

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\  
 Data File : BN005382.D  
 Acq On : 30 Apr 2019 21:23  
 Operator : JU/SJ  
 Sample : K2481-07ME  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHW2ME

Quant Time: May 01 00:44:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	336064	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1493935	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	974197	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2277281	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	2219497	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	2197360	20.00	ng/ul	-0.04

## System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	34979	5.03	ng/uL	0.00
5) Phenol-d5	6.78	99	739112	28.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	443502	26.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	601715	29.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	592640	28.72	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	325635	35.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	373319	40.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	655297	30.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	779560	35.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2151369	30.42	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2615004	30.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	353614	31.67	ng/ul	0.00
57) Fluorene-d10	15.23	176	1866414	31.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	352800	34.45	ng/ul	0.01
70) Anthracene-d10	17.09	188	2878182	30.15	ng/ul	0.00
78) Pyrene-d10	19.39	212	3428180	30.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	3062961	31.90	ng/ul	-0.04

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.40	128	1203966	17.336	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	11426403	224.697	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	1329794	18.320	ng/ul	96
44) Dimethylphthalate	13.69	163	458795	6.511	ng/ul	99
47) Acenaphthylene	13.95	152	7309306	85.630	ng/ul#	96
49) Acenaphthene	14.29	153	800173	13.731	ng/ul	99
53) Dibenzofuran	14.63	168	997977	11.895	ng/ul	95
54) 2,4-Dinitrotoluene	14.60	165	68457	3.903	ng/ul#	42
58) Fluorene	15.29	166	5217946	79.701	ng/ul	97
60) 4-Nitroaniline	15.29	138	59259	4.202	ng/ul#	16
64) N-Nitrosodiphenylamine	15.50	169	113610	1.823	ng/ul#	84
69) Phenanthrene	17.12	178	2630382	23.717	ng/ul	99
71) Anthracene	17.12	178	2630382	23.282	ng/ul	99
76) Fluoranthene	19.06	202	7355614	59.793	ng/ul	98
79) Pyrene	19.43	202	11133843	77.910	ng/ul	98
82) Benzo(a)anthracene	21.25	228	4057910	29.389	ng/ul	96
84) Chrysene	21.25	228	4058759	31.673	ng/ul	99
87) Benzo(b)fluoranthene	22.75	252	2139862	17.324	ng/ul	99
88) Benzo(k)fluoranthene	22.75	252	2139862	18.139	ng/ul	100
90) Benzo(a)pyrene	23.30	252	1332362	11.476	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.57	276	654165	5.096	ng/ul	95
92) Dibenzo(a,h)anthracene	25.58	278	255889	2.349	ng/ul	96
93) Benzo(g,h,i)perylene	26.23	276	449408	4.234	ng/ul	95

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 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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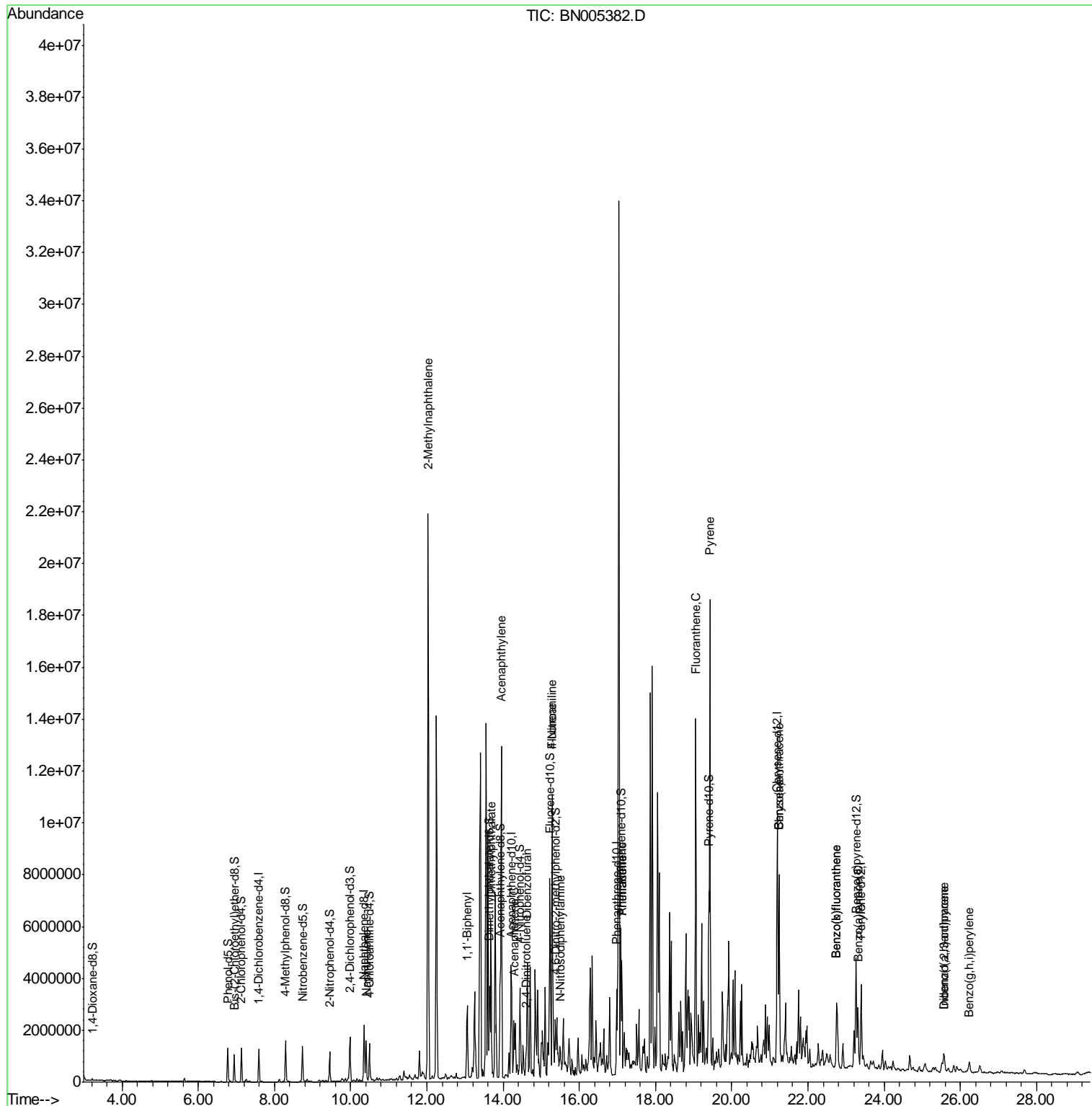
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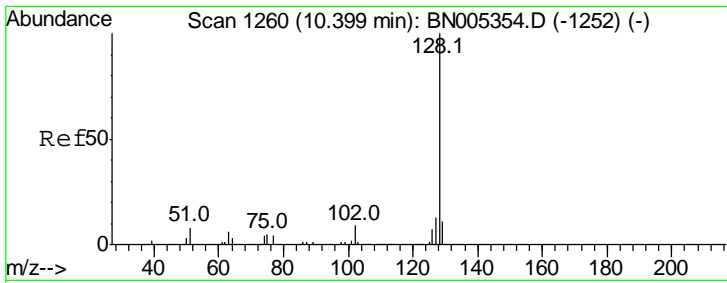
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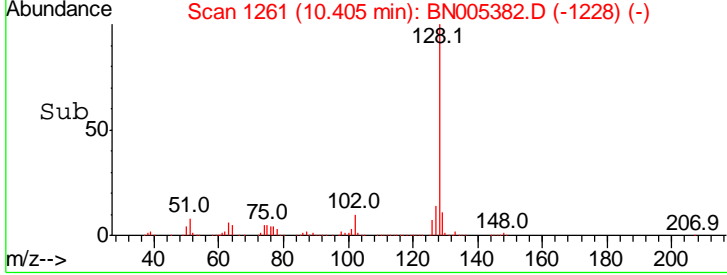
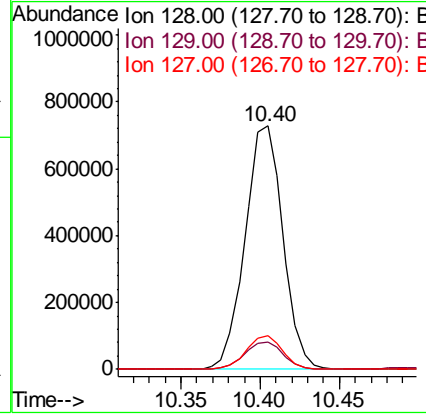
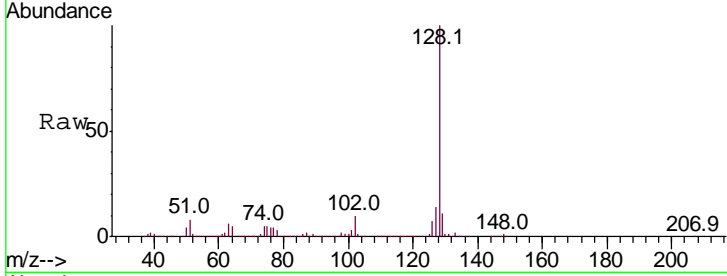


