

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\
 Data File : BN006462.D
 Acq On : 21 Jun 2019 11:32
 Operator : JU/SJ
 Sample : K3360-23
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41T1

Manual Integrations
 APPROVED

mohammad
 6/21/2019 10:00:37 PM

Quant Time: Jun 21 12:26:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 06:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	244601	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1155288	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	702558	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1569249	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1502438	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	1516186	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	31297	5.00	ng/uL	0.00
5) Phenol-d5	6.80	99	774235	29.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	475136	29.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	566663	29.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	607957	29.43	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	283418	30.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	317531	31.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	635774	32.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	805103	36.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	1913186	31.07	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	2341102	31.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	319889	30.41	ng/ul	0.00
57) Fluorene-d10	15.28	176	1669909	31.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	239336	24.10	ng/ul	0.00
70) Anthracene-d10	17.14	188	2598420	32.89	ng/ul	0.00
78) Pyrene-d10	19.45	212	2895548	32.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	2821567	32.95	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.83	94	1162750	46.307	ng/ul 99
20) Nitrobenzene	8.82	77	921879	41.297	ng/ul 98
21) Isophorone	9.34	82	2450045	53.101	ng/ul 99
27) 2,4-Dichlorophenol	10.06	162	1365955	77.177	ng/ul 99
28) Naphthalene	10.46	128	3526717	57.986	ng/ul 100
32) Caprolactam	11.33	113	131180m	19.302	ng/ul
38) 2,4,6-Trichlorophenol	12.70	196	930506	68.710	ng/ul 99
41) 2-Chloronaphthalene	13.15	162	2672211	61.990	ng/ul 98
56) Diethylphthalate	15.12	149	3328165	58.029	ng/ul 99
64) N-Nitrosodiphenylamine	15.55	169	1657751	35.073	ng/ul 99
66) Hexachlorobenzene	16.35	284	687456	38.149	ng/ul 99
67) Atrazine	16.51	200	803831	49.351	ng/ul 98
69) Phenanthrene	17.08	178	3665219	42.346	ng/ul 99
74) Carbazole	17.45	167	5189390	68.436	ng/ul 99
80) Butylbenzylphthalate	20.39	149	1975898	43.079	ng/ul 98
84) Chrysene	21.30	228	4215474	43.132	ng/ul 99
86) Di-n-octyl phthalate	22.05	149	7015490	72.011	ng/ul 100
87) Benzo(b)fluoranthene	22.83	252	5282848	58.056	ng/ul 99
88) Benzo(k)fluoranthene	22.87	252	3965782	45.601	ng/ul 99
93) Benzo(g,h,i)perylene	26.42	276	4121551	47.390	ng/ul 99

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

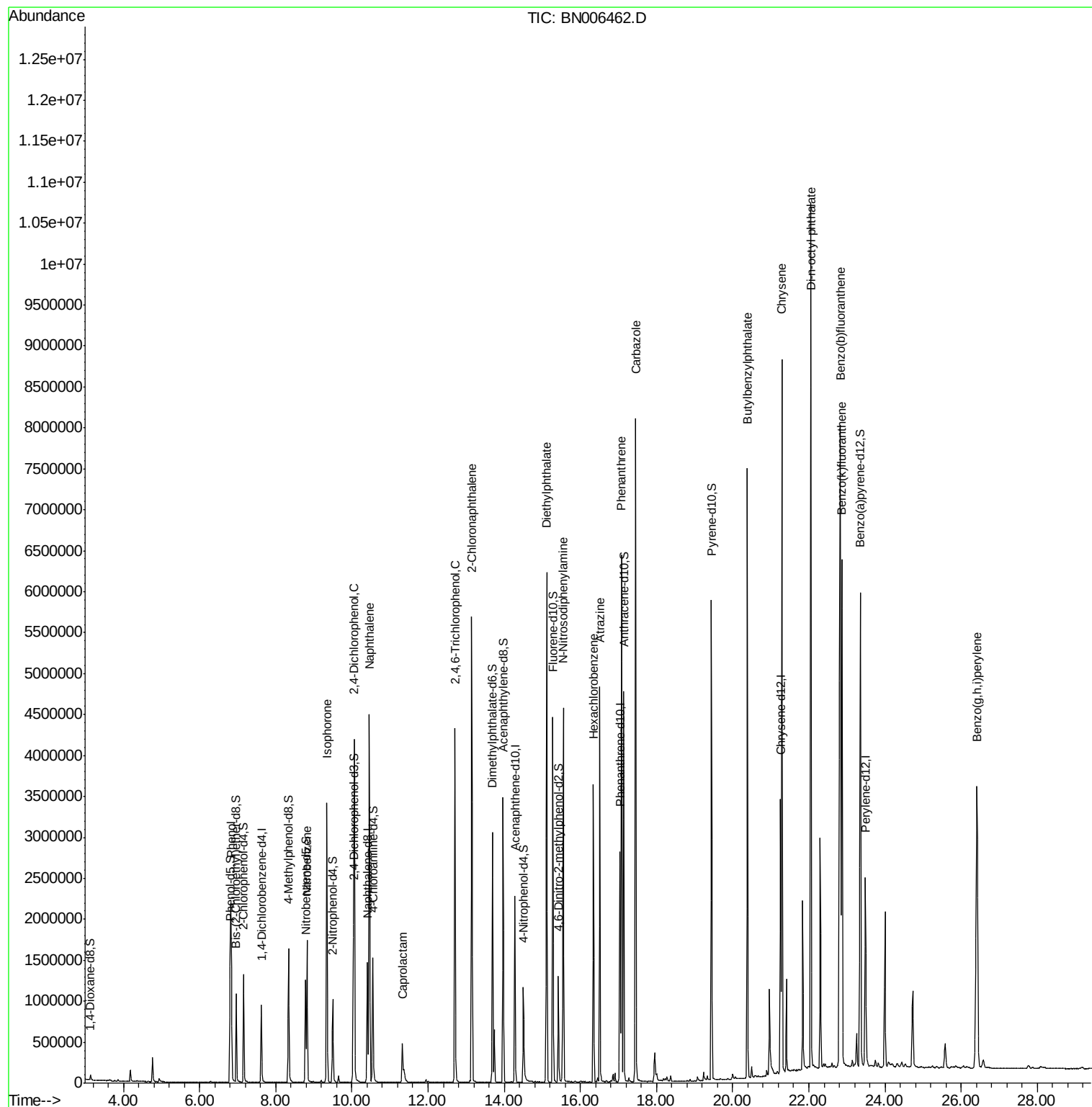
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\
Data File : BN006462.D
Acq On : 21 Jun 2019 11:32
Operator : JU/SJ
Sample : K3360-23
Misc :
ALS Vial : 67 Sample Multiplier: 1

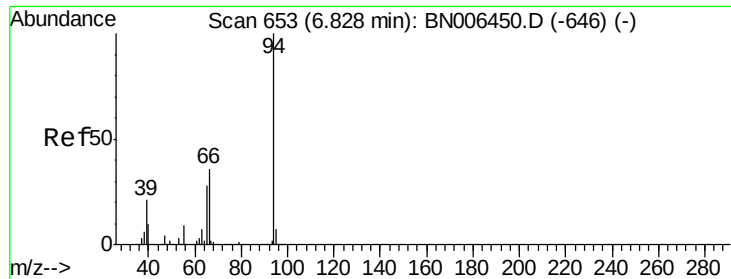
Instrument :
BNA_N
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A41T1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 06:31:50 2019
Response via : Initial Calibration





#6

Phenol

Concen: 46.307 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampled :

