

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005576.D
 Acq On : 09 May 2019 21:09
 Operator : JU/SJ
 Sample : K2604-18 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 10 01:21:12 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	340219	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1464877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	894387	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1910326	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1200005	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1313997	20.00	ng/ul	0.00

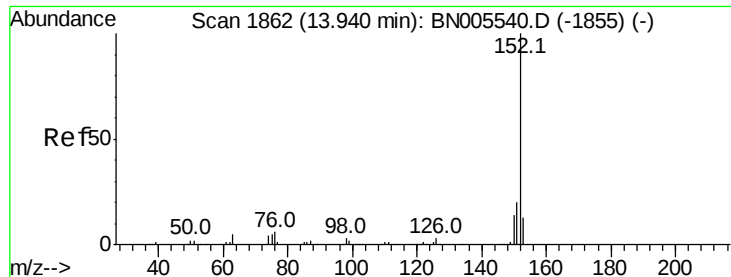
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	1685	0.24	ng/uL	0.00
5) Phenol-d5	6.78	99	46552	1.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	26456	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41038	2.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	36120	1.73	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	19546	2.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	17626	1.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	35858	1.71	ng/ul	0.03
29) 4-Chloroaniline-d4	10.52	131	19849	0.92	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	132966	2.05	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	170938	2.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	5836	0.57	ng/ul	0.04
57) Fluorene-d10	15.23	176	121662	2.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.08	188	182697	2.28	ng/ul	0.00
78) Pyrene-d10	19.40	212	162042	2.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	128009	2.23	ng/ul	0.01

Target Compounds

					Ovalue	
47) Acenaphthylene	13.95	152	1338254	17.077	ng/ul	99
58) Fluorene	15.30	166	72265	1.202	ng/ul#	61
69) Phenanthrene	17.03	178	425476	4.573	ng/ul	100
71) Anthracene	17.12	178	920962	9.717	ng/ul	99
76) Fluoranthene	19.06	202	3882966	37.628	ng/ul	96
79) Pyrene	19.43	202	7019672	90.852	ng/ul	95
82) Benzo(a)anthracene	21.26	228	2824573	37.836	ng/ul	97
84) Chrysene	21.26	228	2829274	40.836	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	2709721	36.686	ng/ul	99
88) Benzo(k)fluoranthene	22.79	252	2709721	38.412	ng/ul	99
90) Benzo(a)pyrene	23.25	252	1663561	23.961	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.63	276	1299617	16.931	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.62	278	436206	6.696	ng/ul	96
93) Benzo(g,h,i)perylene	26.30	276	1312572	20.680	ng/ul#	94

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



#47

Acenaphthylene

Concen: 17.077 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampled :

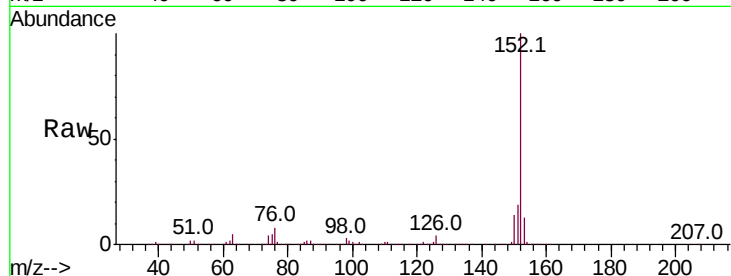
Tot Ion:152 Resp: 1338254

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8

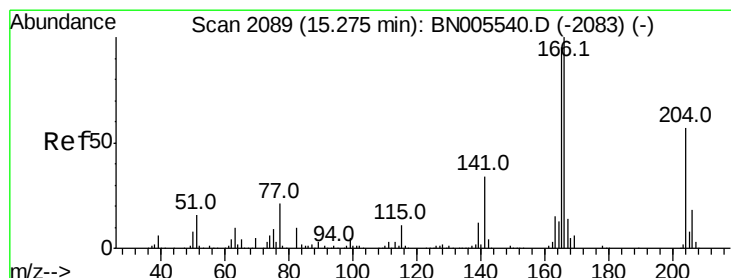
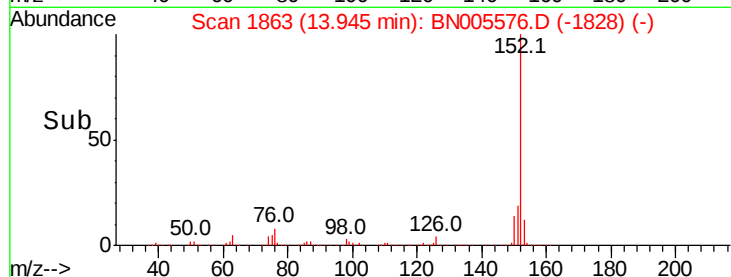
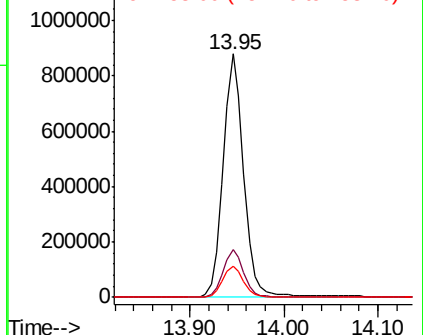
153 12.7 9.8 14.8



