

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 :

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

					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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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

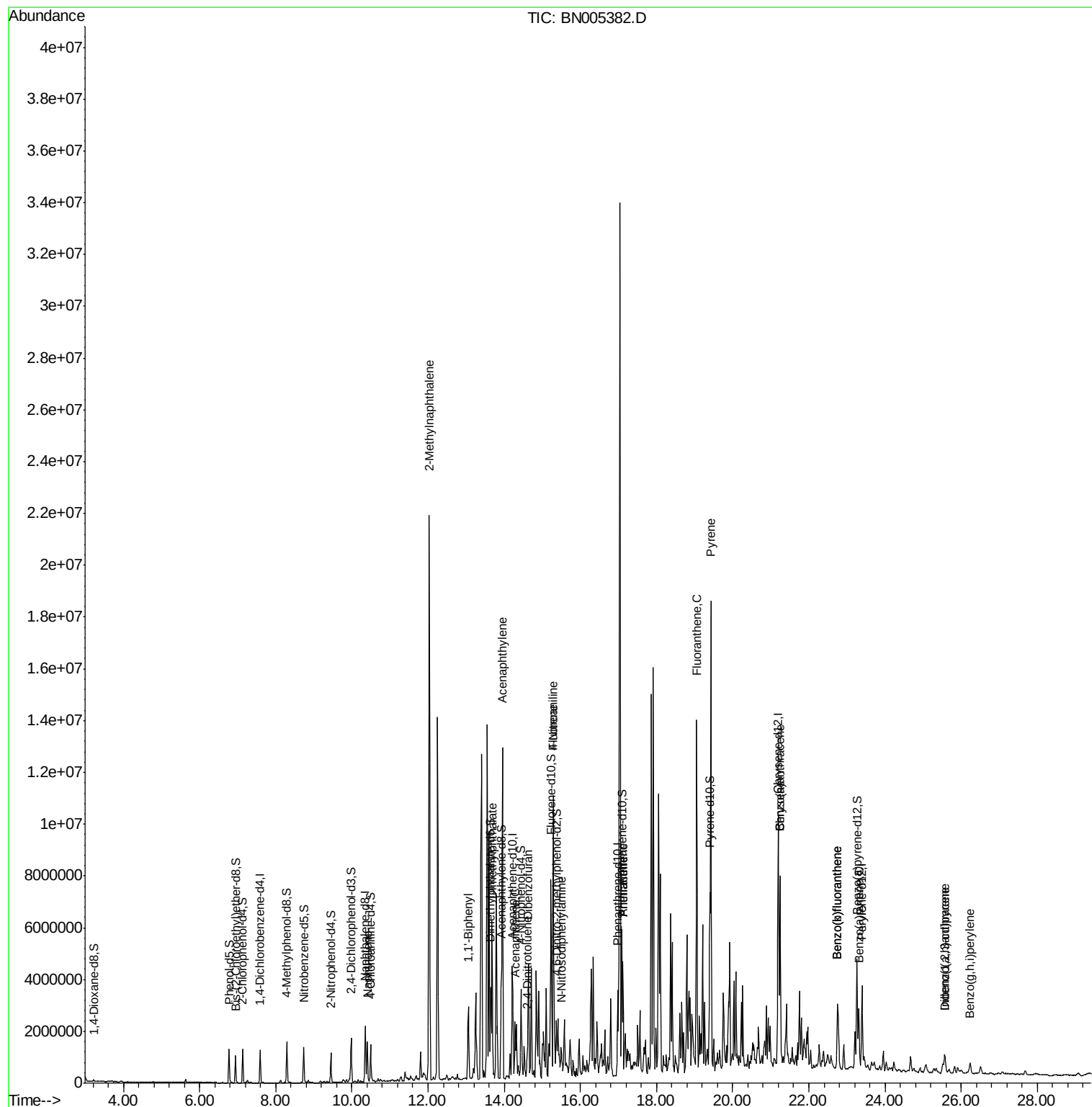
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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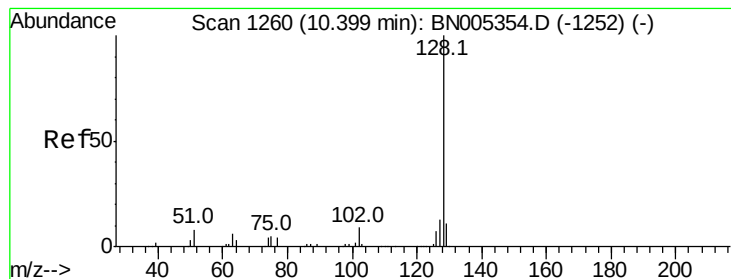
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

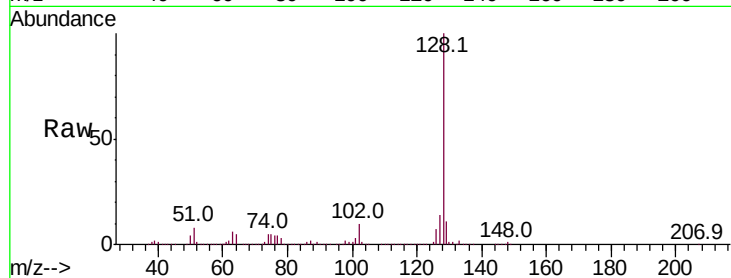
Tot Ion:128 Resp: 1203966

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

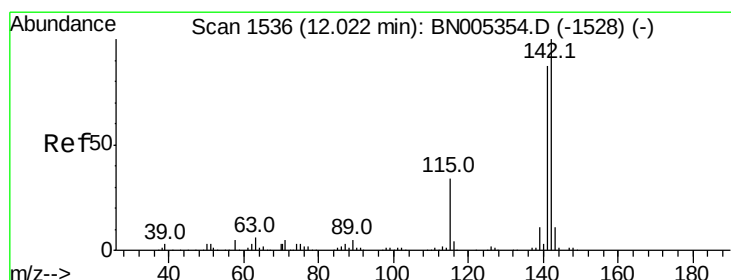
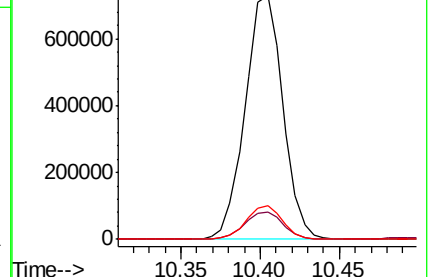
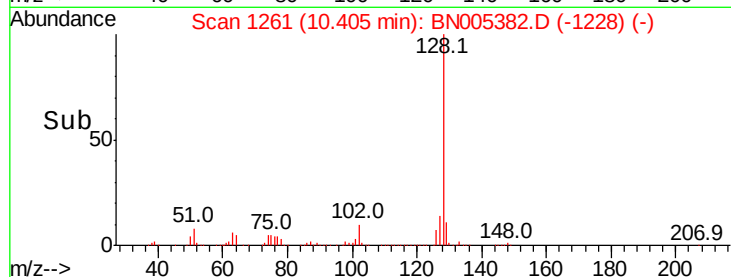
127 13.7 10.7 16.1



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



#34

2-Methylnaphthalene

Concen: 224.697 ng/ul

RT: 12.03 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BN005382.D

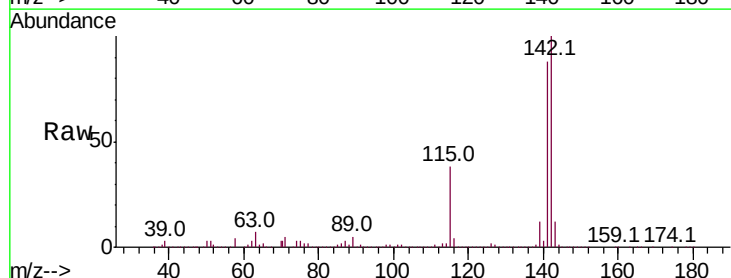
Acq: 30 Apr 2019 21:23

Tgt Ion:142 Resp:11426403

Ion Ratio Lower Upper

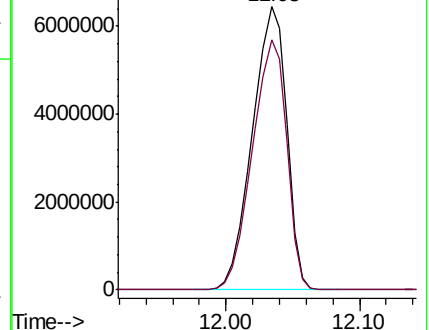
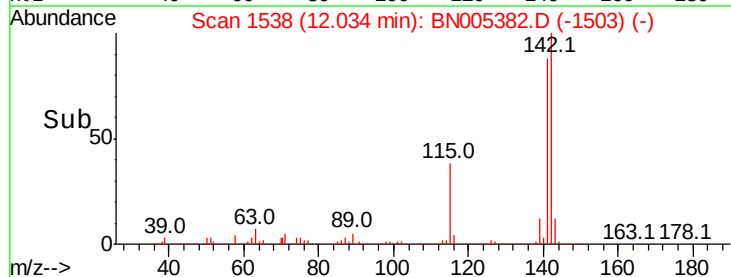
142 100