A41T1

Tot Ion: 94 Resp: 1162750

Ion Ratio Lower Upper

94 100

65 28.7 22.5 33.7

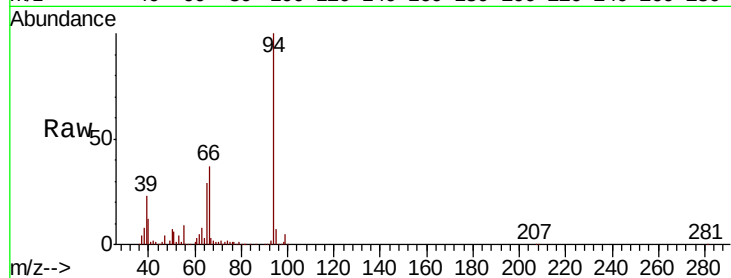
66 37.0 29.5 44.3

Manual Integrations

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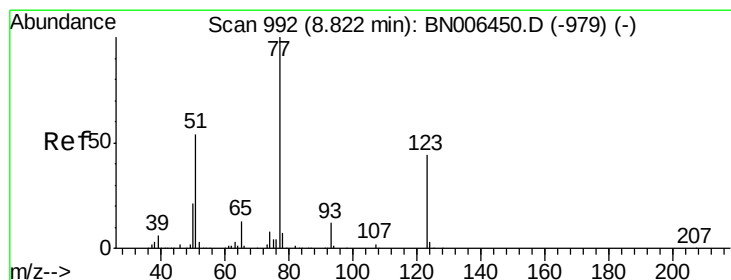
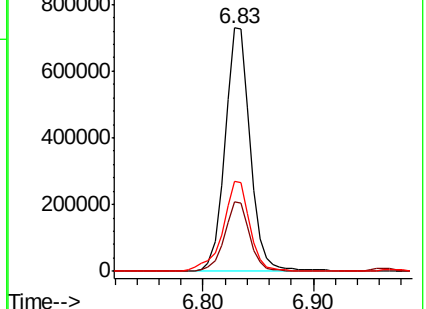
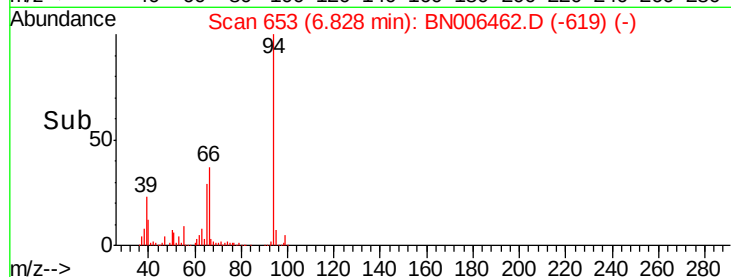


Abundance Ion 94.00 (93.70 to 94.70): BN006450.D (-646) (-)

Ion 65.00 (64.70 to 65.70): BN006450.D (-646) (-)

Ion 66.00 (65.70 to 66.70): BN006450.D (-646) (-)

Time-->



#20

Nitrobenzene

Concen: 41.297 ng/ul

RT: 8.82 min Scan# 992

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

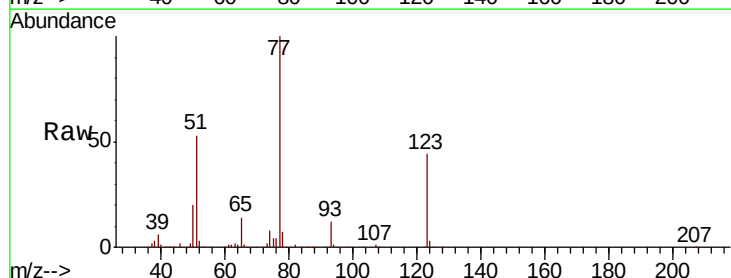
Tgt Ion: 77 Resp: 921879

Ion Ratio Lower Upper

77 100

123 43.6 33.7 50.5

65 13.8 10.6 15.8

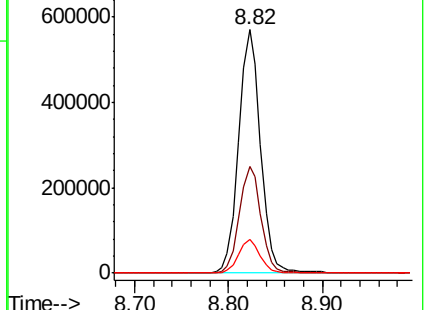
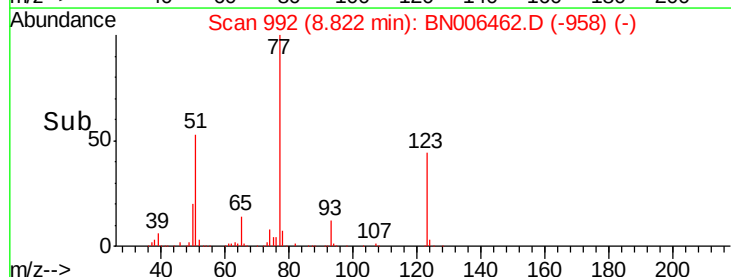


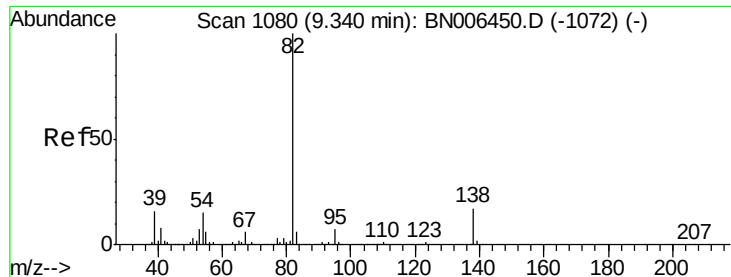
Abundance Ion 77.00 (76.70 to 77.70): BN006450.D (-979) (-)

Ion 123.00 (122.70 to 123.70): BN006450.D (-979) (-)

Ion 65.00 (64.70 to 65.70): BN006450.D (-979) (-)

Time-->





#21

Isophorone

Concen: 53.101 ng/ul

RT: 9.34 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampleId :

A41T1

Tot Ion: 82 Resp: 2450045

Ion Ratio Lower Upper

82 100

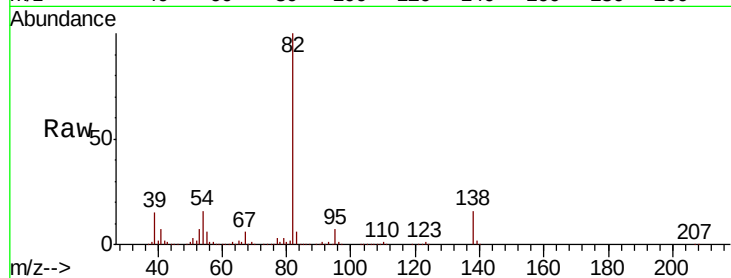
95 7.0 5.4 8.0

138 16.4 13.7 20.5

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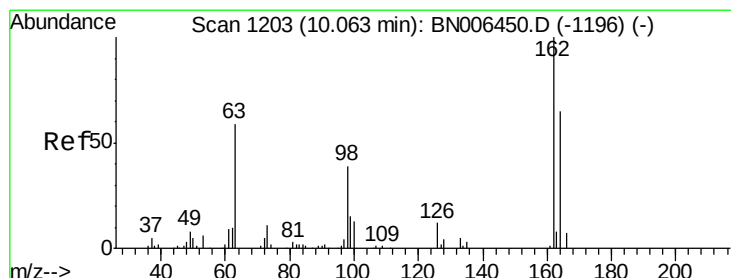
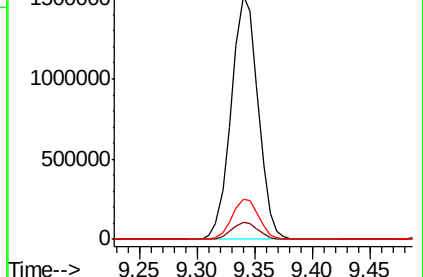
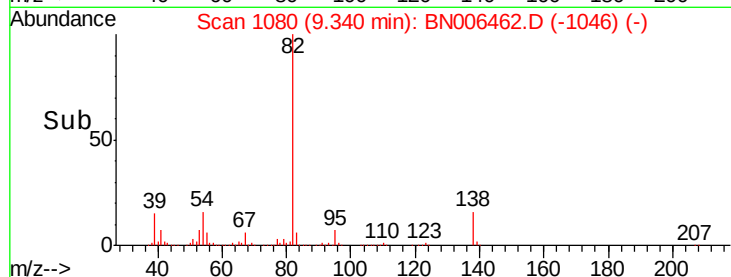
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Abundance Ion 82.00 (81.70 to 82.70): BN006450.D (-1072) (-)

