

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062219\
 Data File : BN006485.D
 Acq On : 22 Jun 2019 12:55
 Operator : HP/JU
 Sample : K3360-23
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41T1

Quant Time: Jun 24 04:04:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 22:42:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	335860	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1516688	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	895396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1914416	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1471322	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	1412424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	37541	4.37	ng/uL	0.00
5) Phenol-d5	6.80	99	913766	25.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	564689	25.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	672541	25.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	709551	25.01	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	332902	27.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	372391	28.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	737306	29.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	919328	31.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	2164063	27.58	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	2632929	27.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	344309	25.68	ng/ul	0.00
57) Fluorene-d10	15.28	176	1853274	27.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	251567	20.76	ng/ul	0.00
70) Anthracene-d10	17.14	188	2772740	28.77	ng/ul	0.00
78) Pyrene-d10	19.45	212	2869871	33.39	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	2338812	29.32	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.83	77	15529	1.075	ng/ul#	4
6) Phenol	6.83	94	1365171	39.595	ng/ul	99
20) Nitrobenzene	8.82	77	1078899	36.814	ng/ul	99
21) Isophorone	9.34	82	2854551	47.126	ng/ul	99
27) 2,4-Dichlorophenol	10.06	162	1582533	68.108	ng/ul	99
28) Naphthalene	10.46	128	4046574	50.680	ng/ul	99
30) 4-Chloroaniline	10.46	127	538182	19.509	ng/ul#	8
32) Caprolactam	11.33	113	113802	12.755	ng/ul	93
38) 2,4,6-Trichlorophenol	12.70	196	1060551	61.447	ng/ul	99
39) 2,4,5-Trichlorophenol	12.70	196	1001036	56.388	ng/ul	98
41) 2-Chloronaphthalene	13.15	162	3005433	54.705	ng/ul	98
44) Dimethylphthalate	13.74	163	423783	5.858	ng/ul	99
56) Diethylphthalate	15.12	149	3726704	50.984	ng/ul	99
64) N-Nitrosodiphenylamine	15.55	169	1829899	31.735	ng/ul	99
66) Hexachlorobenzene	16.35	284	762919	34.703	ng/ul	99
67) Atrazine	16.52	200	888380	44.708	ng/ul	99
69) Phenanthrene	17.08	178	3935062	37.267	ng/ul	99
71) Anthracene	17.08	178	3935062	36.712	ng/ul	98
74) Carbazole	17.45	167	5424131	58.635	ng/ul	99
80) Butylbenzylphthalate	20.39	149	2018642	44.942	ng/ul	98
82) Benzo(a)anthracene	21.30	228	3751330	37.302	ng/ul	95
84) Chrysene	21.30	228	3751330	39.194	ng/ul	99
86) Di-n-octyl phthalate	22.05	149	6533346	71.988	ng/ul	100

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QLast Update : Fri Jun 21 22:42:34 2019
Response via : Initial Calibration

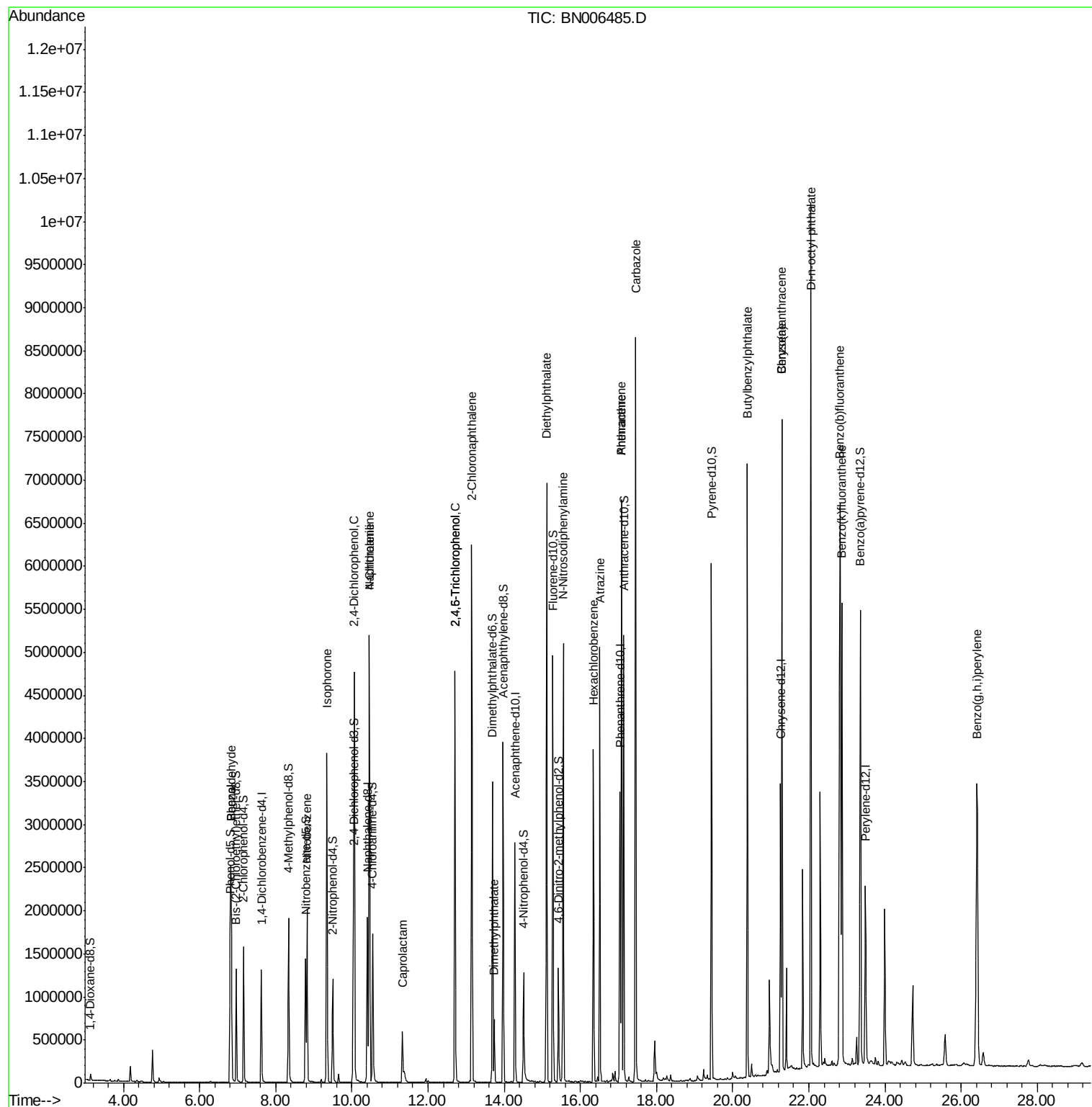
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.83	252	4348356	51.297	ng/ul	99
88) Benzo(k)fluoranthene	22.87	252	3275471	40.430	ng/ul	99
93) Benzo(g,h,i)perylene	26.42	276	3797583	46.873	ng/ul	100

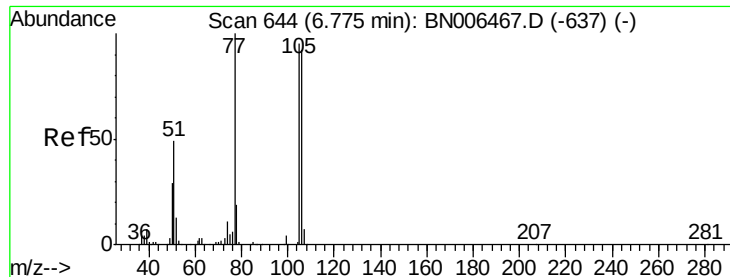
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.075 ng/ul

RT: 6.83 min Scan# 654

Delta R.T. 0.06 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Instrument :

BNA_N

ClientSampleId :

A41T1

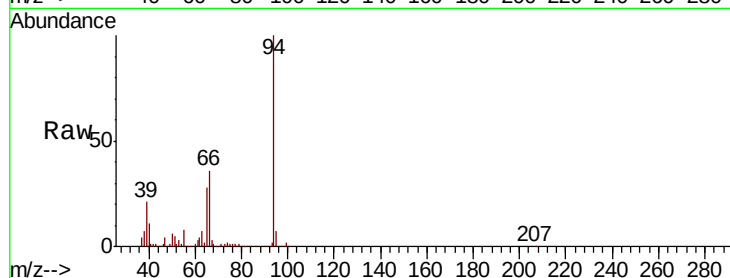
Tgt Ion: 77 Resp: 15529

Ion Ratio Lower Upper

77 100

105 0.0 74.1 111.1#

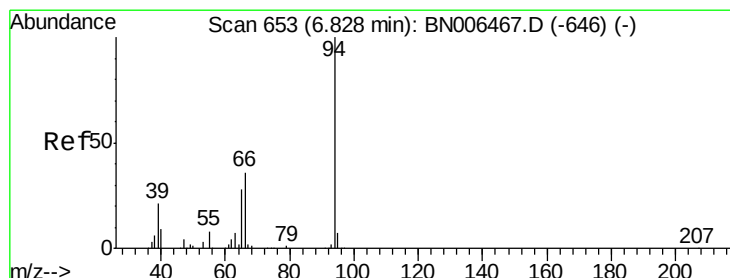
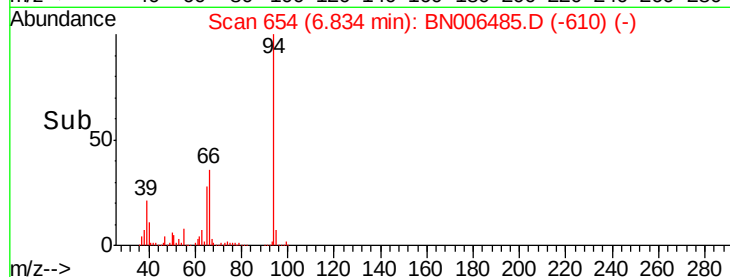
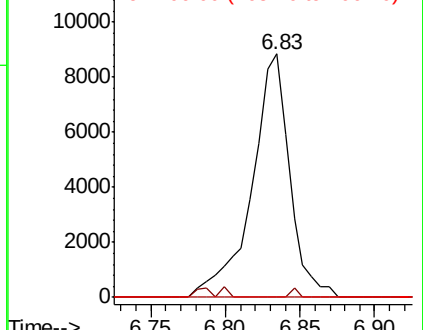
106 0.0 72.7 109.1#