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: 1.202 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

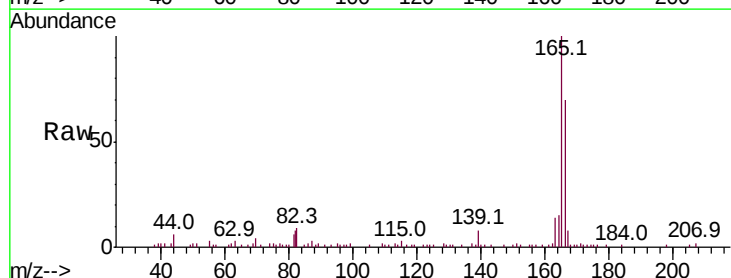
Tgt Ion:166 Resp: 72265

Ion Ratio Lower Upper

166 100

165 143.7 80.0 120.0#

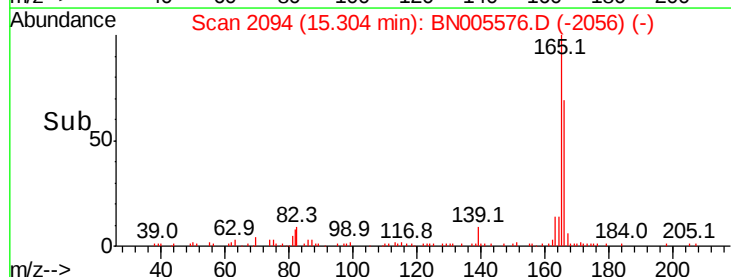
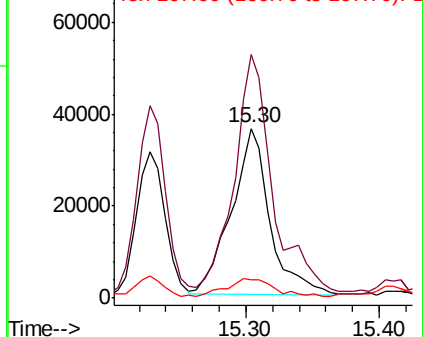
167 11.1 10.7 16.1

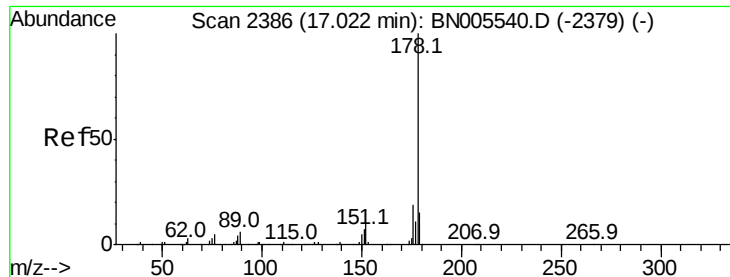


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 4.573 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

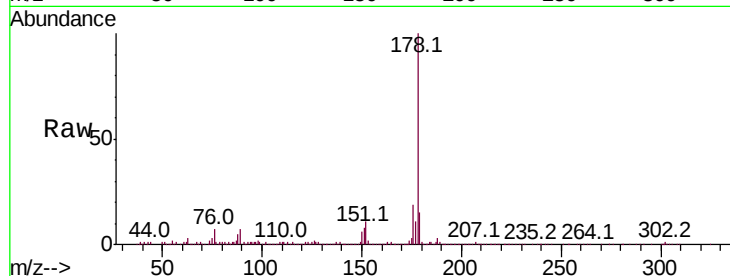
Tot Ion:178 Resp: 425476

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

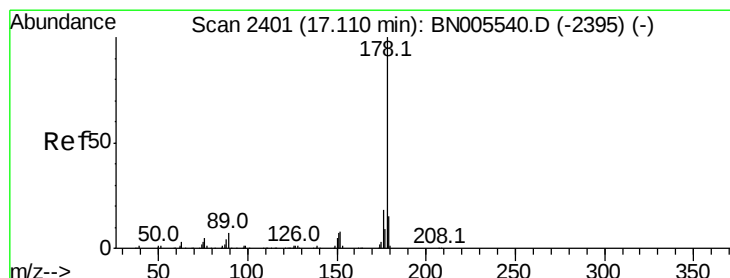
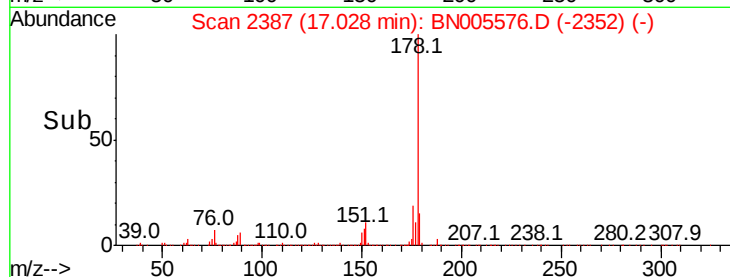
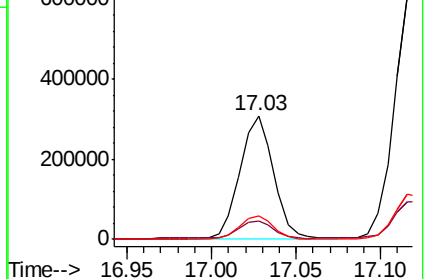
176 18.7 15.1 22.7