Ion 95.00 (94.70 to 95.70): BN006450.D (-1072) (-)

Ion 138.00 (137.70 to 138.70): BN006450.D (-1072) (-)



#27

2,4-Dichlorophenol

Concen: 77.177 ng/ul

RT: 10.06 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

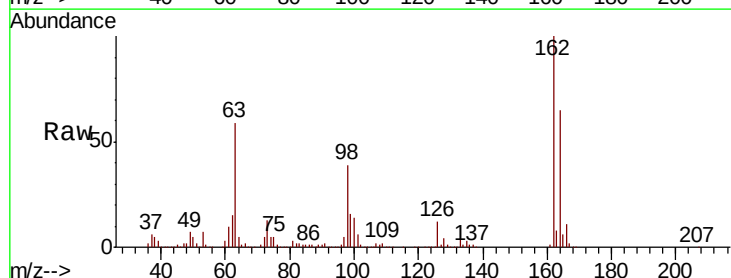
Tgt Ion:162 Resp: 1365955

Ion Ratio Lower Upper

162 100

164 64.6 52.6 79.0

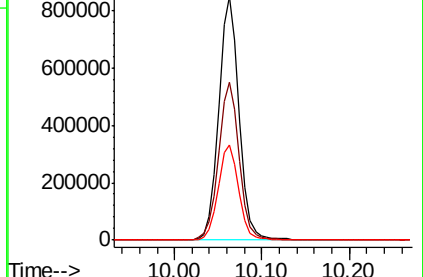
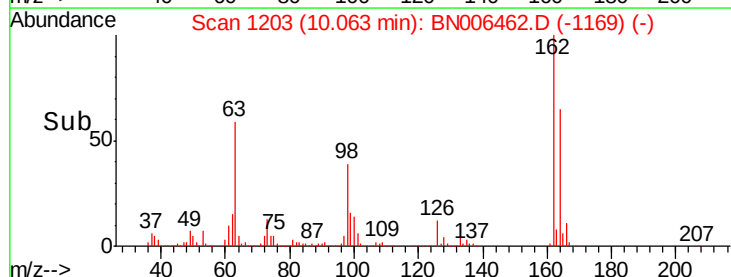
98 39.0 30.9 46.3

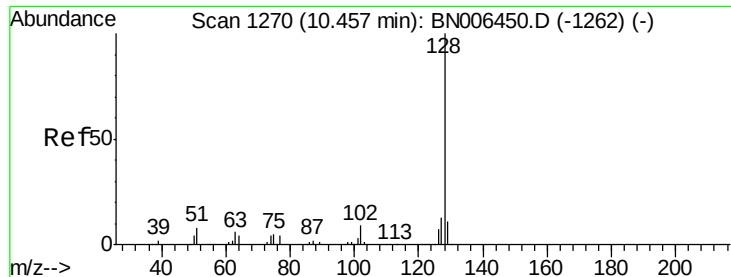


Abundance Ion 162.00 (161.70 to 162.70): BN006450.D (-1196) (-)

Ion 164.00 (163.70 to 164.70): BN006450.D (-1196) (-)

Ion 98.00 (97.70 to 98.70): BN006450.D (-1196) (-)





#28

Naphthalene

Concen: 57.986 ng/ul

RT: 10.46 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampled :

A41T1

Tot Ion:128 Resp: 3526717

Ion Ratio Lower Upper

128 100

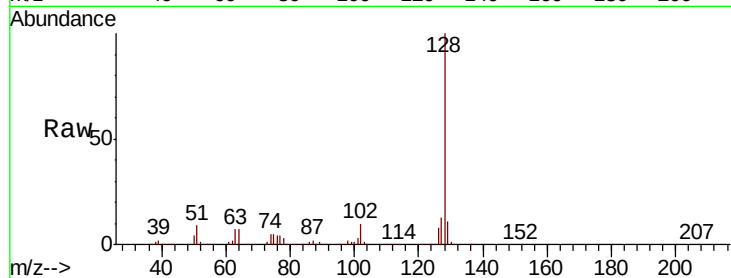
129 10.9 8.8 13.2

127 13.2 10.4 15.6

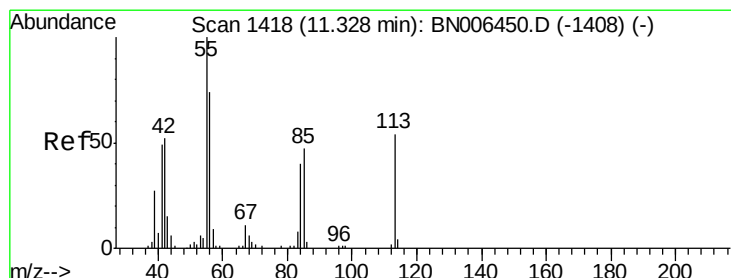
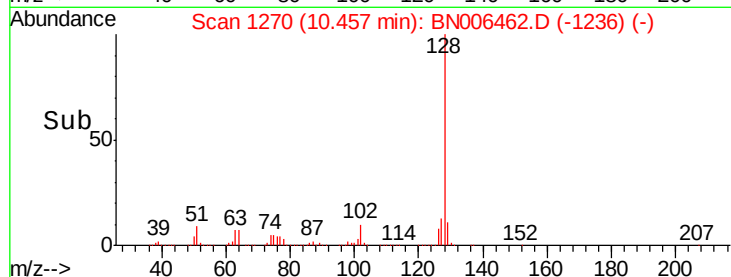
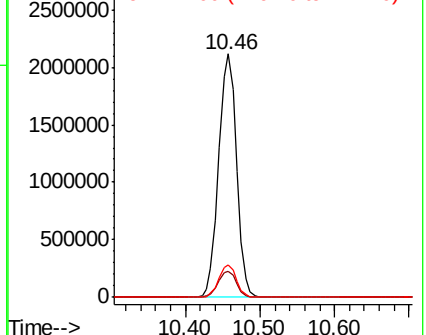
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 19.302 ng/ul m

