

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006042.D
 Acq On : 03 Jun 2019 17:08
 Operator : JU/SJ
 Sample : K2924-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 01:25:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 03 14:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	386728	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1709466	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	997178	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	2108861	20.00	ng/ul	0.00
77) Chrysene-d12	21.36	240	1441048	20.00	ng/ul	0.01
85) Perylene-d12	23.65	264	1524043	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	35673	4.29	ng/uL	0.00
5) Phenol-d5	6.90	99	850760	26.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	480499	26.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	656971	26.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	655846	25.65	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	329811	26.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	368151	27.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	677301	27.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	842727	27.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	2059187	29.19	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	2578175	28.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	351594	26.97	ng/ul	0.00
57) Fluorene-d10	15.38	176	1723272	28.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	272739	26.69	ng/ul	0.00
70) Anthracene-d10	17.24	188	2511306	28.42	ng/ul	0.00
78) Pyrene-d10	19.55	212	2458582	29.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2013108	29.73	ng/ul	0.01

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.28	88	173874	20.027	ng/uL 98
4) Benzaldehyde	6.88	77	682898	31.402	ng/ul 99
6) Phenol	6.93	94	1134532	34.764	ng/ul 98
8) Bis(2-Chloroethyl)ether	7.09	93	112	0.004	ng/ul# 41
10) 2-Chlorophenol	7.29	128	586397	22.885	ng/ul 100
14) Acetophenone	8.55	105	2248	0.059	ng/ul# 78
15) N-Nitroso-di-n-propylamine	8.54	70	508444	25.936	ng/ul 100
20) Nitrobenzene	8.93	77	609975	21.090	ng/ul 99
21) Isophorone	9.45	82	469	0.009	ng/ul# 66
23) 2-Nitrophenol	9.64	139	329963	22.990	ng/ul 99
24) 2,4-Dimethylphenol	9.64	107	1533	0.052	ng/ul# 1
25) Bis(2-Chloroethoxy)methane	9.95	93	365	0.010	ng/ul# 49
27) 2,4-Dichlorophenol	10.17	162	603129	24.887	ng/ul 98
28) Naphthalene	10.57	128	1355771	16.858	ng/ul 100
30) 4-Chloroaniline	10.69	127	344	0.011	ng/ul# 40
31) Hexachlorobutadiene	10.85	225	349985	24.406	ng/ul 96
32) Caprolactam	11.51	113	389	0.043	ng/ul# 73
33) 4-Chloro-3-methylphenol	11.81	107	1132226	41.106	ng/ul 98
34) 2-Methylnaphthalene	12.05	142	452	0.008	ng/ul 92
36) 1,2,4,5-Tetrachlorobenzene	12.56	216	560153	19.025	ng/ul 97
38) 2,4,6-Trichlorophenol	12.81	196	697989	36.076	ng/ul 99
39) 2,4,5-Trichlorophenol	12.81	196	640025	31.049	ng/ul 99
40) 1,1'-Biphenyl	13.21	154	1911815	25.441	ng/ul 99

