

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 10 01:21:03 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	7.59	152	295343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1275326	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	791747	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1698514	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1133327	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1235962	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	1461	0.24	ng/uL	0.00
5) Phenol-d5	6.78	99	36030	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	21533	1.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	32226	1.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	29362	1.62	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	16490	2.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	13770	1.73	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	27750	1.52	ng/ul	0.03
29) 4-Chloroaniline-d4	10.52	131	8930	0.47	ng/ul	0.03
43) Dimethylphthalate-d6	13.64	166	114287	1.99	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	153244	2.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	490	0.05	ng/ul	0.00
57) Fluorene-d10	15.23	176	110646	2.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	389	0.05	ng/ul	0.03
70) Anthracene-d10	17.08	188	166946	2.34	ng/ul	0.00
78) Pyrene-d10	19.40	212	150725	2.60	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	116723	2.16	ng/ul	0.02

Target Compounds

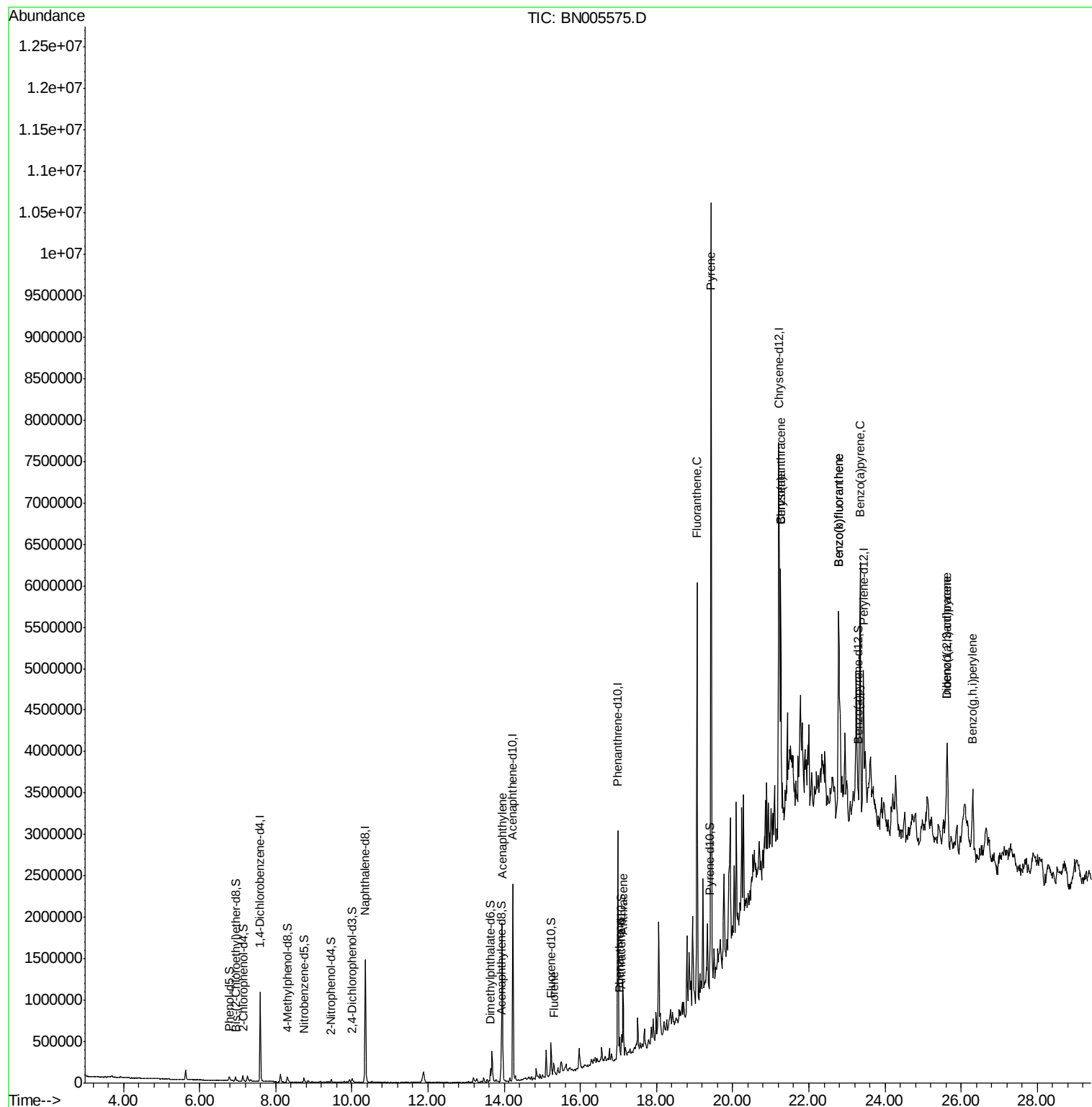
					Ovalue	
47) Acenaphthylene	13.95	152	1381459	19.914	ng/ul	98
58) Fluorene	15.30	166	71057	1.335	ng/ul#	51
69) Phenanthrene	17.03	178	149228	1.804	ng/ul	97
71) Anthracene	17.12	178	654352	7.765	ng/ul	99
76) Fluoranthene	19.06	202	3092973	33.710	ng/ul#	95
79) Pyrene	19.43	202	6096277	83.543	ng/ul#	94
82) Benzo(a)anthracene	21.26	228	1931515	27.396	ng/ul	95
84) Chrysene	21.26	228	1932235	29.529	ng/ul	98
87) Benzo(b)fluoranthene	22.79	252	2117639	30.480	ng/ul	97
88) Benzo(k)fluoranthene	22.79	252	2117639	31.914	ng/ul	95
90) Benzo(a)pyrene	23.35	252	2010153	30.781	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.63	276	1001811	13.875	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.63	278	326059	5.321	ng/ul#	88
93) Benzo(g,h,i)perylene	26.30	276	1013787	16.981	ng/ul#	93