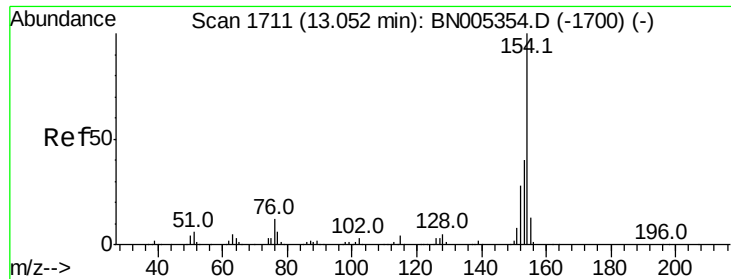
141 88.2 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

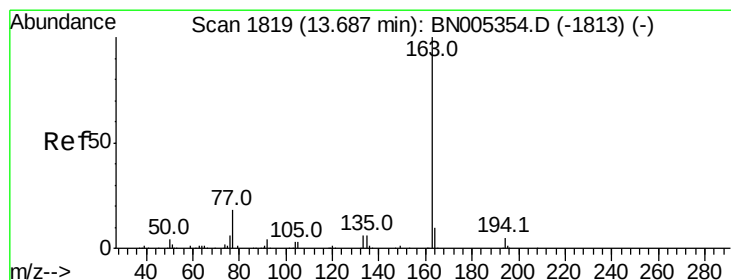
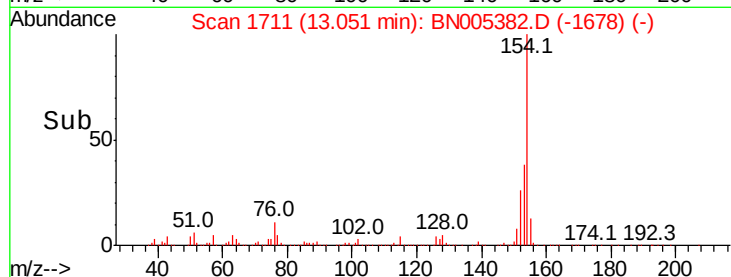
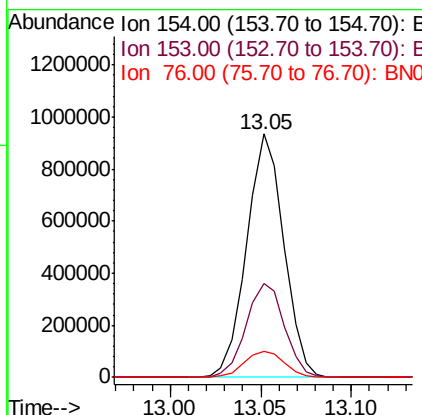
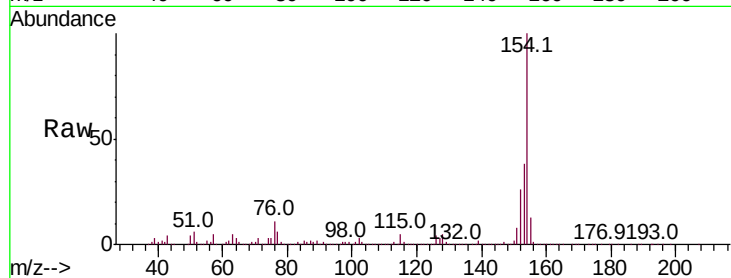




#40
 1,1'-Biphenyl
 Concen: 18.320 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005382.D
 Acq: 30 Apr 2019 21:23

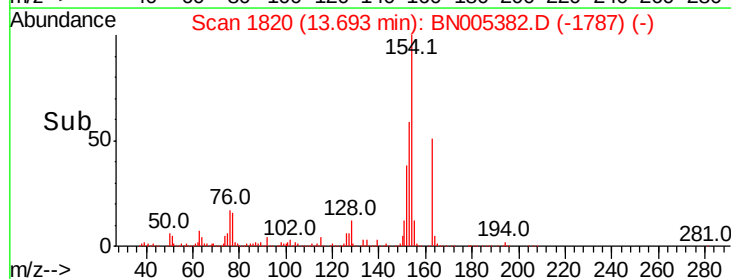
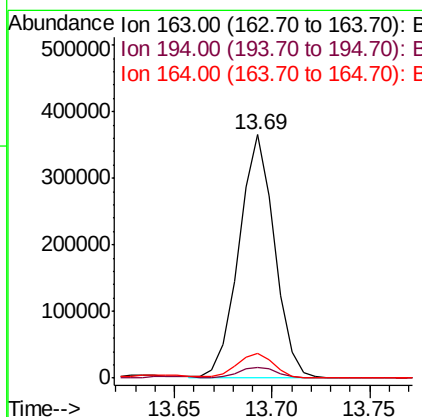
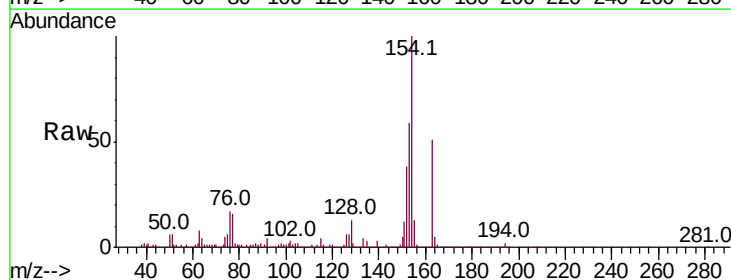
Instrument :
 BNA_N
 ClientSampleId :

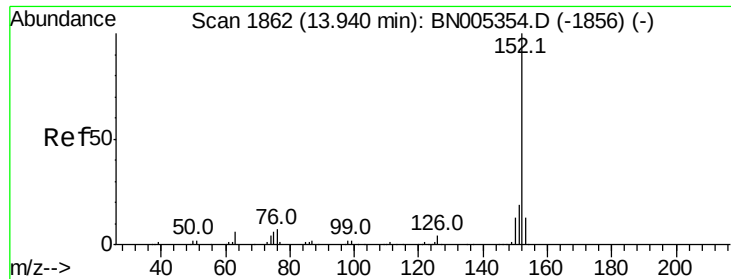
Tot Ion:154 Resp: 1329794
 Ion Ratio Lower Upper
 154 100
 153 38.4 32.6 49.0
 76 10.7 10.4 15.6



#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:163 Resp: 458795
 Ion Ratio 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

ClientSampleId :