RT: 11.33 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

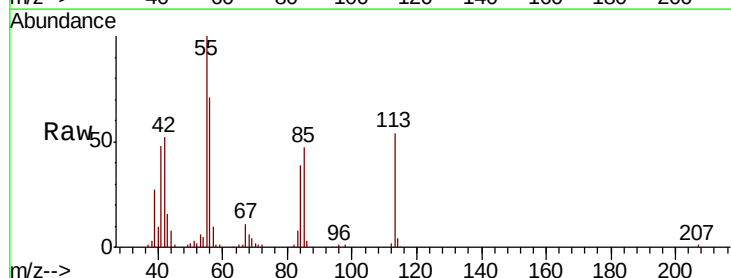
Tgt Ion:113 Resp: 131180

Ion Ratio Lower Upper

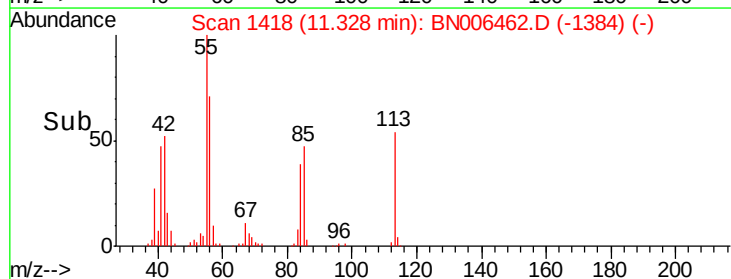
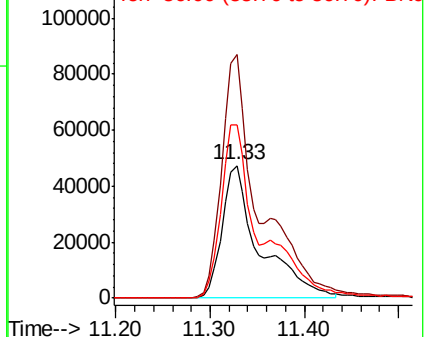
113 100

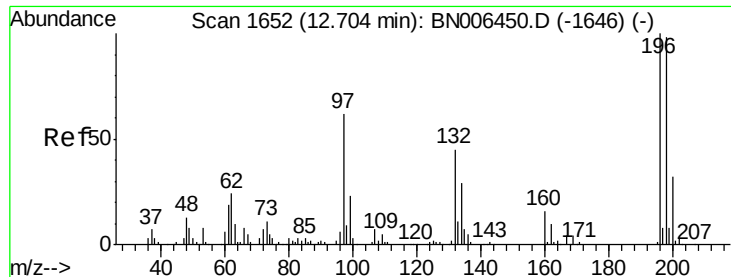
55 184.1 137.3 205.9

56 131.4 102.6 154.0



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BNC
Ion 56.00 (55.70 to 56.70): BNC





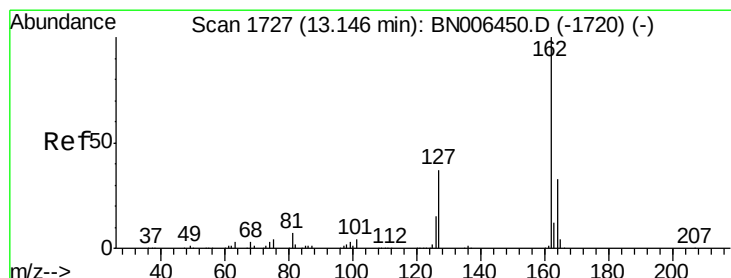
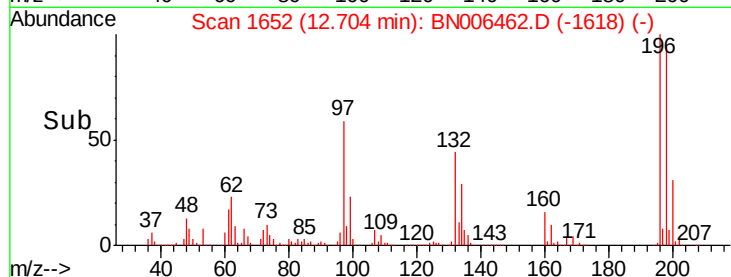
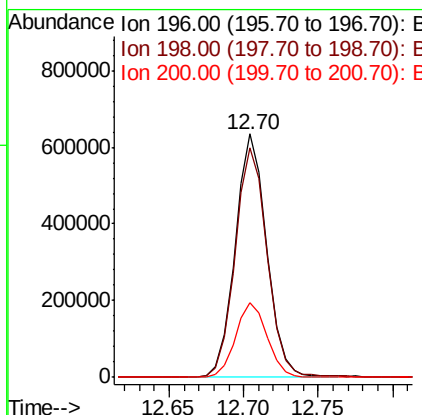
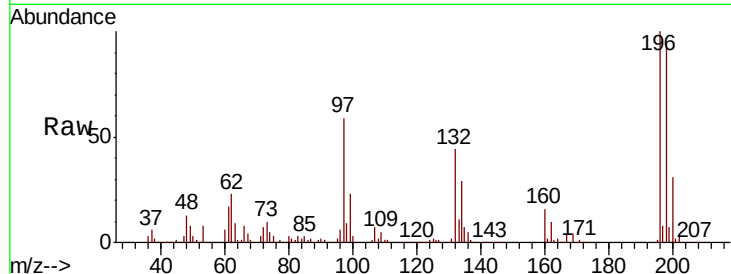
#38
 2,4,6-Trichlorophenol
 Concen: 68.710 ng/ul
 RT: 12.70 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BN006462.D
 Acq: 21 Jun 2019 11:32

Instrument :
 BNA_N
 ClientSampleID :
 A41T1

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.2	76.7	115.1	
200	30.6	24.8	37.2	

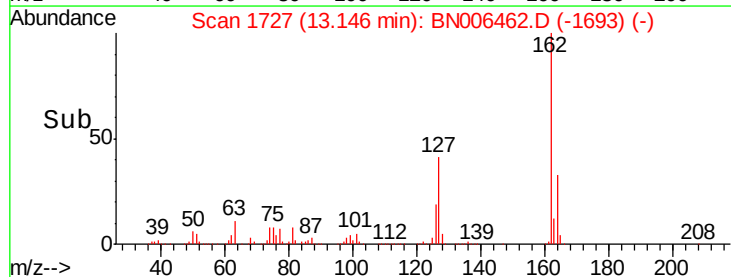
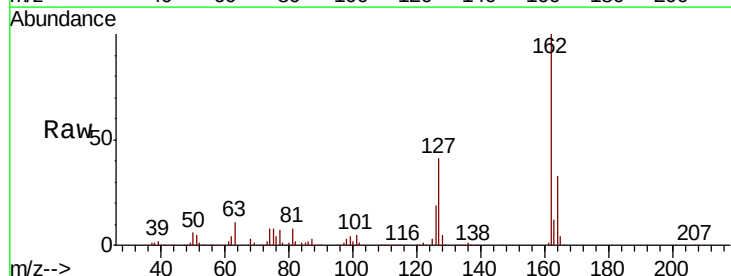
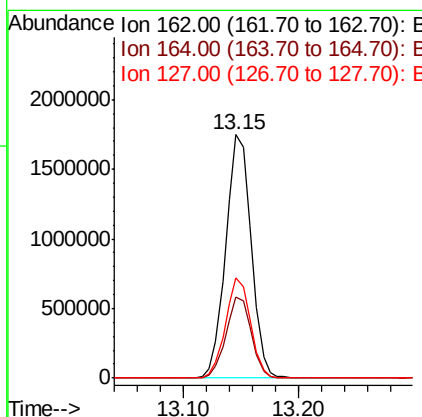
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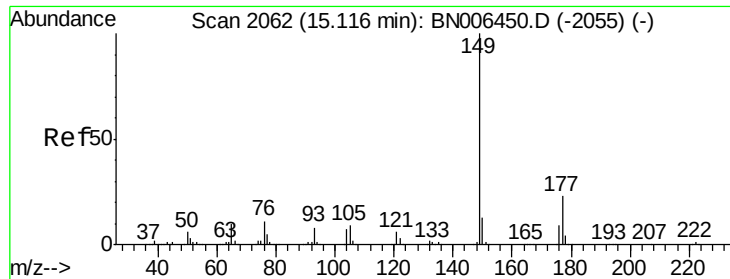
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 6/21/2019 10:00:37 PM



#41
 2-Chloronaphthalene
 Concen: 61.990 ng/ul
 RT: 13.15 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BN006462.D
 Acq: 21 Jun 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	33.3	26.2	39.4	
127	40.9	31.4	47.0	





#56

Diethylphthalate

Concen: 58.029 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampleId :