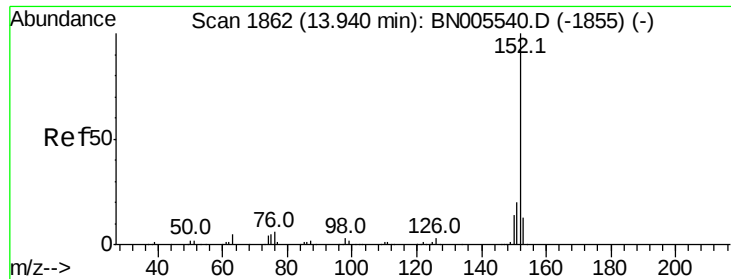
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 19.914 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

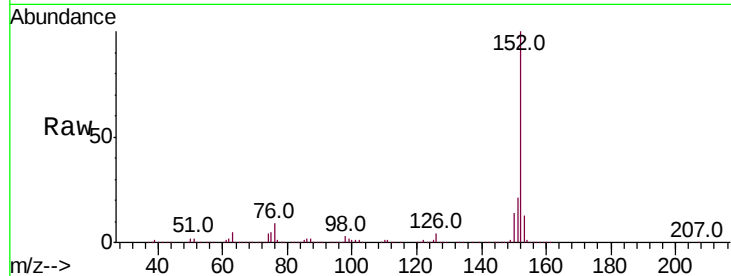
Tot Ion:152 Resp: 1381459

Ion Ratio Lower Upper

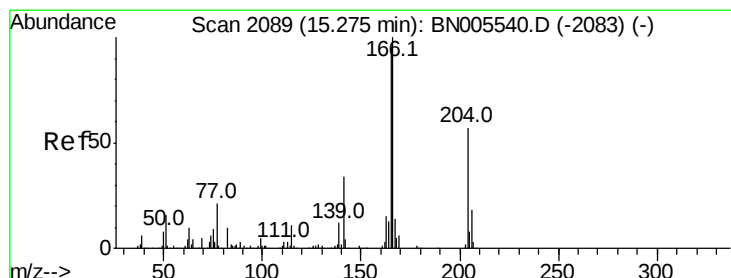
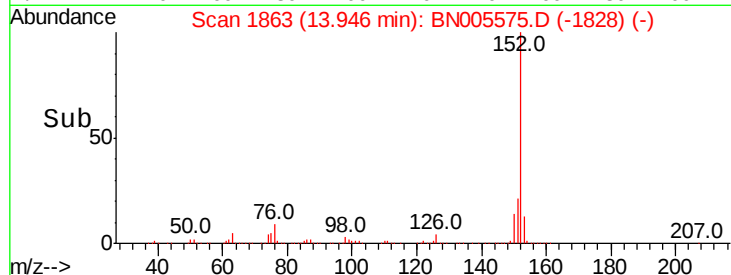
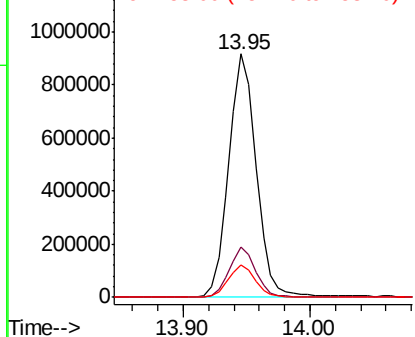
152 100

151 20.7 15.8 23.8

153 13.2 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



#58

Fluorene

Concen: 1.335 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

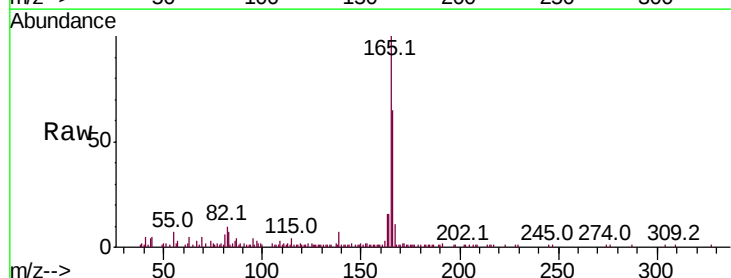
Tgt Ion:166 Resp: 71057

Ion Ratio Lower Upper

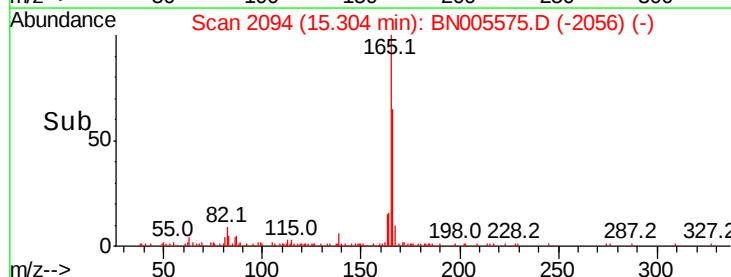
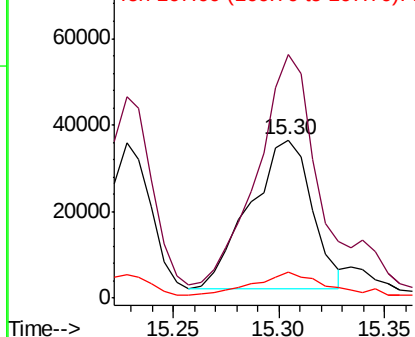
166 100