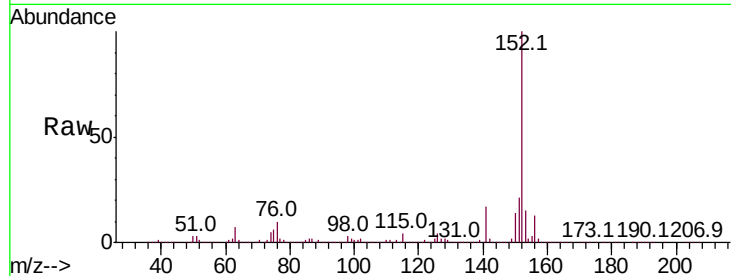
Tot Ion:152 Resp: 7309306

Ion Ratio Lower Upper

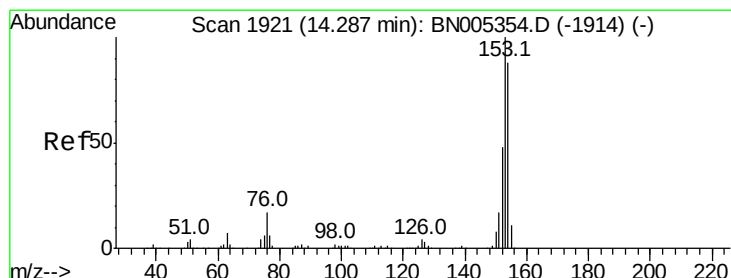
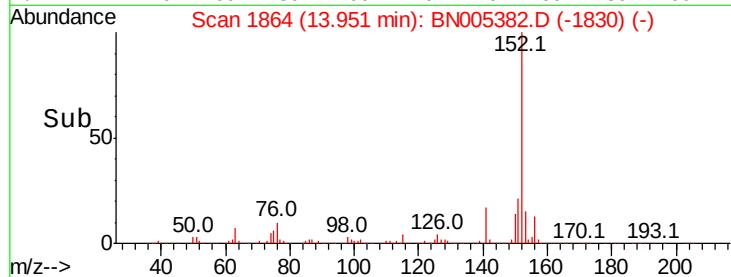
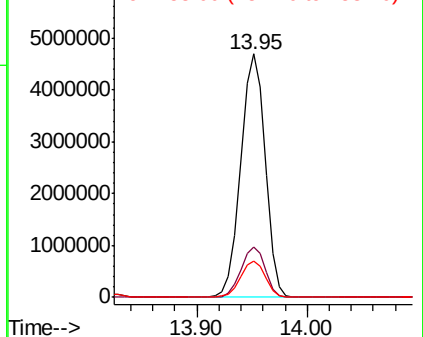
152 100

151 20.8 15.8 23.8

153 15.0 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: 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

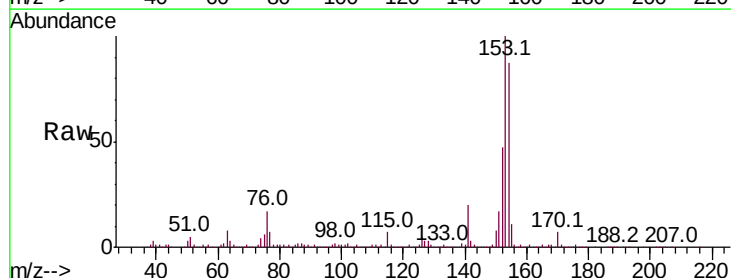
Tgt Ion:153 Resp: 800173

Ion Ratio Lower Upper

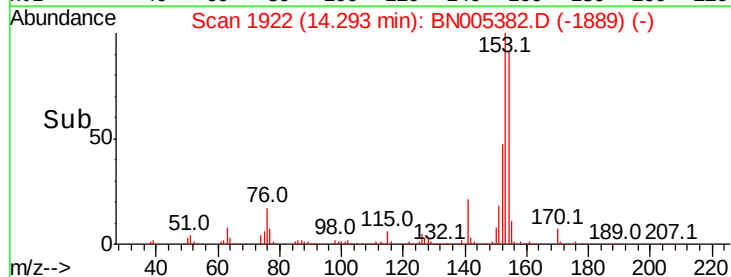
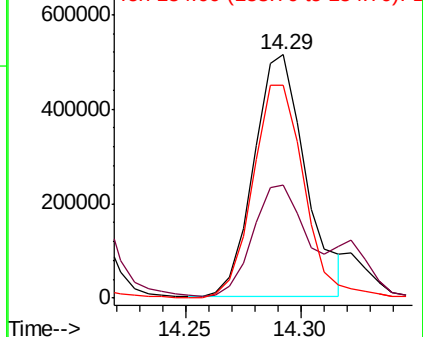
153 100

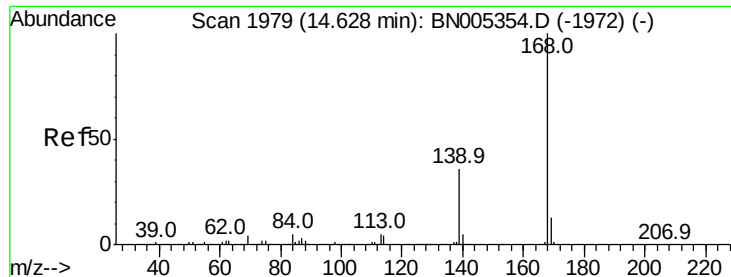
152 46.5 37.4 56.0

154 87.4 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: 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

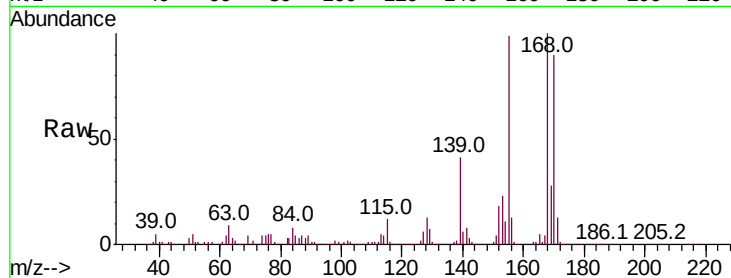
ClientSampleId :

Tot Ion:168 Resp: 997977

Ion Ratio Lower Upper

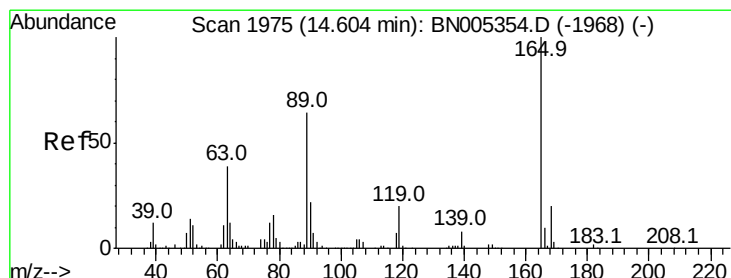
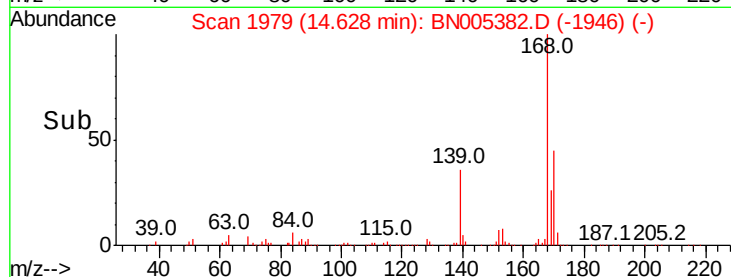
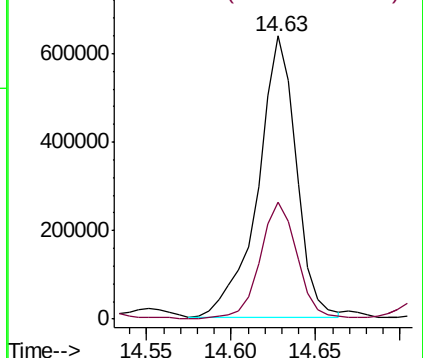
168 100

139 41.5 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: 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

