

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005460.D
 Acq On : 03 May 2019 19:55
 Operator : JU/SJ
 Sample : K2604-16MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ88MSD

Quant Time: May 04 00:58:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	309448	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1402375	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	888866	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2050843	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1779602	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1656115	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22742	3.55	ng/uL	0.00
5) Phenol-d5	6.78	99	735907	30.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	400903	26.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	571592	30.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	659123	34.69	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	325241	37.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	374194	42.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	690790	34.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	874304	42.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2200741	34.11	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	2731432	34.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	325935	31.99	ng/ul	0.00
57) Fluorene-d10	15.22	176	1892059	34.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	241551	26.19	ng/ul	0.00
70) Anthracene-d10	17.07	188	2957487	34.40	ng/ul	0.00
78) Pyrene-d10	19.39	212	3213451	35.30	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	2558271	35.35	ng/ul	-0.01

Target Compounds

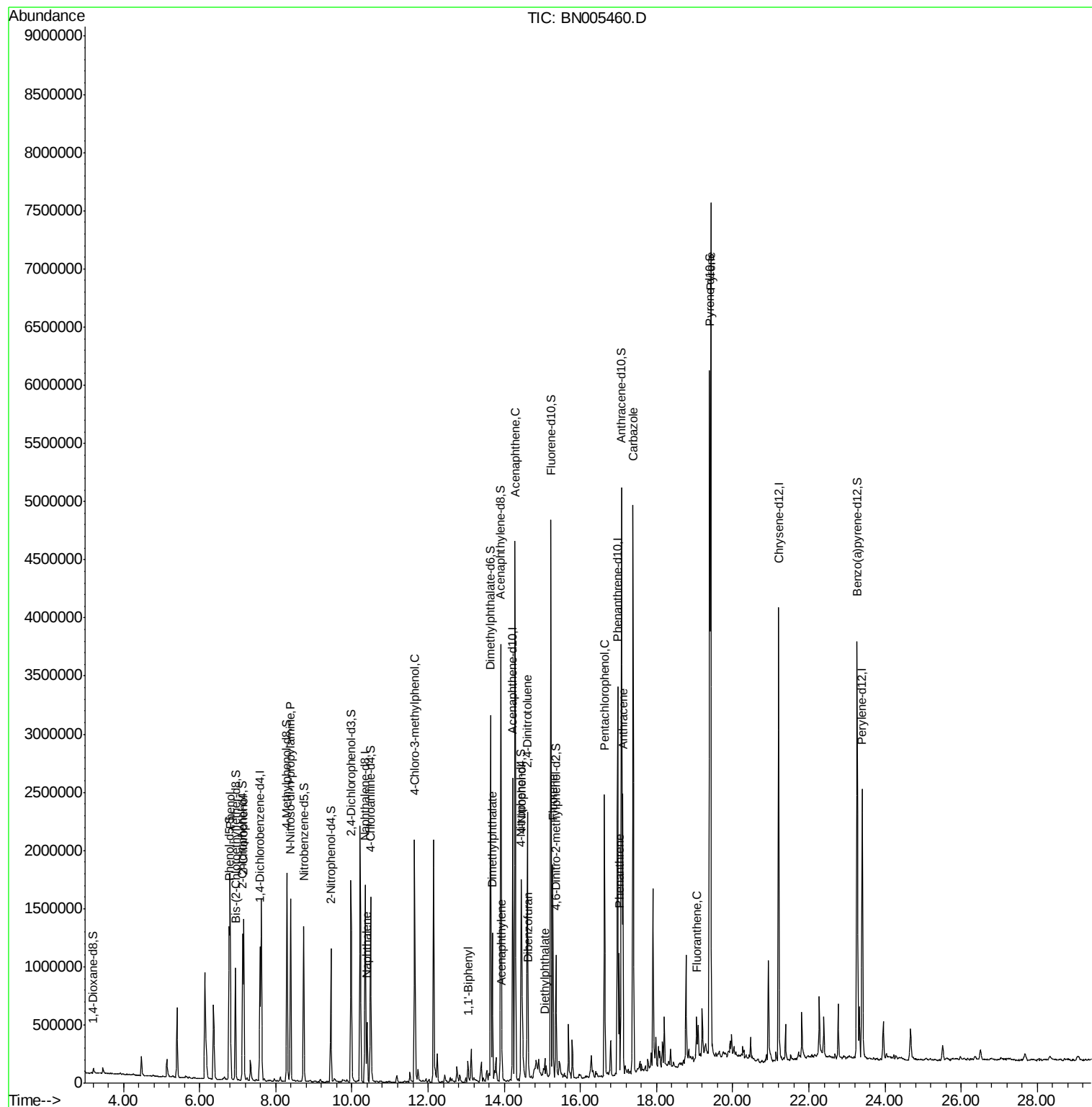
					Qvalue	
6) Phenol	6.80	94	898236	35.931	ng/ul	96
10) 2-Chlorophenol	7.16	128	600120	31.209	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.39	70	558281	34.325	ng/ul	89
28) Naphthalene	10.40	128	399206	6.123	ng/ul	99
33) 4-Chloro-3-methylphenol	11.65	107	820332	36.803	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	90611	1.368	ng/ul	99
44) Dimethylphthalate	13.69	163	786938	12.240	ng/ul	100
47) Acenaphthylene	13.94	152	92730	1.191	ng/ul#	96
49) Acenaphthene	14.29	153	1873675	35.240	ng/ul	99
52) 4-Nitrophenol	14.46	109	287431	31.081	ng/ul	95
53) Dibenzofuran	14.63	168	153968	2.011	ng/ul	96
54) 2,4-Dinitrotoluene	14.60	165	682552	42.649	ng/ul	88
56) Diethylphthalate	15.06	149	75288	1.168	ng/ul	96
58) Fluorene	15.28	166	806859	13.507	ng/ul	99
68) Pentachlorophenol	16.63	266	430934	33.453	ng/ul	97
69) Phenanthrene	17.02	178	651452	6.522	ng/ul	98
71) Anthracene	17.11	178	1473278	14.480	ng/ul	99
74) Carbazole	17.39	167	3242155	37.094	ng/ul	99
76) Fluoranthene	19.06	202	200214	1.807	ng/ul#	93
79) Pyrene	19.42	202	4371006	38.147	ng/ul	96

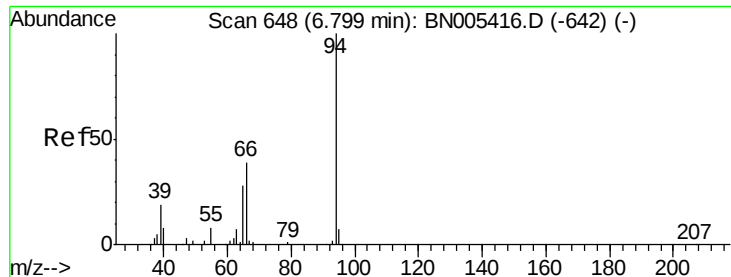
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration





#6

Phenol

Concen: 35.931 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

BNA_N

ClientSampleId :