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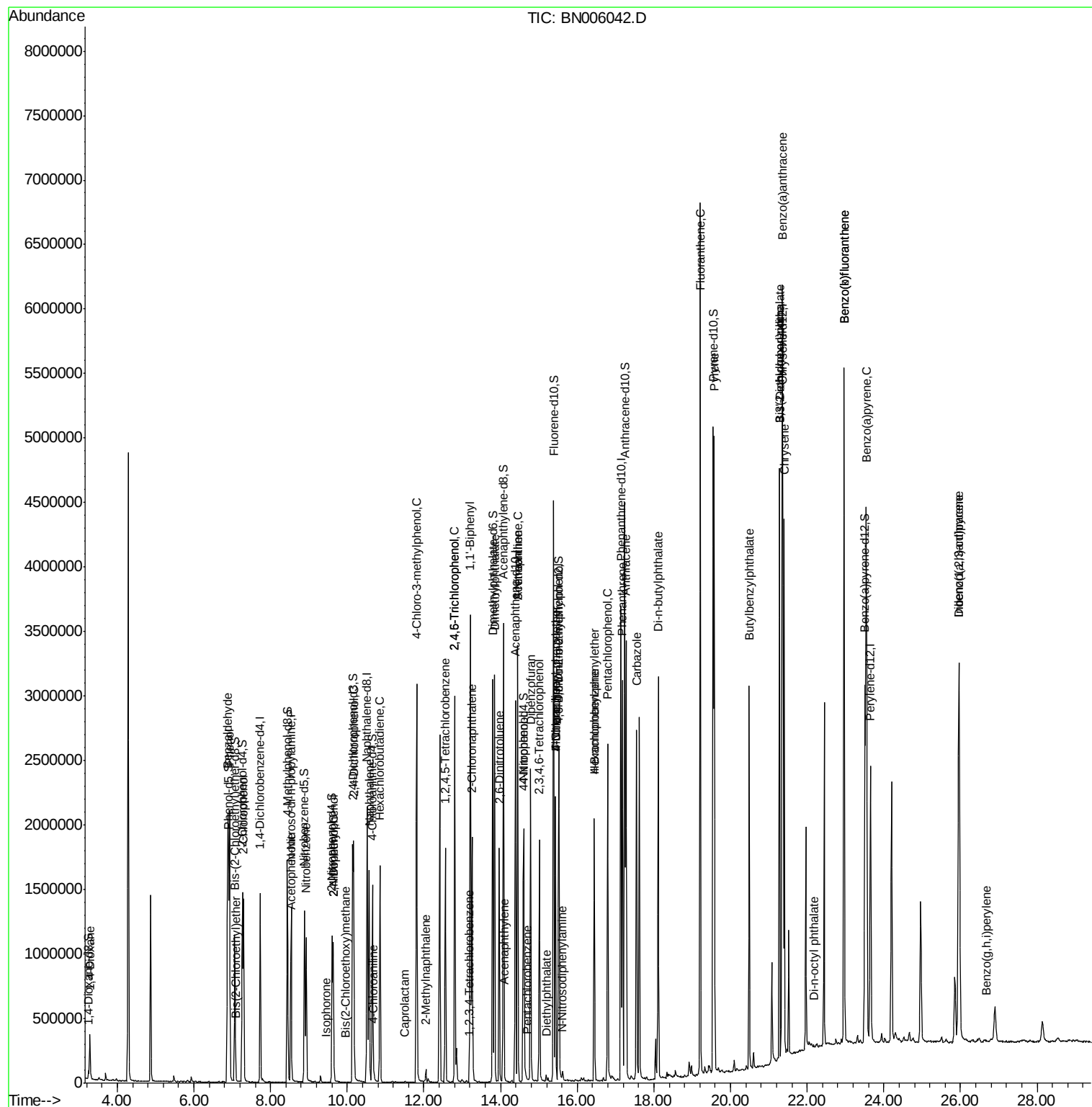
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Chloronaphthalene	13.25	162	925982	15.943	ng/ul	100
44) Dimethylphthalate	13.84	163	1934808	27.709	ng/ul	100
45) 2,6-Dinitrotoluene	13.97	165	361892	24.611	ng/ul	99
47) Acenaphthylene	14.10	152	2898	0.032	ng/ul#	81
48) 3-Nitroaniline	14.44	138	1165	0.077	ng/ul#	1
49) Acenaphthene	14.45	153	1309096	21.789	ng/ul	100
52) 4-Nitrophenol	14.61	109	241293	24.495	ng/ul	98
53) Dibenzofuran	14.78	168	1530964	17.944	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	15.02	232	369408	22.050	ng/ul	94
56) Diethylphthalate	15.21	149	2983	0.043	ng/ul#	88
58) Fluorene	15.44	166	18815	0.285	ng/ul#	90
59) 4-Chlorophenyl-phenylether	15.43	204	566288	17.381	ng/ul	99
60) 4-Nitroaniline	15.43	138	3214	0.186	ng/ul#	22
63) 4,6-Dinitro-2-methylphenol	15.52	198	458296	43.887	ng/ul	100
64) N-Nitrosodiphenylamine	15.59	169	122	0.002	ng/ul#	1
65) 4-Bromophenyl-phenylether	16.44	248	7204	0.341	ng/ul#	1
66) Hexachlorobenzene	16.45	284	440159	19.554	ng/ul	95
68) Pentachlorophenol	16.79	266	460446	37.168	ng/ul	99
69) Phenanthrene	17.18	178	1841879	17.998	ng/ul	99
71) Anthracene	17.27	178	2096633	20.175	ng/ul	100
72) 1,2,3,4-Tetrachlorobenzene	13.17	216	744	0.024	ng/ul#	60
73) Pentachlorobenzene	14.71	250	134	0.005	ng/ul#	40
74) Carbazole	17.55	167	1772975	19.834	ng/ul	100
75) Di-n-butylphthalate	18.11	149	2123106	18.543	ng/ul	99
76) Fluoranthene	19.21	202	4018239	40.347	ng/ul	100
79) Pyrene	19.58	202	2842392	27.367	ng/ul	99
80) Butylbenzylphthalate	20.49	149	839167	17.855	ng/ul	99
81) 3,3'-Dichlorobenzidine	21.28	252	3243	0.118	ng/ul#	84
82) Benzo(a)anthracene	21.35	228	2926064	32.862	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.28	149	1520299	23.537	ng/ul	98
84) Chrysene	21.40	228	2056835	24.414	ng/ul	99
86) Di-n-octyl phthalate	22.18	149	10418	0.100	ng/ul	100
87) Benzo(b)fluoranthene	22.96	252	2011928	23.935	ng/ul	99
88) Benzo(k)fluoranthene	22.96	252	2011928	24.699	ng/ul	99
90) Benzo(a)pyrene	23.55	252	1780429	22.276	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.96	276	2328886	25.311	ng/ul	99
92) Dibenzo(a,h)anthracene	25.97	278	1530141	19.724	ng/ul	99
93) Benzo(g,h,i)perylene	26.66	276	10612	0.140	ng/ul#	77