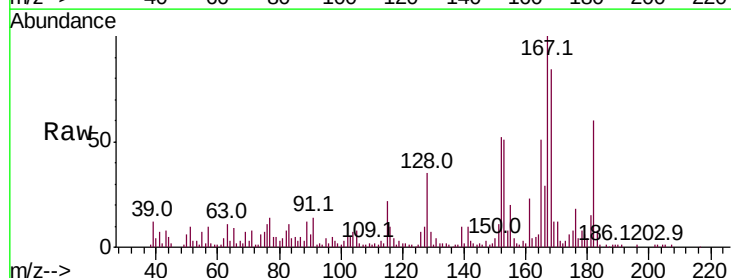
Tgt Ion:165 Resp: 68457

Ion Ratio Lower Upper

165 100

63 22.4 38.9 58.3#

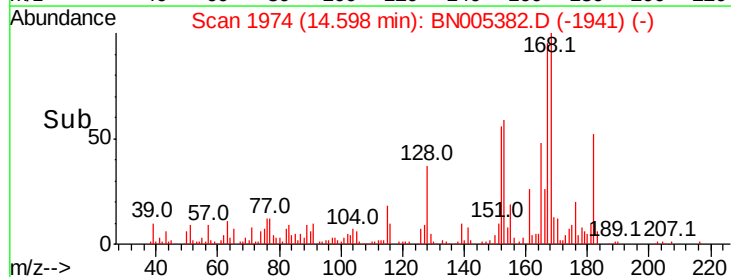
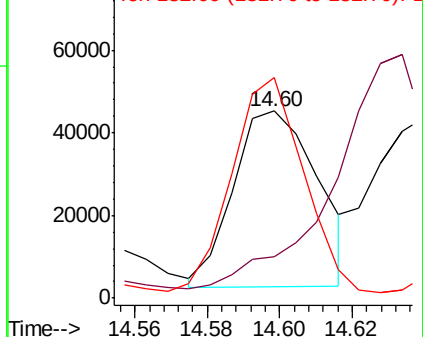
182 118.0 2.6 3.8#

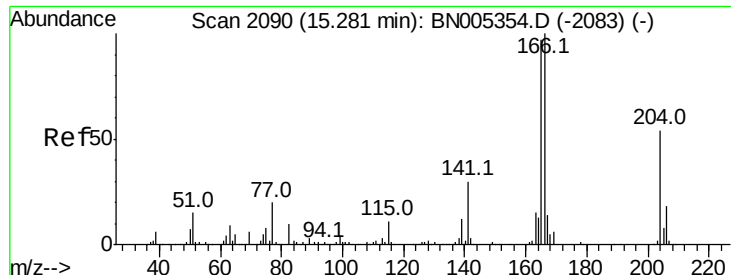


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E

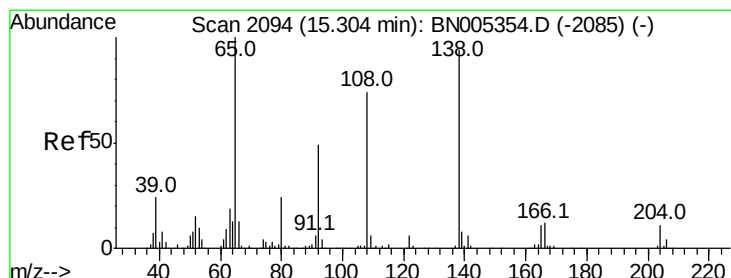
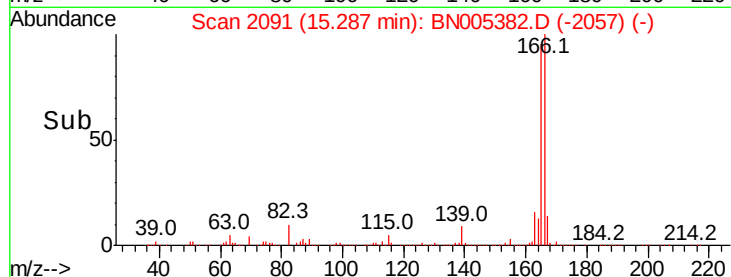
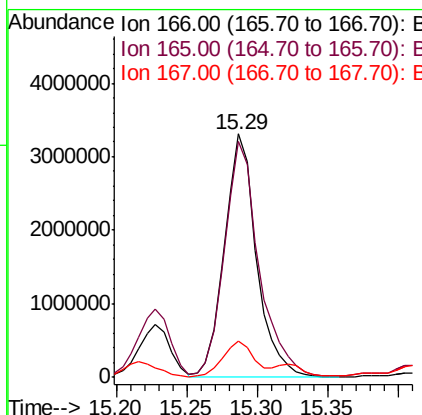
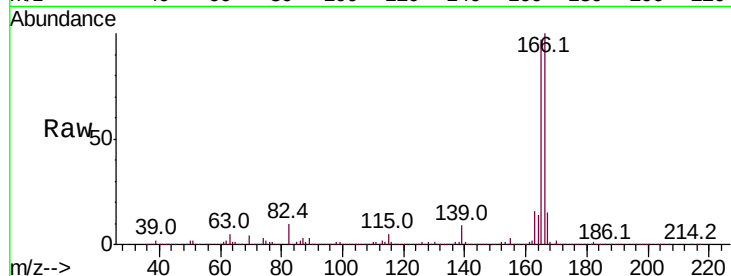




#58
 Fluorene
 Concen: 79.701 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005382.D
 Acq: 30 Apr 2019 21:23

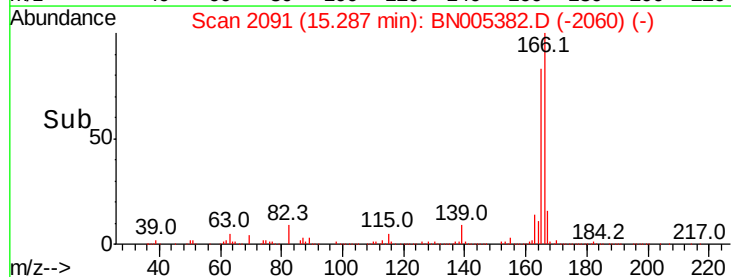
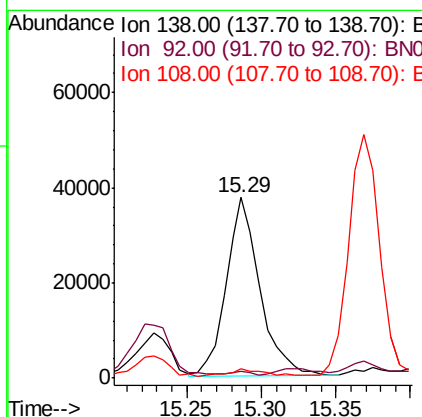
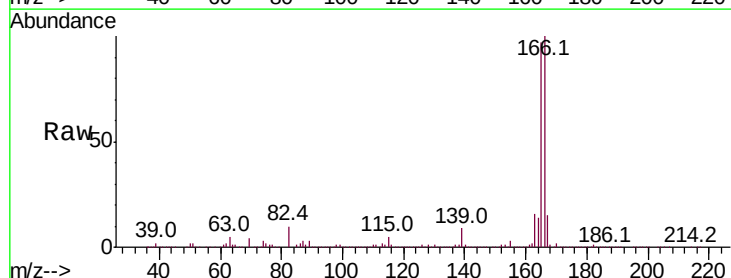
Instrument :
 BNA_N
 ClientSampleId :

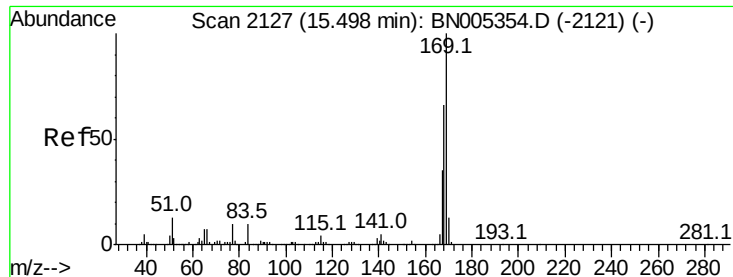
Tot Ion:166 Resp: 5217946
 Ion Ratio Lower Upper
 166 100
 165 97.1 80.0 120.0
 167 15.1 10.7 16.1