GAJ88MSD

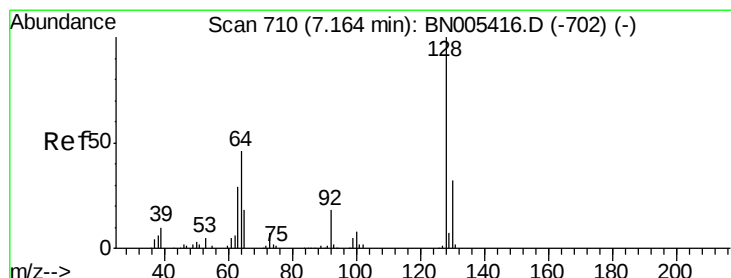
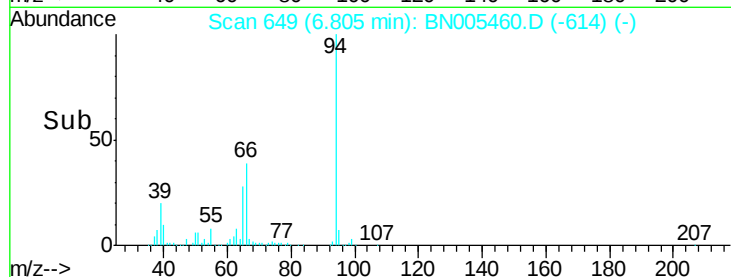
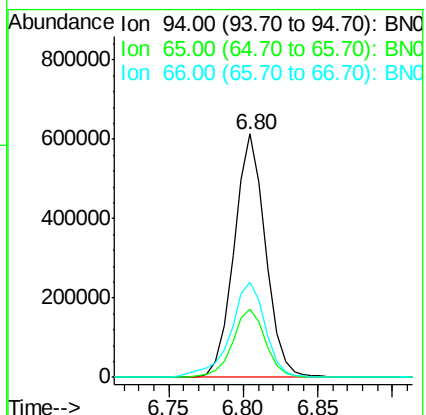
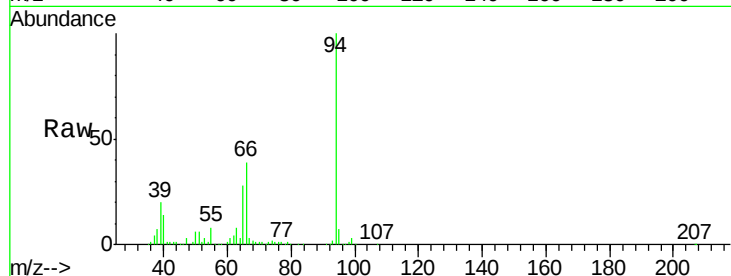
Tgt Ion: 94 Resp: 898236

Ion Ratio Lower Upper

94 100

65 28.2 24.2 36.4

66 39.2 33.8 50.6



#10

2-Chlorophenol

Concen: 31.209 ng/ul

RT: 7.16 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

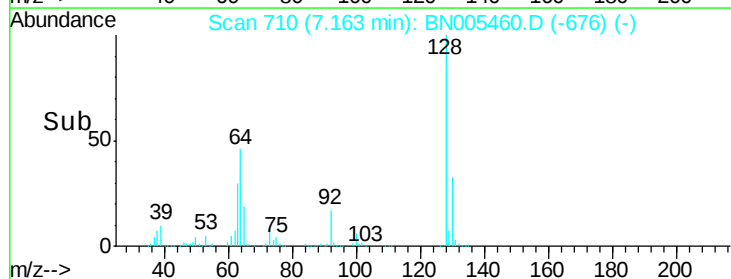
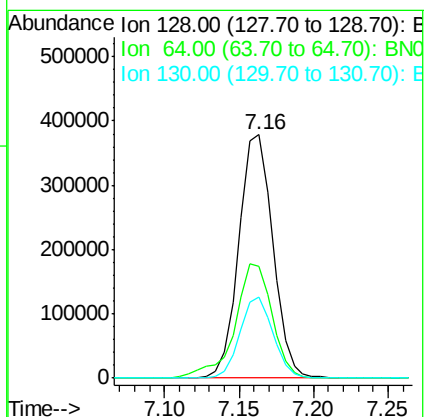
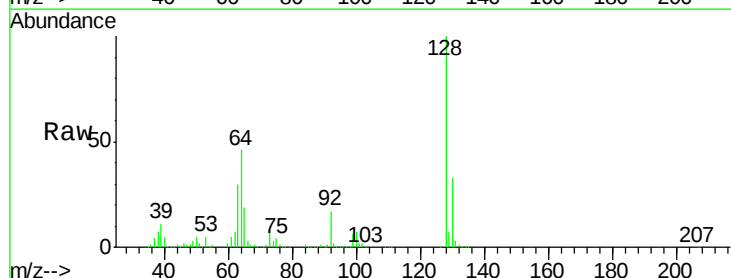
Tgt Ion: 128 Resp: 600120

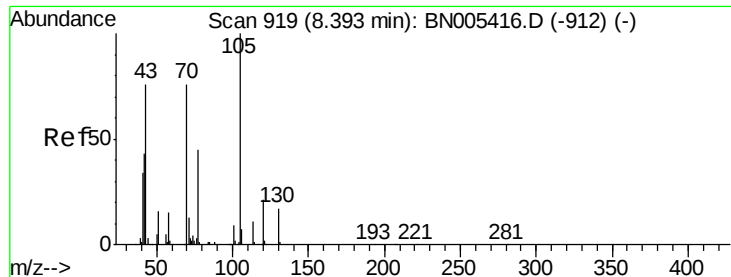
Ion Ratio Lower Upper

128 100

64 45.9 42.3 63.5

130 33.3 26.5 39.7





#15

N-Nitroso-di-n-propylamine

Concen: 34.325 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

BNA_N

ClientSampleId :

GAJ88MSD

Tgt Ion: 70 Resp: 558281

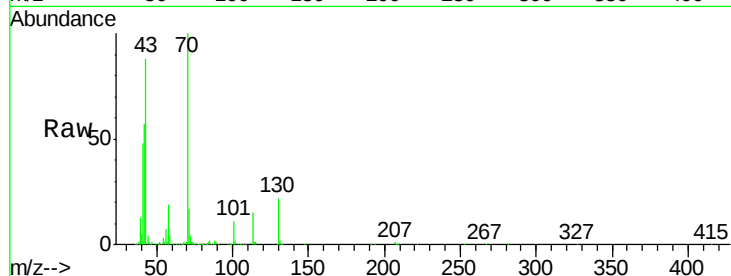
Ion Ratio Lower Upper

70 100

42 56.6 53.8 80.8

101 10.9 7.7 11.5

130 21.6 15.0 22.4

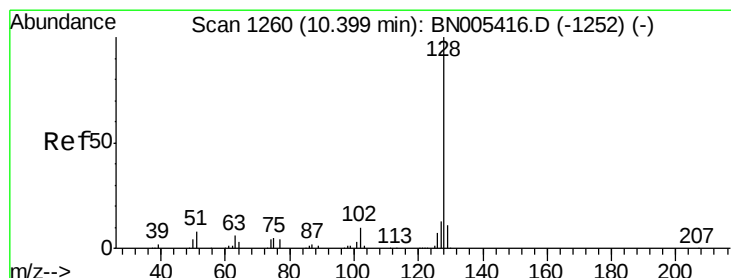
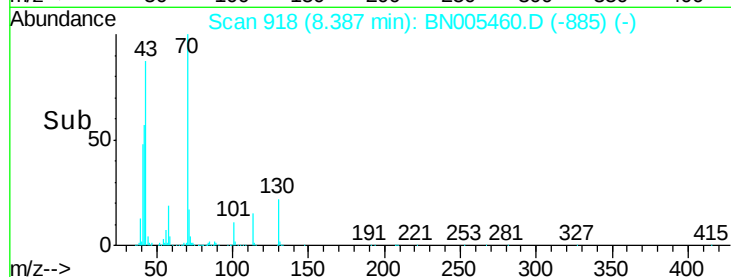
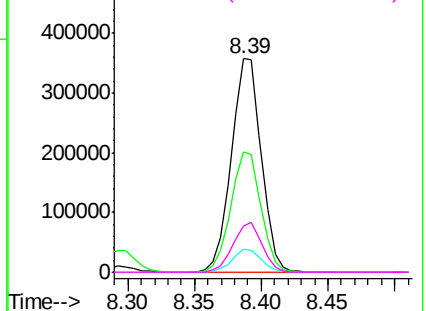