A41T1

Tot Ion:149 Resp: 3328165

Ion Ratio Lower Upper

149 100

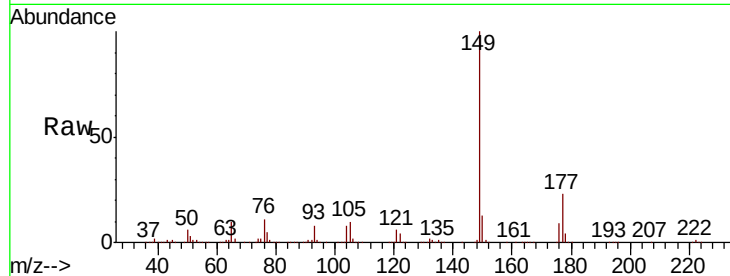
177 22.9 17.9 26.9

150 12.8 10.1 15.1

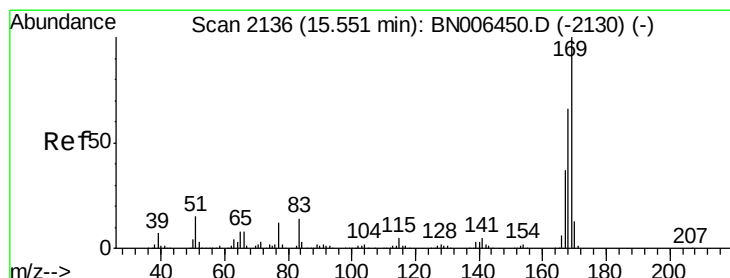
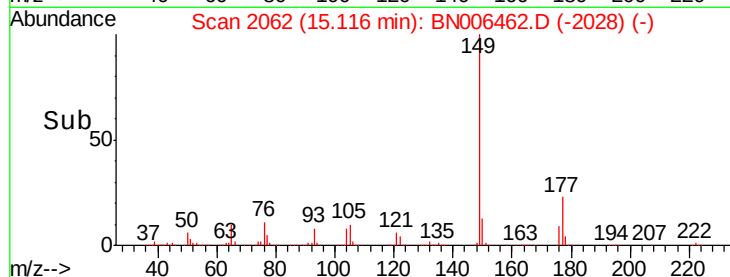
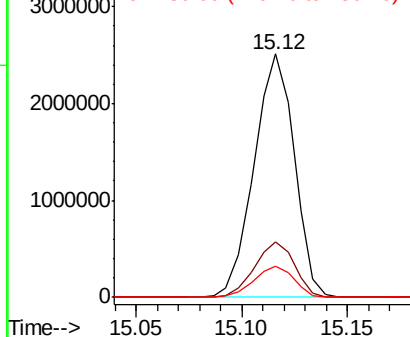
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#64

N-Nitrosodiphenylamine

Concen: 35.073 ng/ul

RT: 15.55 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

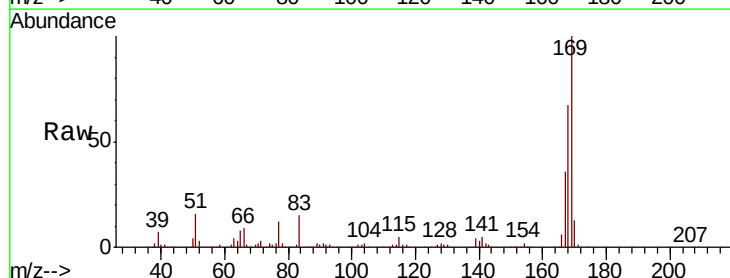
Tgt Ion:169 Resp: 1657751

Ion Ratio Lower Upper

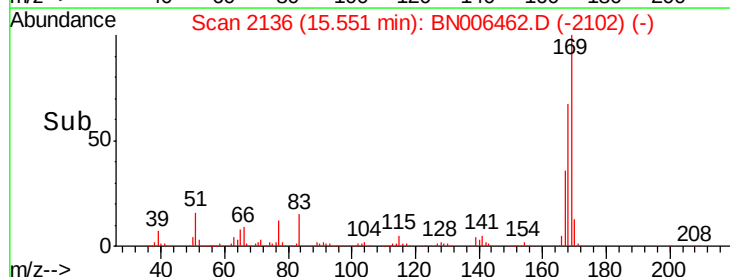
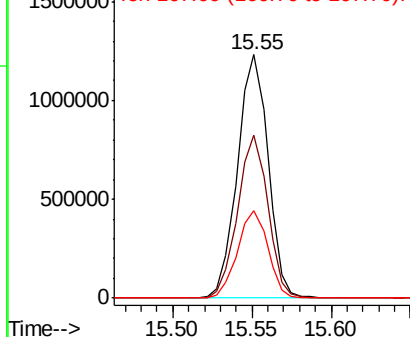
169 100

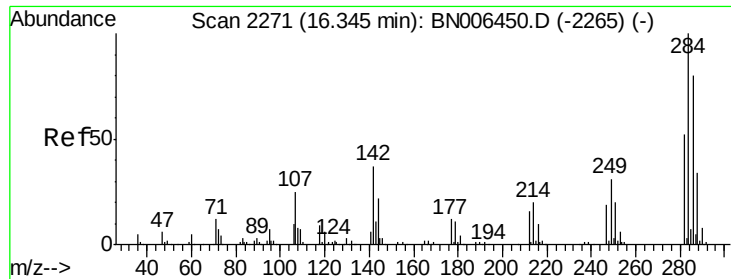
168 66.8 52.1 78.1

167 36.0 28.8 43.2



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#66

Hexachlorobenzene

Concen: 38.149 ng/ul

RT: 16.35 min Scan# 2271

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

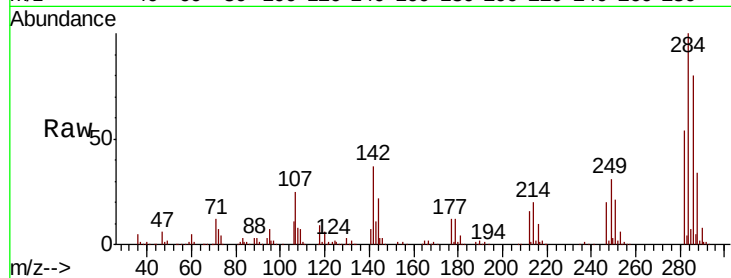
ClientSampleId :

A41T1

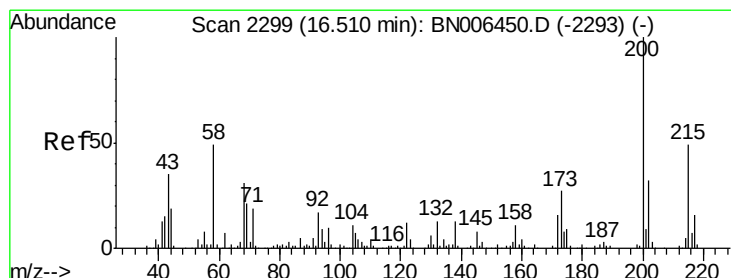
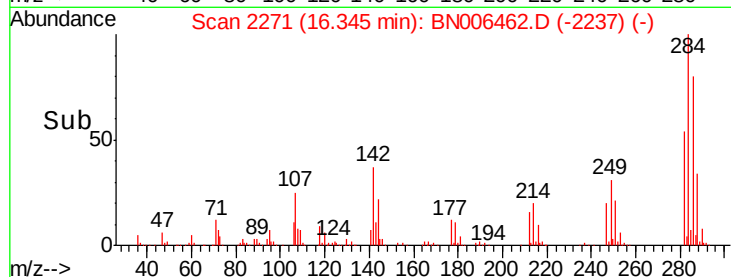
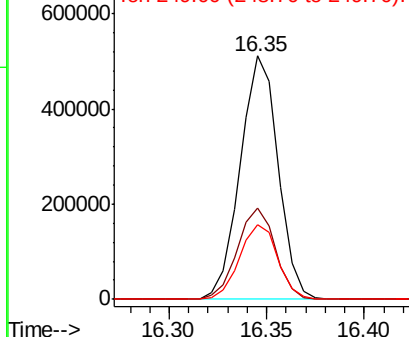
Tot Ion:	284	Resp:	687456
Ion Ratio	Lower	Upper	
284	100		
142	37.3	30.6	45.8
249	30.9	24.7	37.1