#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#



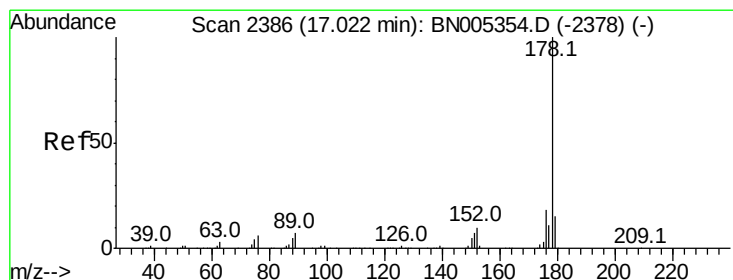
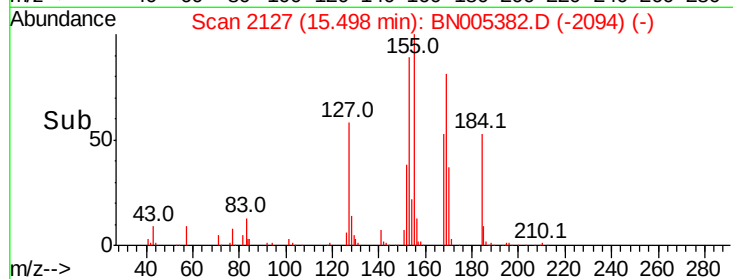
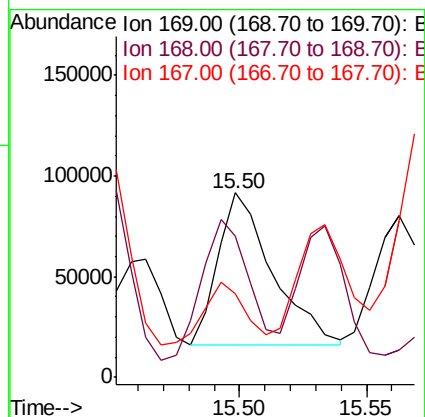
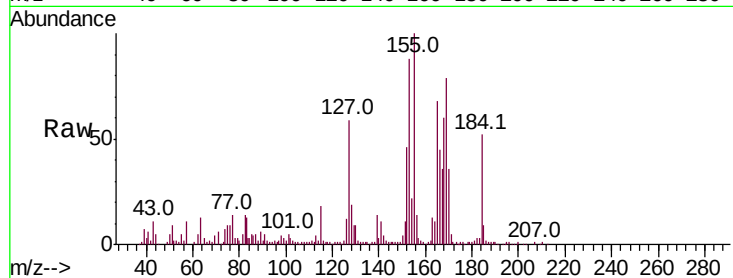


#64

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 :

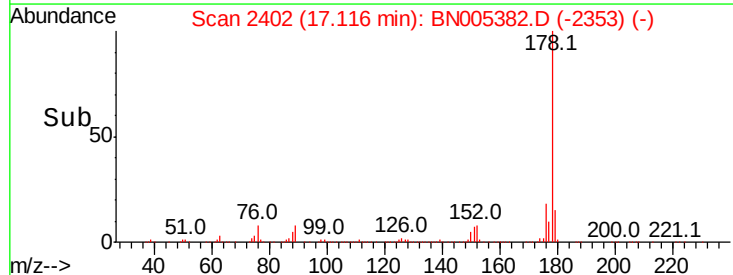
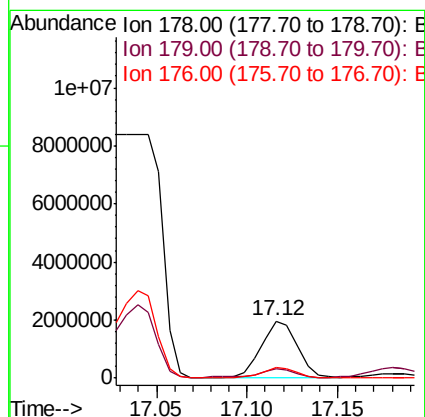
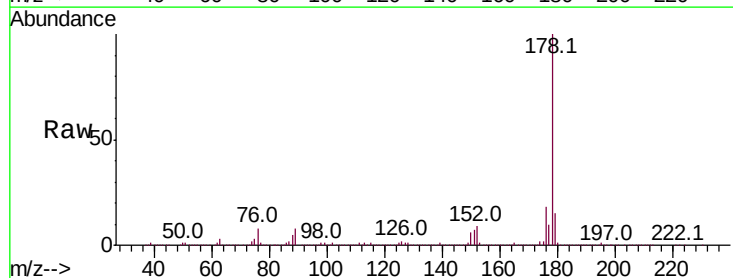
Tot Ion:169 Resp: 113610
 Ion Ratio Lower Upper
 169 100
 168 76.6 52.2 78.2
 167 45.5 27.7 41.5#

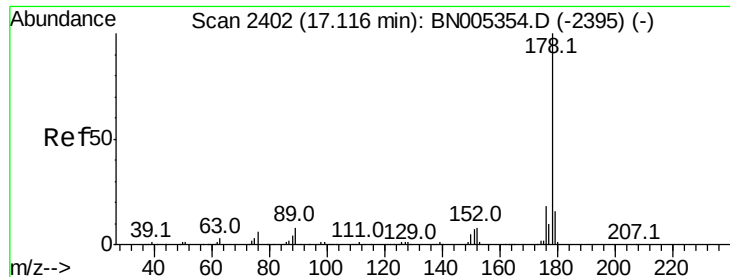


#69

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:178 Resp: 2630382
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 18.2 15.1 22.7

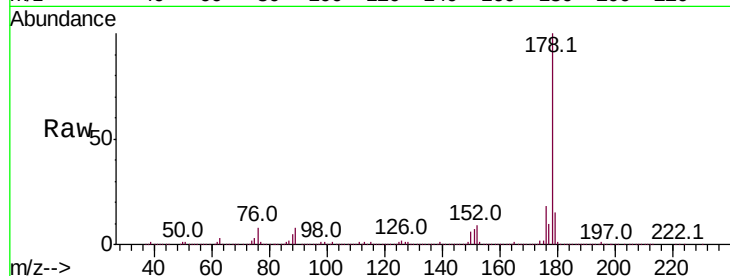




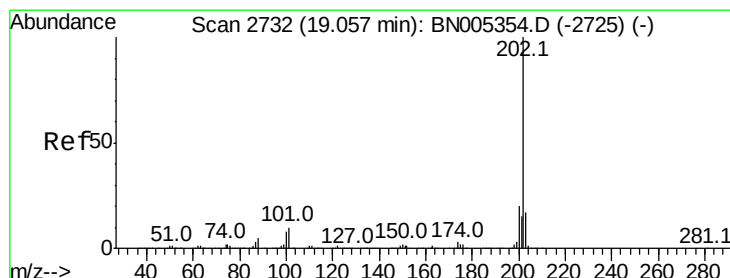
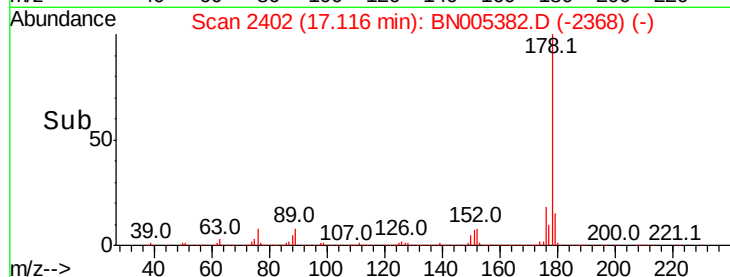
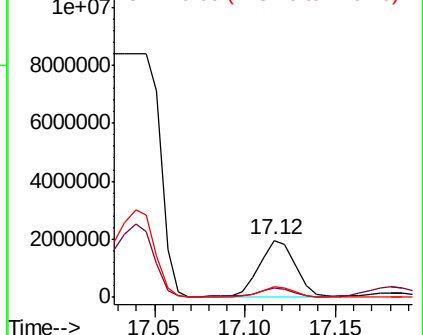
#71
 Anthracene
 Concen: 23.282 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005382.D
 Acq: 30 Apr 2019 21:23

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 2630382
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.3 18.5
 176 18.2 15.1 22.7