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#28

Naphthalene

Concen: 6.123 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

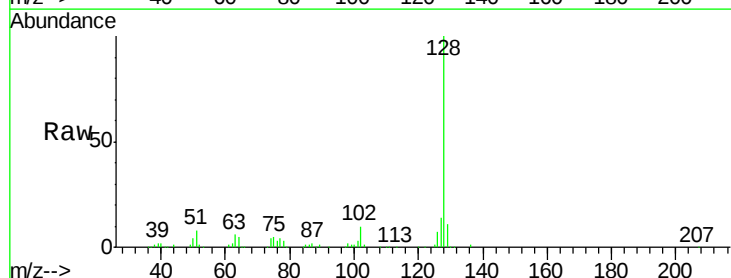
Tgt Ion: 128 Resp: 399206

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

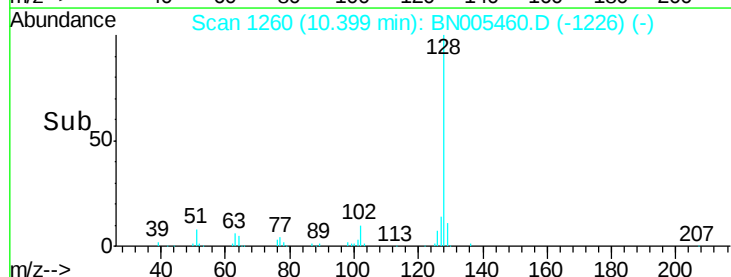
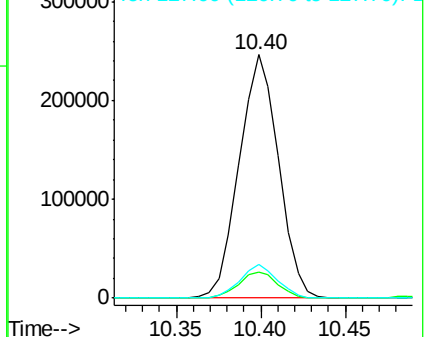
127 13.6 10.7 16.1

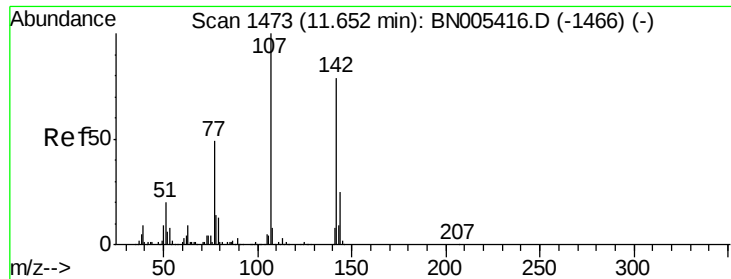


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

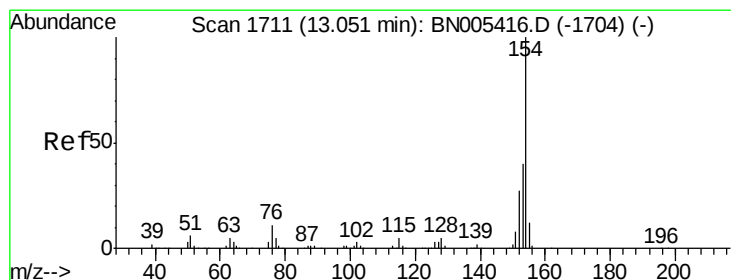
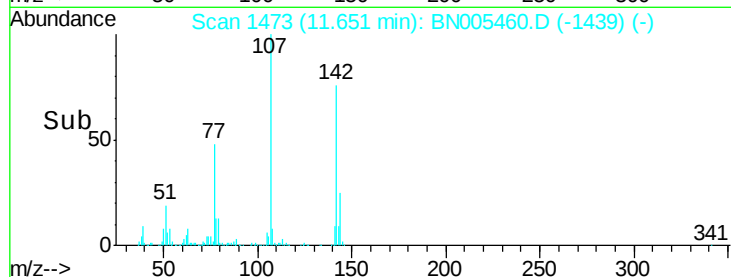
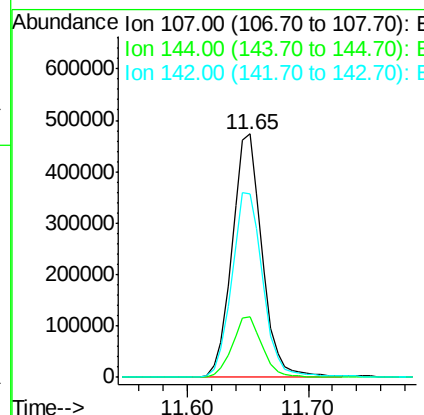
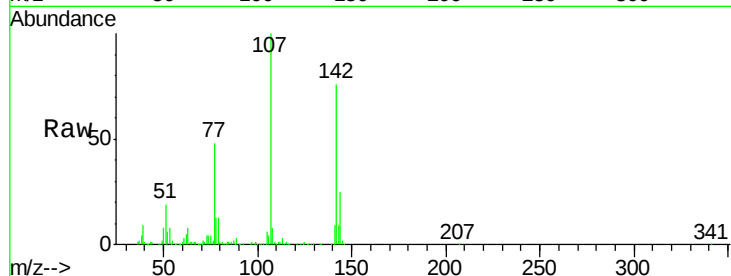




#33
 4-Chloro-3-methylphenol
 Concen: 36.803 ng/ul
 RT: 11.65 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

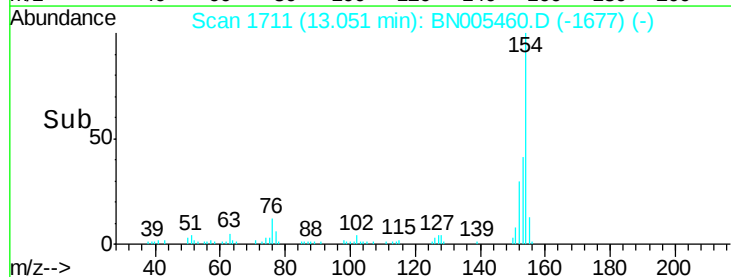
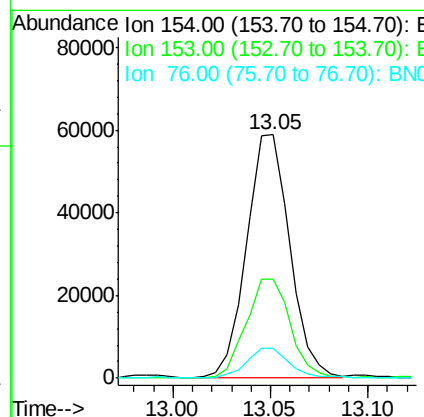
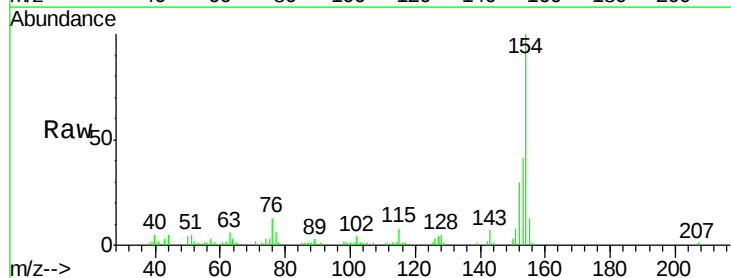
Instrument :
 BNA_N
 ClientSampleId :
 GAJ88MSD