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#6

Phenol

Concen: 39.595 ng/ul

RT: 6.83 min Scan# 654

Delta R.T. 0.01 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

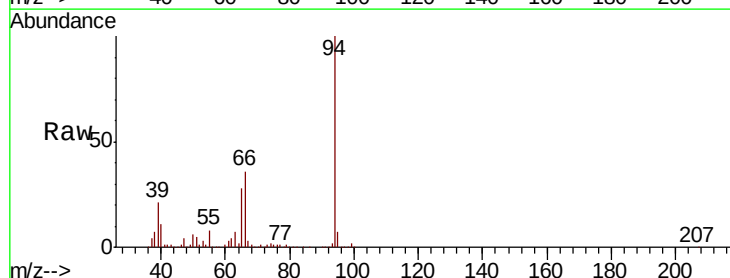
Tgt Ion: 94 Resp: 1365171

Ion Ratio Lower Upper

94 100

65 27.8 22.5 33.7

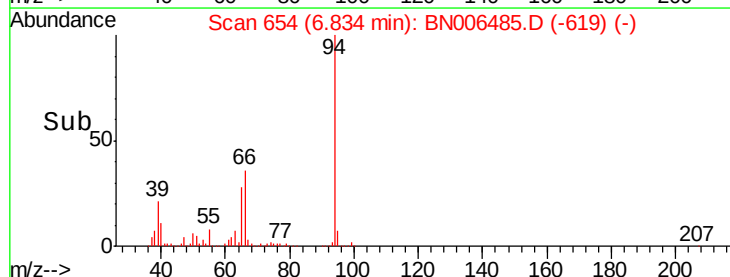
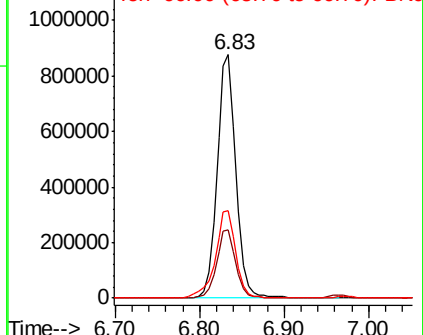
66 36.0 29.5 44.3

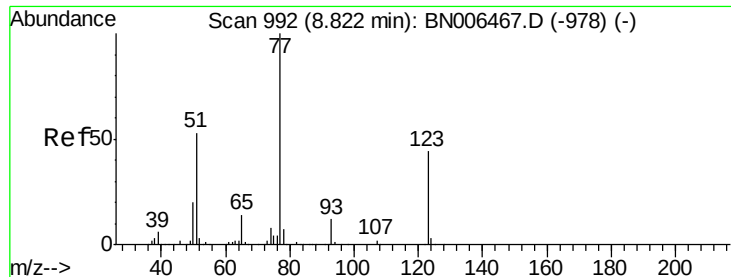


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0

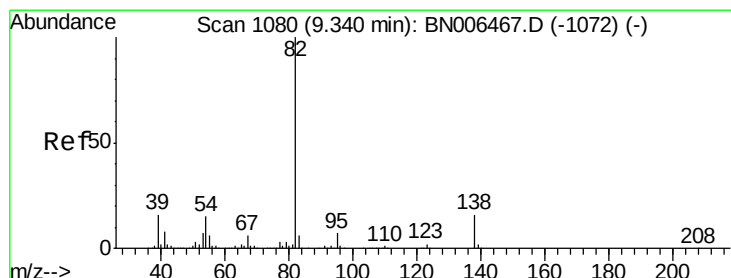
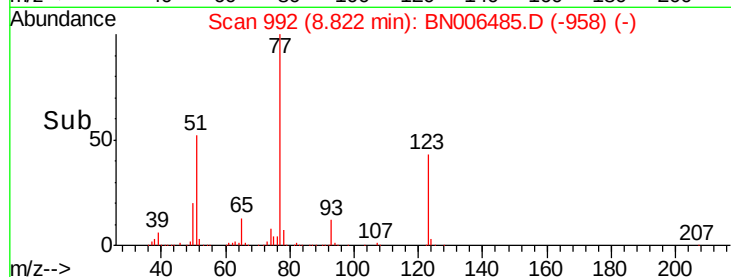
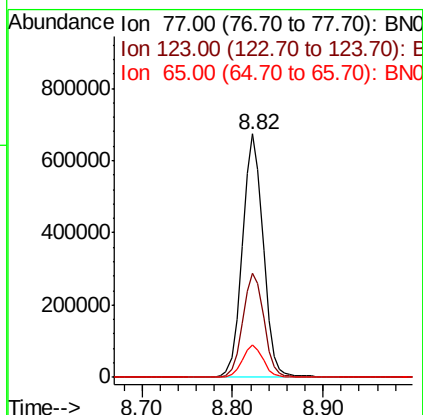
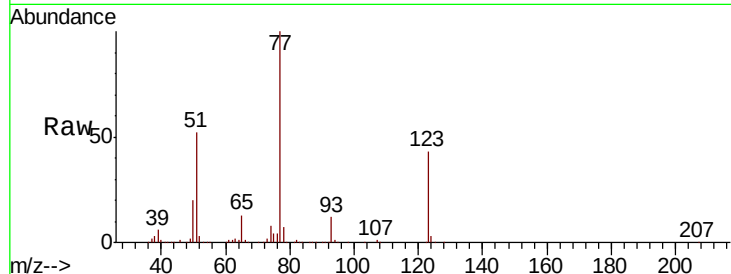




#20
Nitrobenzene
Concen: 36.814 ng/ul
RT: 8.82 min Scan# 992
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

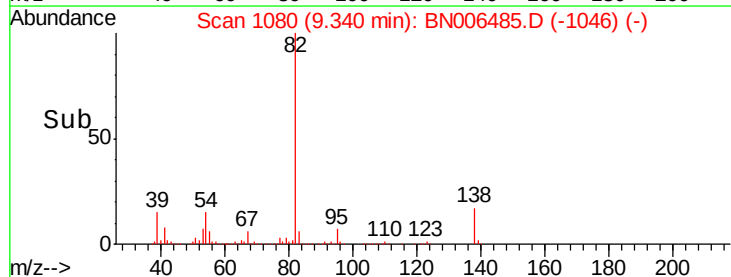
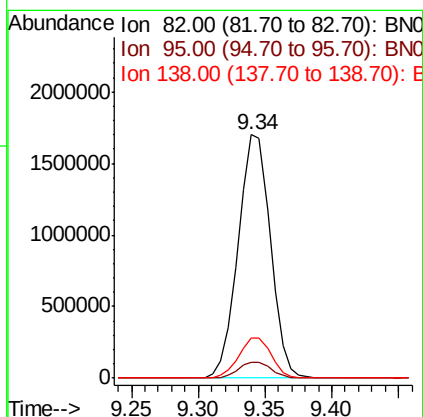
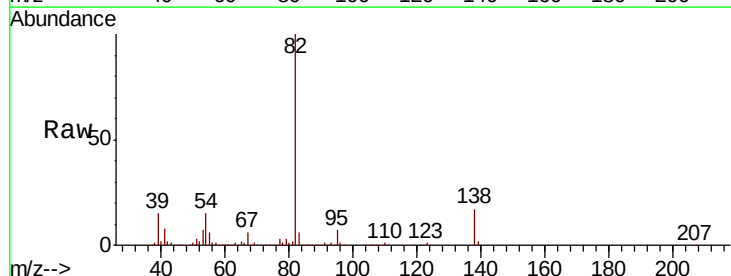
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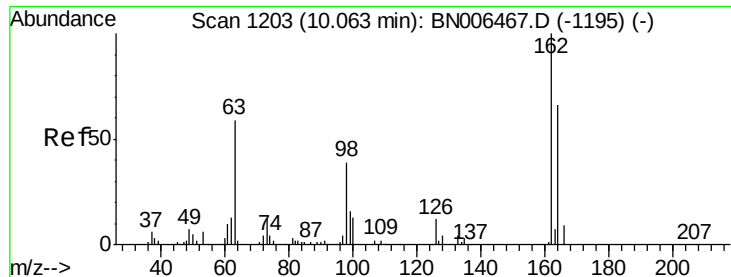
Tgt Ion: 77 Resp: 1078899
Ion Ratio Lower Upper
77 100
123 42.9 33.7 50.5
65 13.4 10.6 15.8



#21
Isophorone
Concen: 47.126 ng/ul
RT: 9.34 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion: 82 Resp: 2854551
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 16.6 13.7 20.5