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: 9.717 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

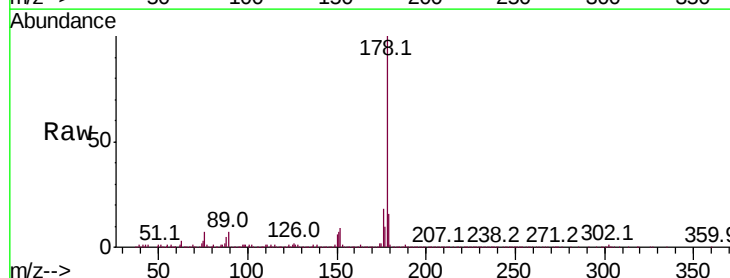
Tgt Ion:178 Resp: 920962

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

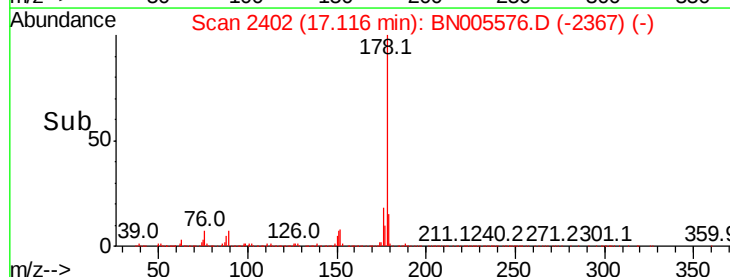
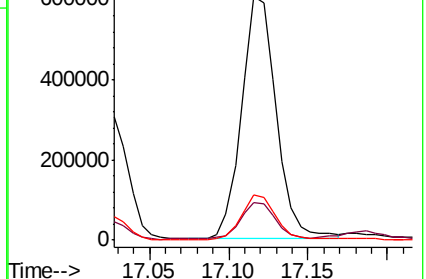
176 18.3 15.1 22.7

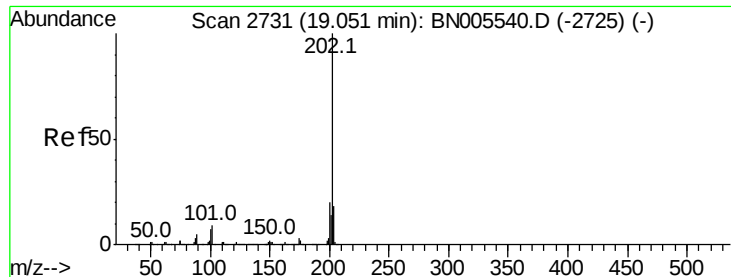


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

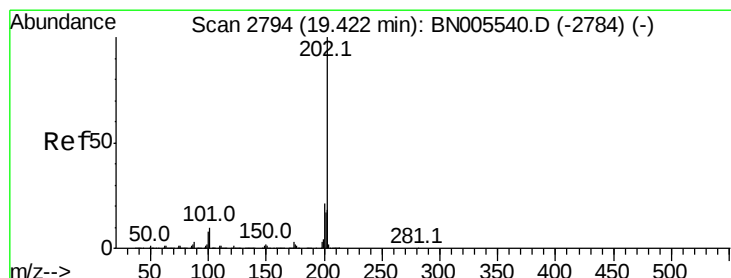
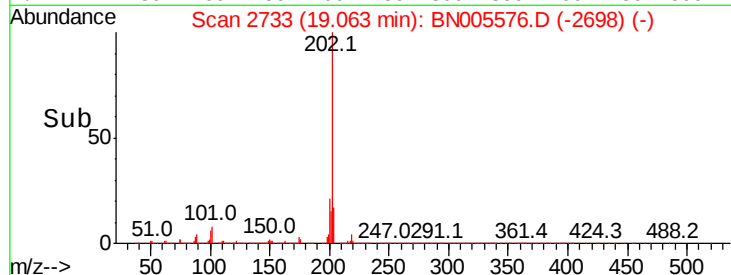
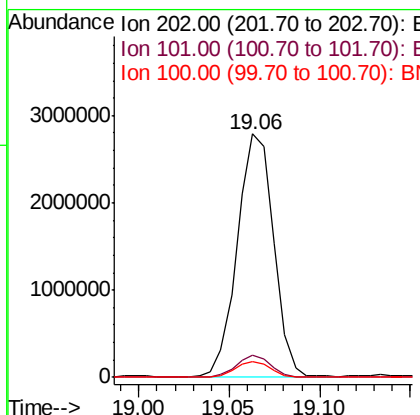
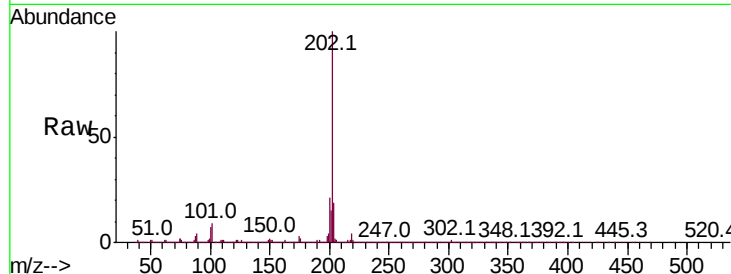