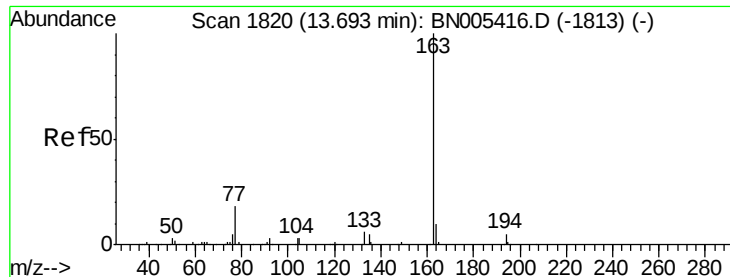
Tgt Ion:107 Resp: 820332
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.4 29.0
 142 75.5 57.7 86.5



#40
 1,1'-Biphenyl
 Concen: 1.368 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

Tgt Ion:154 Resp: 90611
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.6 49.0
 76 12.5 10.4 15.6





#44

Dimethylphthalate

Concen: 12.240 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

BNA_N

ClientSampleId :

GAJ88MSD

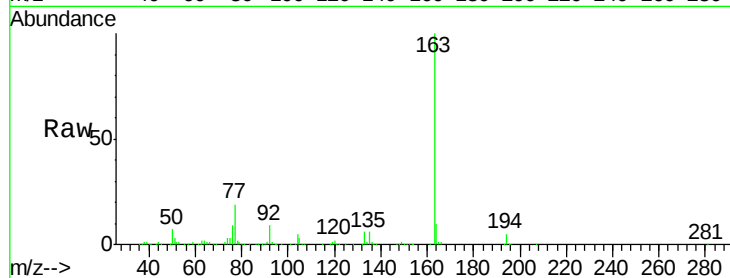
Tgt Ion:163 Resp: 786938

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.0

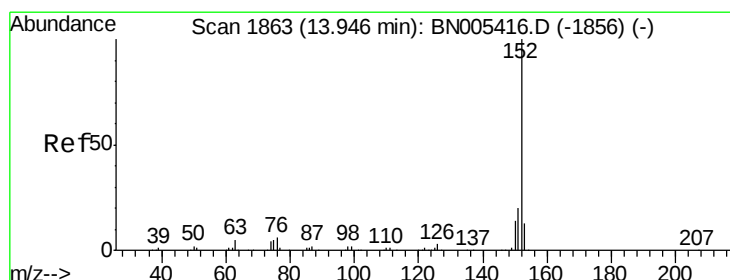
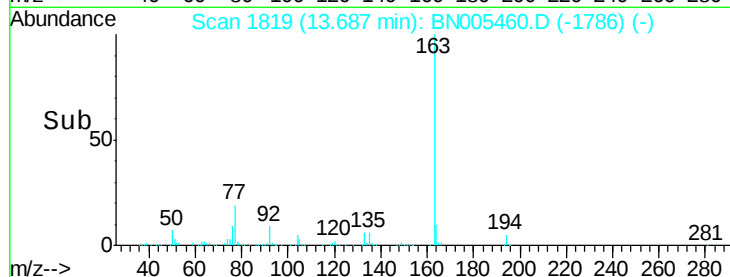
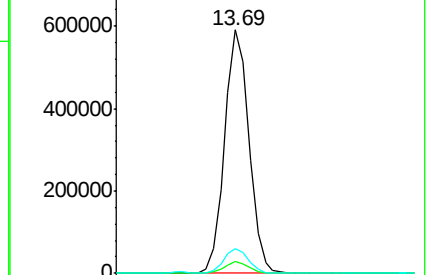
164 10.1 8.1 12.1



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: 1.191 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

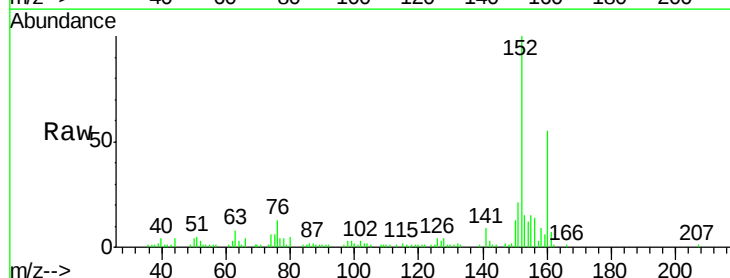
Tgt Ion:152 Resp: 92730

Ion Ratio Lower Upper

152 100

151 20.7 15.8 23.8

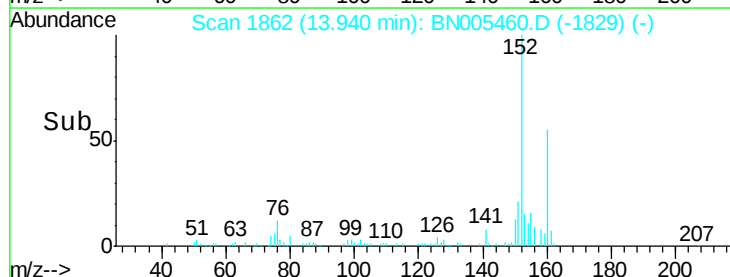
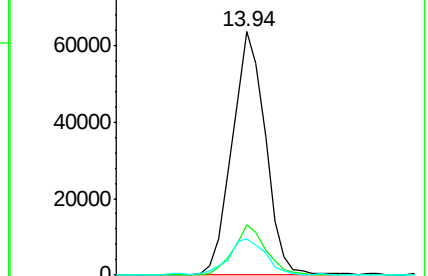
153 15.1 9.8 14.8#

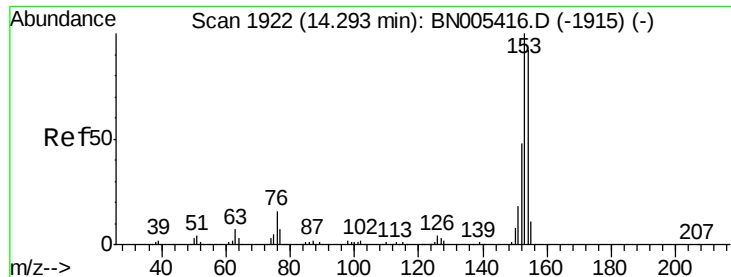


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 35.240 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