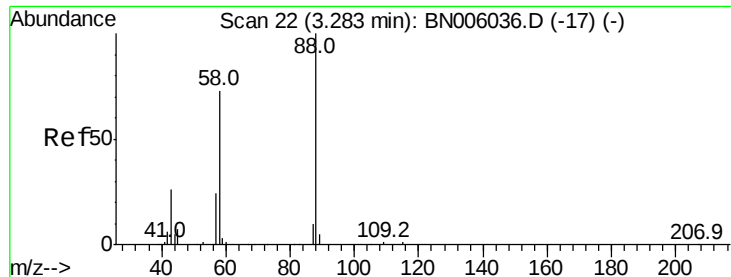
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 20.027 ng/uL

RT: 3.28 min Scan# 22

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

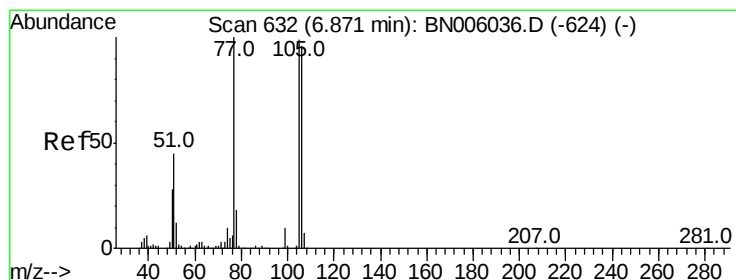
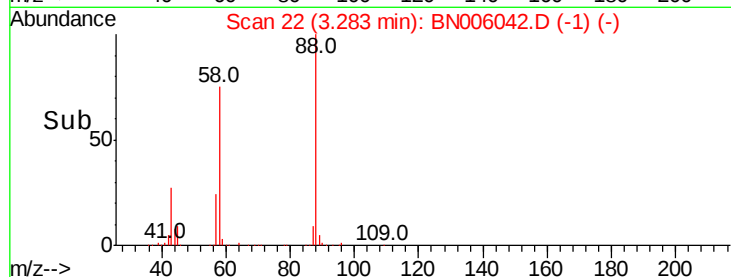
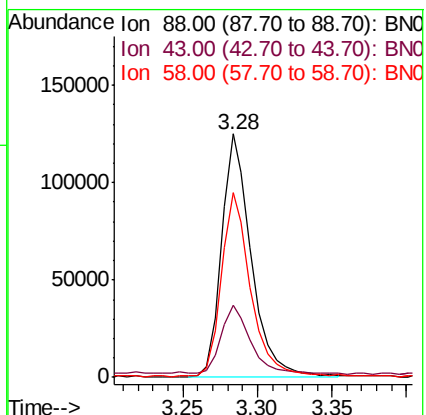
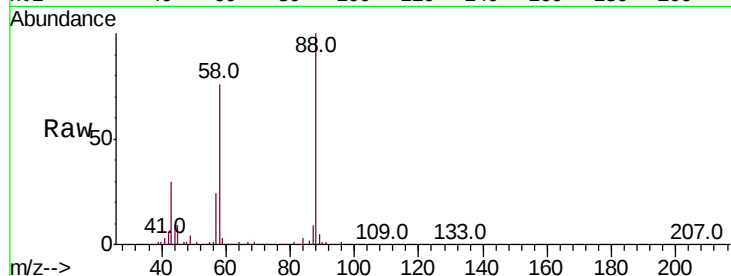
Tot Ion: 88 Resp: 173874