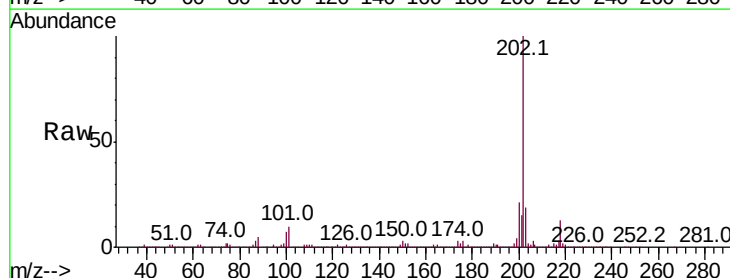


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

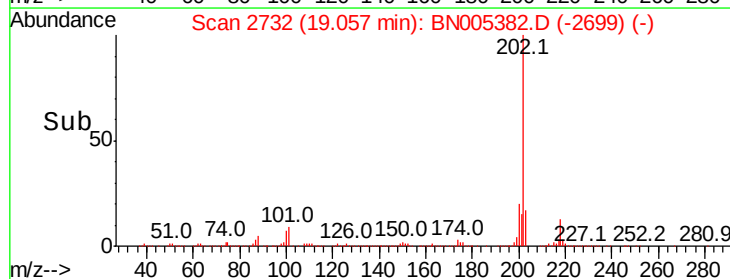
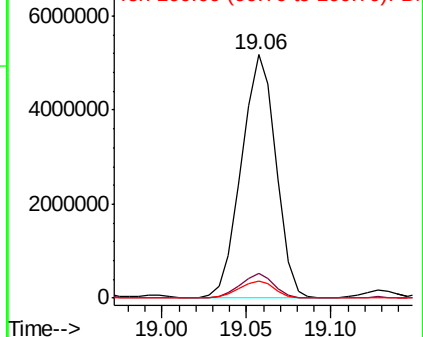


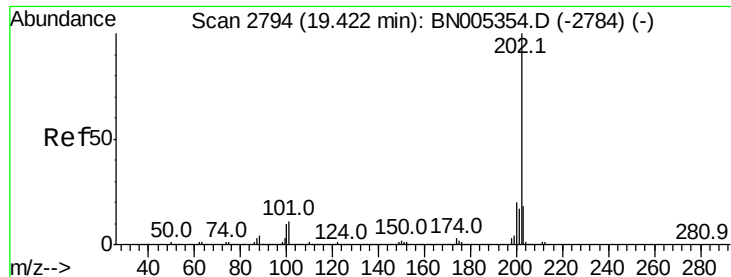
#76
 Fluoranthene
 Concen: 59.793 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BN005382.D
 Acq: 30 Apr 2019 21:23

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



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

Pvrene

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

ClientSampleId :

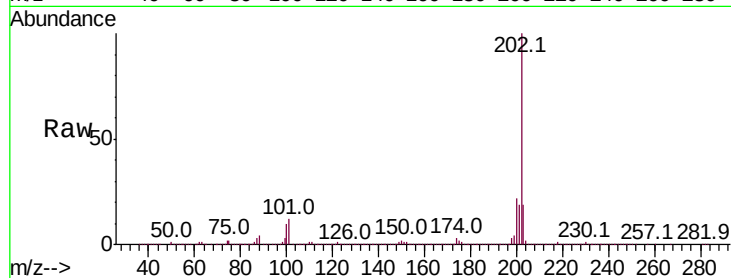
Tot Ion:202 Resp:11133843

Ion Ratio Lower Upper

202 100

101 11.8 10.3 15.5

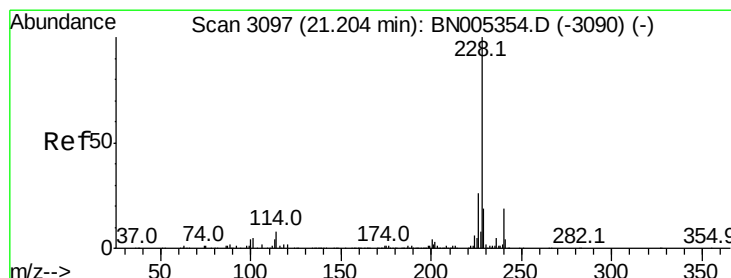
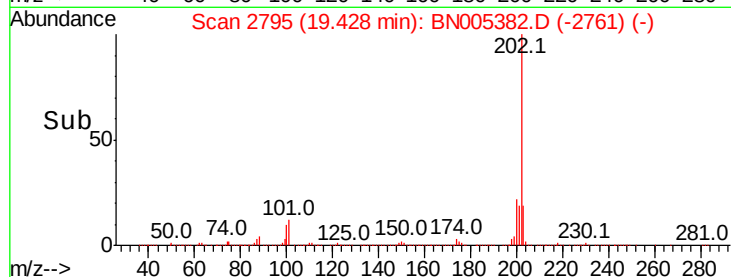
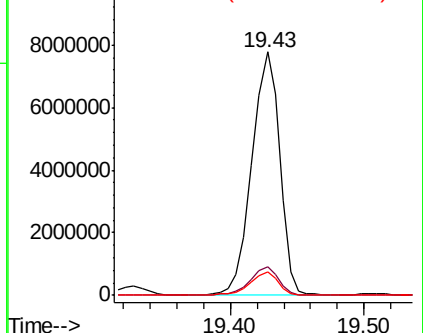
100 9.9 7.9 11.9



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: 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

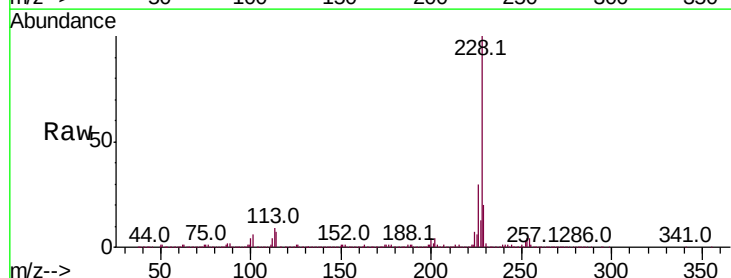
Tgt Ion:228 Resp: 4057910

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.6

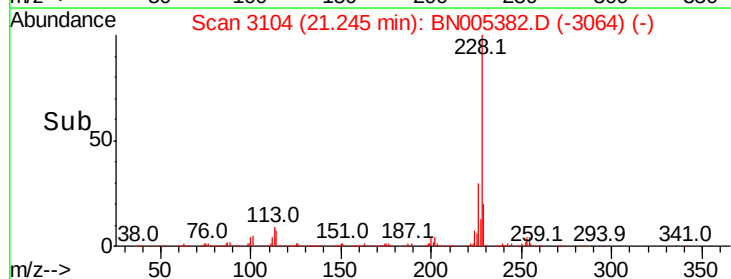
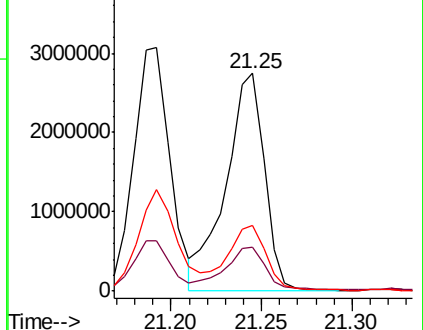
226 30.3 21.4 32.2

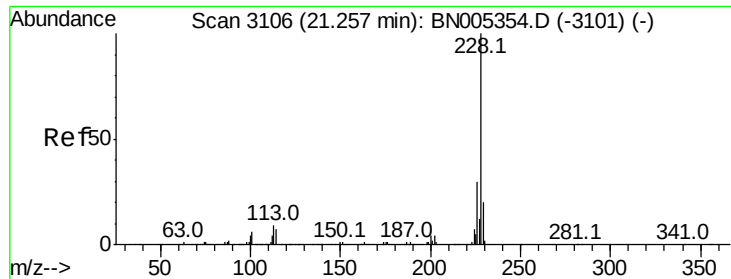


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 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