#76
 Fluoranthene
 Concen: 37.628 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005576.D
 Acq: 09 May 2019 21:09

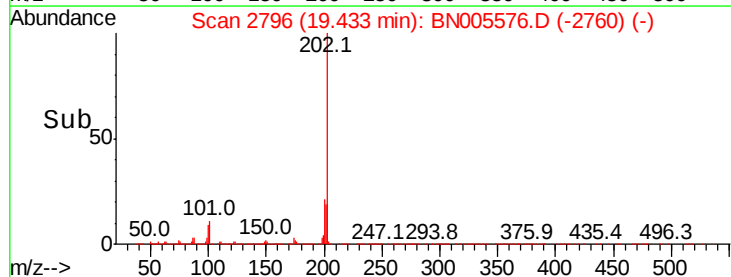
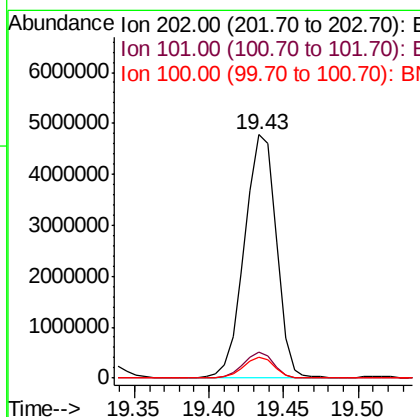
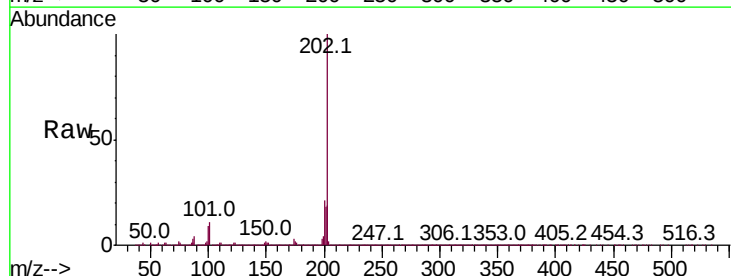
Instrument :
 BNA_N
 ClientSampleId :

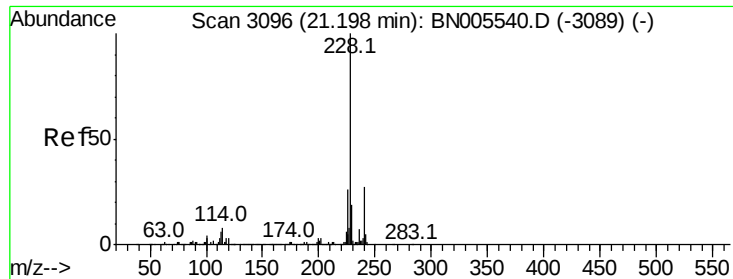
Tot Ion:202 Resp: 3882966
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.6 12.8
 100 6.6 6.3 9.5



#79
 Pyrene
 Concen: 90.852 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BN005576.D
 Acq: 09 May 2019 21:09

Tgt Ion:202 Resp: 7019672
 Ion Ratio Lower Upper
 202 100
 101 10.7 10.3 15.5
 100 8.7 7.9 11.9





#82

Benzo(a)anthracene

Concen: 37.836 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.06 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampled :