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GAJ88MSD

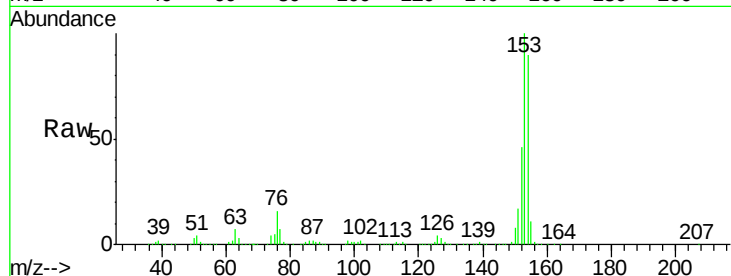
Tgt Ion:153 Resp: 1873675

Ion Ratio Lower Upper

153 100

152 46.2 37.4 56.0

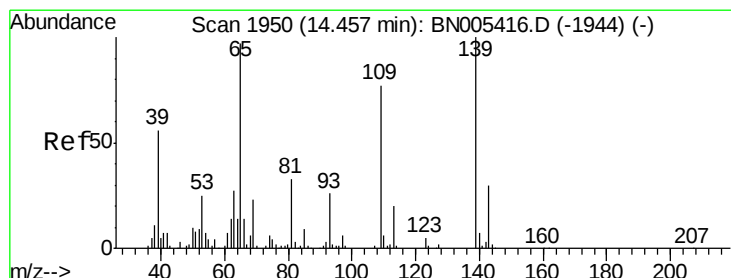
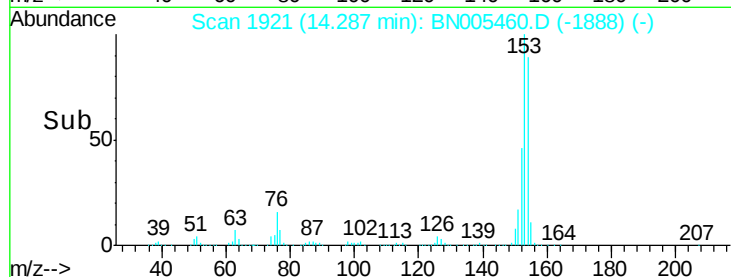
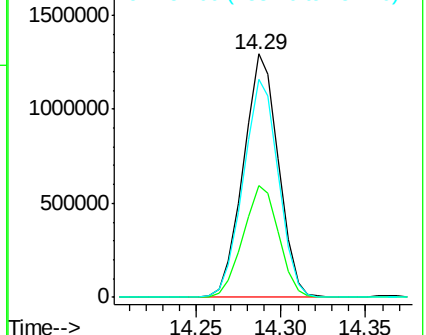
154 89.5 71.2 106.8



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



#52

4-Nitrophenol

Concen: 31.081 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

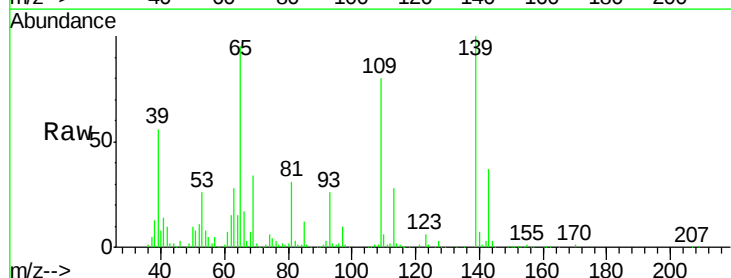
Tgt Ion:109 Resp: 287431

Ion Ratio Lower Upper

109 100

139 125.4 92.3 138.5

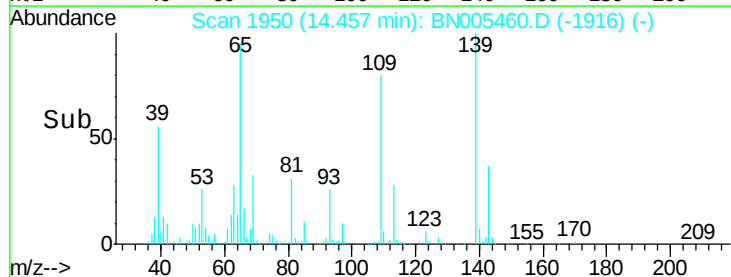
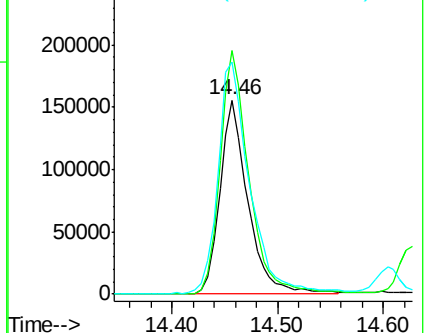
65 119.7 97.5 146.3

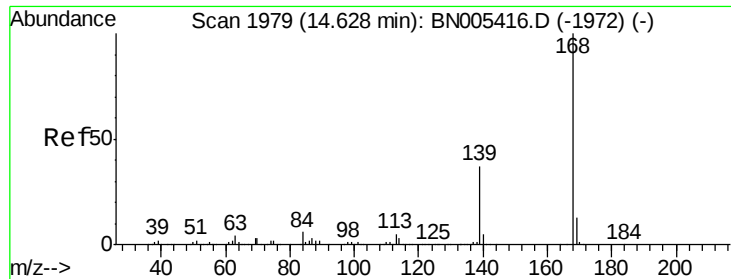


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





#53

Dibenzenofuran

Concen: 2.011 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

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ClientSampleId :

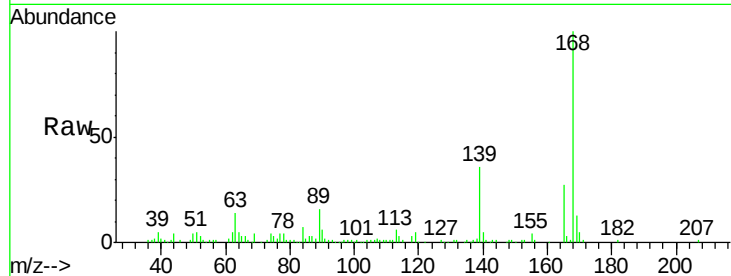
GAJ88MSD

Tgt Ion:168 Resp: 153968

Ion Ratio Lower Upper

168 100

139 36.4 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

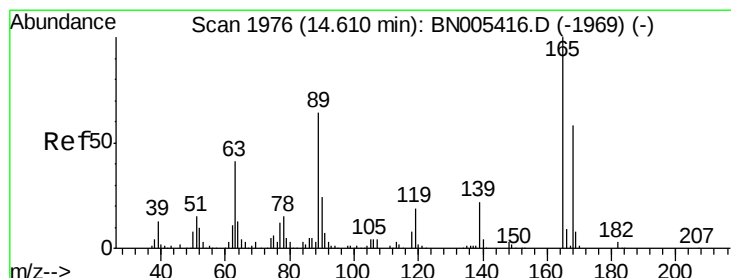
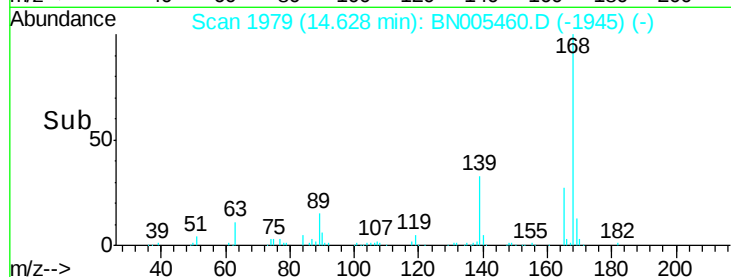
60000