#28  
 Naphthalene  
 Concen: 17.336 ng/ul  
 RT: 10.40 min Scan# 1261  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 GAHW2ME

Tgt Ion:128 Resp: 1203966

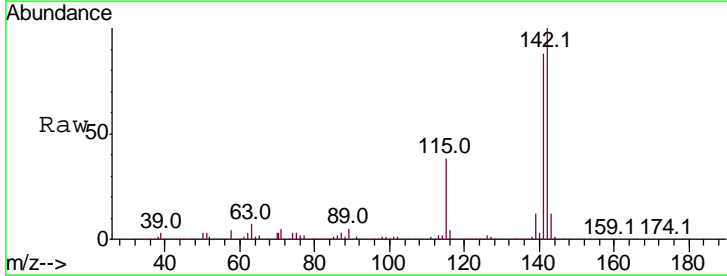
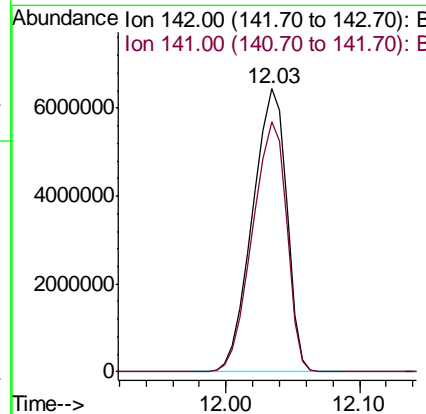
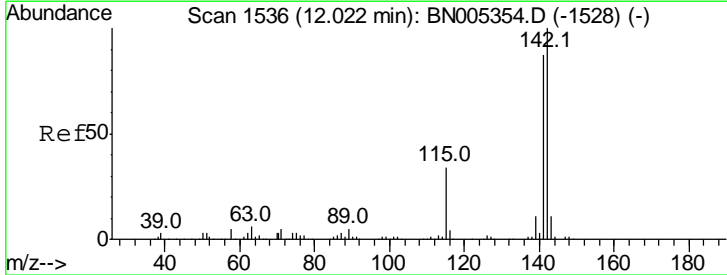
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.7	10.7	16.1

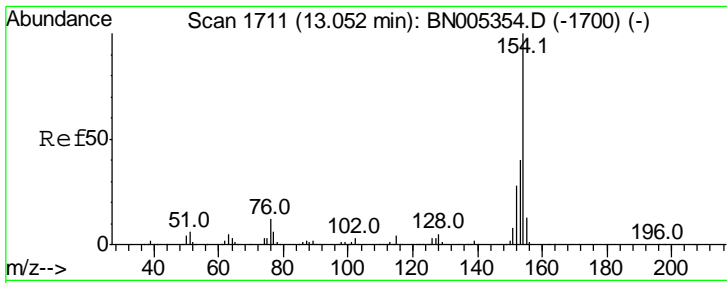


#34  
 2-Methylnaphthalene  
 Concen: 224.697 ng/ul  
 RT: 12.03 min Scan# 1538  
 Delta R.T. 0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion:142 Resp:11426403

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.0	108.0

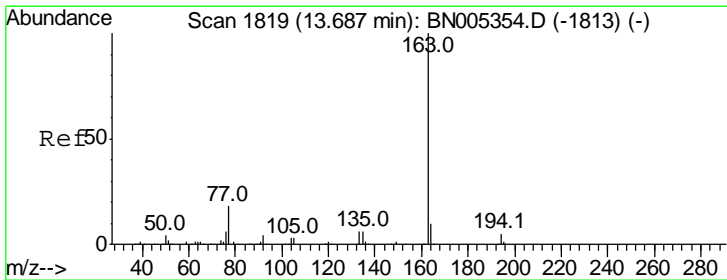
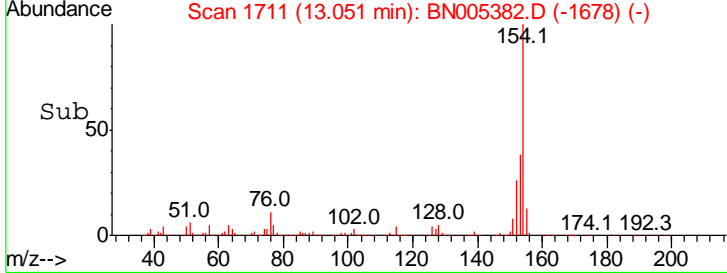
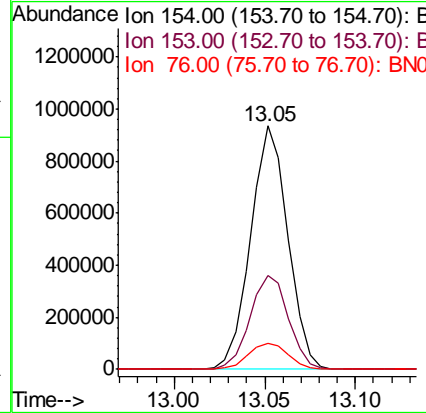
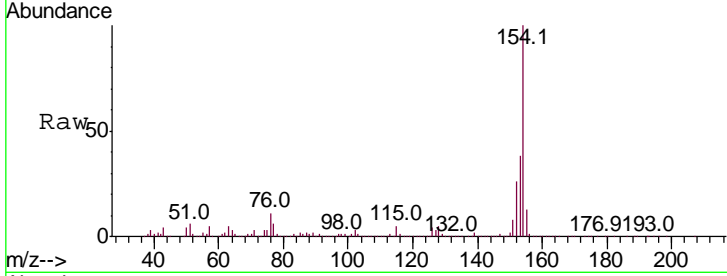




#40  
 1,1'-Biphenyl  
 Concen: 18.320 ng/ul  
 RT: 13.05 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

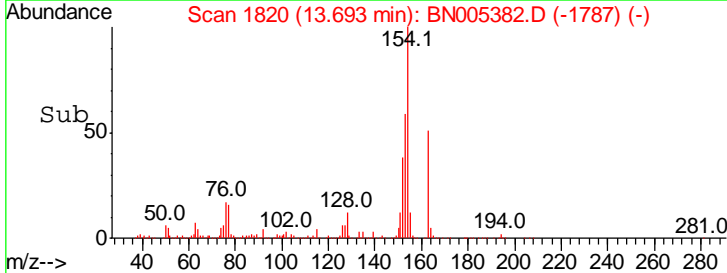
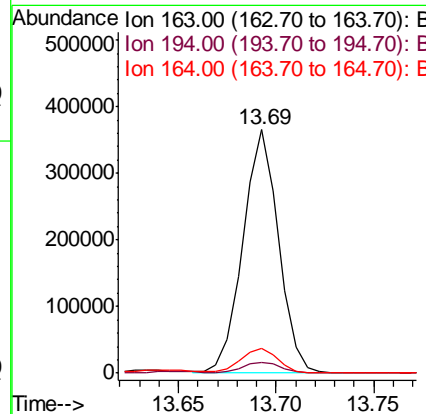
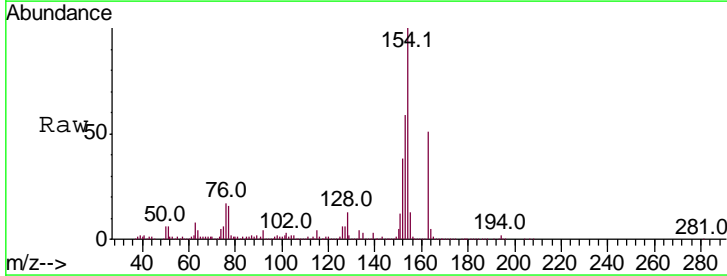
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