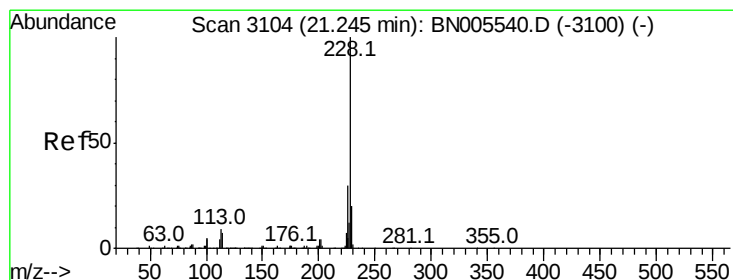
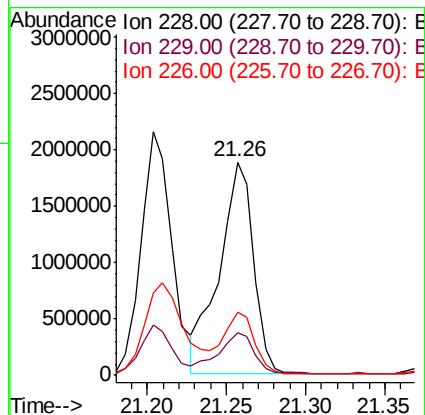
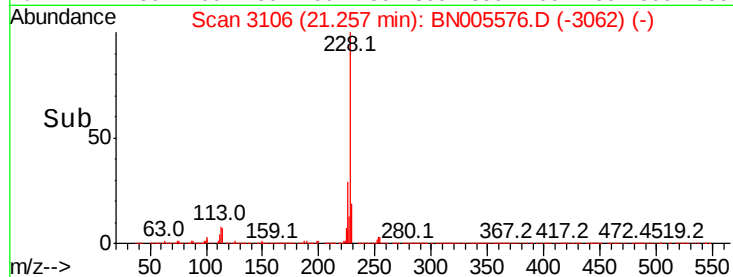
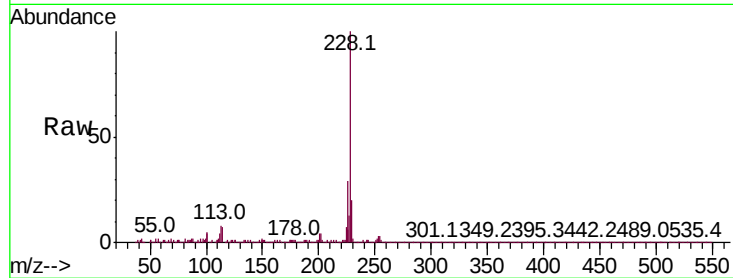
Tot Ion:228 Resp: 2824573

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.6

226 29.5 21.4 32.2



#84

Chrysene

Concen: 40.836 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

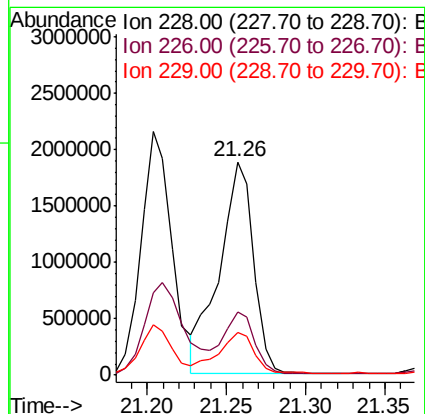
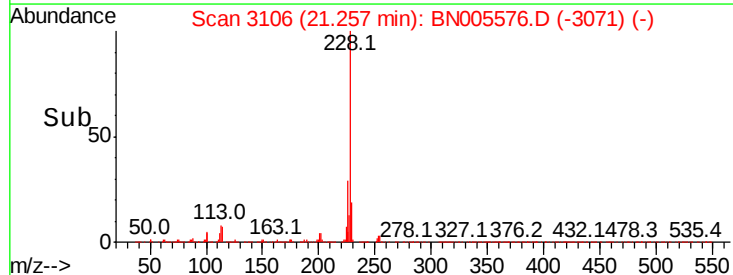
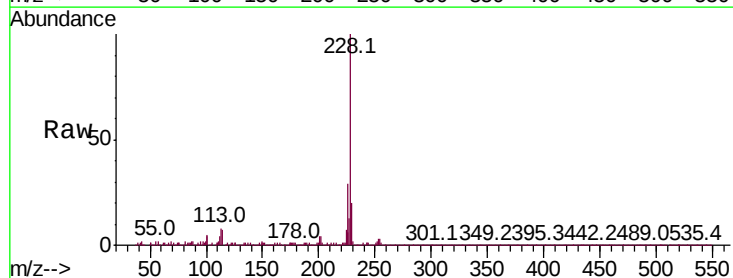
Tgt Ion:228 Resp: 2829274

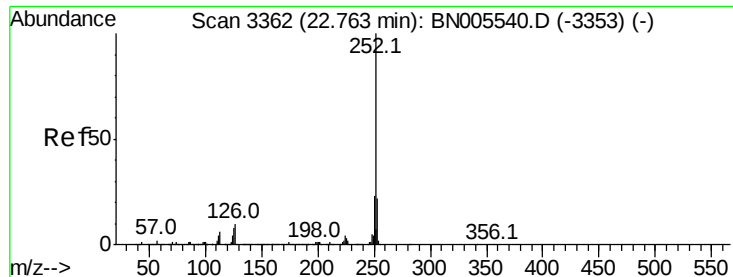
Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