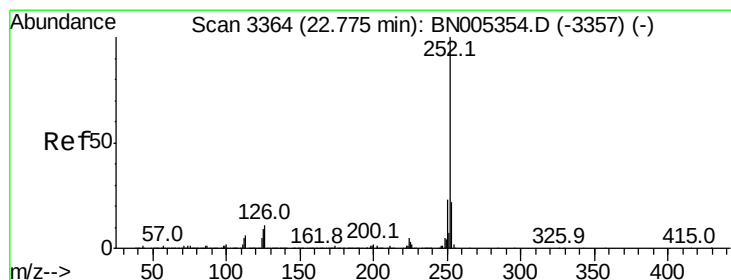
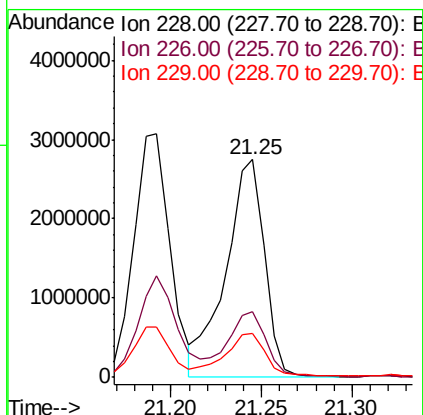
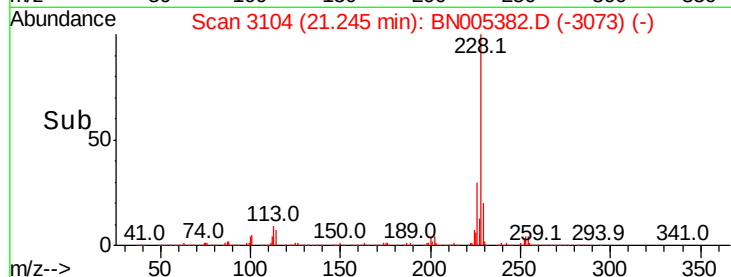
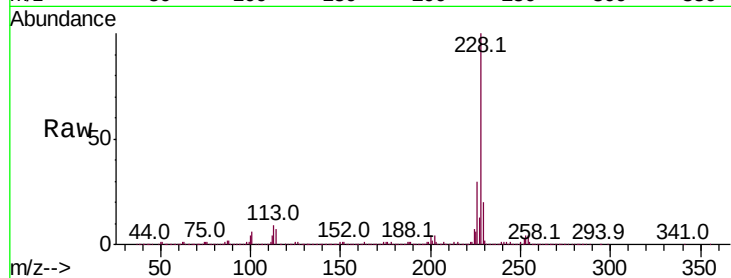
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 4058759

Ion	Ratio	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

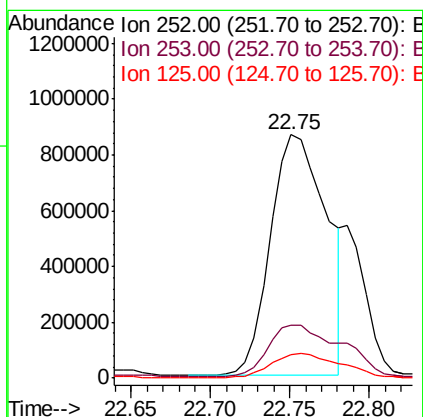
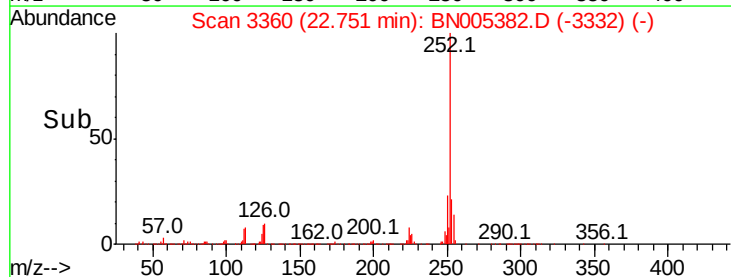
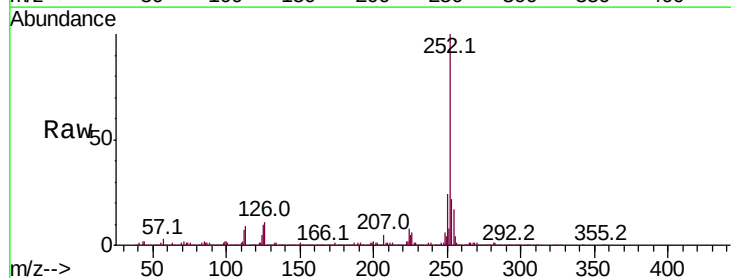
Delta R.T. -0.03 min

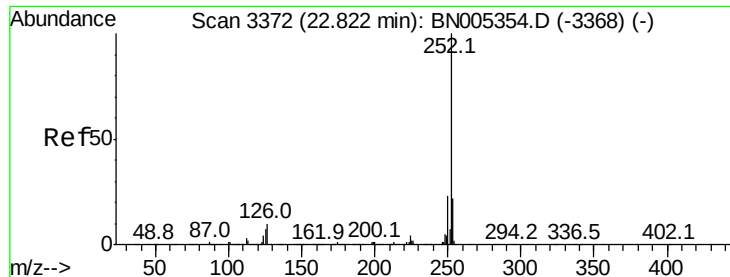
Lab File: BN005382.D

Acq: 30 Apr 2019 21:23

Tgt Ion:252 Resp: 2139862

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



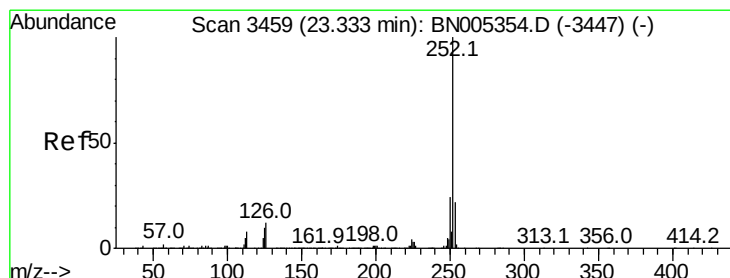
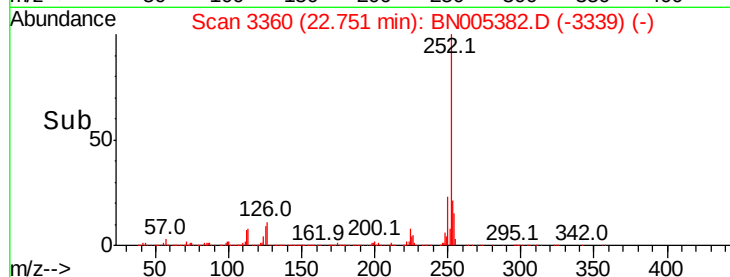
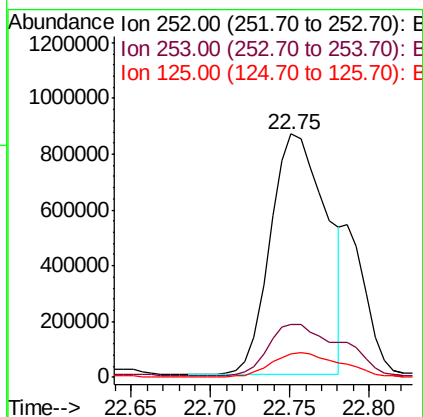
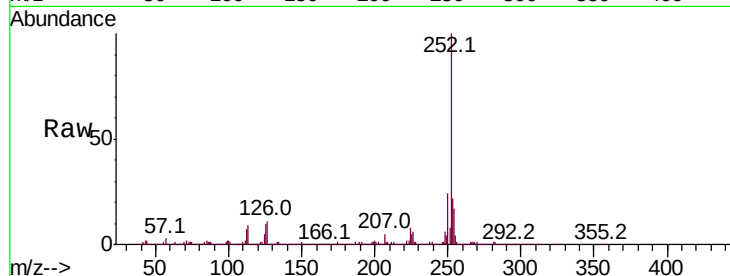


#88
Benzo(k)fluoranthene
Concen: 18.139 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. -0.08 min
Lab File: BN005382.D
Acq: 30 Apr 2019 21:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 2139862