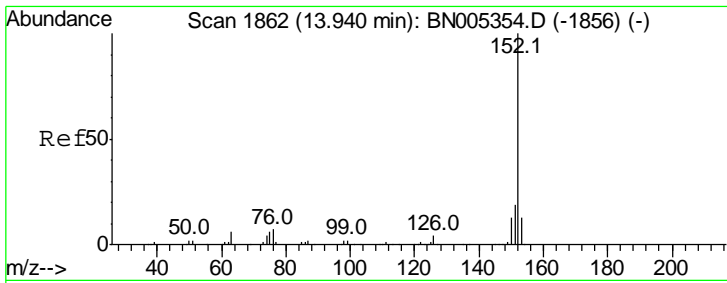
Tgt Ion	Resp	Lower	Upper
154	100		
153	38.4	32.6	49.0
76	10.7	10.4	15.6



#44  
 Dimethylphthalate  
 Concen: 6.511 ng/ul  
 RT: 13.69 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.3	8.1	12.1

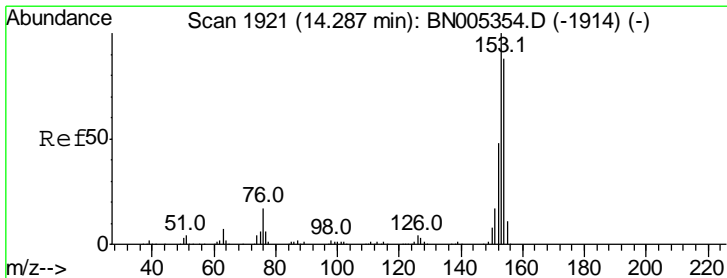
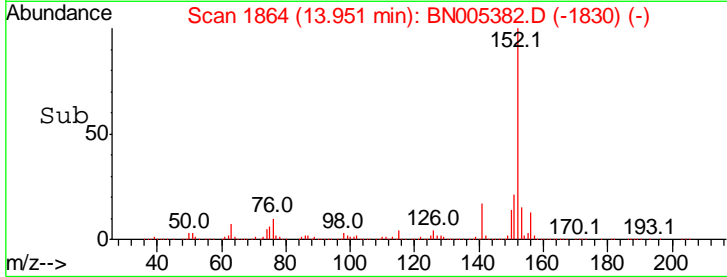
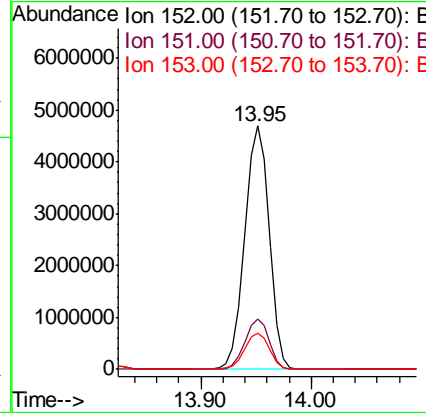
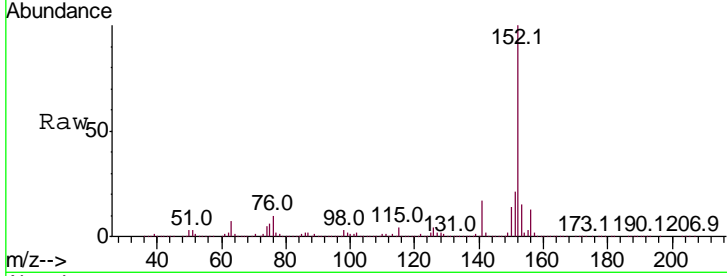




#47  
 Acenaphthylene  
 Concen: 85.630 ng/ul  
 RT: 13.95 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

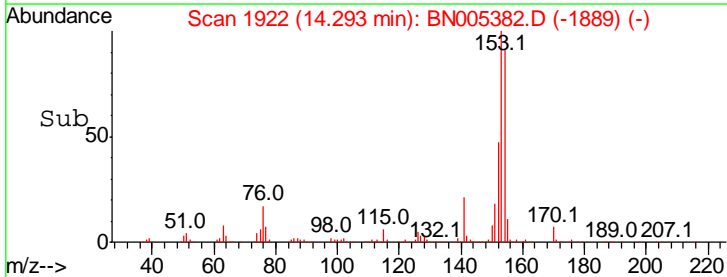
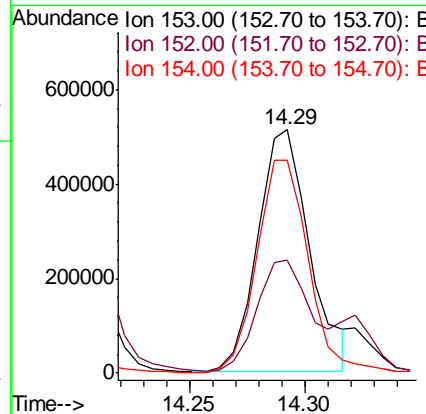
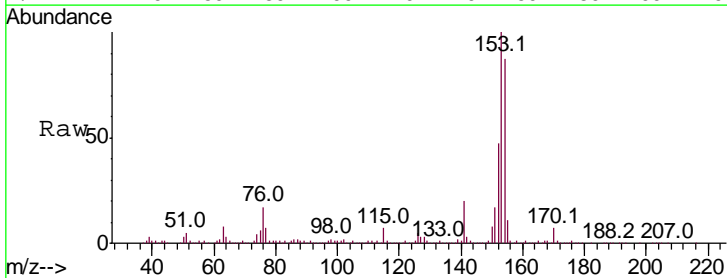
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

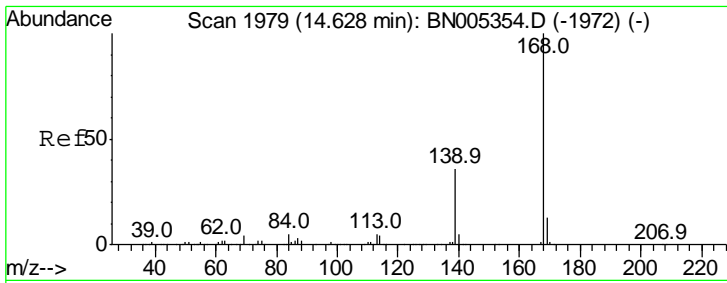
Tgt Ion	Resp	Lower	Upper
152	100		
151	20.8	15.8	23.8
153	15.0	9.8	14.8#



#49  
 Acenaphthene  
 Concen: 13.731 ng/ul  
 RT: 14.29 min Scan# 1922  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
153	100		
152	46.5	37.4	56.0
154	87.4	71.2	106.8

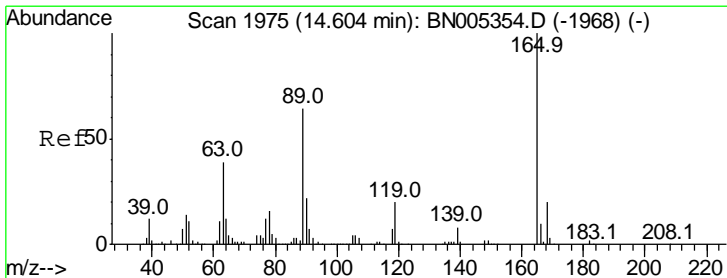
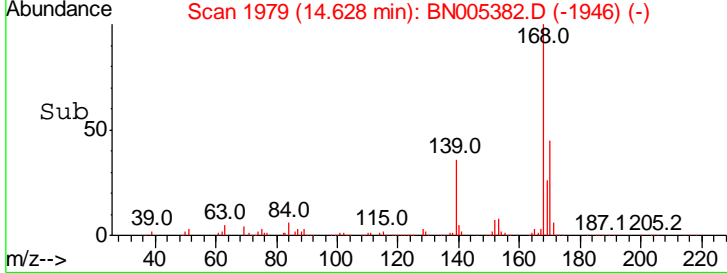
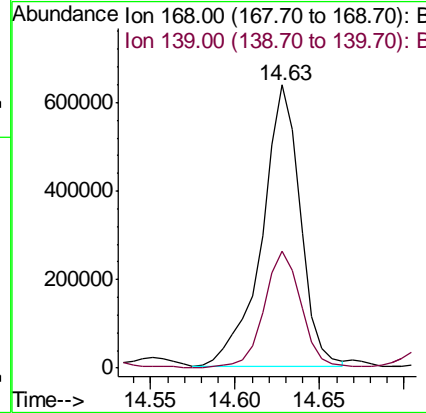
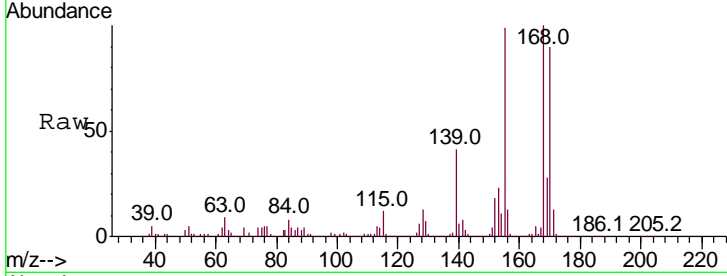