229 20.2 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 36.686 ng/u1

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

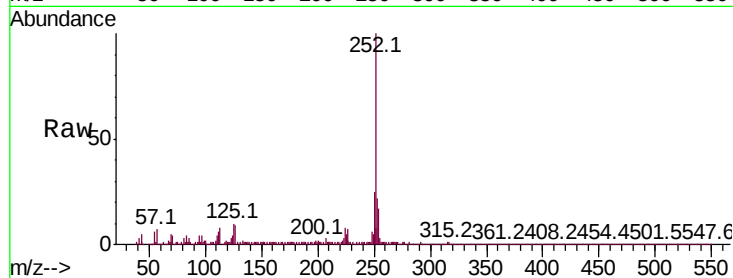
Tot Ion:252 Resp: 2709721

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.9 8.4 12.6

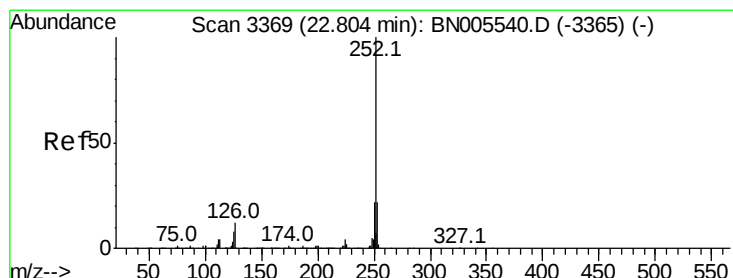
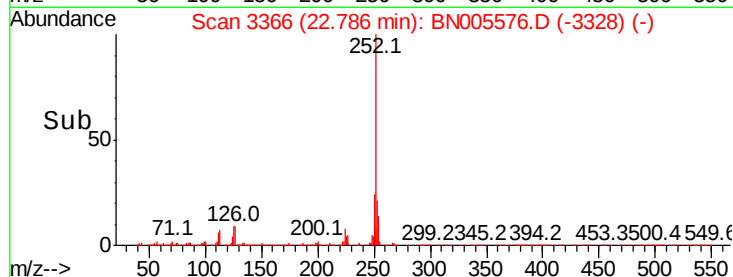
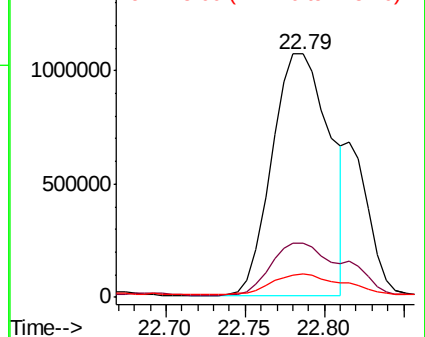


Abundance

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: 38.412 ng/u1

RT: 22.79 min Scan# 3366

Delta R.T. -0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

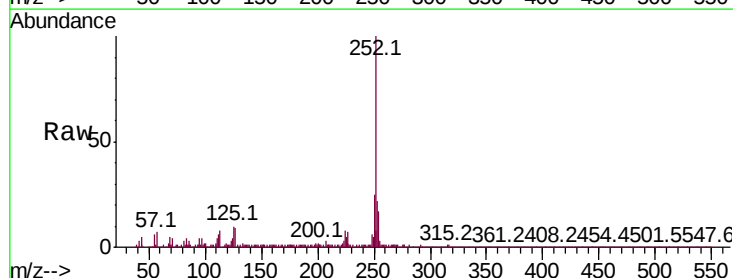
Tgt Ion:252 Resp: 2709721

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.9 7.5 11.3

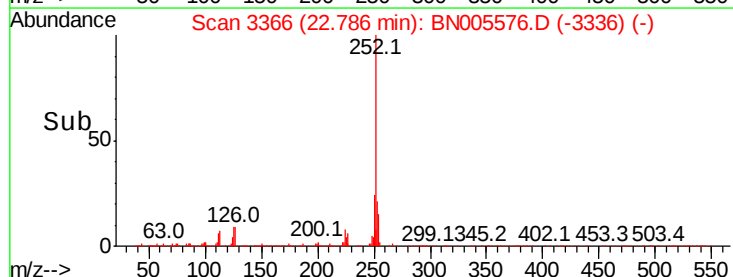
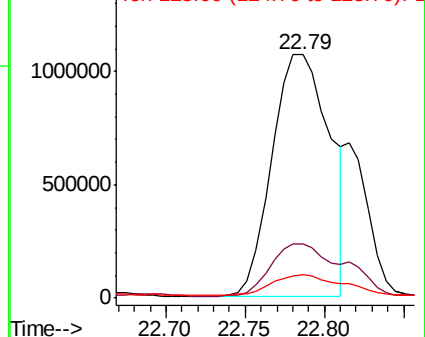