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Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#67

Atrazine

Concen: 49.351 ng/ul

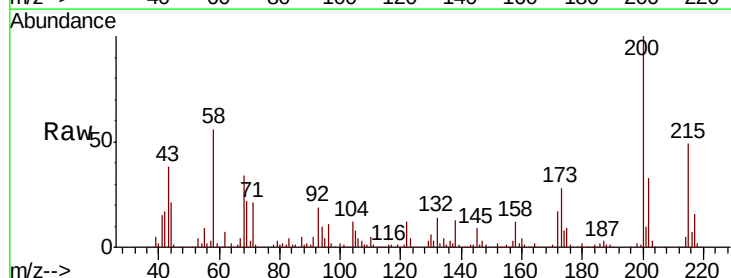
RT: 16.51 min Scan# 2299

Delta R.T. -0.00 min

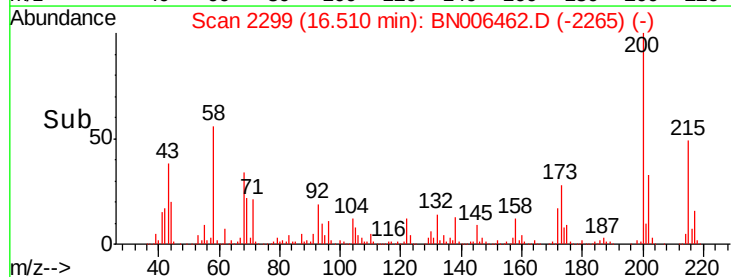
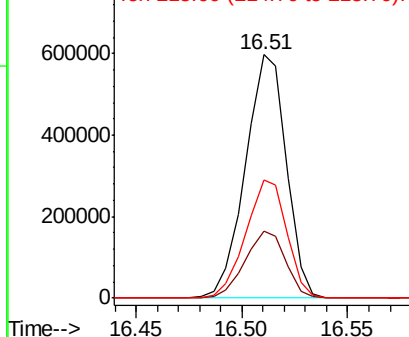
Lab File: BN006462.D

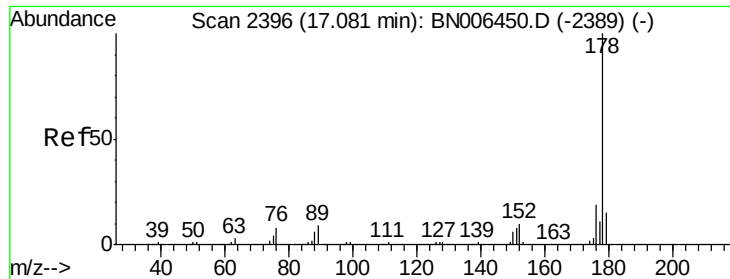
Acq: 21 Jun 2019 11:32

Tgt Ion:	200	Resp:	803831
Ion Ratio	Lower	Upper	
200	100		
173	27.8	22.6	33.8
215	48.7	40.2	60.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Phenanthrene

Concen: 42.346 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampleId :

A41T1

Tot Ion:178 Resp: 3665219

Ion Ratio Lower Upper

178 100

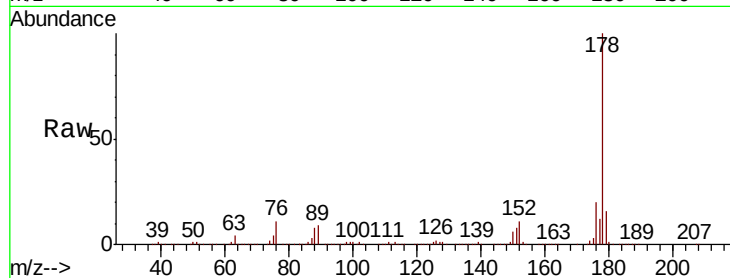
179 15.7 12.5 18.7

176 19.7 15.3 22.9

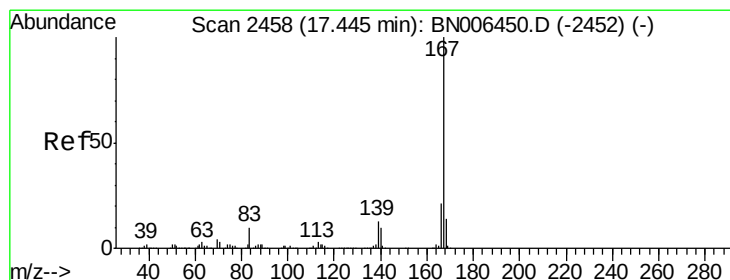
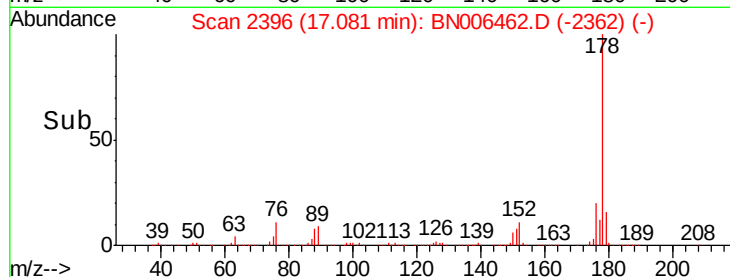
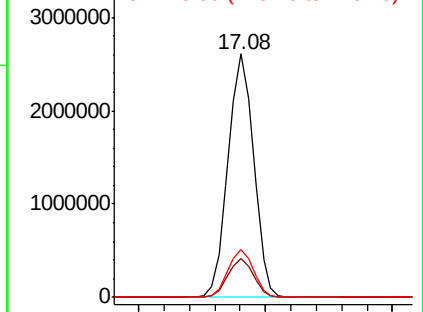
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 68.436 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

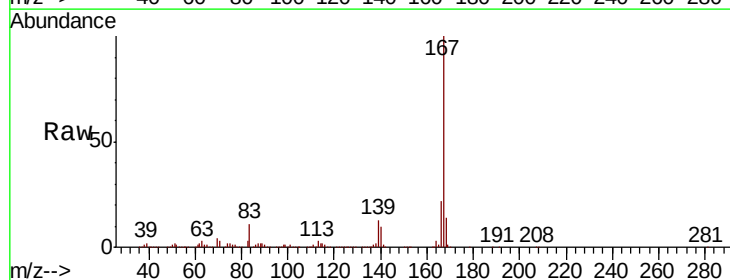
Tgt Ion:167 Resp: 5189390

Ion Ratio Lower Upper

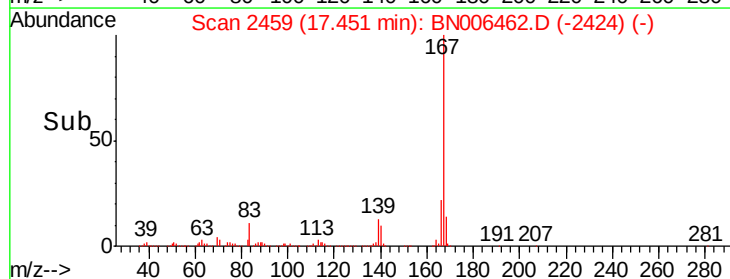
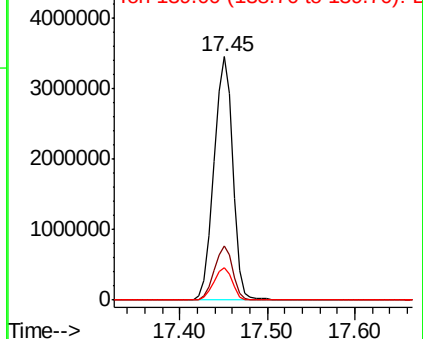
167 100