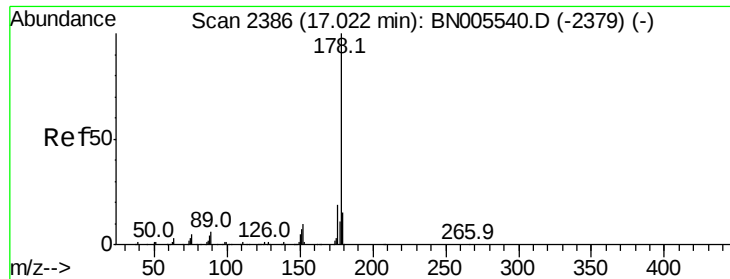
165 154.1 80.0 120.0#

167 16.2 10.7 16.1#



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





#69

Phenanthrene

Concen: 1.804 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampled :

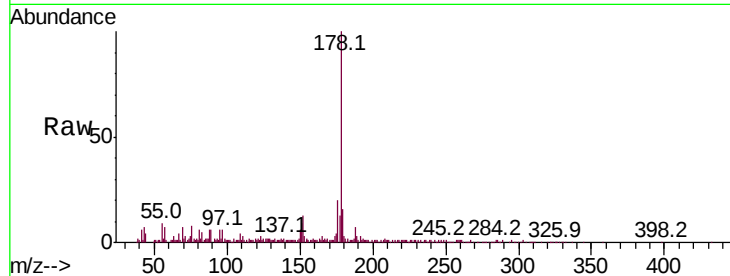
Tot Ion:178 Resp: 149228

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.4

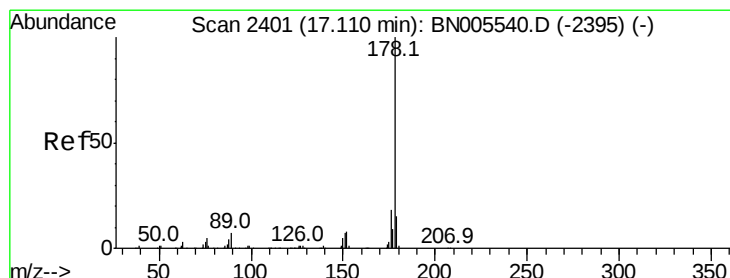
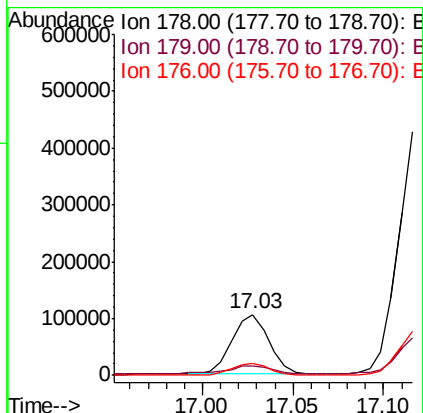
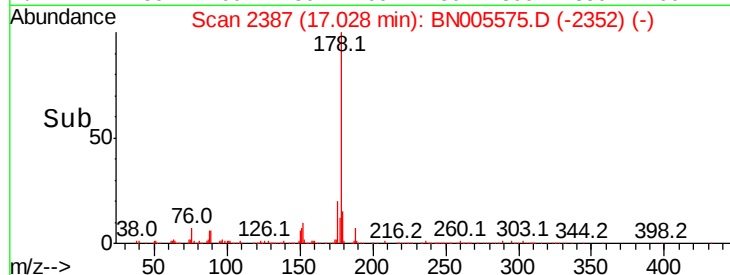
176 20.3 15.1 22.7



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: 7.765 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