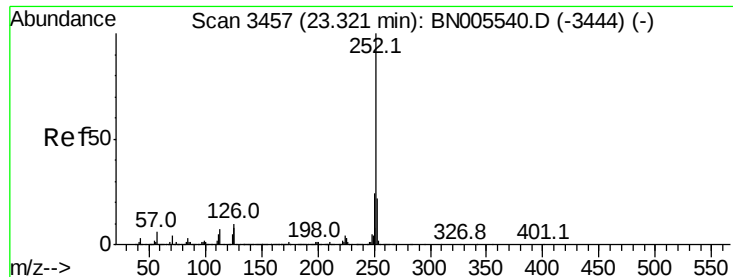
Abundance

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: 23.961 ng/ul

RT: 23.25 min Scan# 3444

Delta R.T. -0.08 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

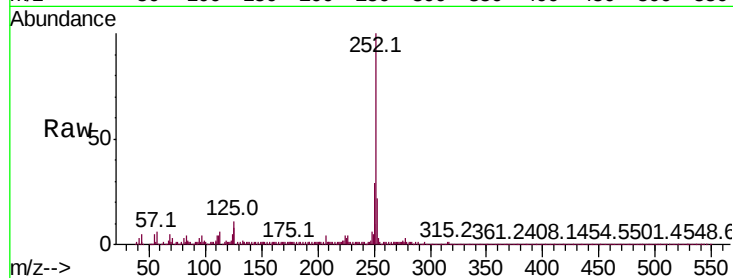
Tot Ion:252 Resp: 1663561

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

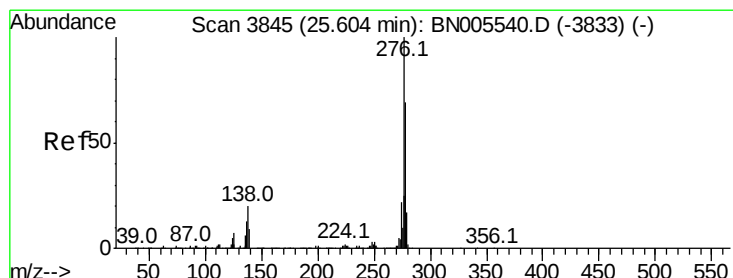
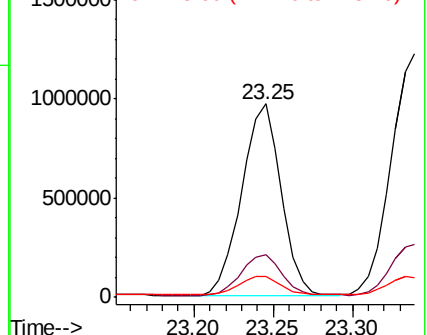
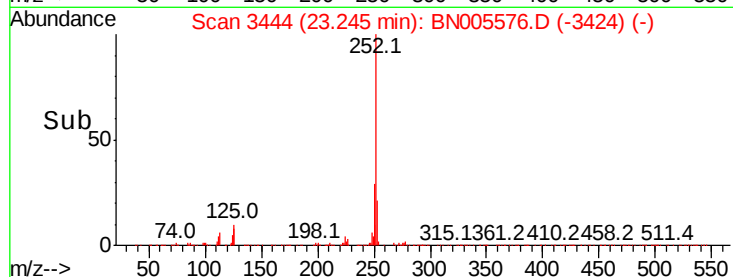
125 10.9 8.6 13.0



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: 16.931 ng/ul

RT: 25.63 min Scan# 3849

Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

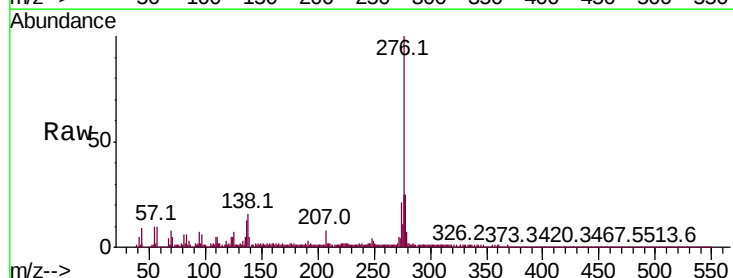
Tgt Ion:276 Resp: 1299617

Ion Ratio Lower Upper

276 100

138 15.5 17.9 26.9#

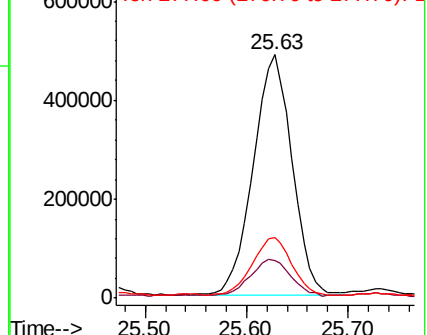
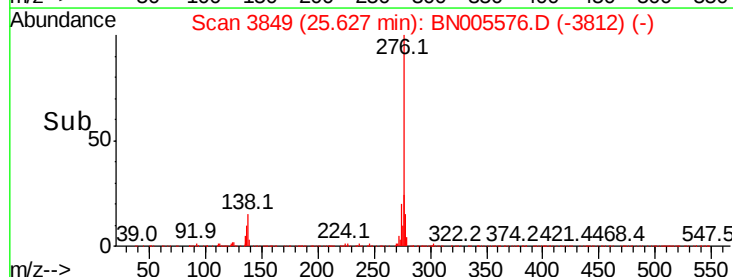
277 24.7 19.7 29.5