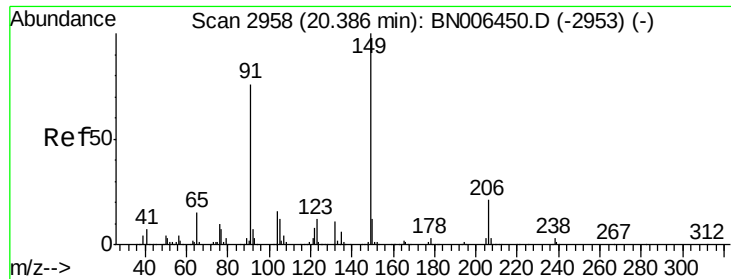
166 22.0 17.1 25.7

139 13.3 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#80

Butylbenzylphthalate

Concen: 43.079 ng/ul

RT: 20.39 min Scan# 2958

Delta R.T. -0.00 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

ClientSampled :

A41T1

Tot Ion:149 Resp: 1975898

Ion Ratio Lower Upper

149 100

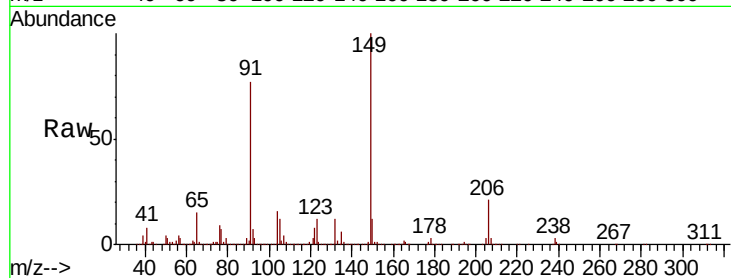
91 76.7 62.7 94.1

206 21.4 16.3 24.5

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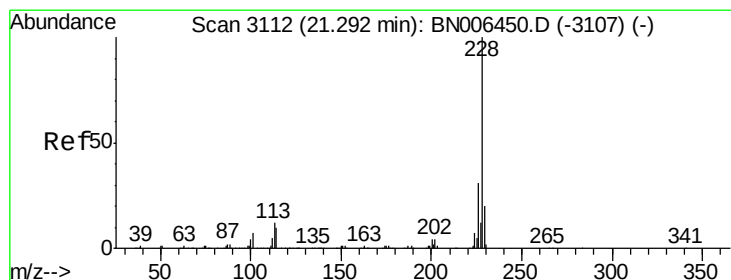
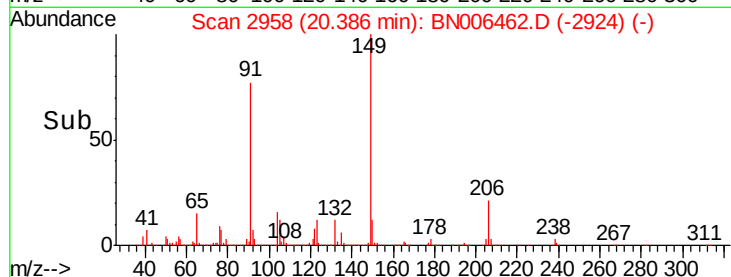
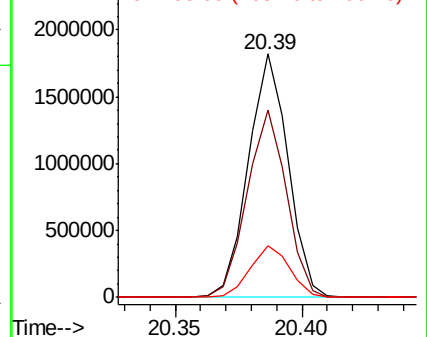
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E



#84

Chrysene

Concen: 43.132 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

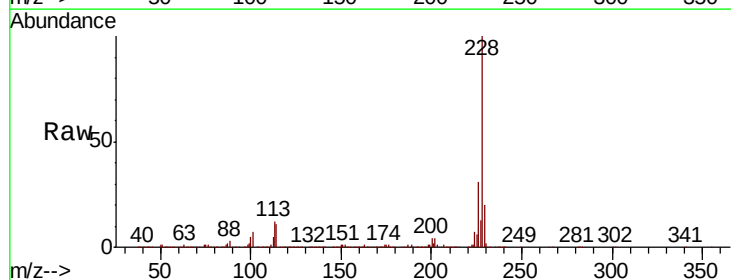
Tgt Ion:228 Resp: 4215474

Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.2

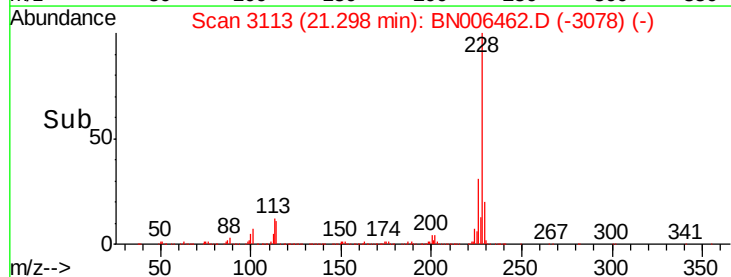
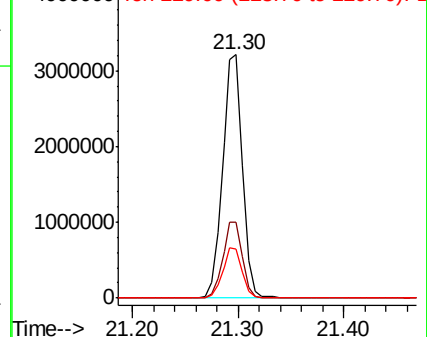
229 20.2 15.9 23.9

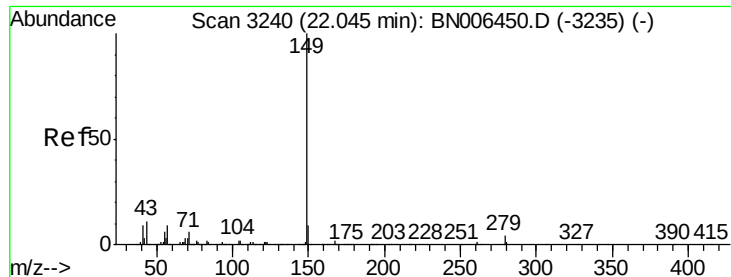


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 72.011 ng/ul

RT: 22.05 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Instrument :

BNA_N

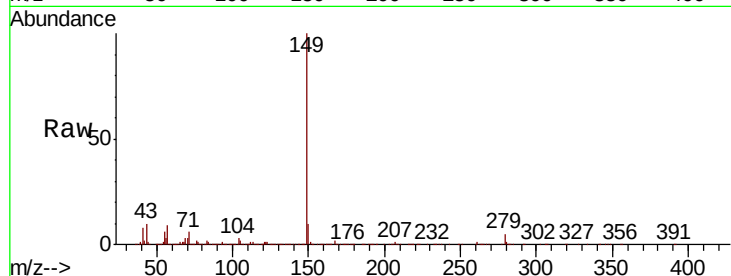
ClientSampleId :