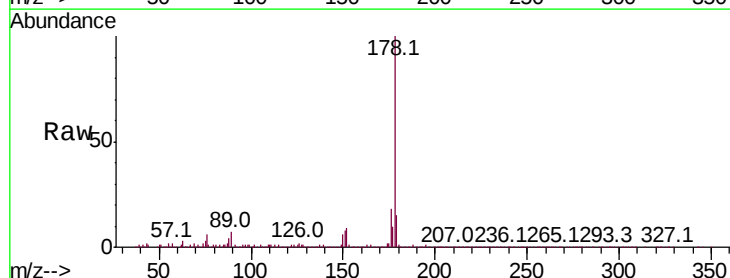
Tgt Ion:178 Resp: 654352

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

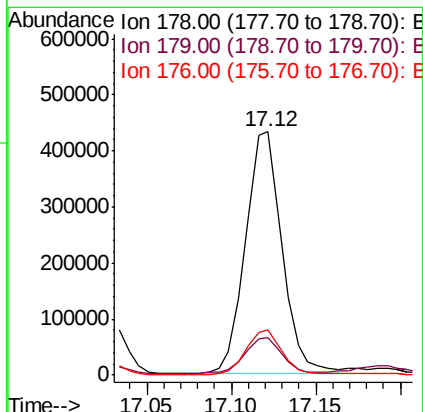
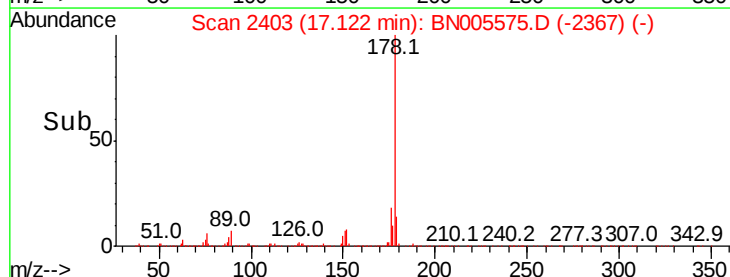
176 18.5 15.1 22.7

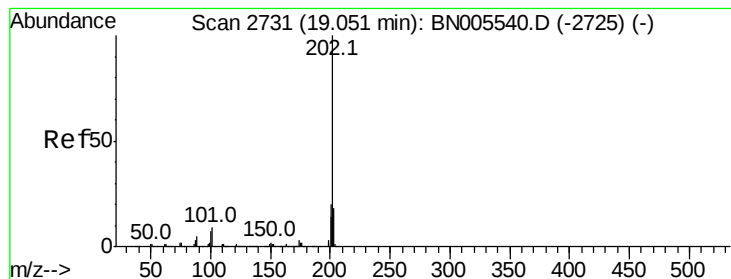


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 33.710 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

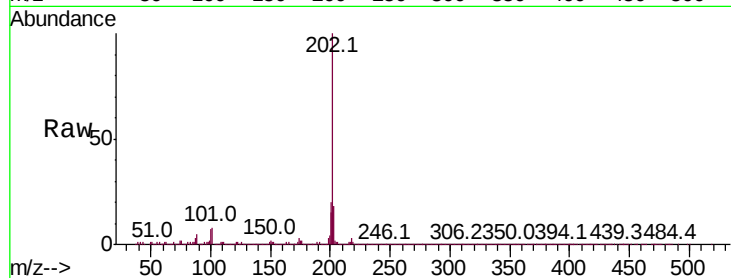
Tot Ion:202 Resp: 3092973

Ion Ratio Lower Upper

202 100

101 8.3 8.6 12.8#

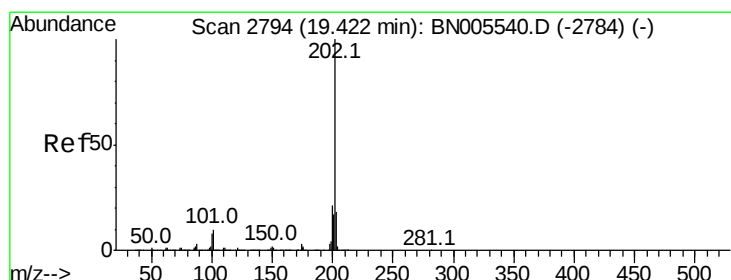
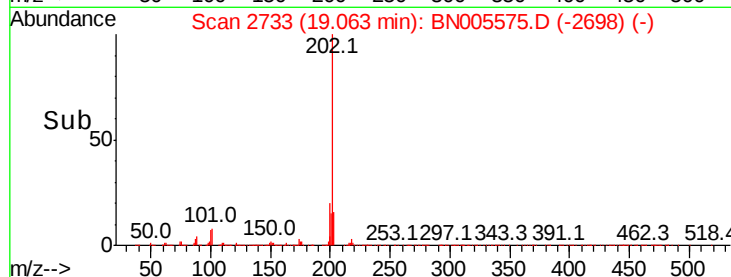
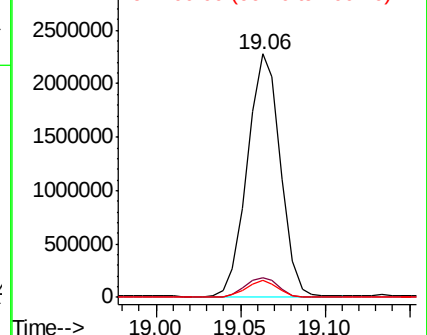
100 6.8 6.3 9.5