40000

20000

0

Time--> 14.55 14.60 14.65



#54

2,4-Dinitrotoluene

Concen: 42.649 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

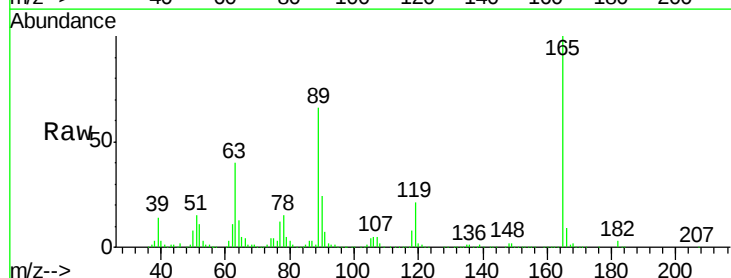
Tgt Ion:165 Resp: 682552

Ion Ratio Lower Upper

165 100

63 39.7 38.9 58.3

182 3.2 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

600000

500000

400000

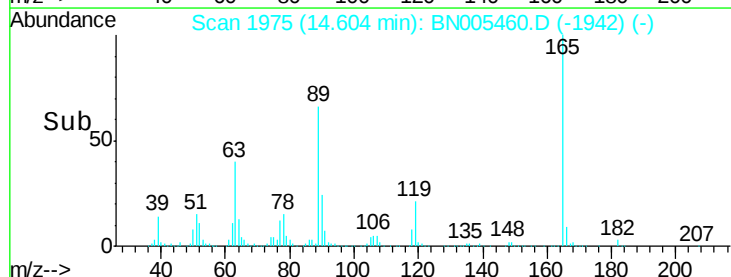
300000

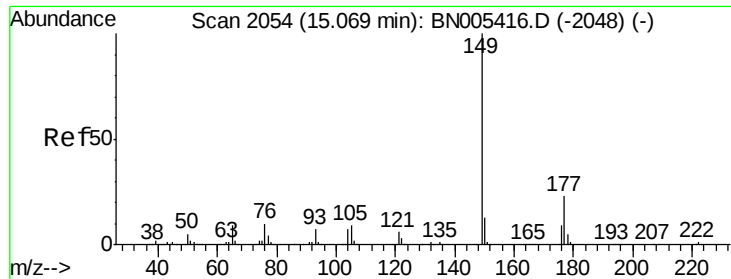
200000

100000

0

Time--> 14.60 14.70

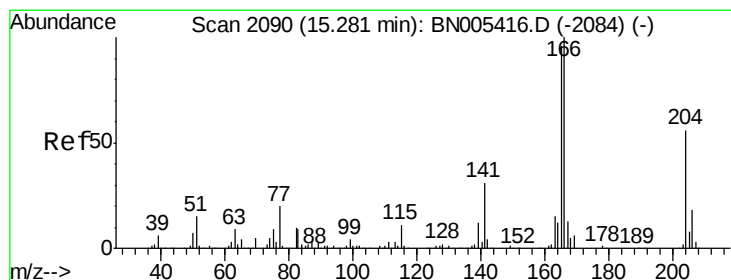
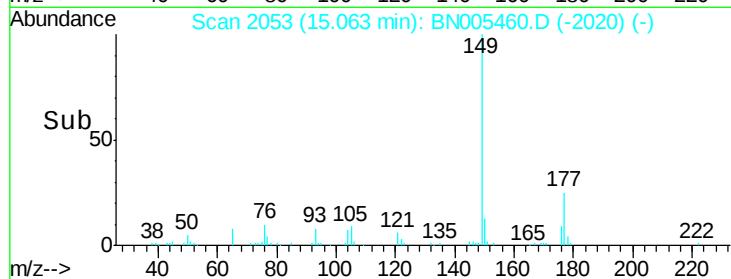
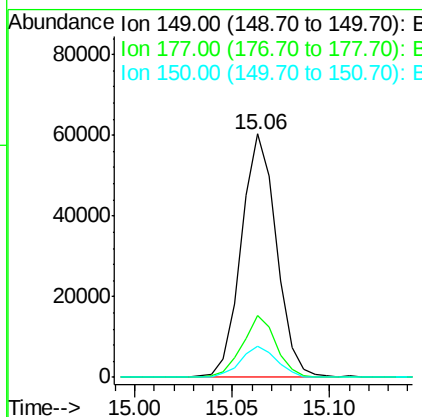
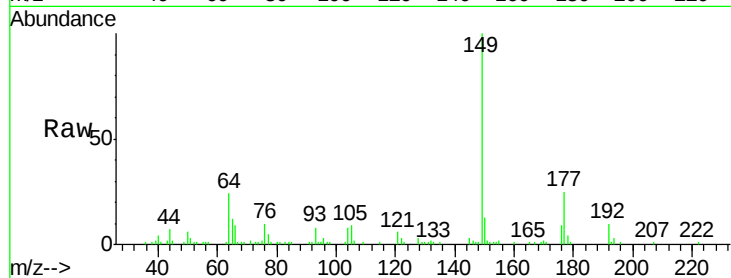




#56
Diethylphthalate
Concen: 1.168 ng/ul
RT: 15.06 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BN005460.D
Acq: 03 May 2019 19:55

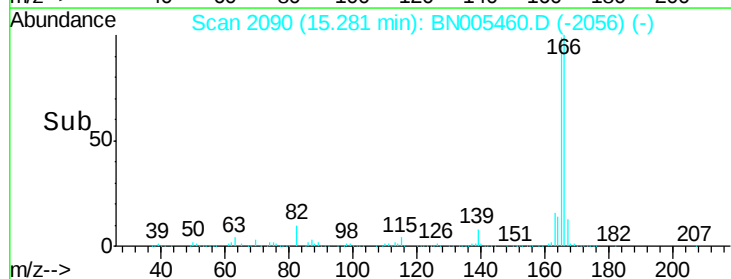
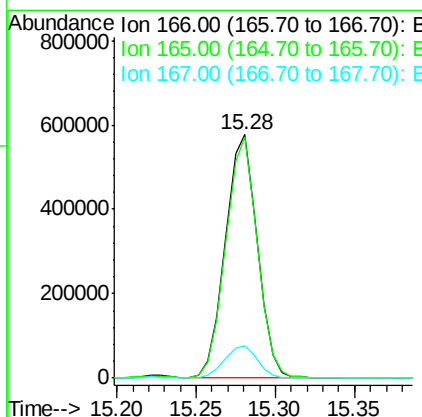
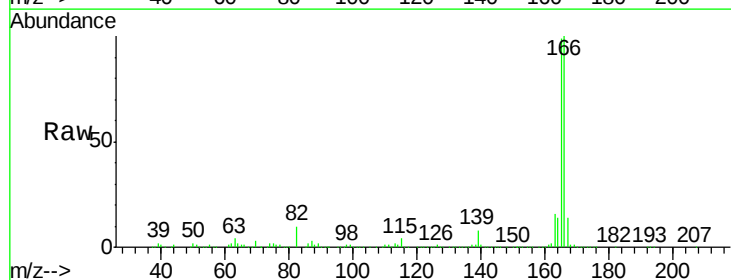
Instrument :
BNA_N
ClientSampleId :
GAJ88MSD

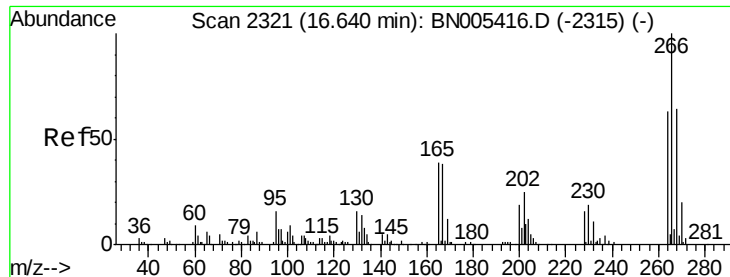
Tgt Ion:149 Resp: 75288
Ion Ratio Lower Upper
149 100
177 25.1 17.7 26.5
150 12.7 10.0 15.0



#58
Fluorene
Concen: 13.507 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BN005460.D
Acq: 03 May 2019 19:55

Tgt Ion:166 Resp: 806859
Ion Ratio Lower Upper
166 100
165 99.2 80.0 120.0
167 13.6 10.7 16.1