#53  
 Dibenzofuran  
 Concen: 11.895 ng/ul  
 RT: 14.63 min Scan# 1979  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

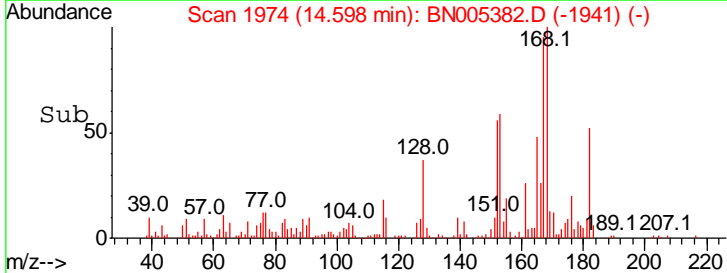
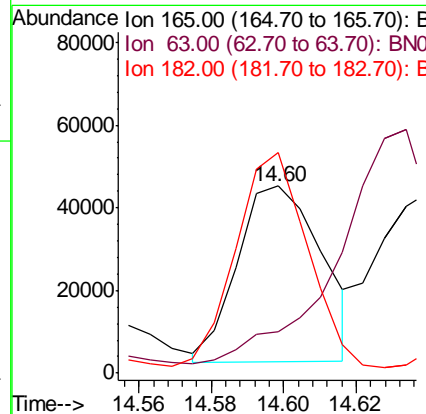
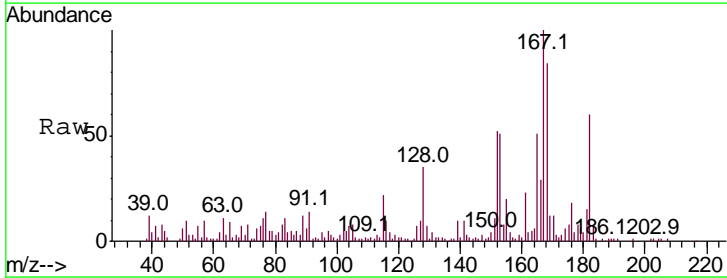
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

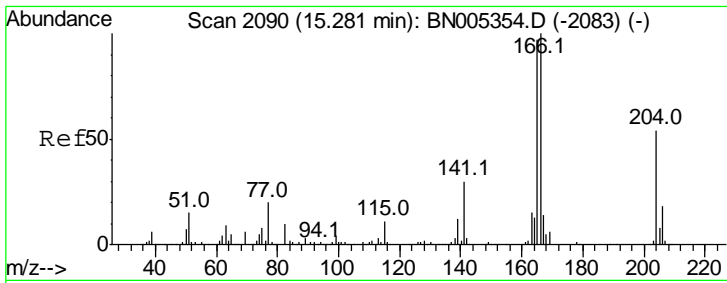
Tgt Ion	Resp	Lower	Upper
168	100		
139	41.5	30.9	46.3



#54  
 2,4-Dinitrotoluene  
 Concen: 3.903 ng/ul  
 RT: 14.60 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
165	100		
63	22.4	38.9	58.3#
182	118.0	2.6	3.8#



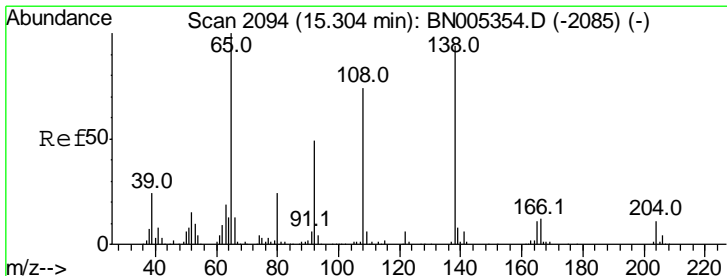
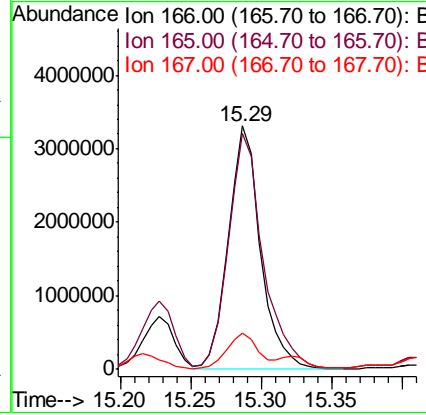
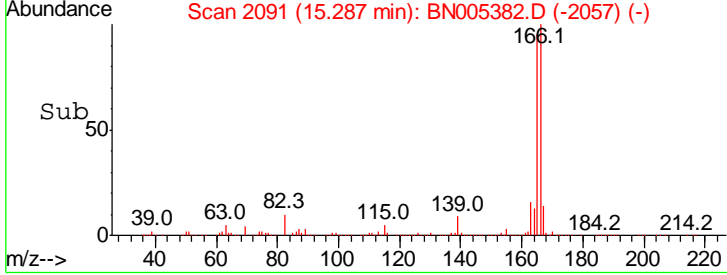
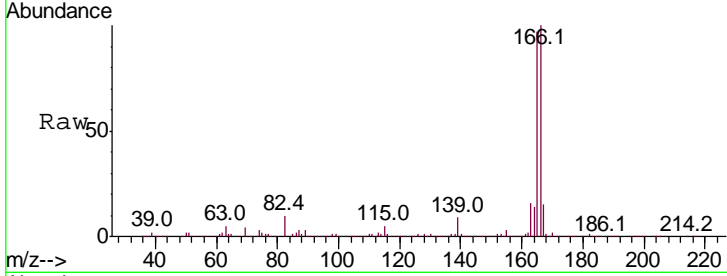


#58  
 Fluorene  
 Concen: 79.701 ng/ul  
 RT: 15.29 min Scan# 2091  
 Delta R.T. 0.00 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

Tgt Ion:166 Resp: 5217946

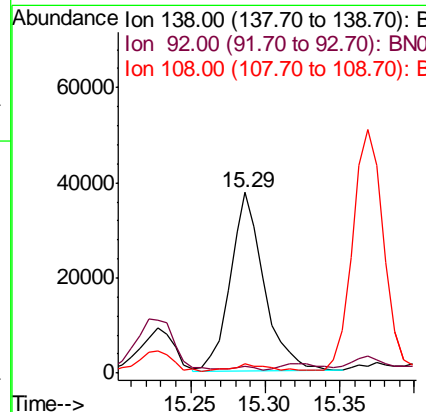
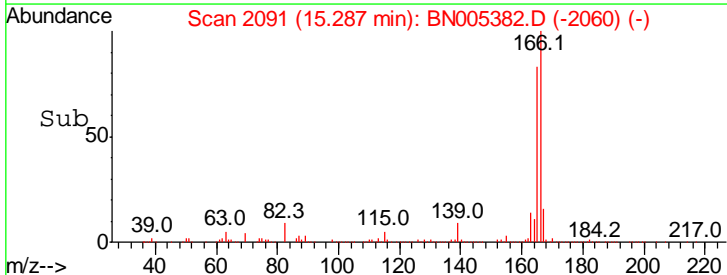
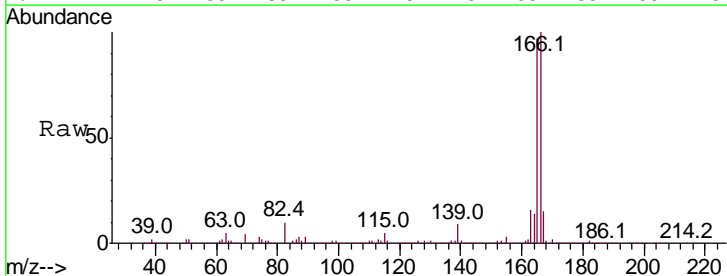
Ion	Ratio	Lower	Upper
166	100		
165	97.1	80.0	120.0
167	15.1	10.7	16.1



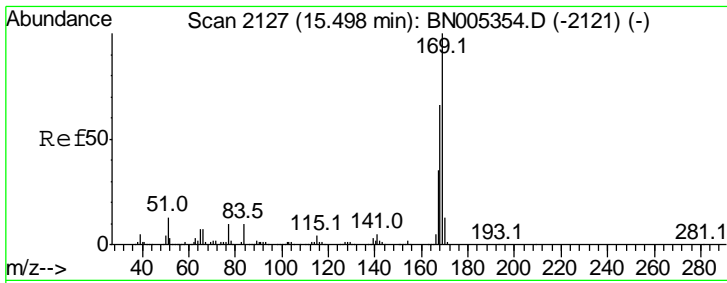
#60  
 4-Nitroaniline  
 Concen: 4.202 ng/ul  
 RT: 15.29 min Scan# 2091  
 Delta R.T. -0.02 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion:138 Resp: 59259