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



#79

Pyrene

Concen: 83.543 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

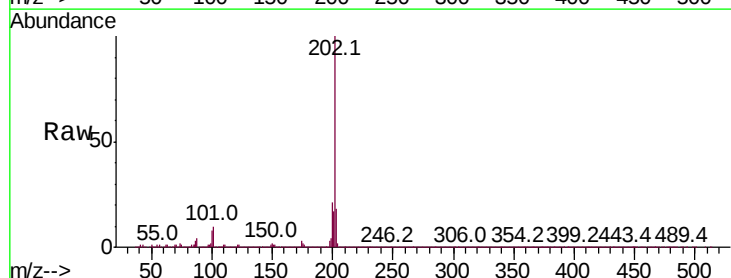
Tgt Ion:202 Resp: 6096277

Ion Ratio Lower Upper

202 100

101 10.1 10.3 15.5#

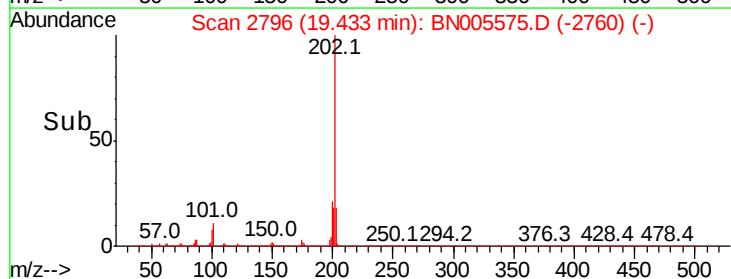
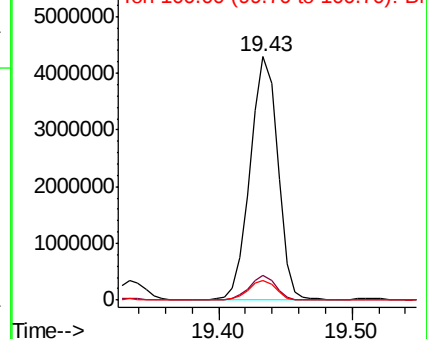
100 8.1 7.9 11.9

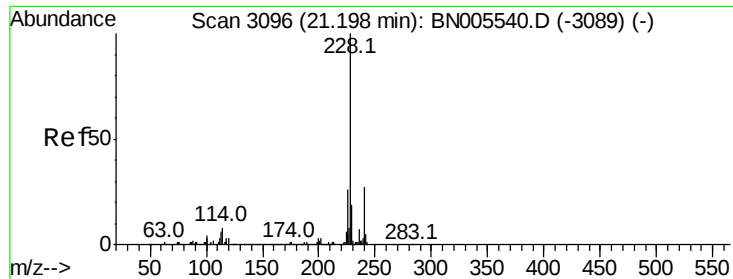


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 27.396 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.06 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

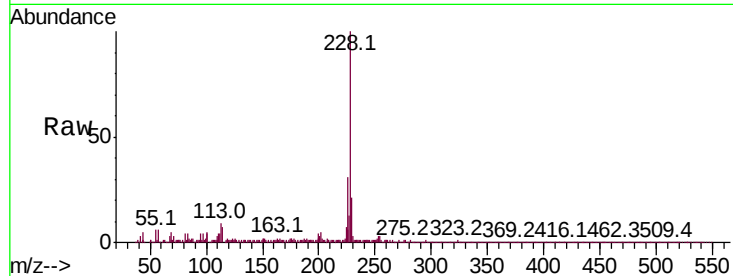
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 1931515

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	30.6	21.4	32.2

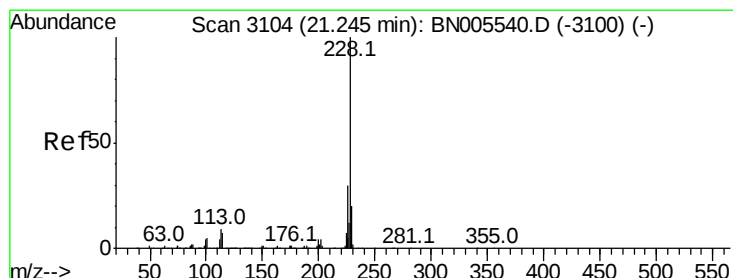
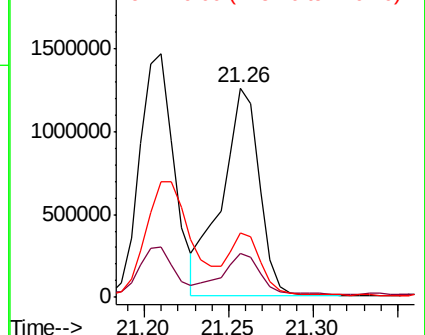
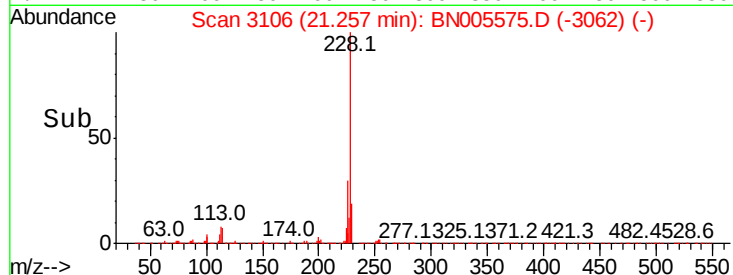


Abundance

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: 29.529 ng/ul

RT: 21.26 min Scan# 3106

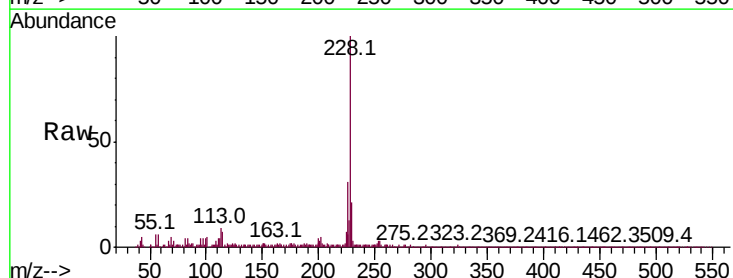
Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Tgt Ion:228 Resp: 1932235