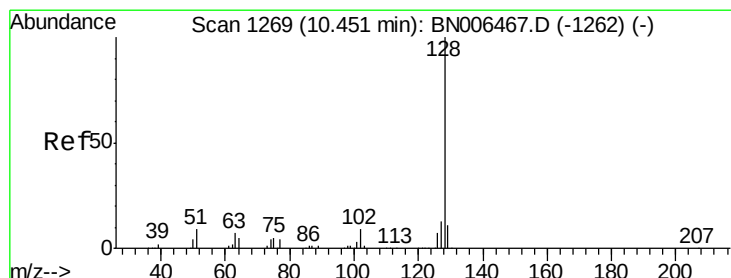
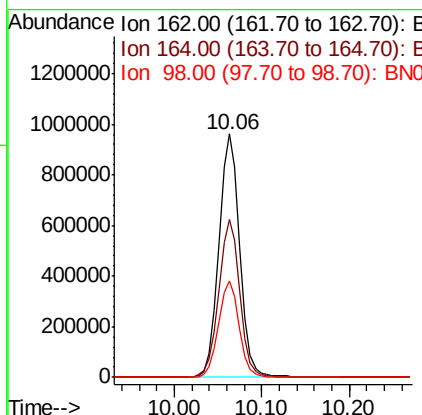
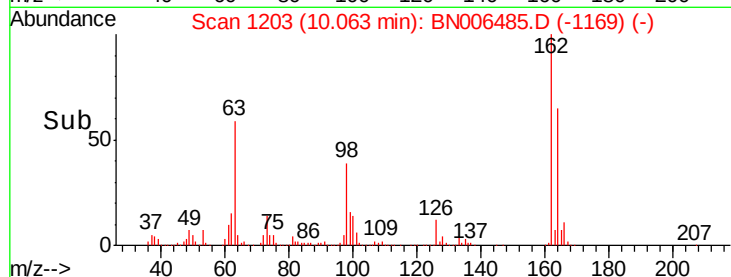
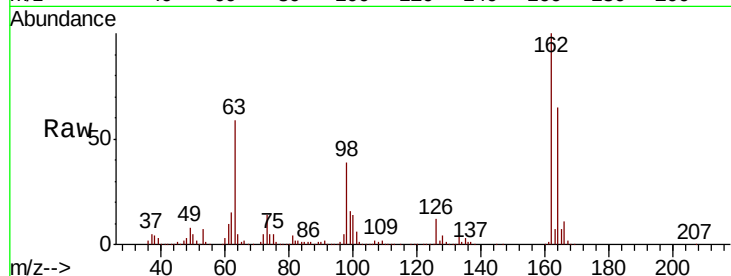




#27
2,4-Dichlorophenol
Concen: 68.108 ng/ul
RT: 10.06 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

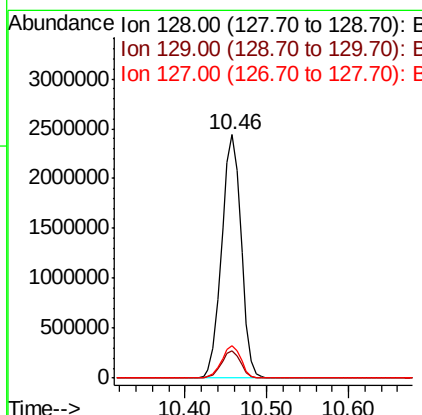
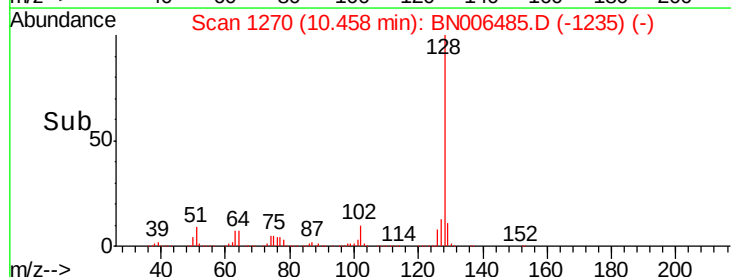
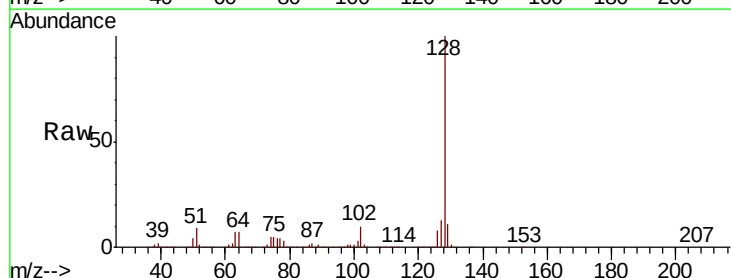
Instrument :
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ClientSampleId :
A41T1

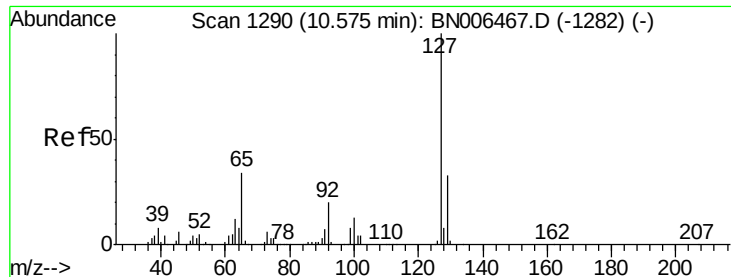
Tgt Ion:162 Resp: 1582533
Ion Ratio Lower Upper
162 100
164 64.9 52.6 79.0
98 39.4 30.9 46.3



#28
Naphthalene
Concen: 50.680 ng/ul
RT: 10.46 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion:128 Resp: 4046574
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.4 15.6

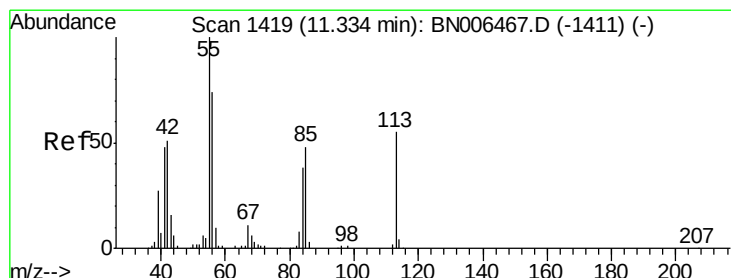
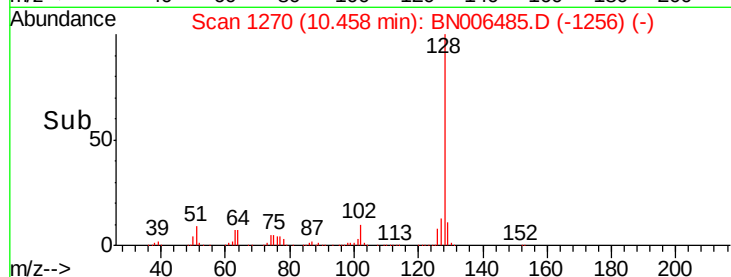
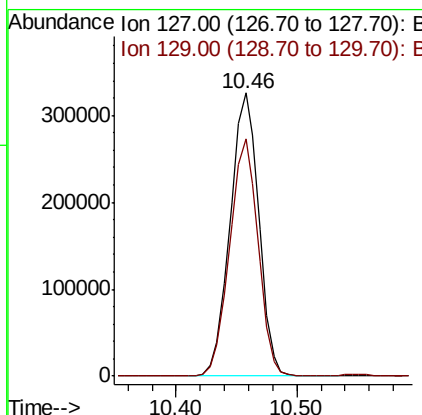
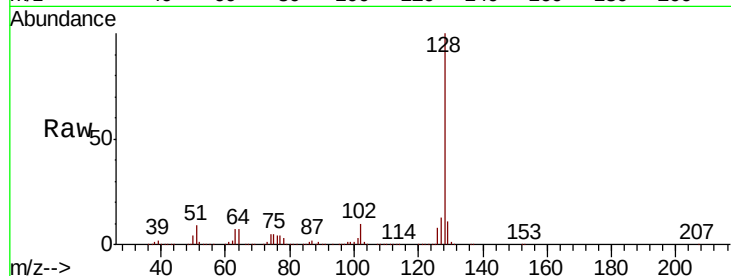




#30
4-Chloroaniline
Concen: 19.509 ng/ul
RT: 10.46 min Scan# 1270
Delta R.T. -0.12 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

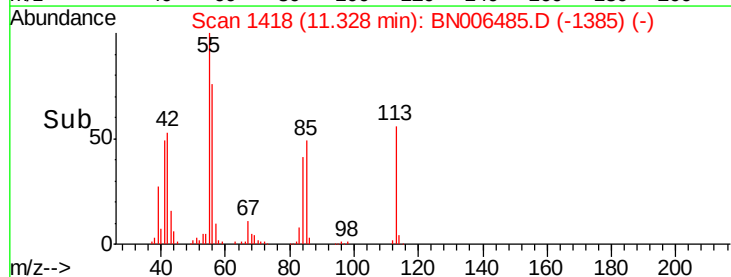
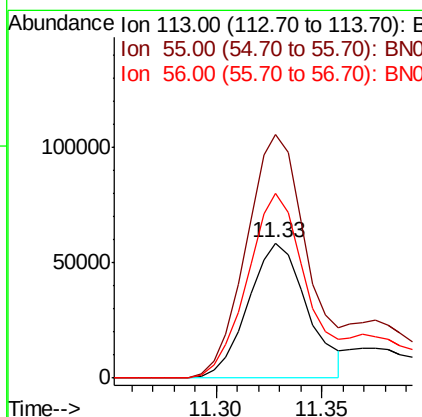
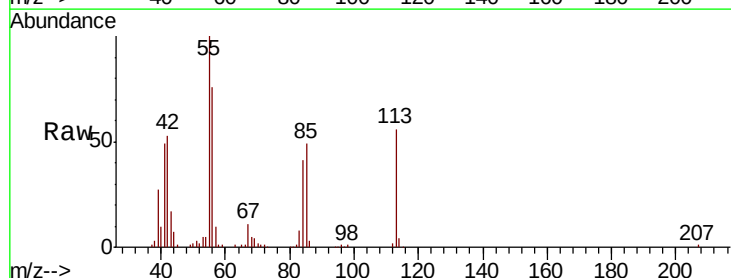
Instrument :
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ClientSampleId :
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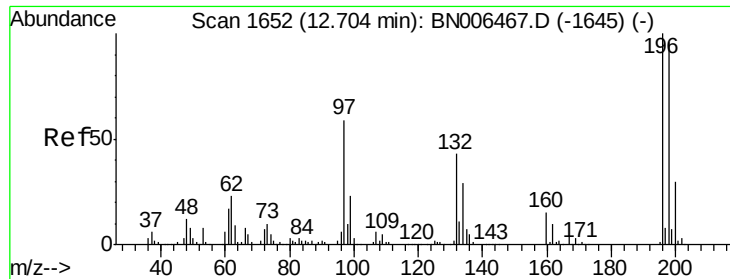
Tgt Ion:127 Resp: 538182
Ion Ratio Lower Upper
127 100
129 83.8 25.8 38.8#