Ion	Ratio	Lower	Upper
138	100		
92	3.5	45.3	67.9#
108	4.9	73.2	109.8#



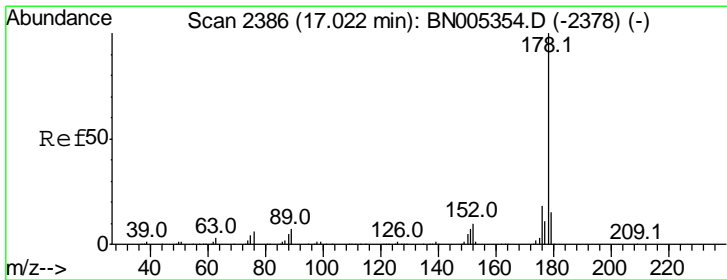
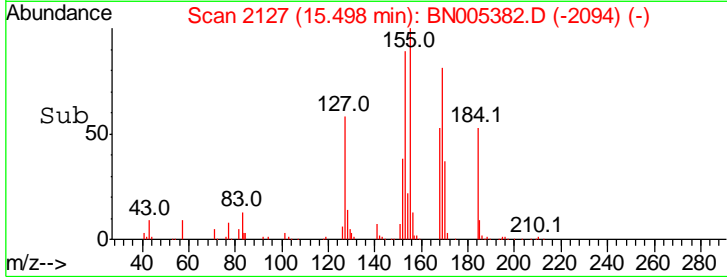
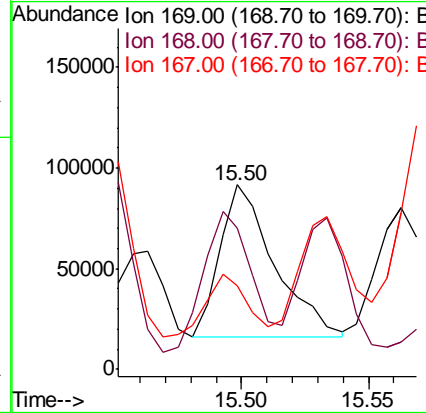
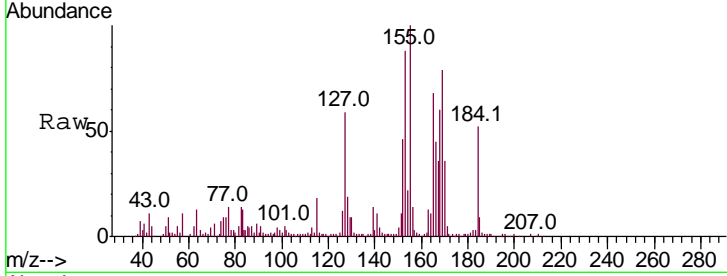




#64  
 N-Nitrosodiphenylamine  
 Concen: 1.823 ng/ul  
 RT: 15.50 min Scan# 2127  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

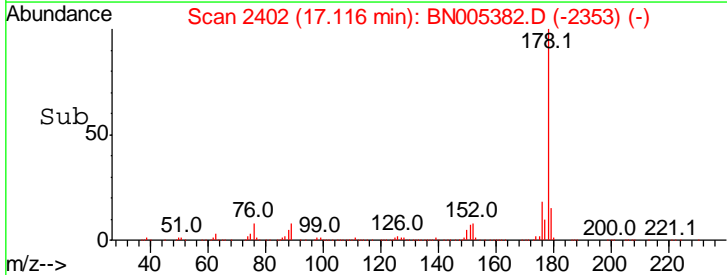
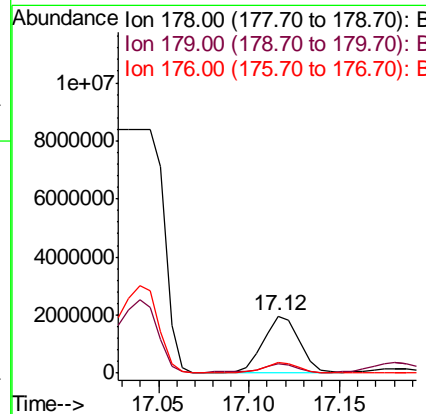
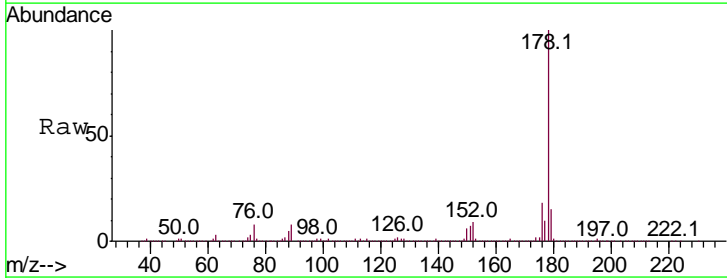
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

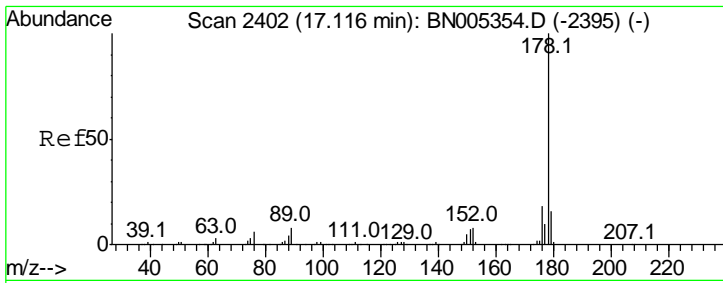
Tgt Ion	Resp	Lower	Upper
169	100		
168	76.6	52.2	78.2
167	45.5	27.7	41.5#



#69  
 Phenanthrene  
 Concen: 23.717 ng/ul  
 RT: 17.12 min Scan# 2402  
 Delta R.T. 0.09 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	18.2	15.1	22.7



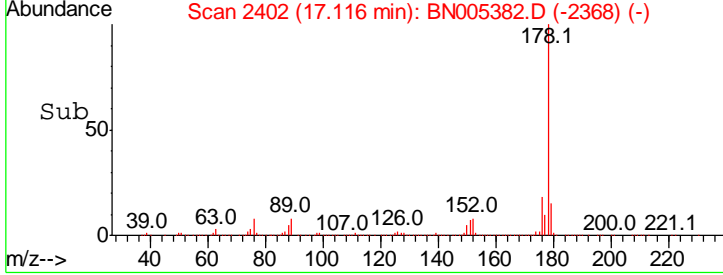
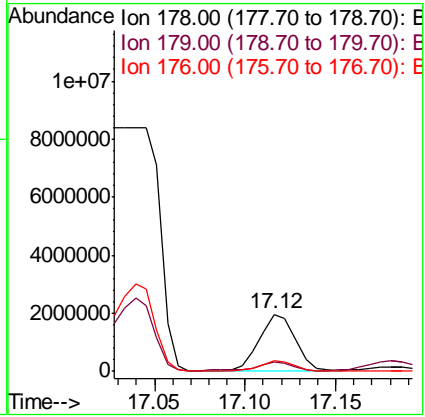
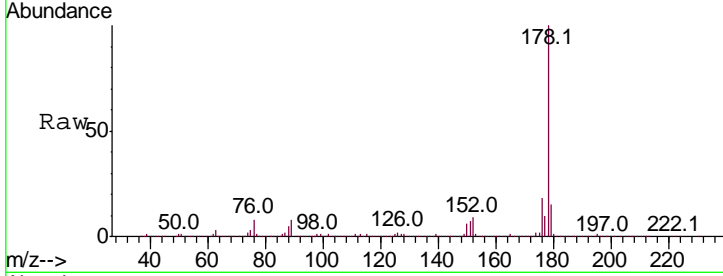


#71  
 Anthracene  
 Concen: 23.282 ng/ul  
 RT: 17.12 min Scan# 2402  
 Delta R.T. 0.00 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Instrument :  
 BNA\_N  
 ClientSampleID :  
 GAHW2ME