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.8	15.4	23.0

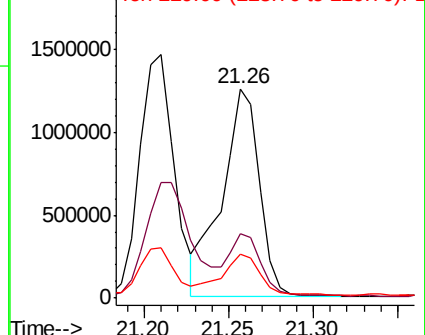
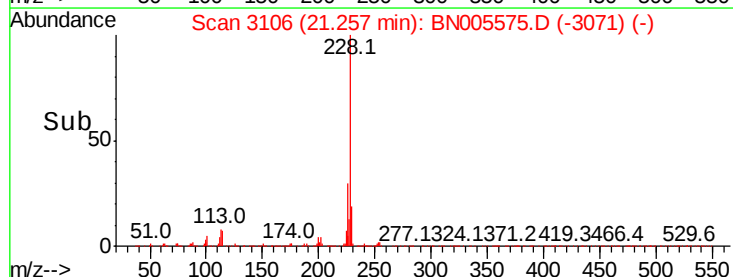


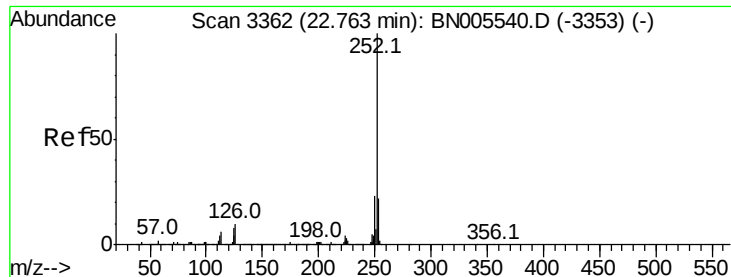
Abundance

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: 30.480 ng/u1

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

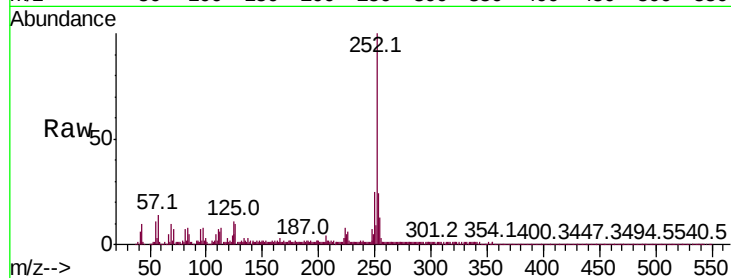
Tot Ion:252 Resp: 2117639

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

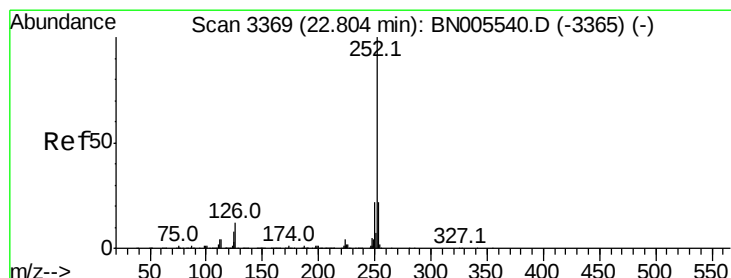
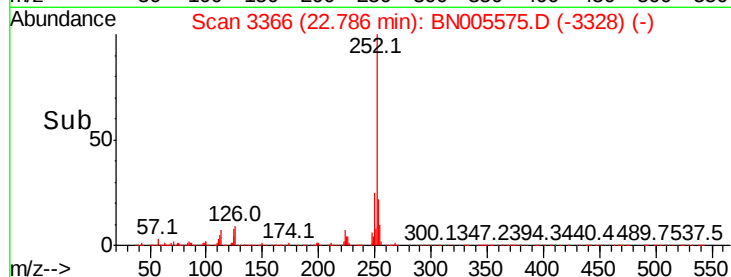
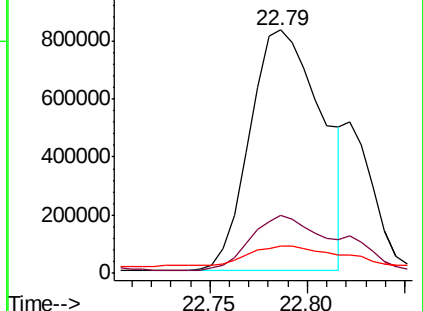
125 11.1 8.4 12.6