#32
Caprolactam
Concen: 12.755 ng/ul
RT: 11.33 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion:113 Resp: 113802
Ion Ratio Lower Upper
113 100
55 180.0 137.3 205.9
56 136.9 102.6 154.0

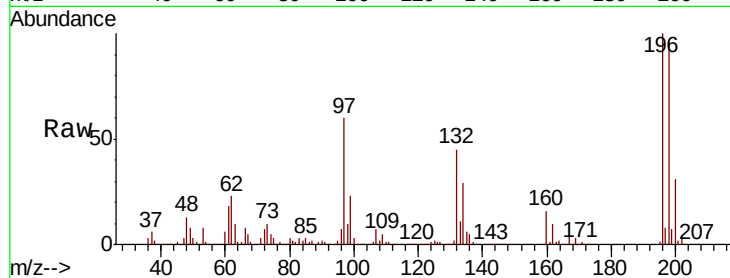




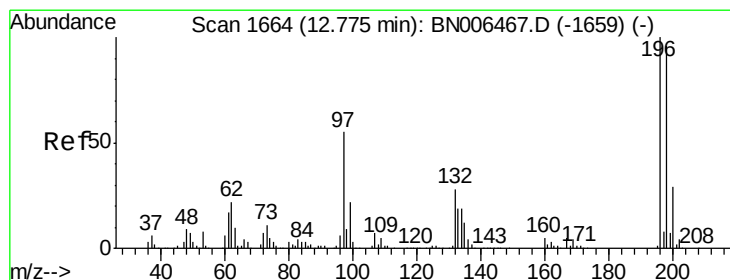
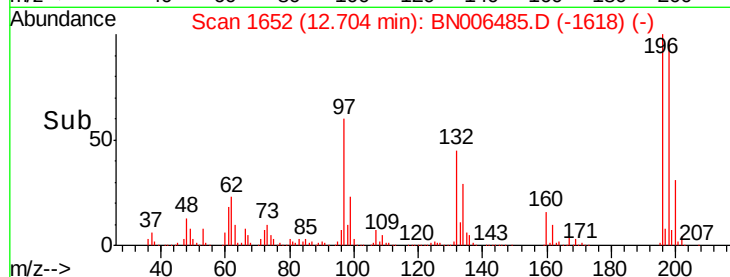
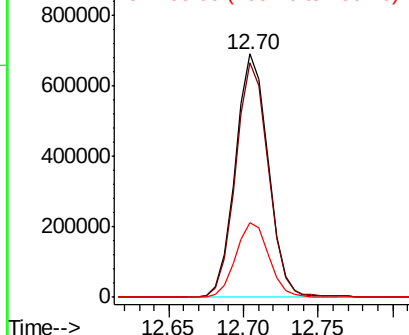
#38
 2,4,6-Trichlorophenol
 Concen: 61.447 ng/ul
 RT: 12.70 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BN006485.D
 Acq: 22 Jun 2019 12:55

Instrument :
 BNA_N
 ClientSampled :
 A41T1

Tgt Ion:196 Resp: 1060551
 Ion Ratio Lower Upper
 196 100
 198 96.6 76.7 115.1
 200 30.8 24.8 37.2

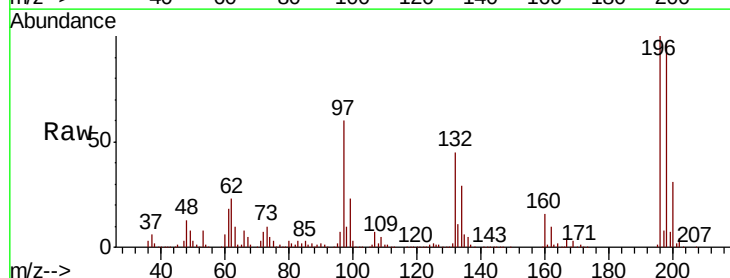


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

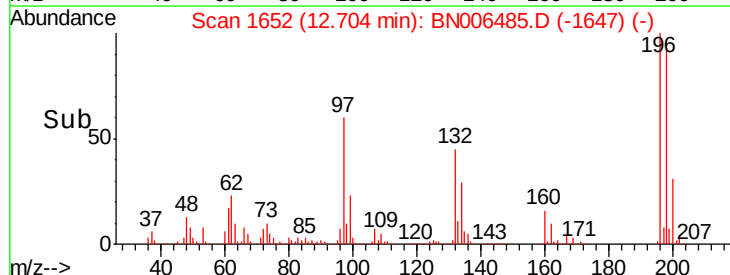
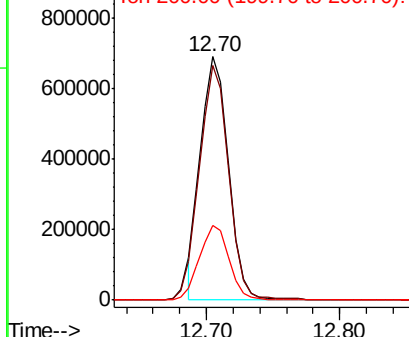


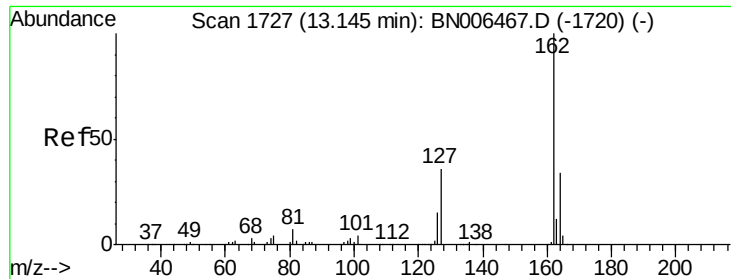
#39
 2,4,5-Trichlorophenol
 Concen: 56.388 ng/ul
 RT: 12.70 min Scan# 1652
 Delta R.T. -0.07 min
 Lab File: BN006485.D
 Acq: 22 Jun 2019 12:55

Tgt Ion:196 Resp: 1001036
 Ion Ratio Lower Upper
 196 100
 198 96.6 75.8 113.8
 200 30.8 24.3 36.5



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

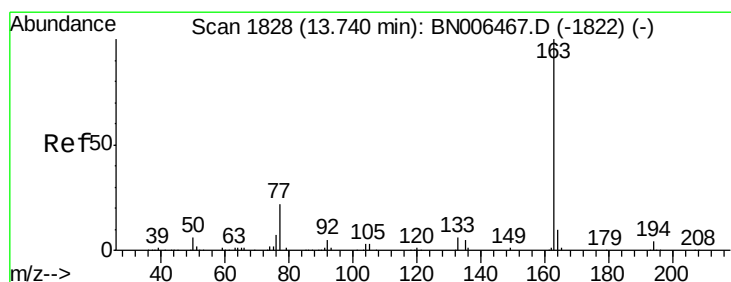
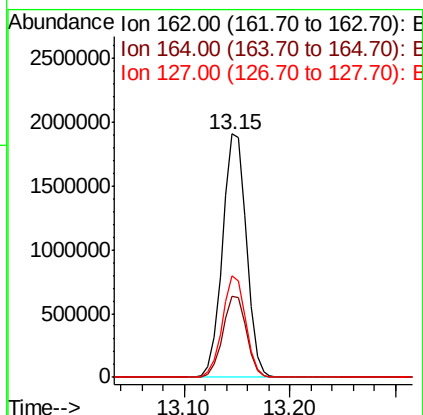
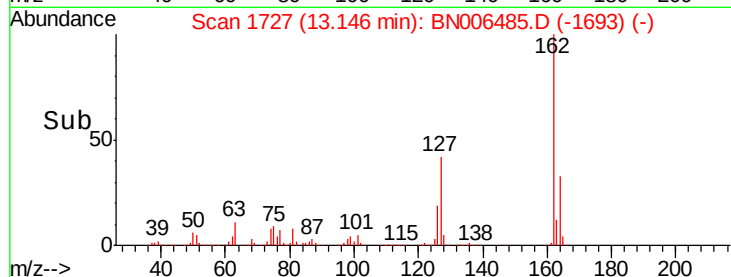
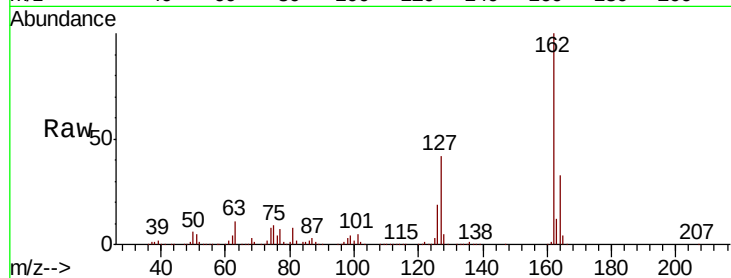




#41
2-Chloronaphthalene
Concen: 54.705 ng/ul
RT: 13.15 min Scan# 1727
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