Tgt Ion:178 Resp: 2630382

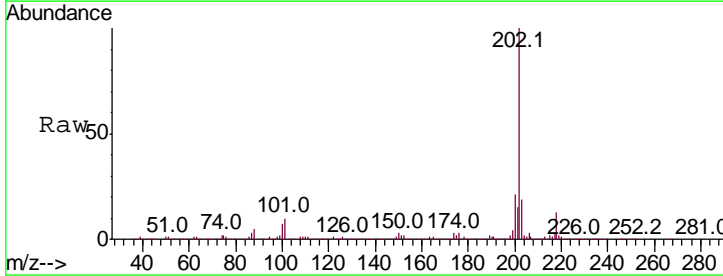
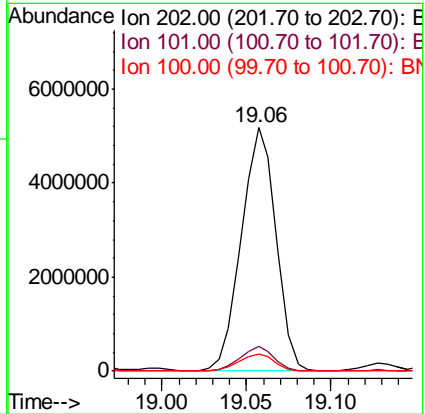
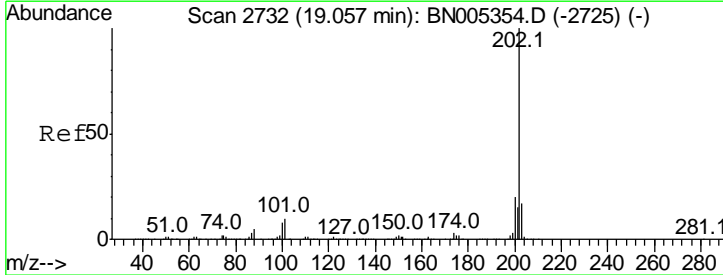
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.2	15.1	22.7

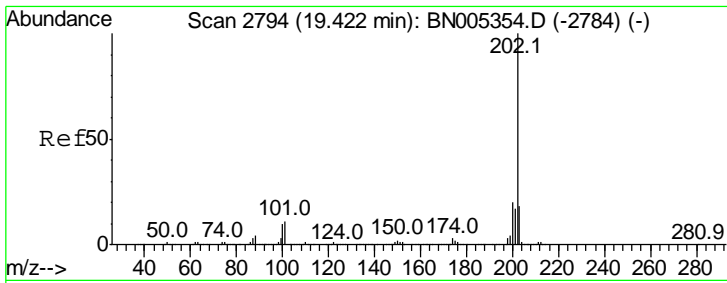


#76  
 Fluoranthene  
 Concen: 59.793 ng/ul  
 RT: 19.06 min Scan# 2732  
 Delta R.T. -0.01 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion:202 Resp: 7355614

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.6	12.8
100	7.3	6.3	9.5



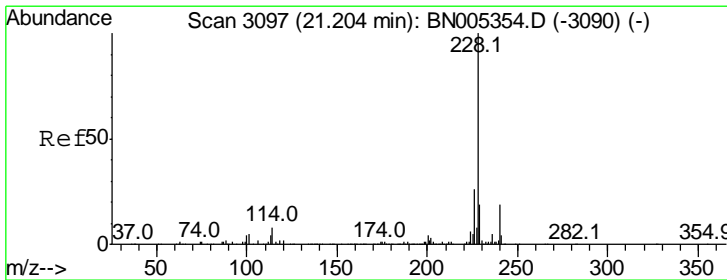
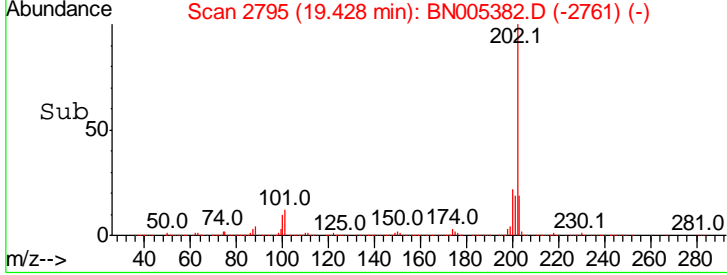
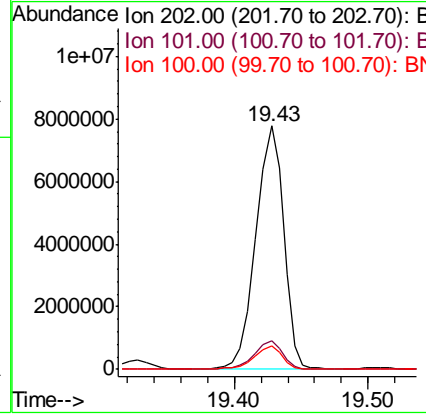
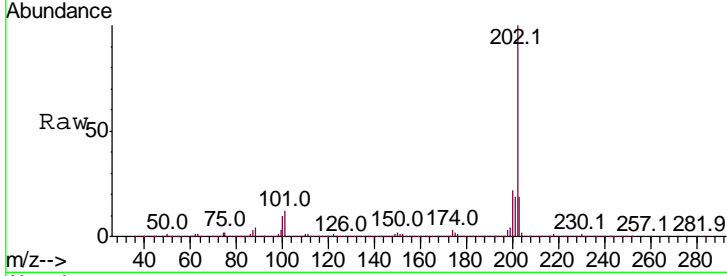


#79  
 Pyrene  
 Concen: 77.910 ng/ul  
 RT: 19.43 min Scan# 2795  
 Delta R.T. 0.00 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

Tgt Ion: 202 Resp: 11133843

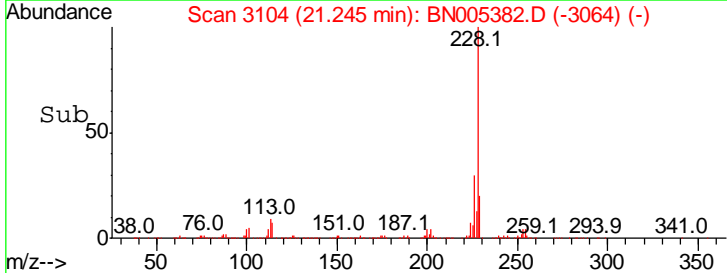
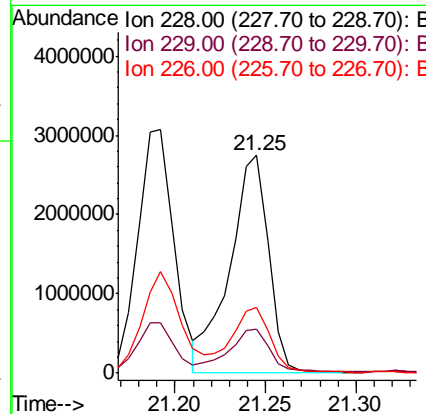
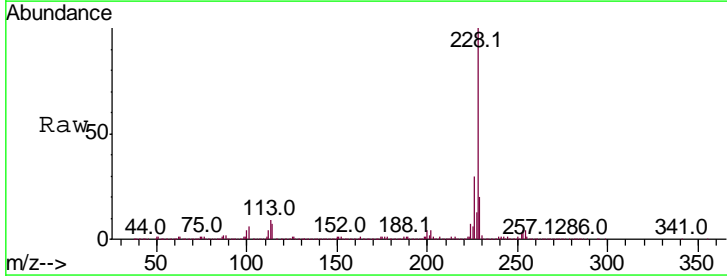
Ion	Ratio	Lower	Upper
202	100		
101	11.8	10.3	15.5
100	9.9	7.9	11.9

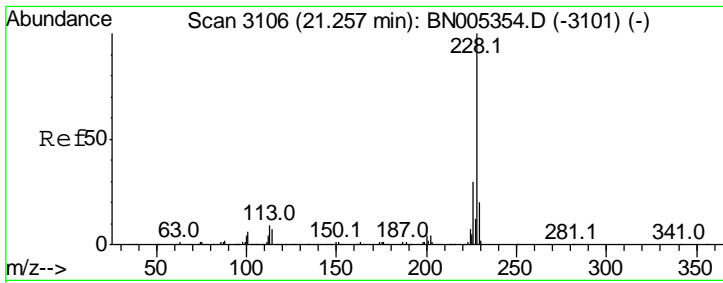


#82  
 Benzo(a)anthracene  
 Concen: 29.389 ng/ul  
 RT: 21.25 min Scan# 3104  
 Delta R.T. 0.04 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion: 228 Resp: 4057910