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: 31.914 ng/u1

RT: 22.79 min Scan# 3366

Delta R.T. -0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

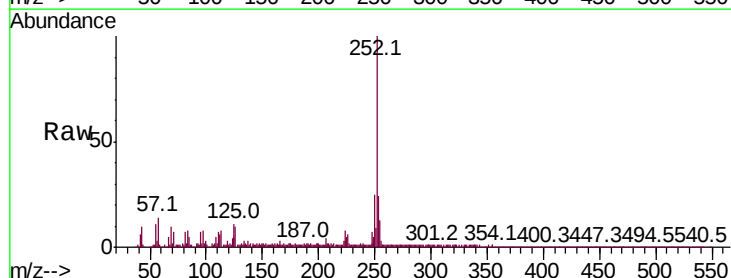
Tgt Ion:252 Resp: 2117639

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

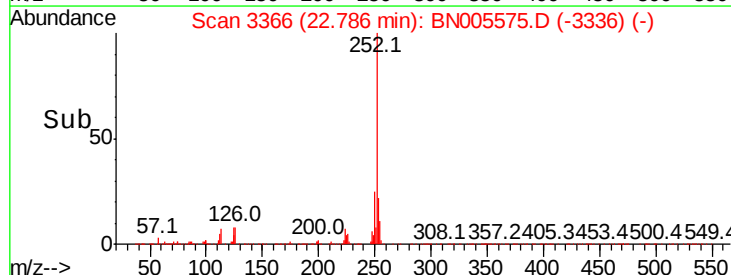
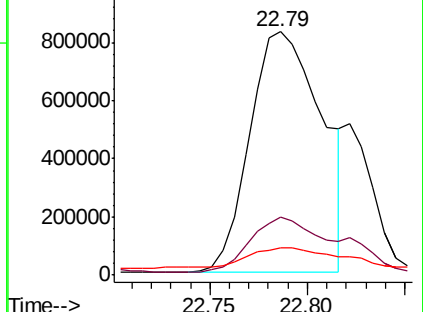
125 11.1 7.5 11.3

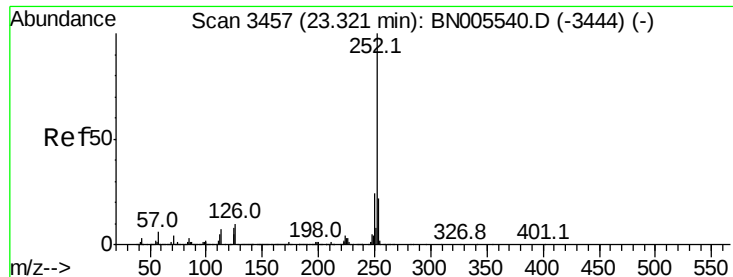


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 30.781 ng/ul

RT: 23.35 min Scan# 3461

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

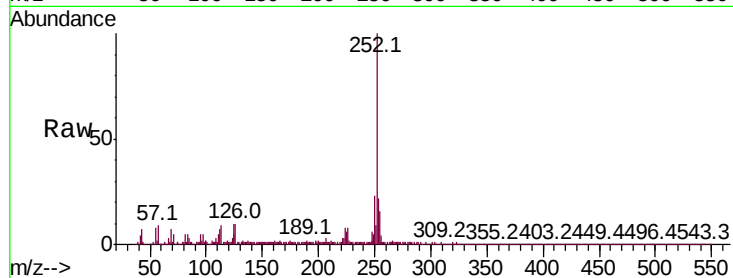
Tot Ion:252 Resp: 2010153

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

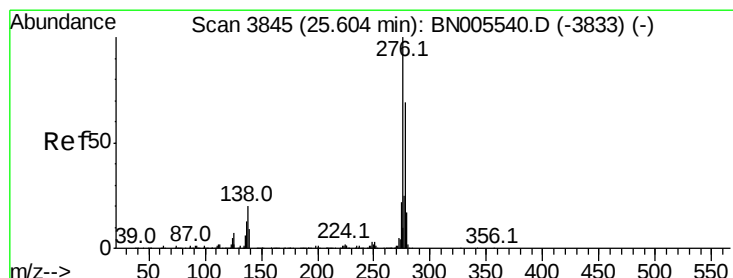
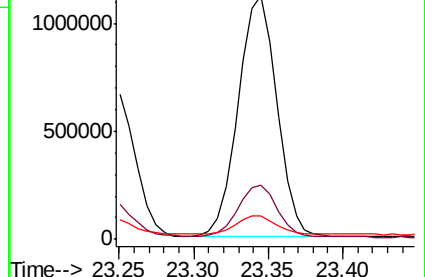
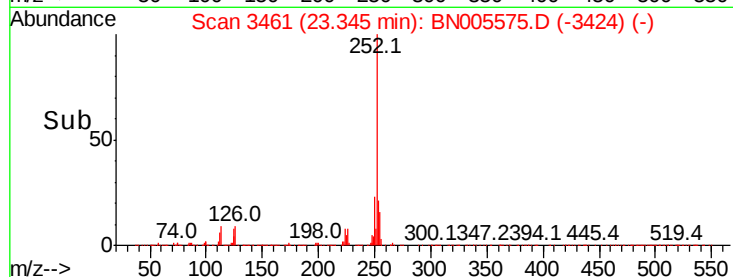
125 9.7 8.6 13.0



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: 13.875 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. 0.02 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