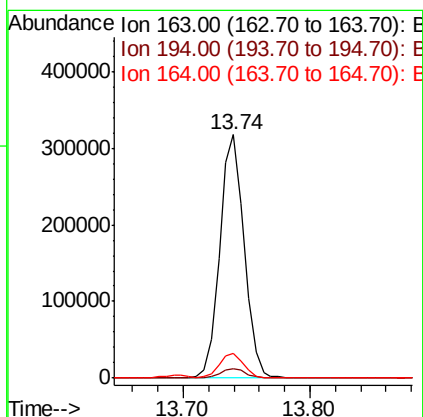
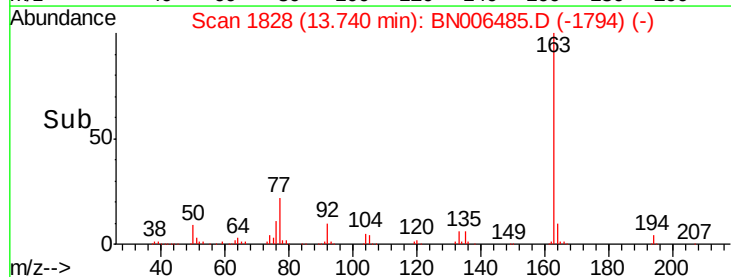
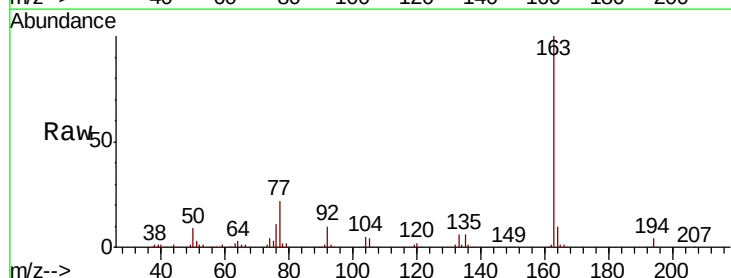
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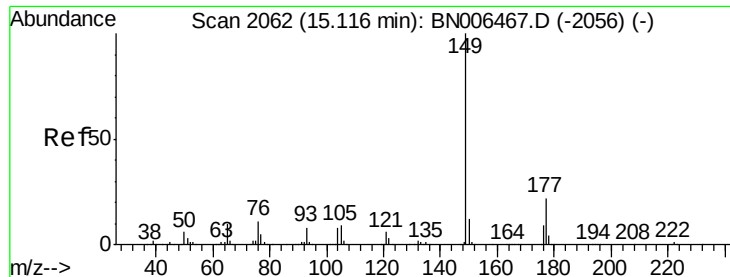
Tgt Ion:162 Resp: 3005433
Ion Ratio Lower Upper
162 100
164 33.2 26.2 39.4
127 41.6 31.4 47.0



#44
Dimethylphthalate
Concen: 5.858 ng/ul
RT: 13.74 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion:163 Resp: 423783
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 8.0 12.0

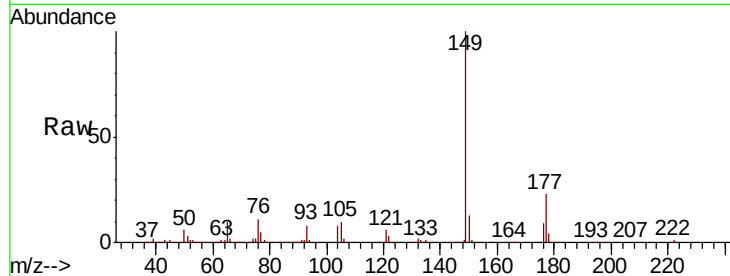




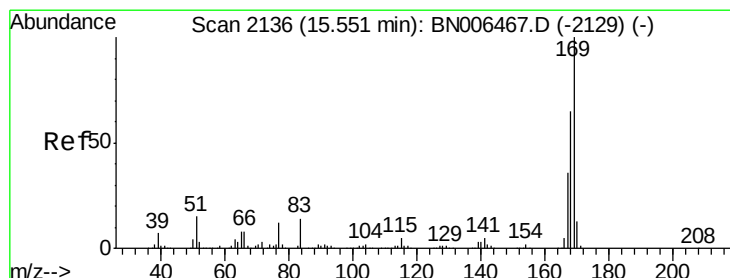
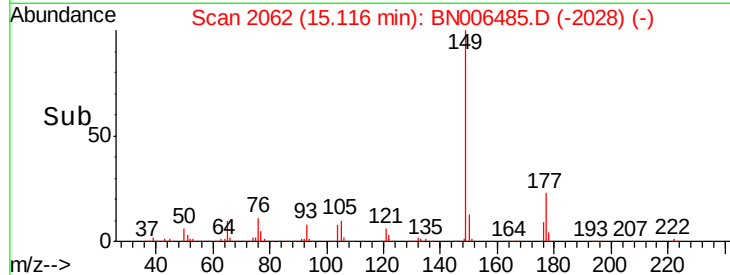
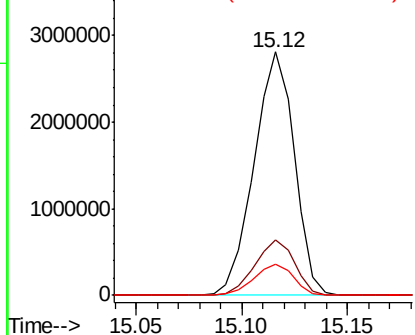
#56
Diethylphthalate
Concen: 50.984 ng/ul
RT: 15.12 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Instrument :
BNA_N
ClientSampleId :
A41T1

Tgt Ion:149 Resp: 3726704
Ion Ratio Lower Upper
149 100
177 22.9 17.9 26.9
150 12.9 10.1 15.1

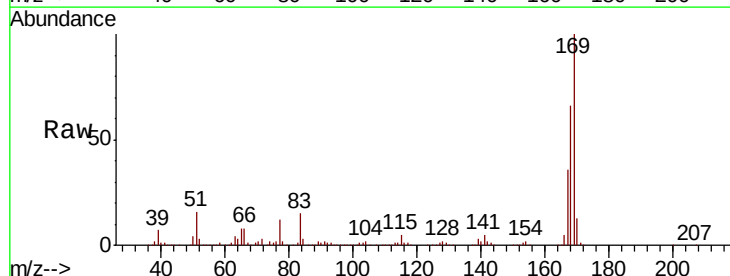


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

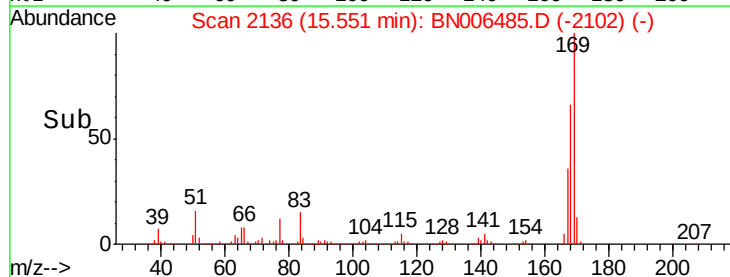
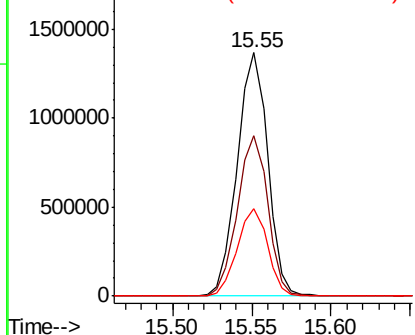


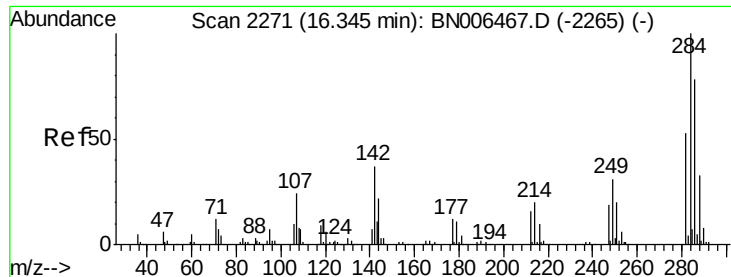
#64
N-Nitrosodiphenylamine
Concen: 31.735 ng/ul
RT: 15.55 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion:169 Resp: 1829899
Ion Ratio Lower Upper
169 100
168 65.7 52.1 78.1
167 35.9 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

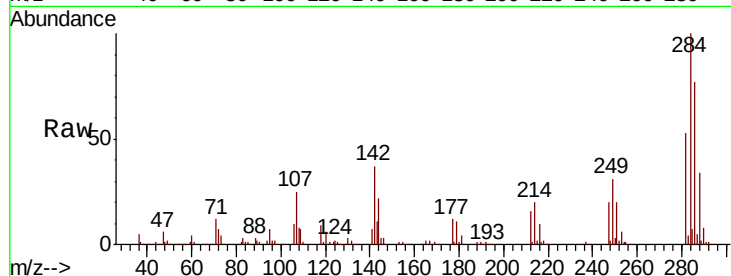




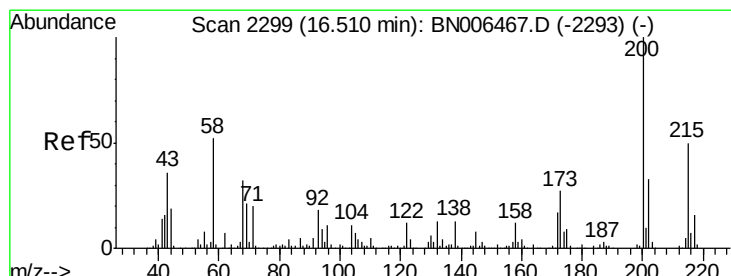
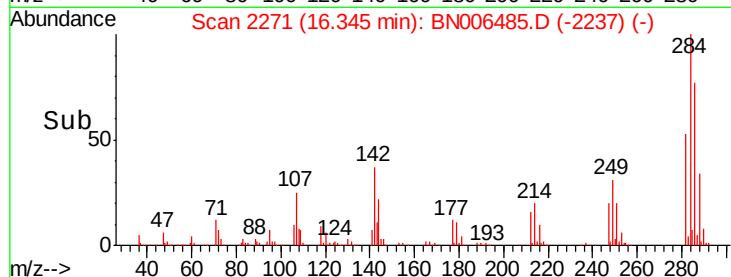
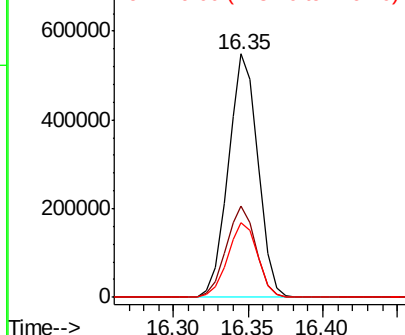
#66
Hexachlorobenzene
Concen: 34.703 ng/ul
RT: 16.35 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Instrument :
BNA_N
ClientSampleId :
A41T1