A41T1

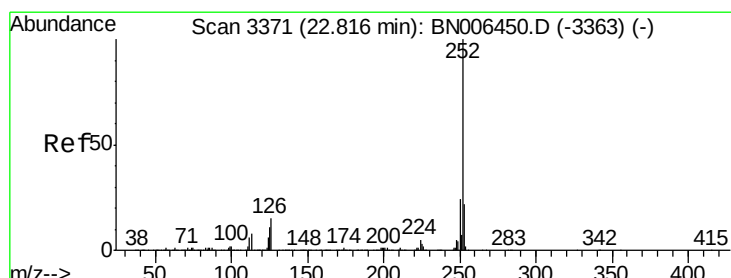
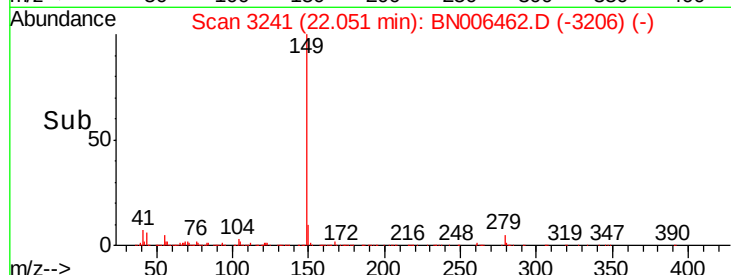
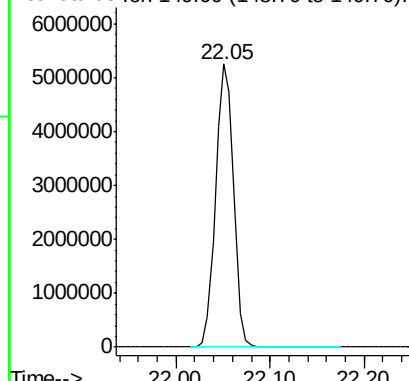
Tgt Ion:149 Resp: 7015490

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Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 58.056 ng/ul

RT: 22.83 min Scan# 3373

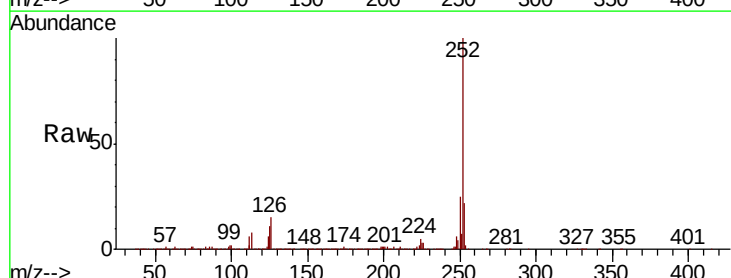
Delta R.T. 0.01 min

Lab File: BN006462.D

Acq: 21 Jun 2019 11:32

Tgt Ion:252 Resp: 5282848

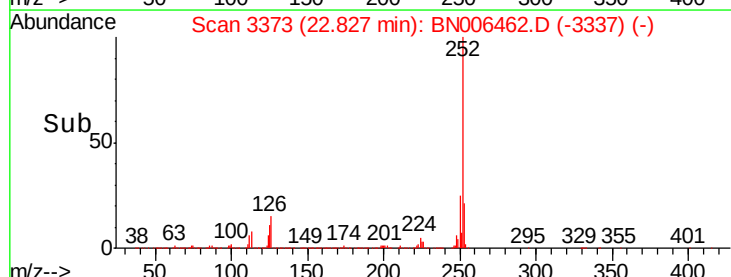
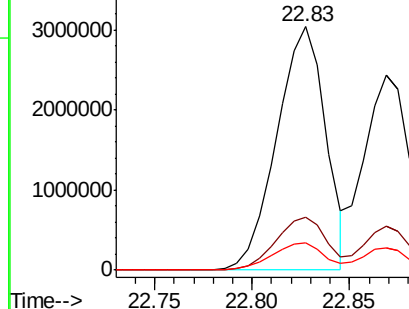
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	11.3	9.0	13.6

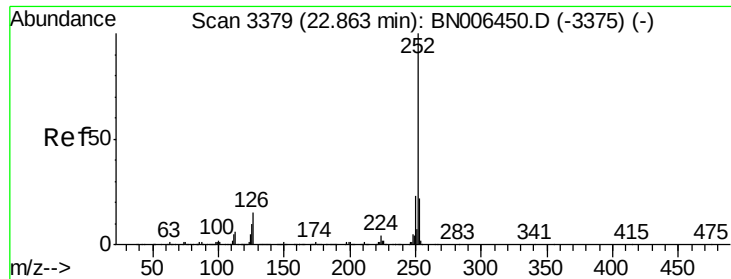


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





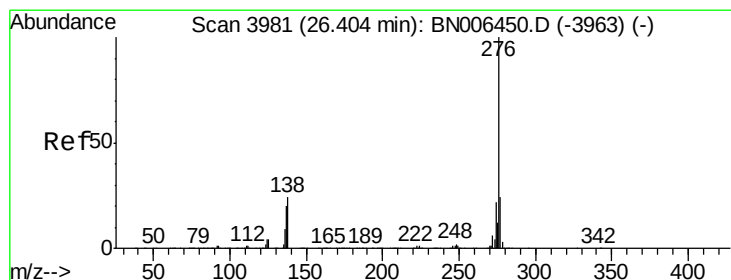
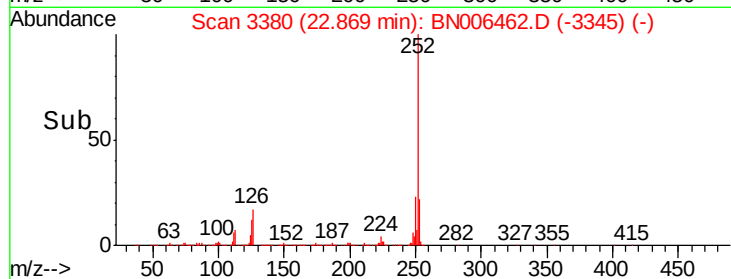
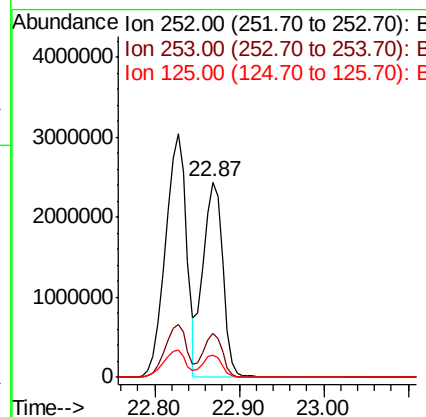
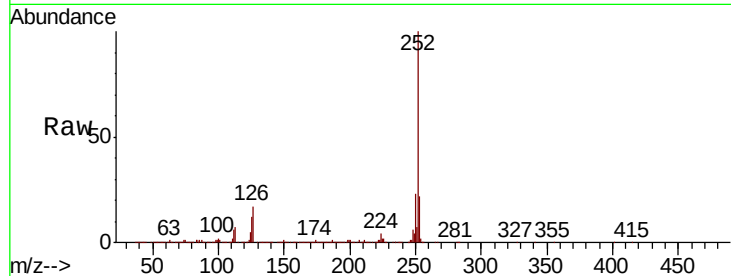
#88
Benzo(k)fluoranthene
Concen: 45.601 ng/ul
RT: 22.87 min Scan# 3380
Delta R.T. 0.01 min
Lab File: BN006462.D
Acq: 21 Jun 2019 11:32

Instrument :
BNA_N
ClientSampleId :
A41T1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.6	9.1	13.7

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#93
Benzo(g,h,i)perylene
Concen: 47.390 ng/ul
RT: 26.42 min Scan# 3983
Delta R.T. 0.01 min
Lab File: BN006462.D
Acq: 21 Jun 2019 11:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.1	28.7
277	23.5	19.4	29.0