Ion Ratio Lower Upper

88 100

43 29.5 23.3 34.9

58 75.7 59.0 88.4



#4

Benzaldehyde

Concen: 31.402 ng/uL

RT: 6.88 min Scan# 633

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

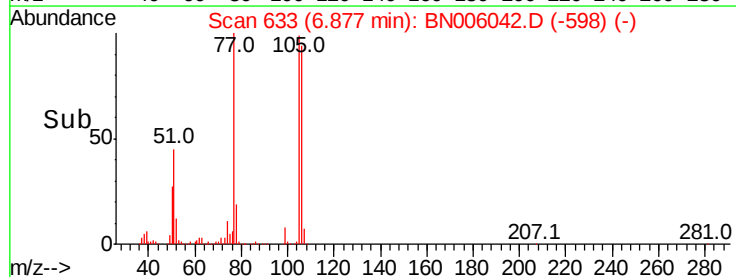
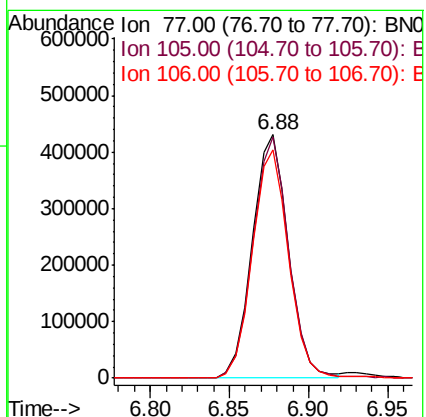
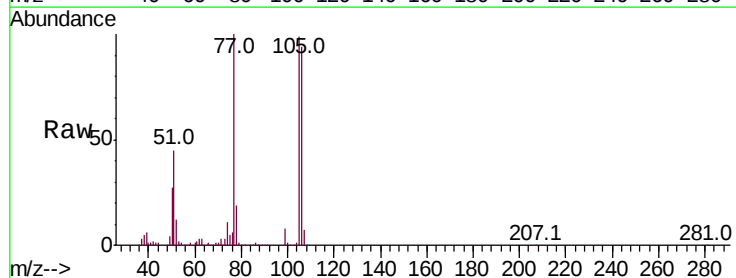
Tgt Ion: 77 Resp: 682898