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.3	30.6	45.8
249	30.5	24.7	37.1

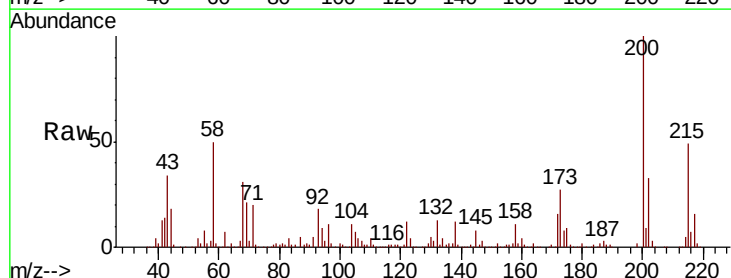


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

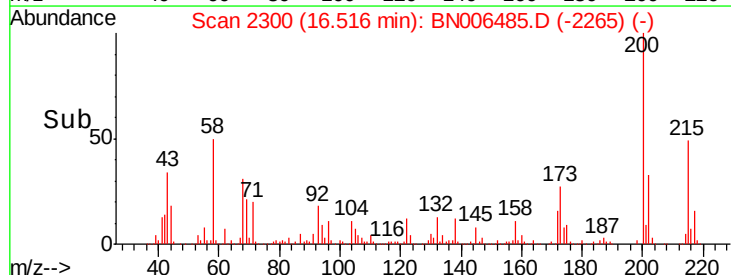
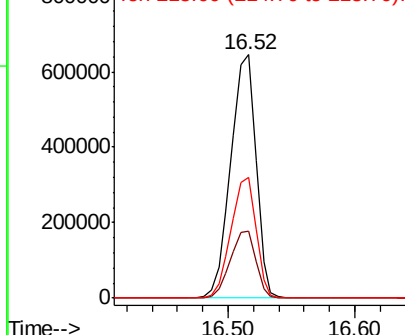


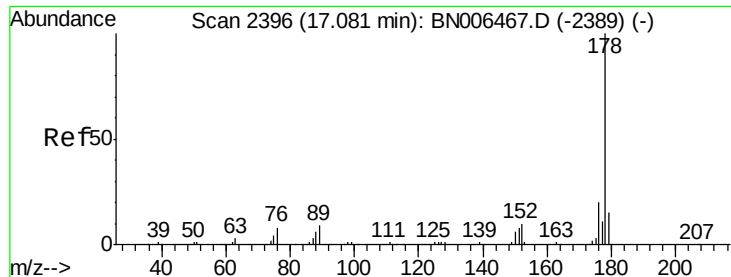
#67
Atrazine
Concen: 44.708 ng/ul
RT: 16.52 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.3	22.6	33.8
215	49.4	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: 37.267 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Instrument :

BNA_N

ClientSampleId :

A41T1

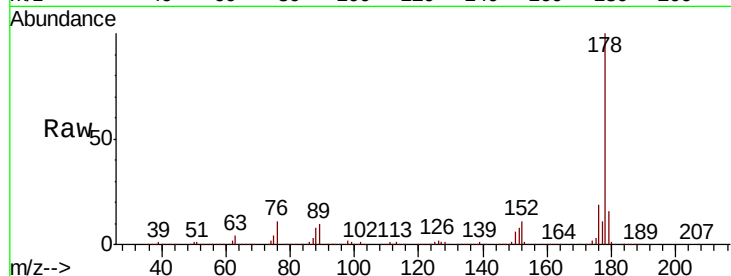
Tgt Ion:178 Resp: 3935062

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

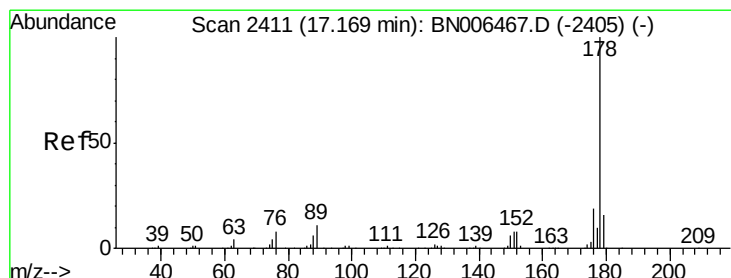
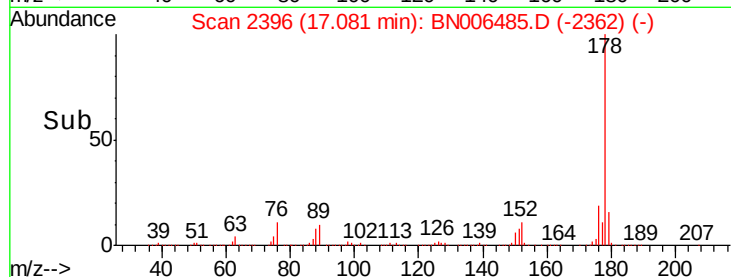
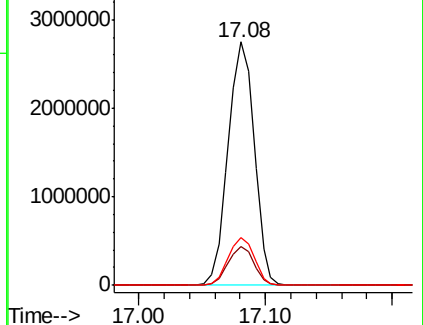
176 19.5 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 36.712 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. -0.09 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

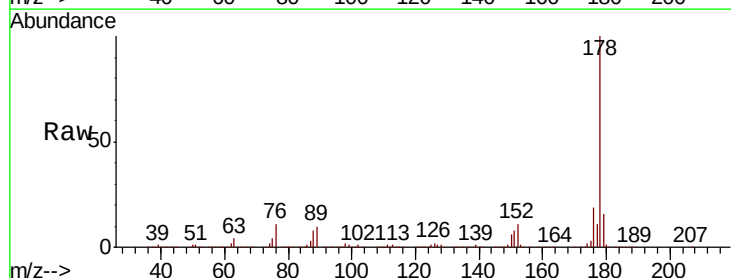
Tgt Ion:178 Resp: 3935062

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

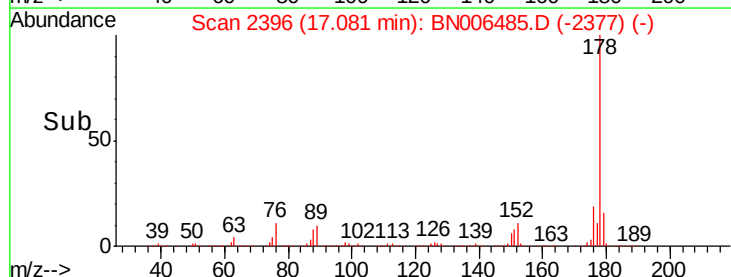
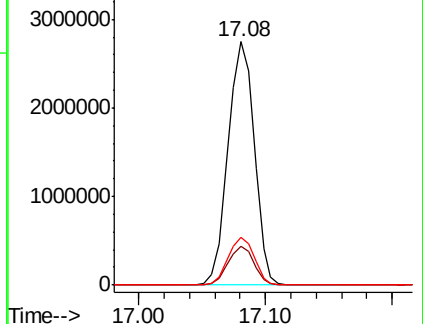
176 19.5 14.7 22.1

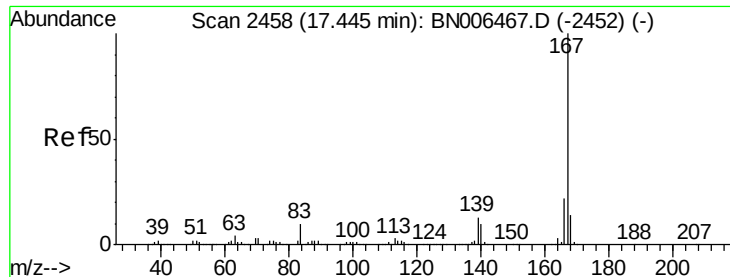


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 58.635 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Instrument :

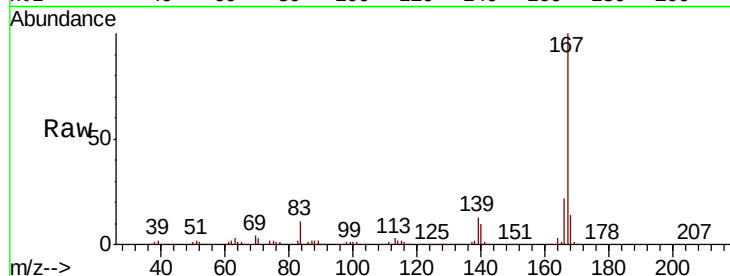
BNA_N

ClientSampleId :