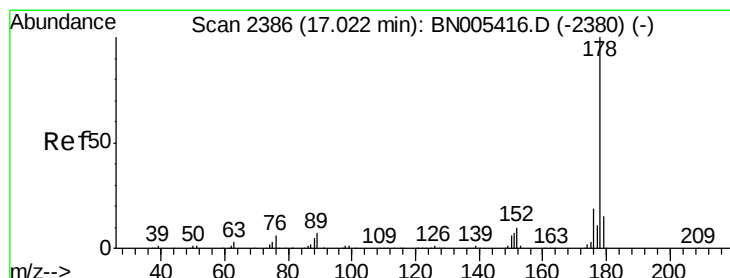
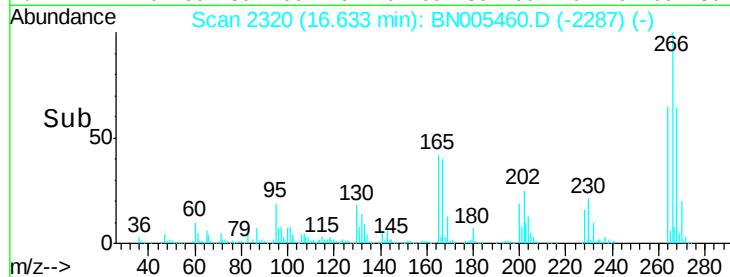
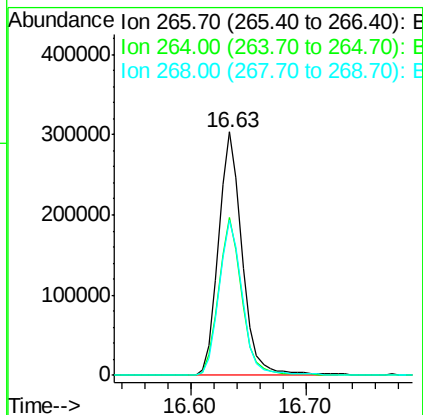
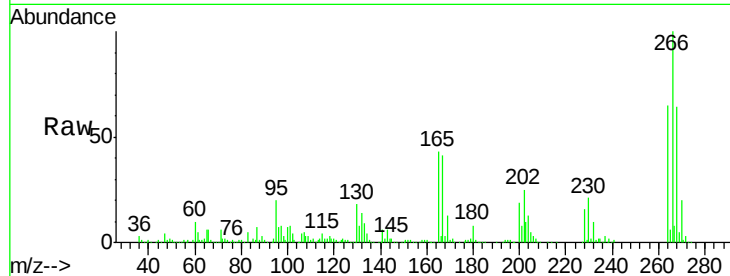




#68
 Pentachlorophenol
 Concen: 33.453 ng/ul
 RT: 16.63 min Scan# 2320
 Delta R.T. -0.01 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

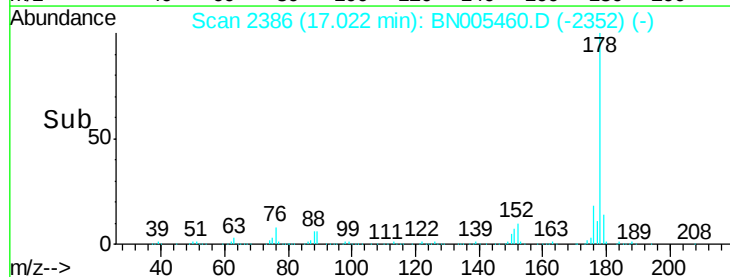
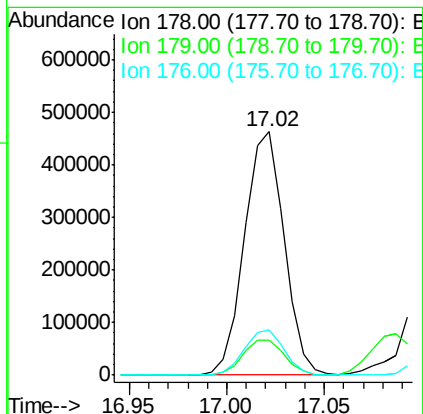
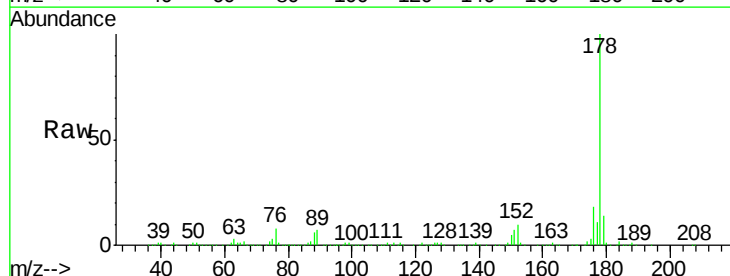
Instrument :
 BNA_N
 ClientSampleId :
 GAJ88MSD

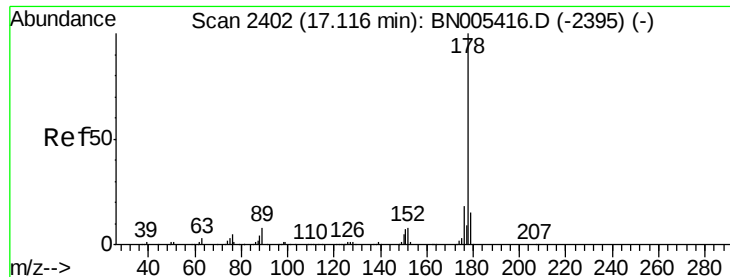
Tgt Ion:266 Resp: 430934
 Ion Ratio Lower Upper
 266 100
 264 64.8 49.7 74.5
 268 63.7 52.4 78.6



#69
 Phenanthrene
 Concen: 6.522 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

Tgt Ion:178 Resp: 651452
 Ion Ratio Lower Upper
 178 100
 179 14.3 12.2 18.4
 176 18.3 15.1 22.7

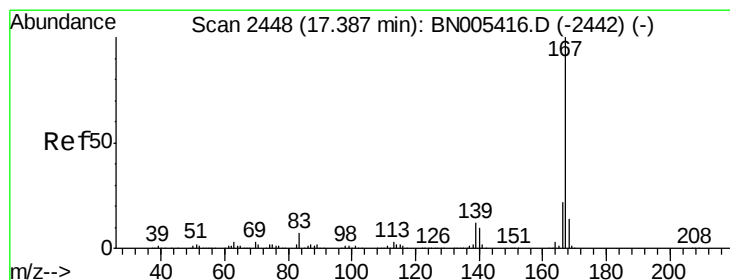
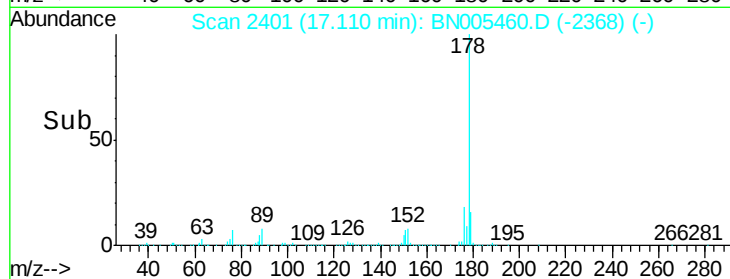
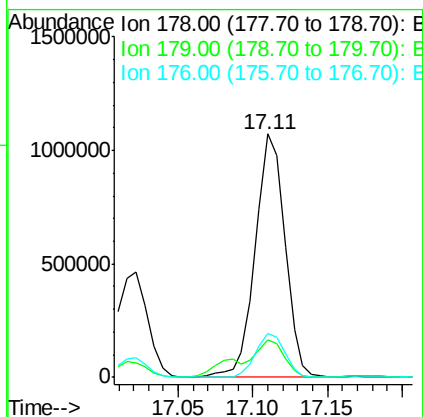
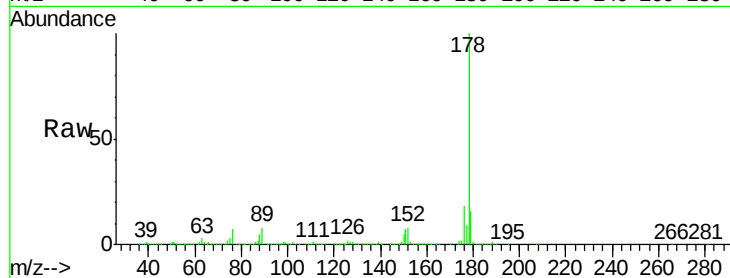