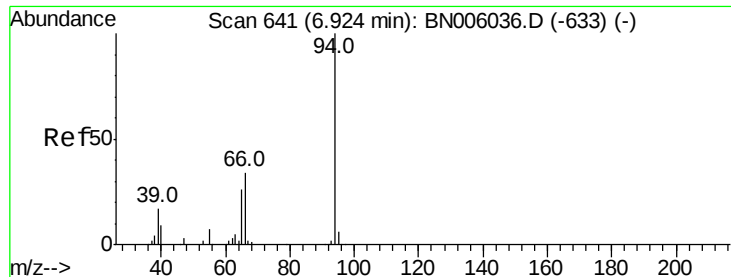
Ion Ratio Lower Upper

77 100

105 99.0 79.4 119.2

106 93.7 76.7 115.1





#6

Phenol

Concen: 34.764 ng/ul

RT: 6.93 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

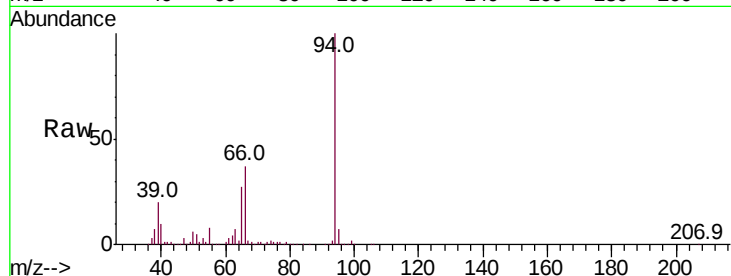
Tot Ion: 94 Resp: 1134532

Ion Ratio Lower Upper

94 100

65 27.2 21.1 31.7

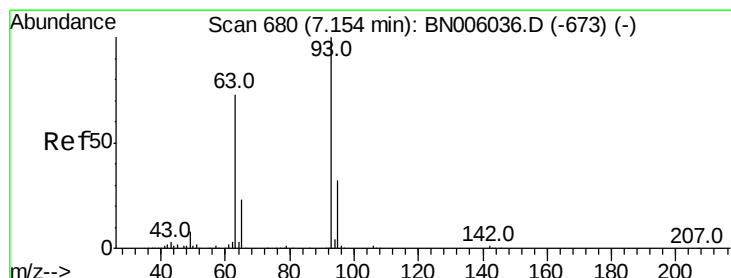
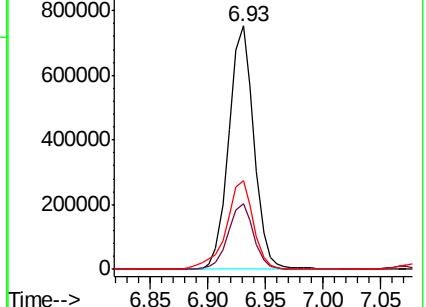
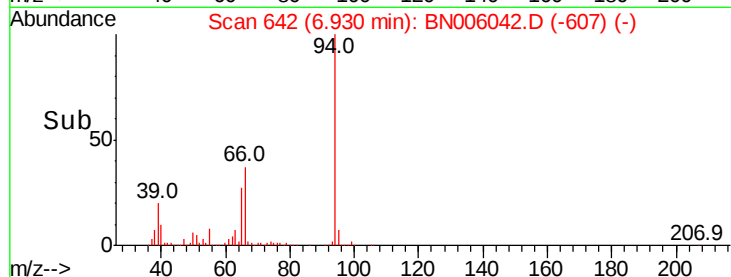
66 36.6 28.2 42.2



Abundance Ion 94.00 (93.70 to 94.70): BN006036.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BN006036.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BN006036.D (-633) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.004 ng/ul