A41T1

Tgt Ion:167 Resp: 5424131

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.2	10.5	15.7

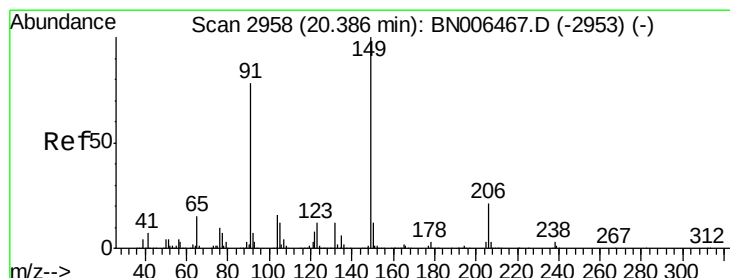
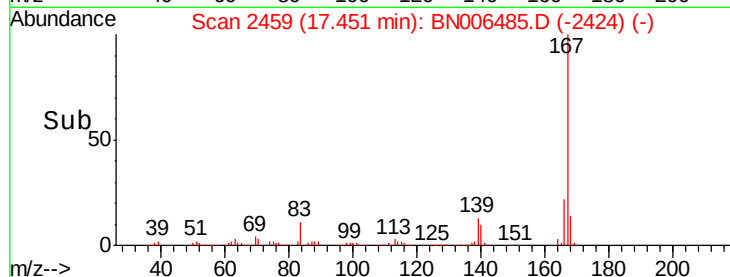
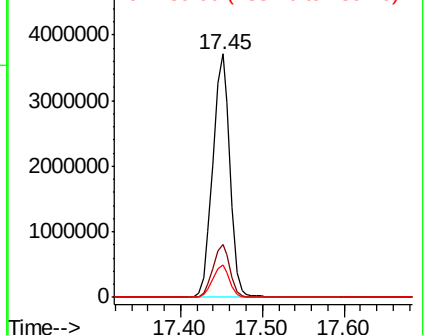


Abundance

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: 44.942 ng/ul

RT: 20.39 min Scan# 2958

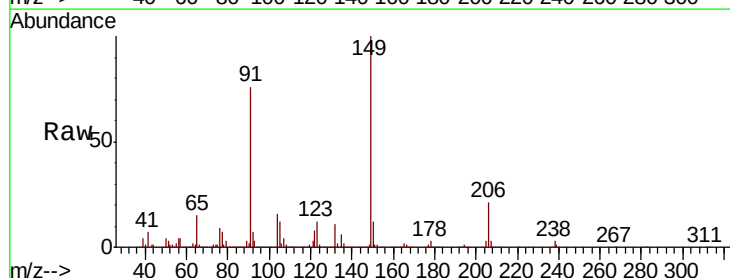
Delta R.T. 0.00 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Tgt Ion:149 Resp: 2018642

Ion	Ratio	Lower	Upper
149	100		
91	76.1	62.7	94.1
206	21.2	16.3	24.5

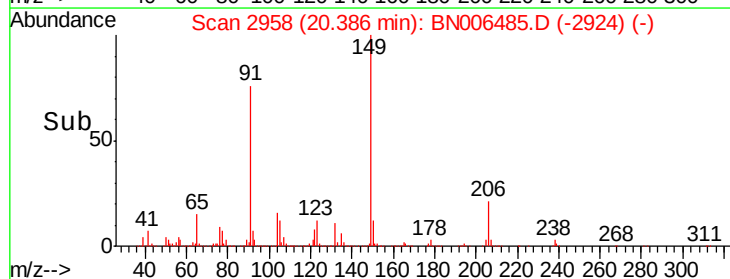
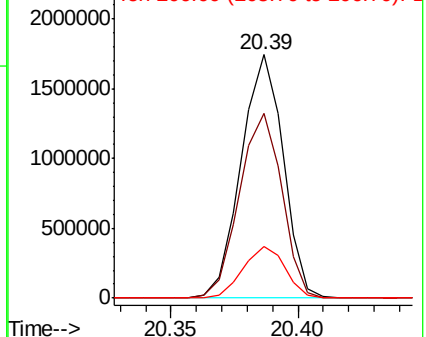


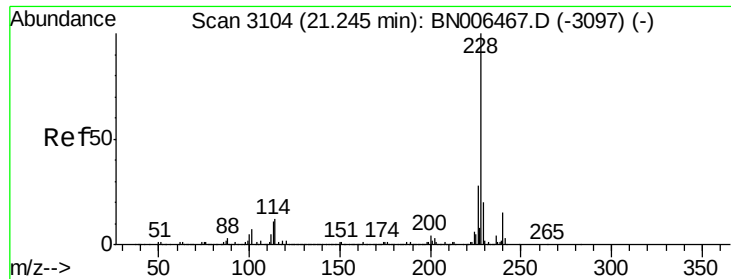
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 37.302 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. 0.05 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Instrument :

BNA_N

ClientSampleId :

A41T1

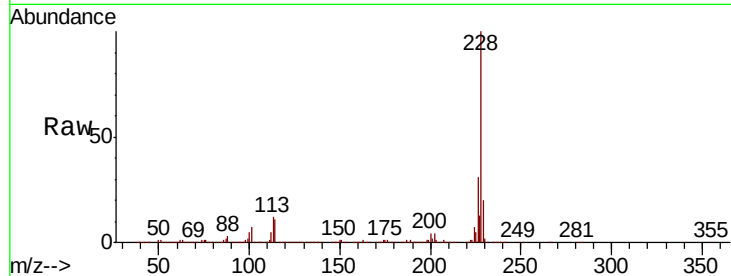
Tgt Ion:228 Resp: 3751330

Ion Ratio Lower Upper

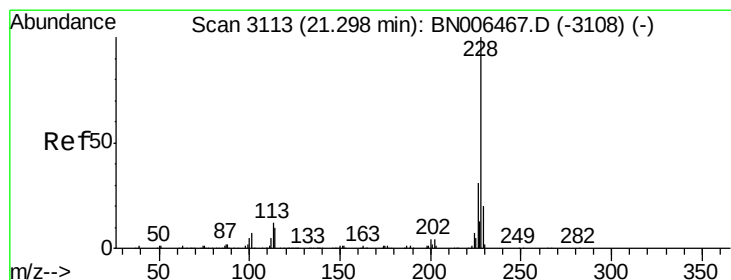
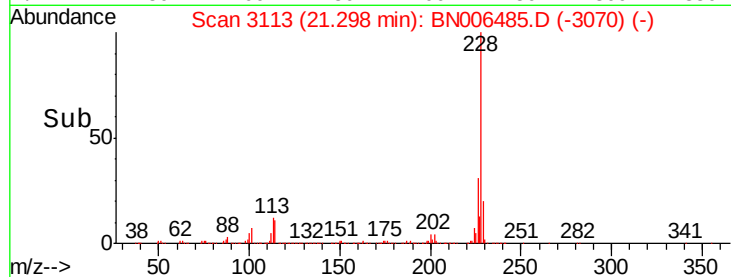
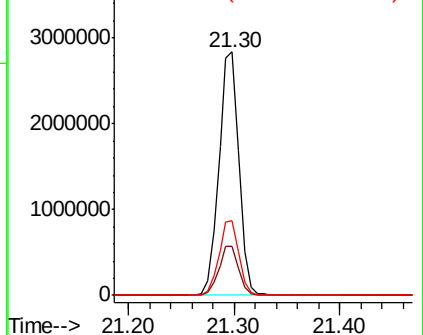
228 100

229 20.0 15.6 23.4

226 30.9 21.5 32.3



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: 39.194 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

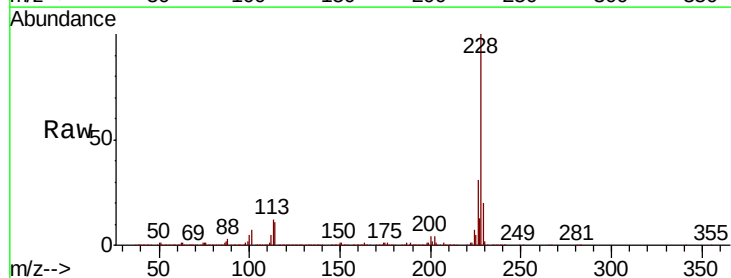
Tgt Ion:228 Resp: 3751330

Ion Ratio Lower Upper

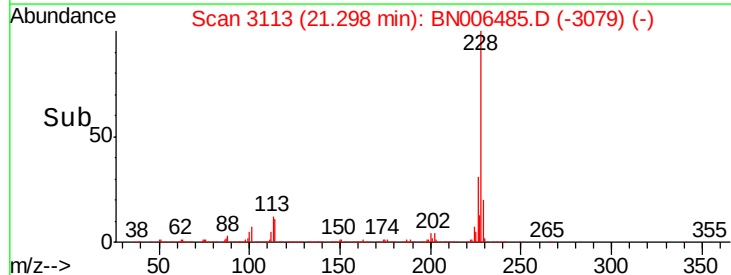
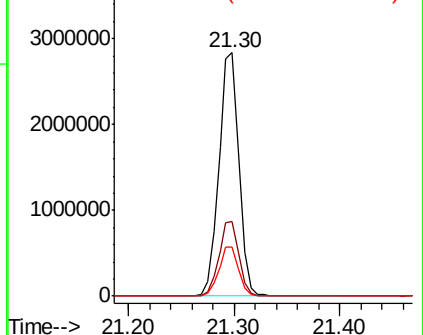
228 100