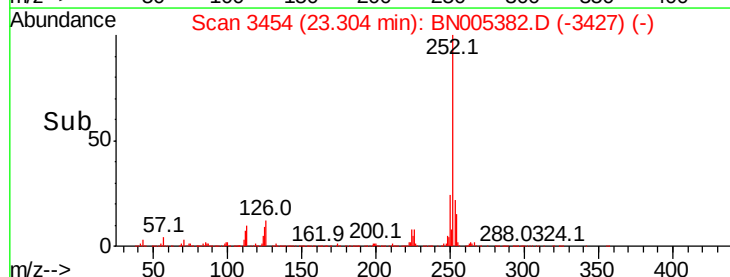
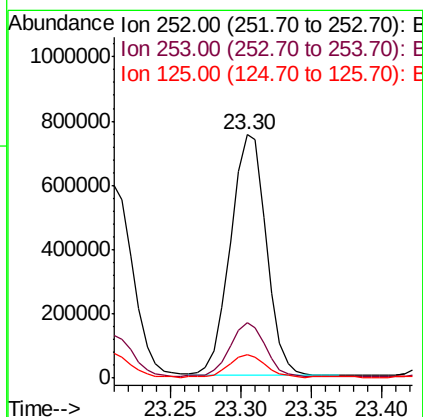
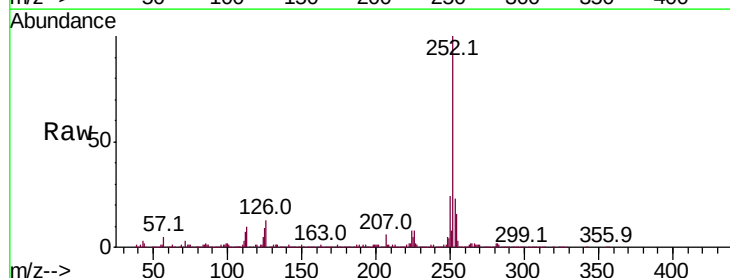
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.5	7.5	11.3

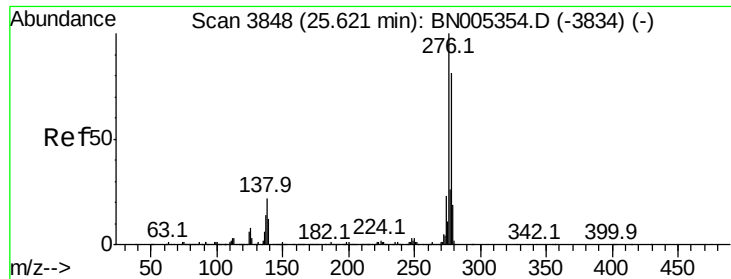


#90
Benzo(a)pyrene
Concen: 11.476 ng/ul
RT: 23.30 min Scan# 3454
Delta R.T. -0.04 min
Lab File: BN005382.D
Acq: 30 Apr 2019 21:23

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



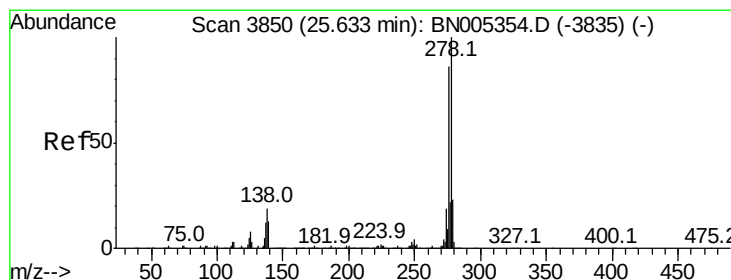
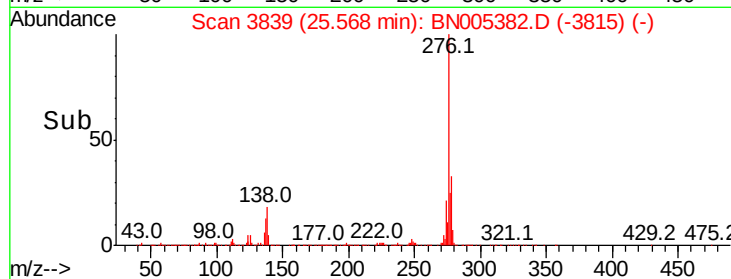
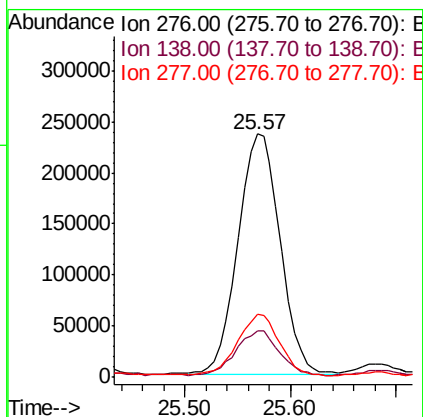
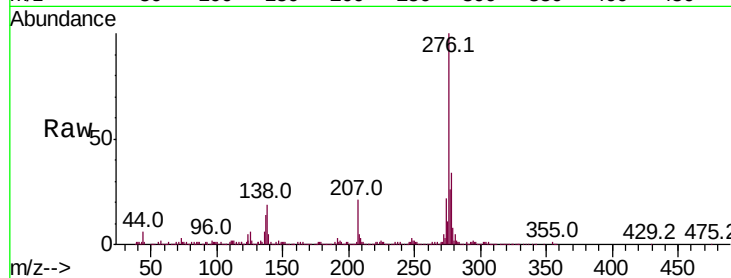


#91

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
ClientSampleId :

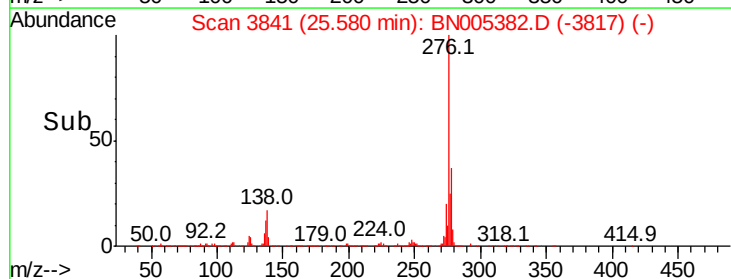
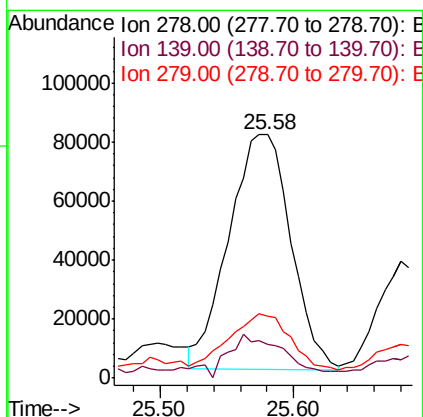
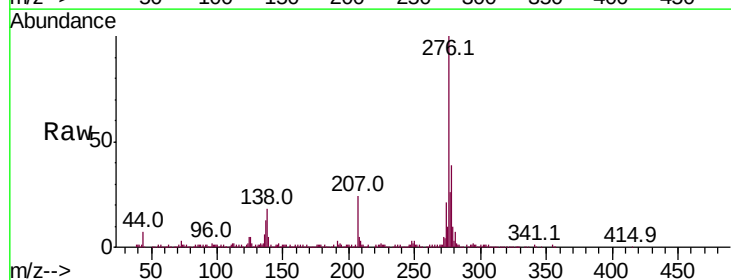
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	17.9	26.9
277	26.2	19.7	29.5

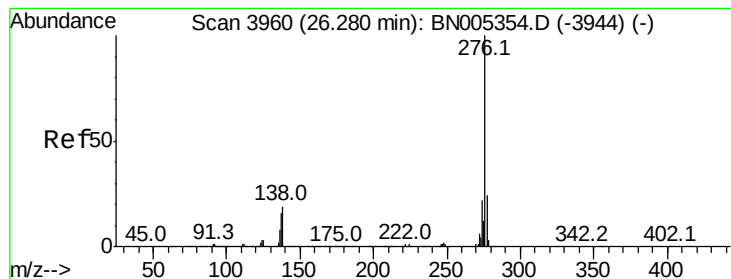


#92

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	Ratio	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

ClientSampleId :

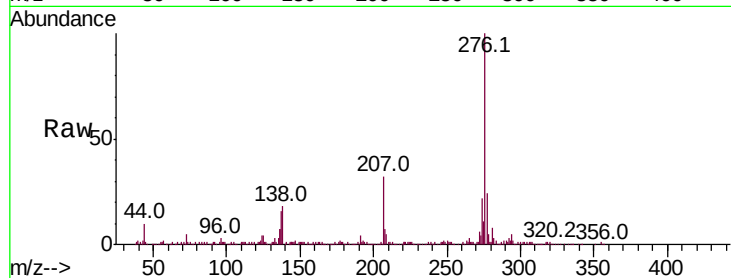
Tot Ion:276 Resp: 449408

Ion Ratio Lower Upper

276 100

138 17.6 16.7 25.1

277 23.8 18.2 27.2



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