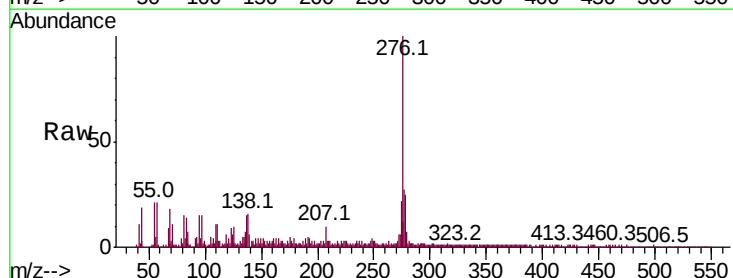
Tgt Ion:276 Resp: 1001811

Ion Ratio Lower Upper

276 100

138 16.4 17.9 26.9#

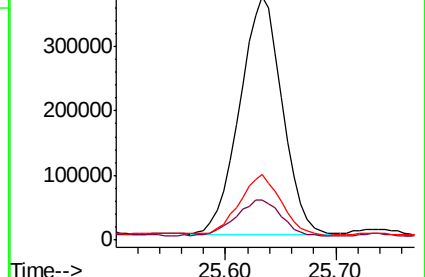
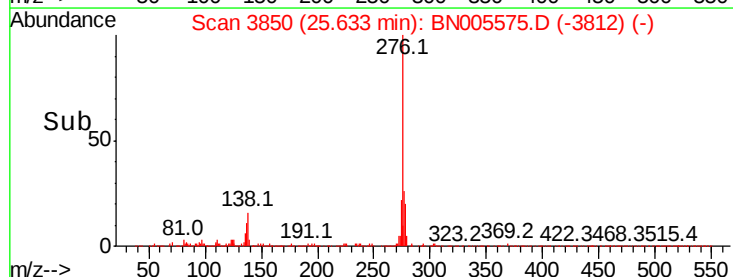
277 26.9 19.7 29.5

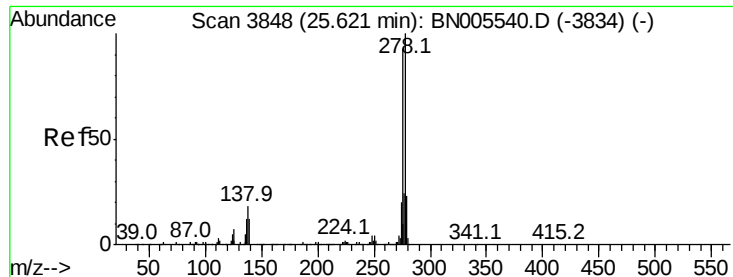


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.321 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. 0.01 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

Instrument :

BNA_N

ClientSampleId :

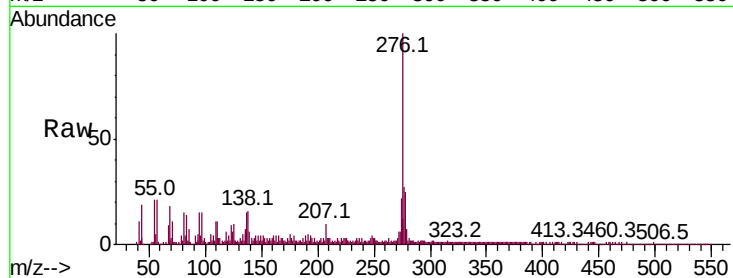
Tot Ion:278 Resp: 326059

Ion Ratio Lower Upper

278 100

139 22.8 13.1 19.7#

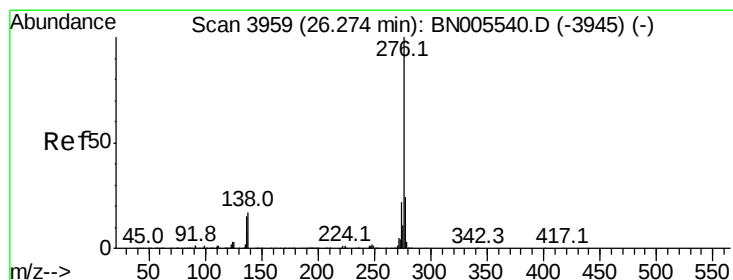
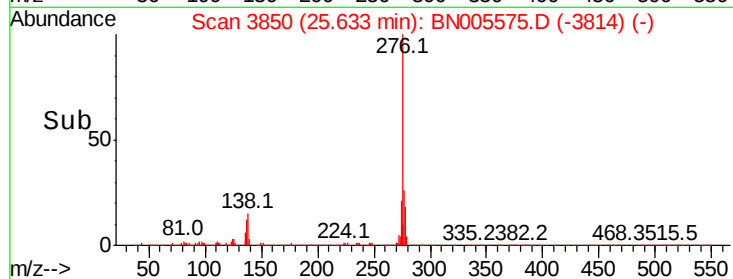
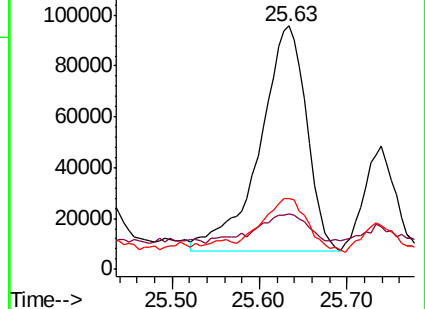
279 29.2 19.4 29.0#



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: 16.981 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. 0.03 min

Lab File: BN005575.D

Acq: 09 May 2019 20:35

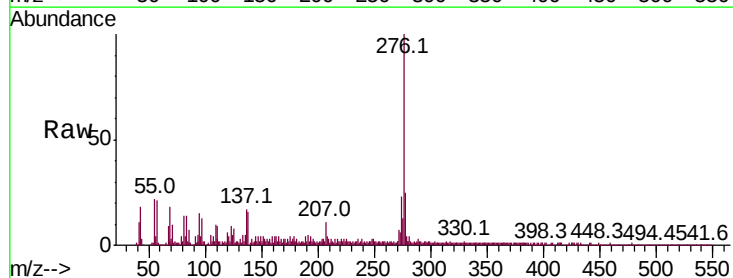
Tgt Ion:276 Resp: 1013787

Ion Ratio Lower Upper

276 100

138 16.2 16.7 25.1#

277 24.7 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