RT: 7.09 min Scan# 670

Delta R.T. -0.06 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

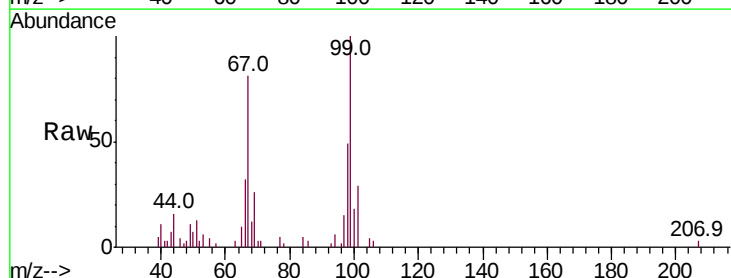
Tgt Ion: 93 Resp: 112

Ion Ratio Lower Upper

93 100

63 123.0 58.5 87.7#

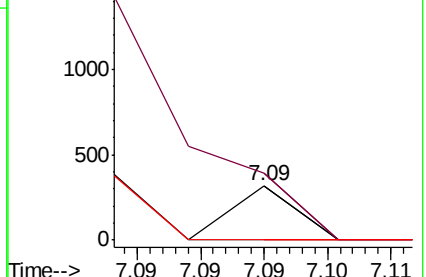
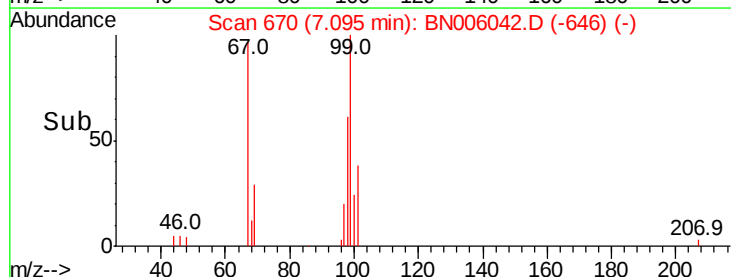
95 0.0 25.7 38.5#

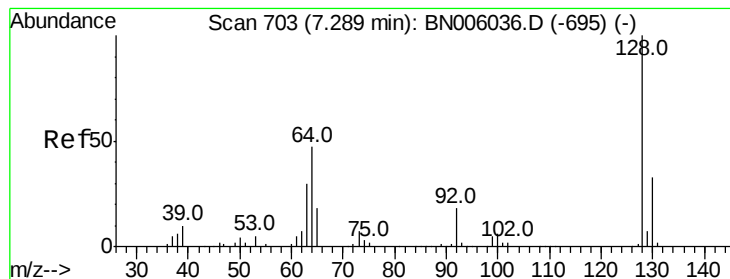


Abundance Ion 93.00 (92.70 to 93.70): BN006036.D (-673) (-)

Ion 63.00 (62.70 to 63.70): BN006036.D (-673) (-)

Ion 95.00 (94.70 to 95.70): BN006036.D (-673) (-)





#10

2-Chlorophenol

Concen: 22.885 ng/ul

RT: 7.29 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

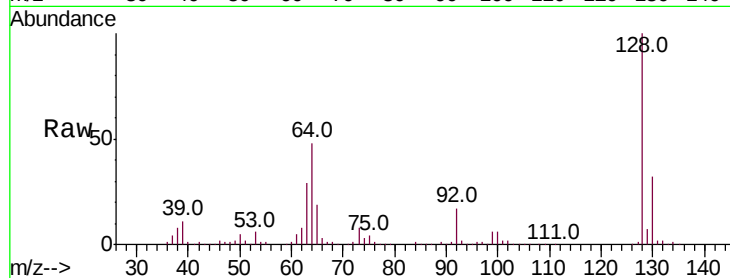
Tot Ion:128 Resp: 586397

Ion Ratio Lower Upper

128 100

64 48.2 38.7 58.1

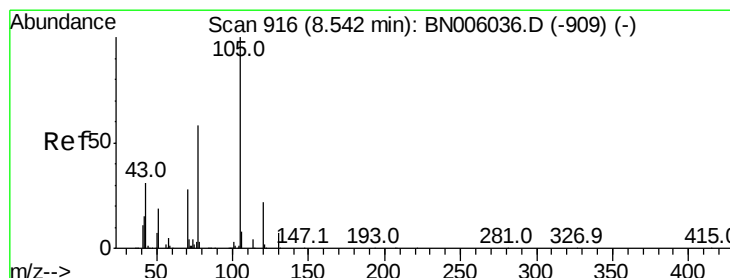
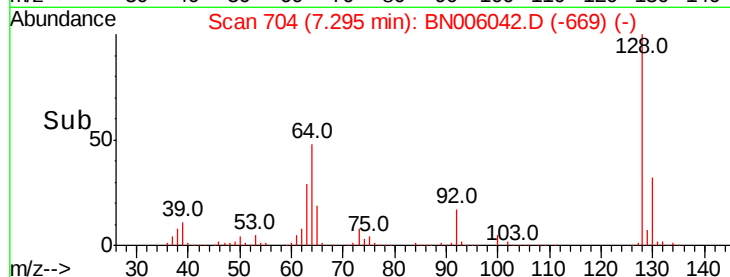
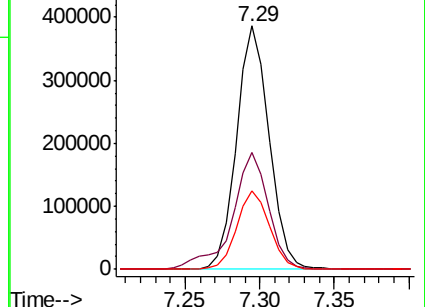
130 32.5 26.0 39.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#14