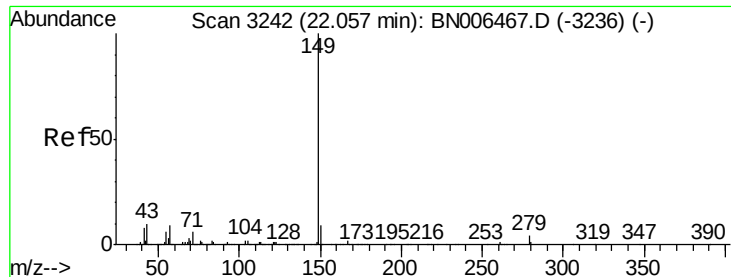
226 30.9 24.2 36.2

229 20.0 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

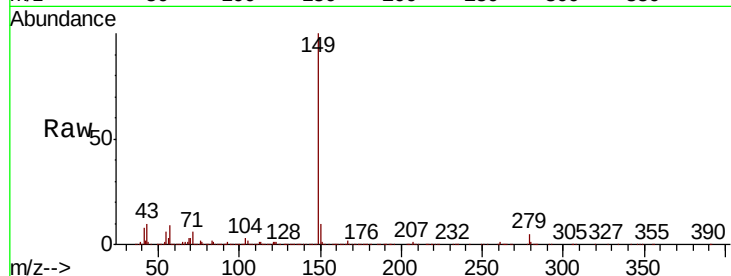




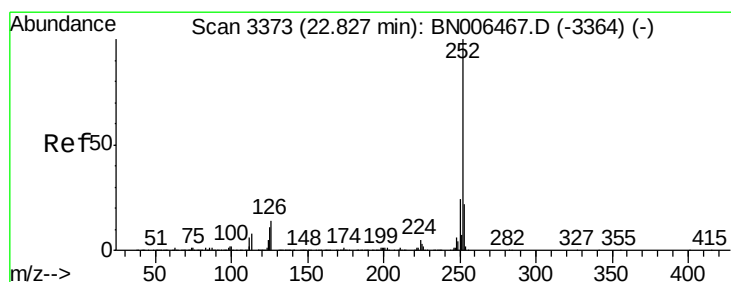
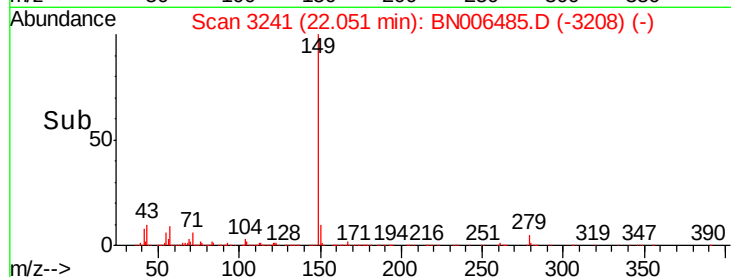
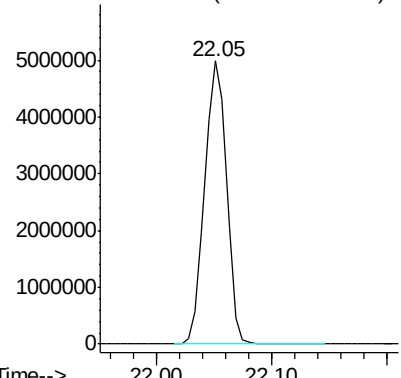
#86
Di-n-octyl phthalate
Concen: 71.988 ng/ul
RT: 22.05 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

Instrument :
BNA_N
ClientSampleId :
A41T1

Tgt Ion:149 Resp: 6533346

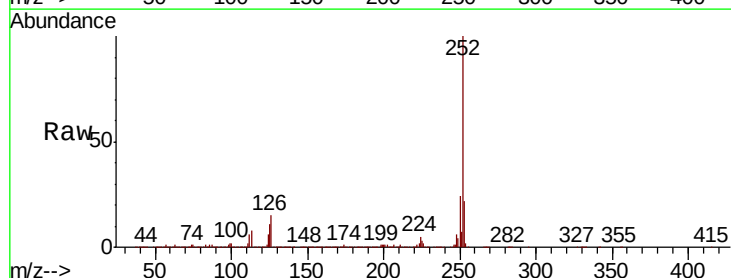


Abundance Ion 149.00 (148.70 to 149.70): E



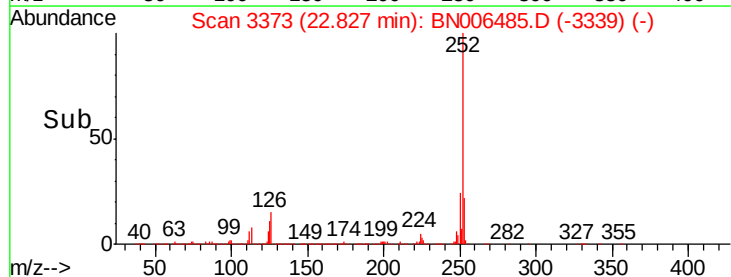
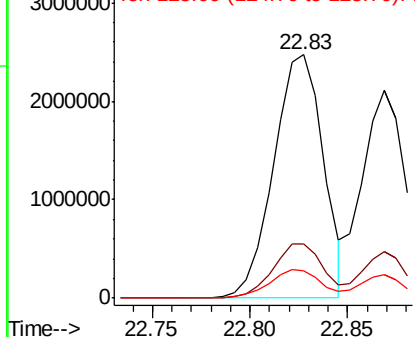
#87
Benzo(b)fluoranthene
Concen: 51.297 ng/ul
RT: 22.83 min Scan# 3373
Delta R.T. 0.00 min
Lab File: BN006485.D
Acq: 22 Jun 2019 12:55

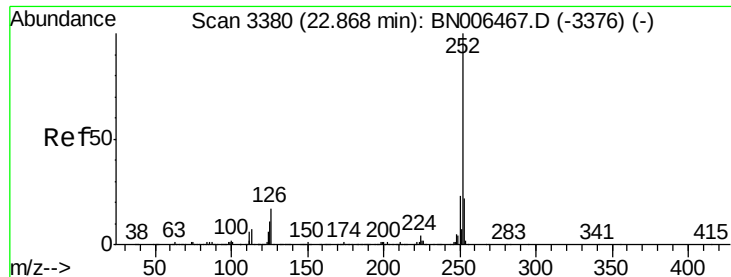
Tgt Ion:252 Resp: 4348356
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.4 9.0 13.6



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: 40.430 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. 0.00 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

Instrument :

BNA_N

ClientSampleId :

A41T1

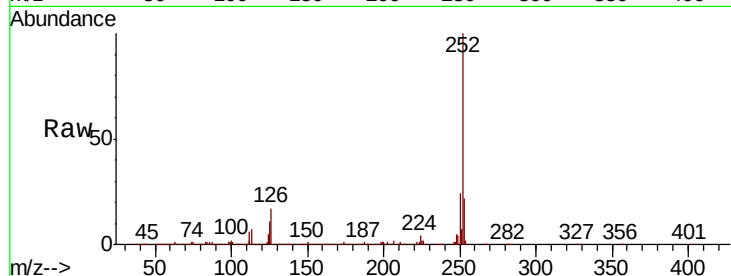
Tgt Ion:252 Resp: 3275471

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

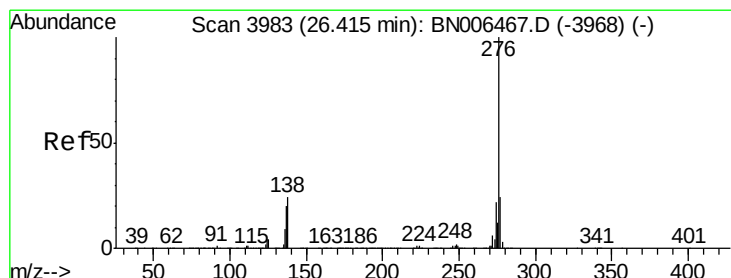
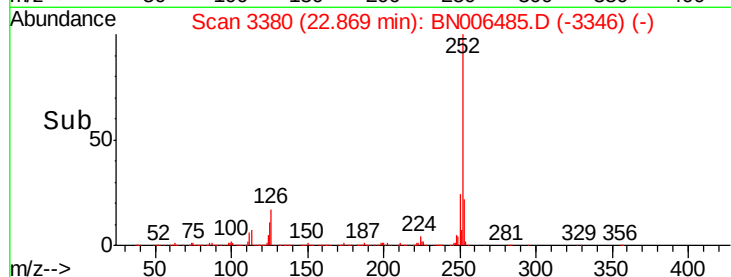
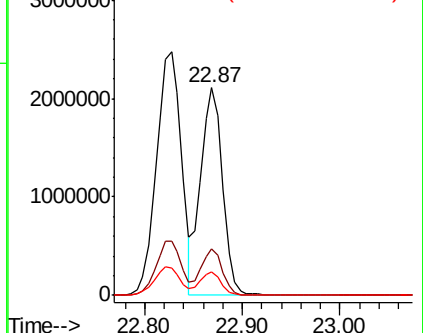
125 11.5 9.1 13.7



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



#93

Benzo(g,h,i)perylene

Concen: 46.873 ng/ul

RT: 26.42 min Scan# 3983

Delta R.T. 0.00 min

Lab File: BN006485.D

Acq: 22 Jun 2019 12:55

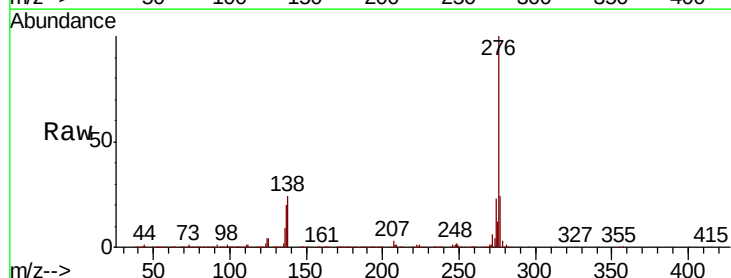
Tgt Ion:276 Resp: 3797583

Ion Ratio Lower Upper

276 100

138 23.9 19.1 28.7

277 24.4 19.4 29.0



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