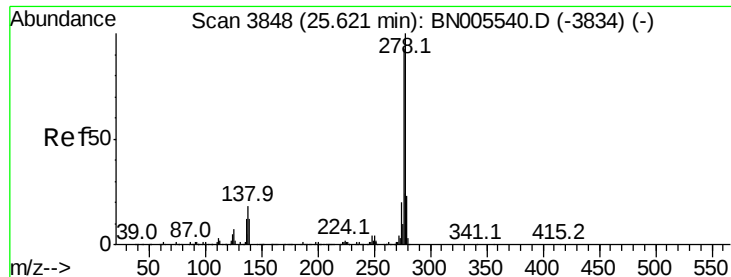


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 6.696 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.00 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

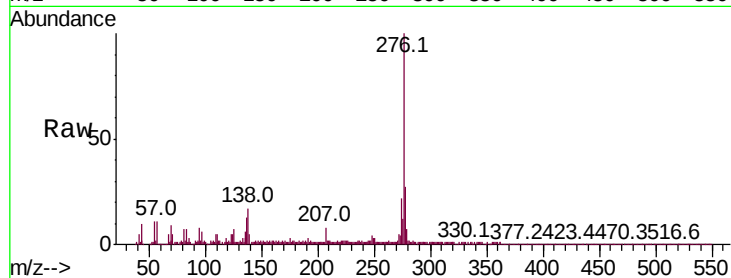
Instrument :

BNA_N

ClientSampleId :

Tot Ion:278 Resp: 436206

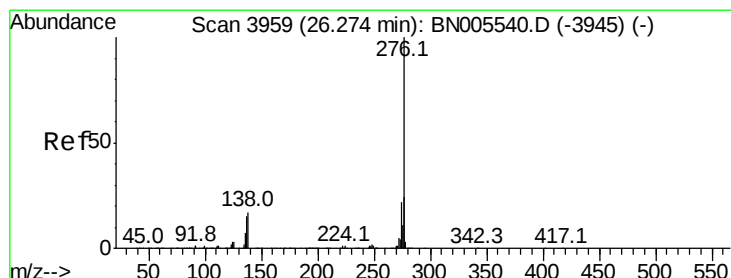
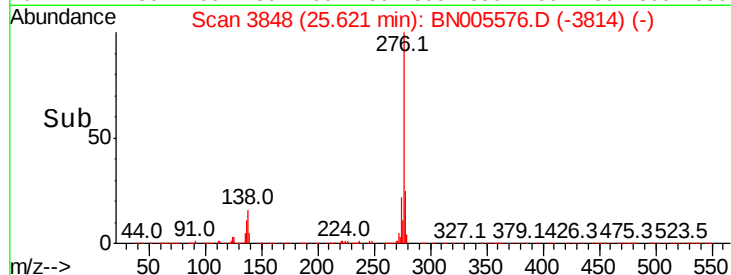
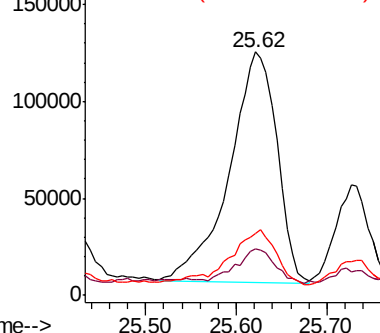
Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.1	19.7
279	25.6	19.4	29.0



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: 20.680 ng/ul

RT: 26.30 min Scan# 3963

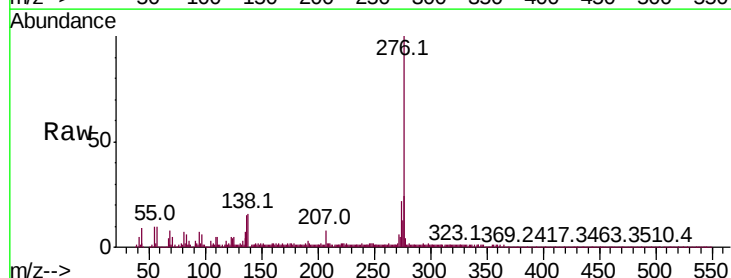
Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Tgt Ion:276 Resp: 1312572

Ion	Ratio	Lower	Upper
276	100		
138	16.5	16.7	25.1#
277	23.9	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

