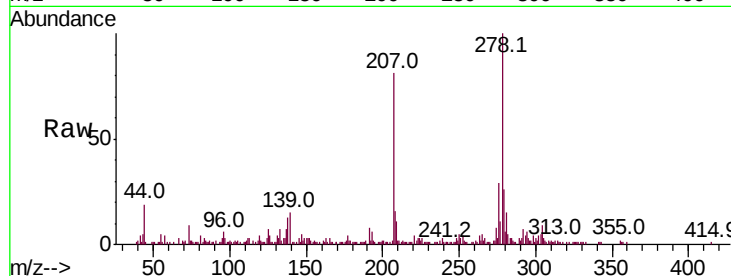
Tot Ion:278 Resp: 113902

Ion Ratio Lower Upper

278 100

139 15.5 13.1 19.7

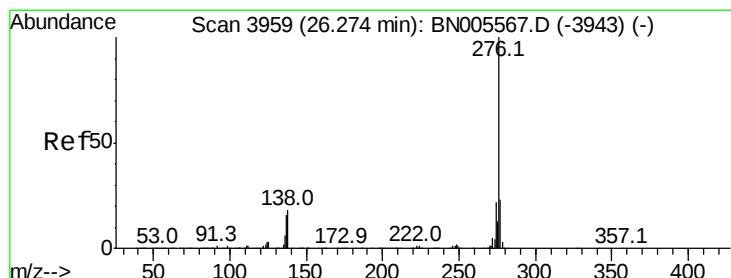
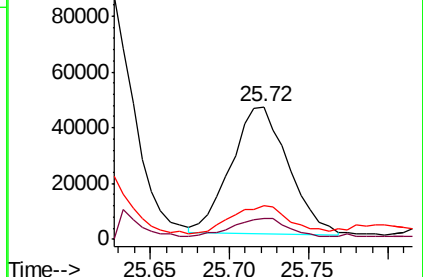
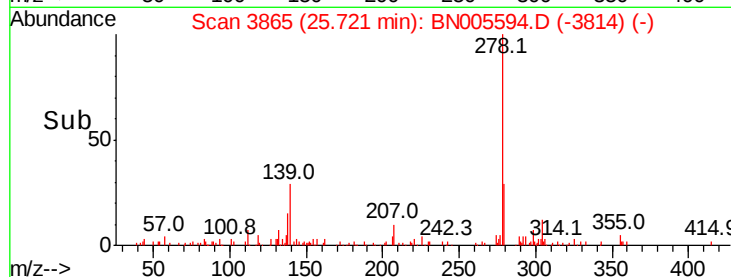
279 25.8 19.4 29.0



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



#93

Benzo(g,h,i)perylene

Concen: 36.847 ng/ul

RT: 26.28 min Scan# 3960

Delta R.T. 0.01 min

Lab File: BN005594.D

Acq: 10 May 2019 18:30

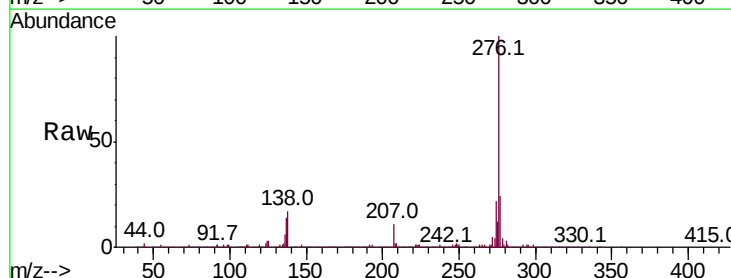
Tgt Ion:276 Resp: 1059174

Ion Ratio Lower Upper

276 100

138 17.5 16.7 25.1

277 24.0 18.2 27.2



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