#71
 Anthracene
 Concen: 14.480 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

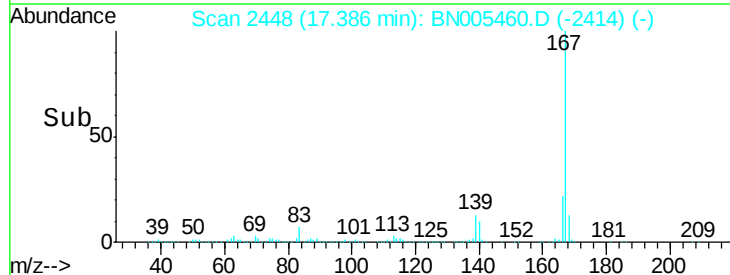
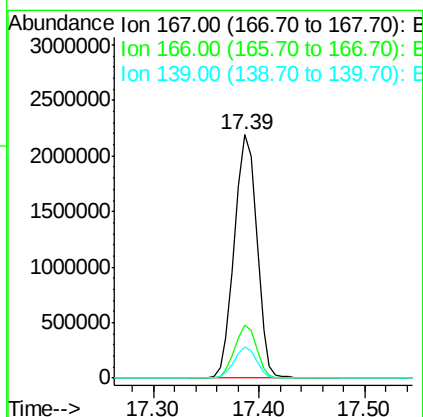
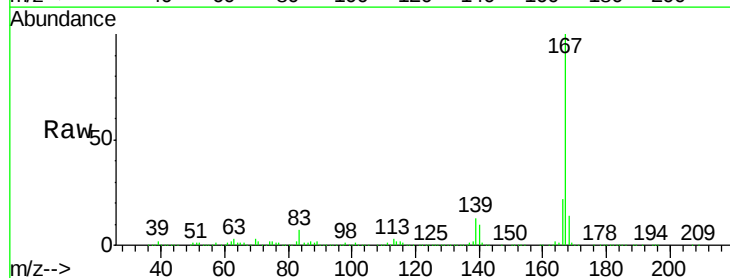
Instrument :
 BNA_N
 ClientSampleId :
 GAJ88MSD

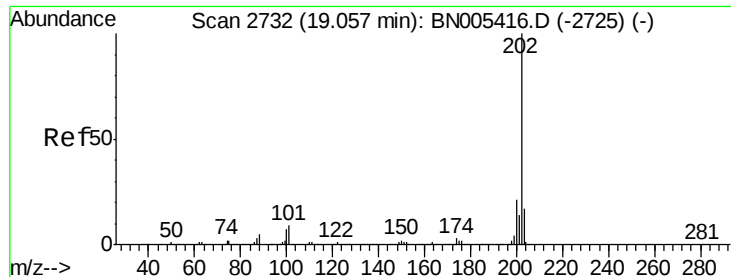
Tgt Ion:178 Resp: 1473278
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 17.9 15.1 22.7



#74
 Carbazole
 Concen: 37.094 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BN005460.D
 Acq: 03 May 2019 19:55

Tgt Ion:167 Resp: 3242155
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 12.7 10.6 16.0





#76

Fluoranthene

Concen: 1.807 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

Instrument :

BNA_N

ClientSampleId :

GAJ88MSD

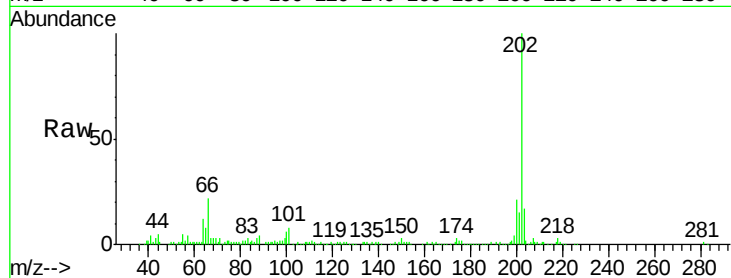
Tgt Ion:202 Resp: 200214

Ion Ratio Lower Upper

202 100

101 7.7 8.6 12.8#

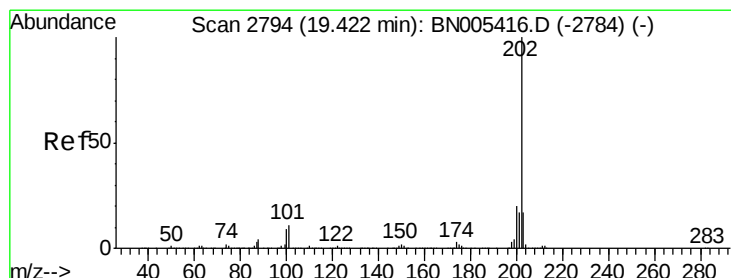
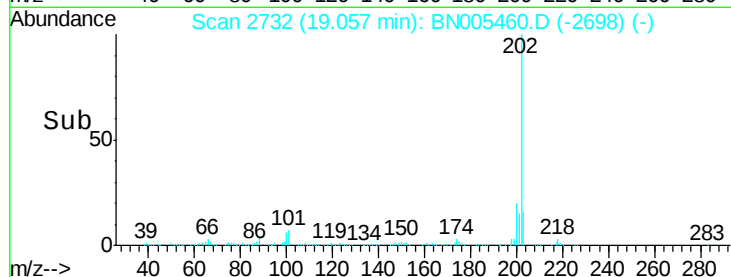
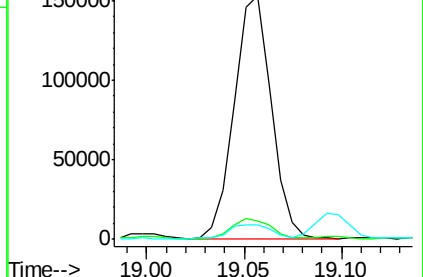
100 6.0 6.3 9.5#



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: 38.147 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005460.D

Acq: 03 May 2019 19:55

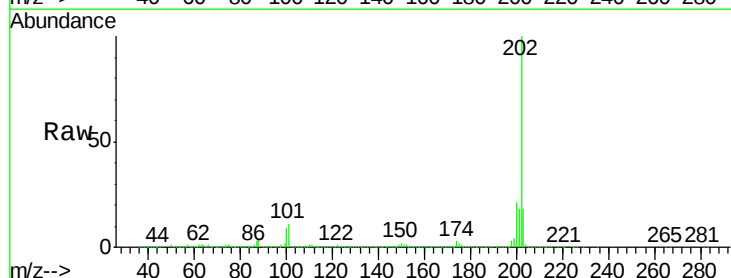
Tgt Ion:202 Resp: 4371006

Ion Ratio Lower Upper

202 100

101 10.7 10.3 15.5

100 8.9 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