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	30.3	21.4	32.2

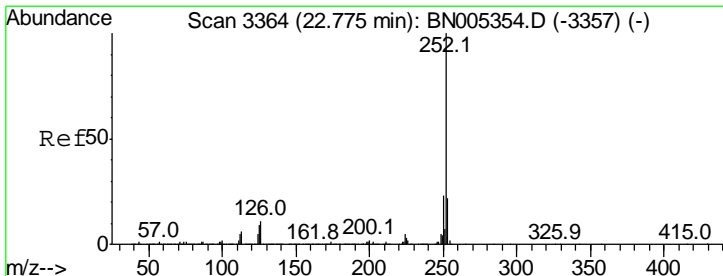
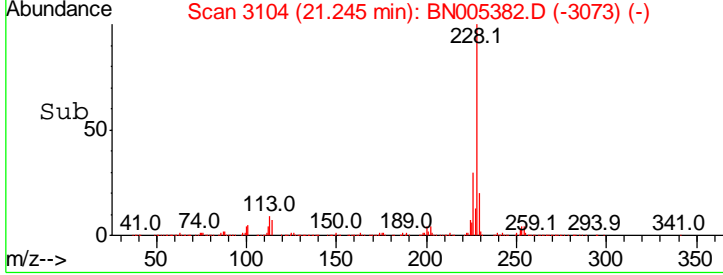
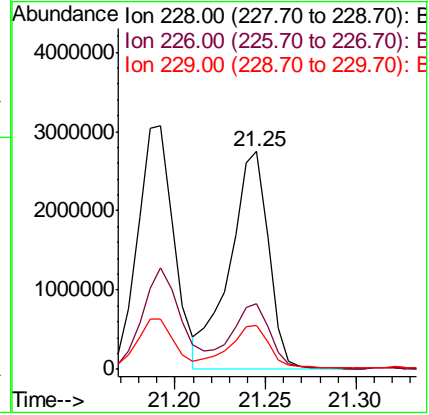
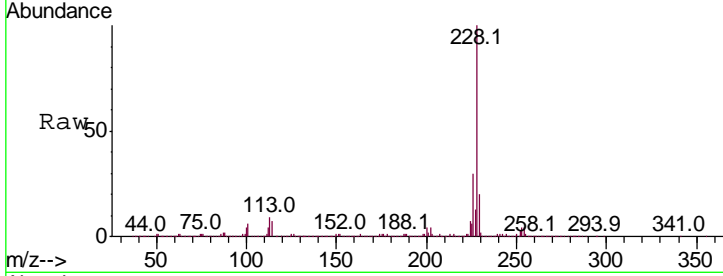




#84  
 Chrysene  
 Concen: 31.673 ng/ul  
 RT: 21.25 min Scan# 3104  
 Delta R.T. -0.02 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

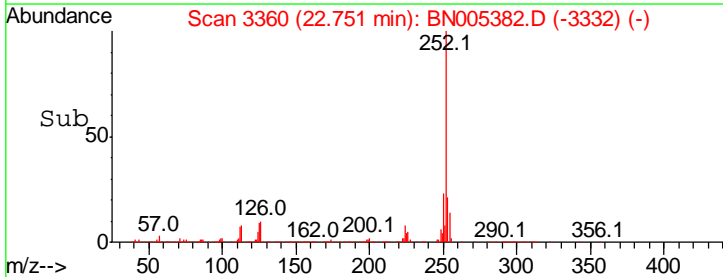
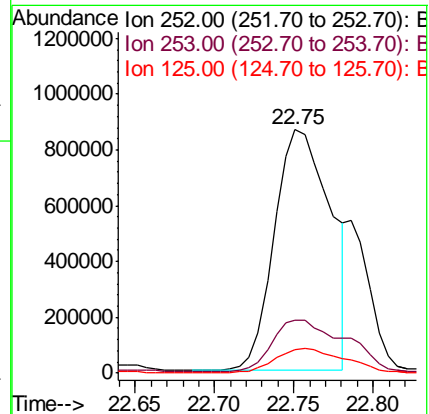
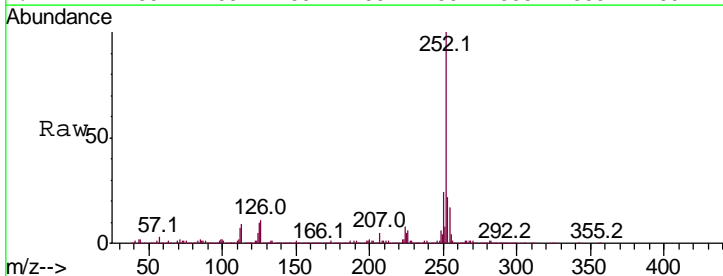
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

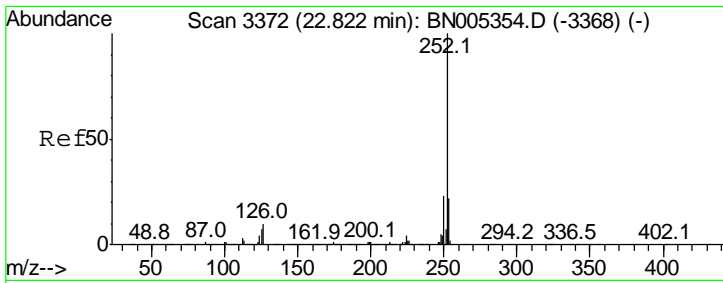
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	20.3	15.4	23.0



#87  
 Benzo(b)fluoranthene  
 Concen: 17.324 ng/ul  
 RT: 22.75 min Scan# 3360  
 Delta R.T. -0.03 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.5	8.4	12.6



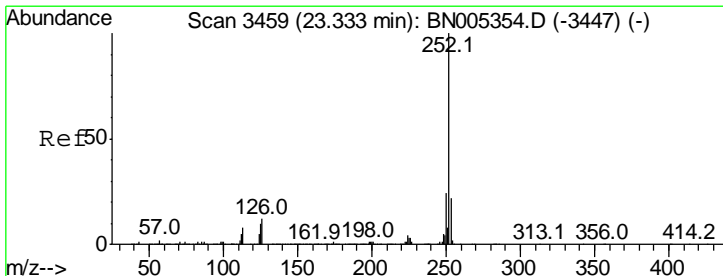
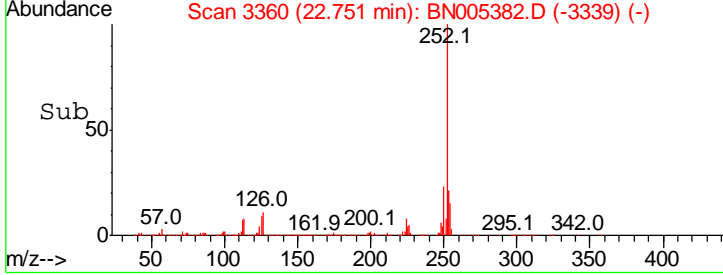
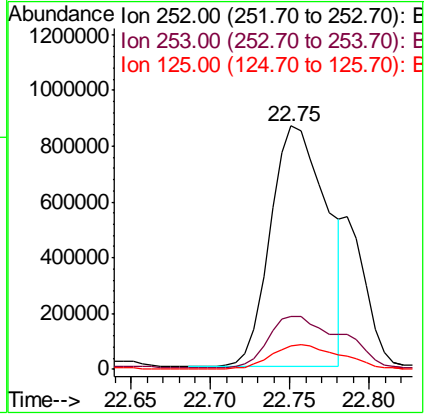
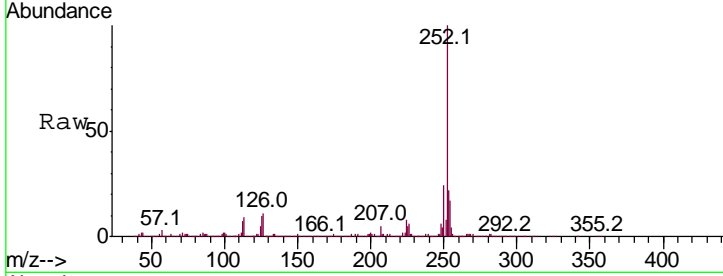


#88  
 Benzo(k)fluoranthene  
 Concen: 18.139 ng/ul  
 RT: 22.75 min Scan# 3360  
 Delta R.T. -0.08 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Instrument :  
 BNA\_N  
 ClientSampleID :  
 GAHW2ME

Tgt Ion: 252 Resp: 2139862

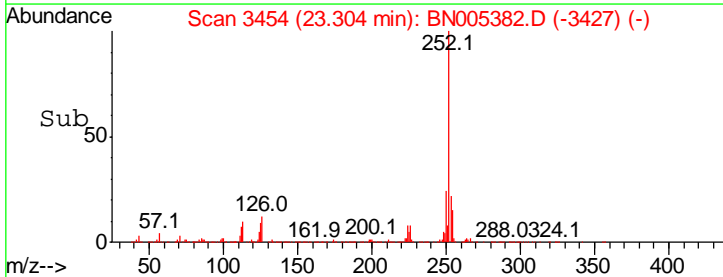
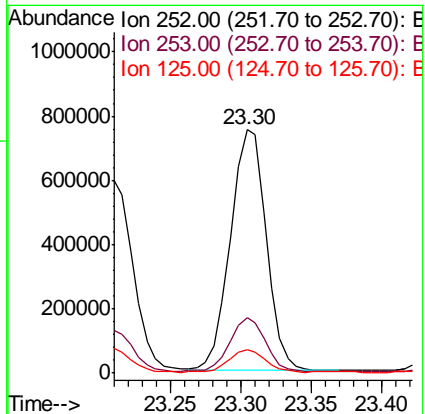
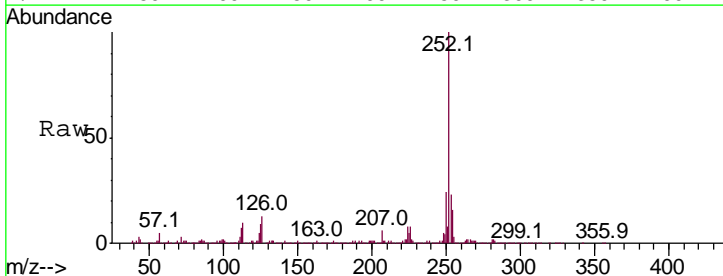
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.5	7.5	11.3

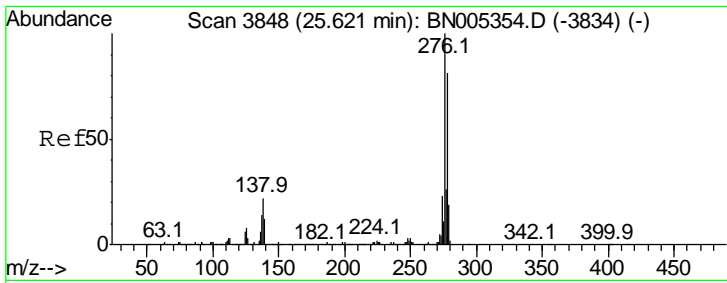


#90  
 Benzo(a)pyrene  
 Concen: 11.476 ng/ul  
 RT: 23.30 min Scan# 3454  
 Delta R.T. -0.04 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion: 252 Resp: 1332362

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.4	8.6	13.0

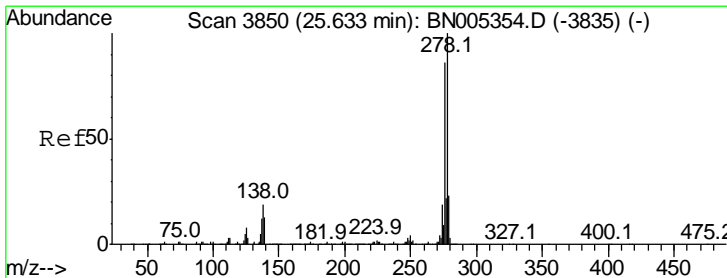
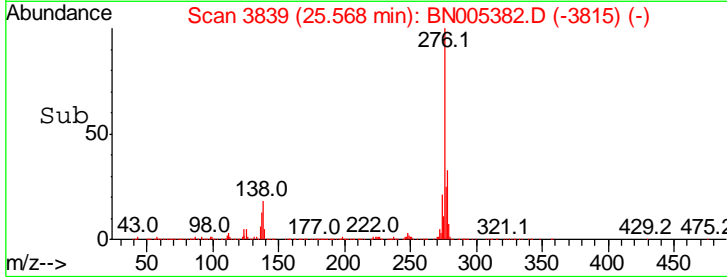
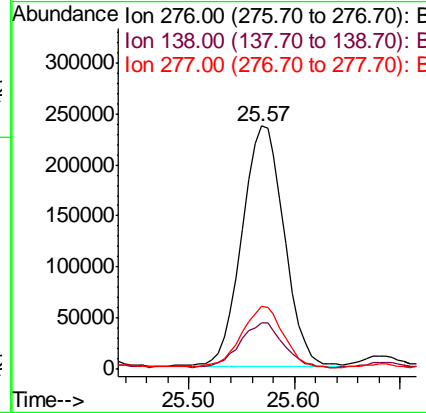
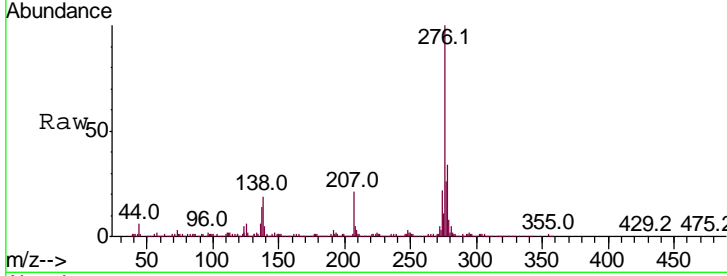




#91  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.096 ng/ul  
 RT: 25.57 min Scan# 3839  
 Delta R.T. -0.06 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

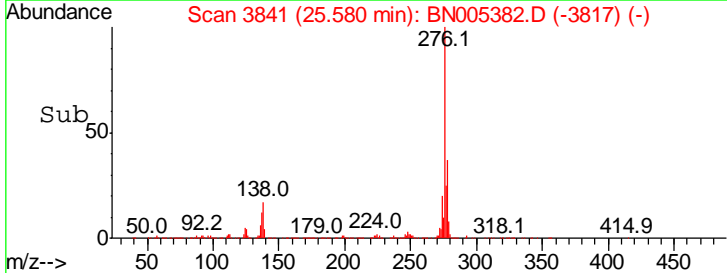
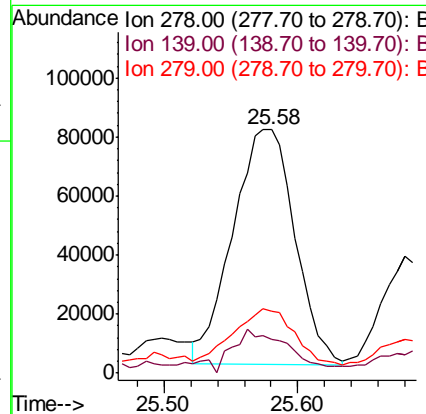
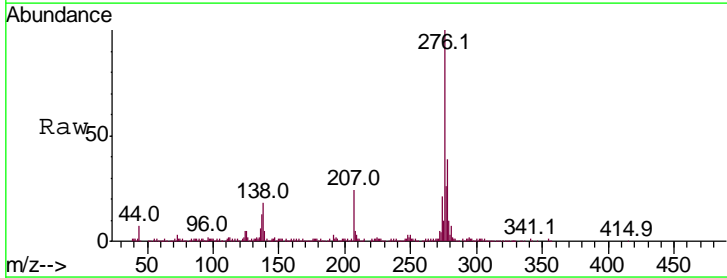
Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

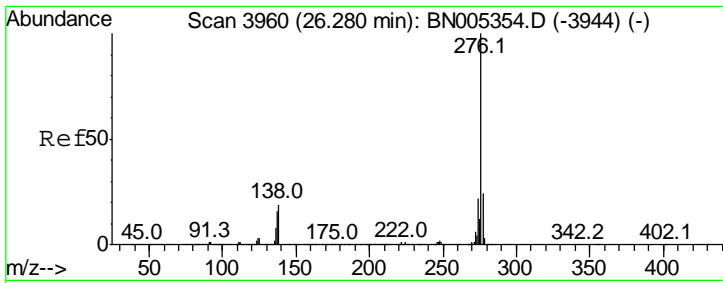
Tgt Ion	Resp	Lower	Upper
276	100		
138	19.1	17.9	26.9
277	26.2	19.7	29.5



#92  
 Dibenzo(a,h)anthracene  
 Concen: 2.349 ng/ul  
 RT: 25.58 min Scan# 3841  
 Delta R.T. -0.06 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Tgt Ion	Resp	Lower	Upper
278	100		
139	13.9	13.1	19.7
279	25.5	19.4	29.0





#93

Benzo(a,h,i)perylene  
 Concen: 4.234 ng/ul  
 RT: 26.23 min Scan# 3952  
 Delta R.T. -0.06 min  
 Lab File: BN005382.D  
 Acq: 30 Apr 2019 21:23

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHW2ME

Tot Ion: 276 Resp: 449408

Ion	Ratio	Lower	Upper
276	100		
138	17.6	16.7	25.1
277	23.8	18.2	27.2