Acetophenone

Concen: 0.059 ng/ul

RT: 8.55 min Scan# 917

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

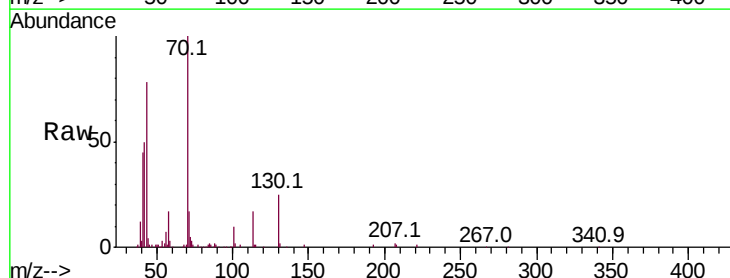
Tgt Ion:105 Resp: 2248

Ion Ratio Lower Upper

105 100

77 84.4 62.6 93.8

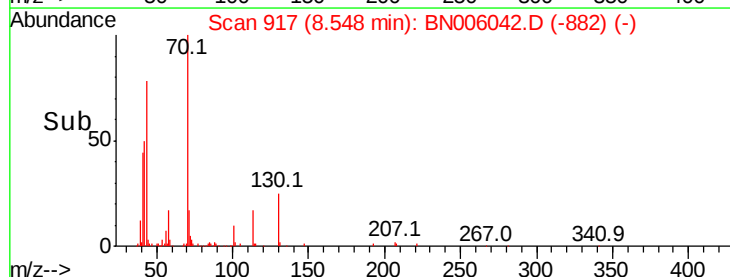
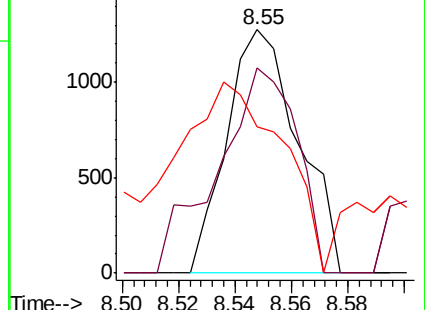
51 59.9 21.2 31.8#

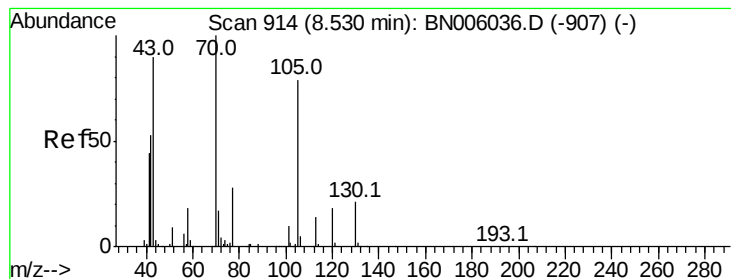


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC





#15

N-Nitroso-di-n-propylamine

Concen: 25.936 ng/ul

RT: 8.54 min Scan# 915

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 508444

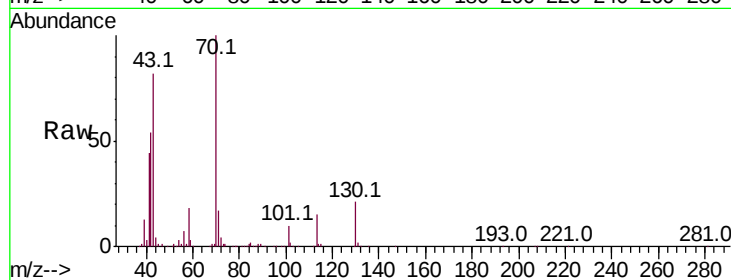
Ion Ratio Lower Upper

70 100

42 54.0 43.3 64.9

101 9.8 7.8 11.8

130 21.3 16.9 25.3

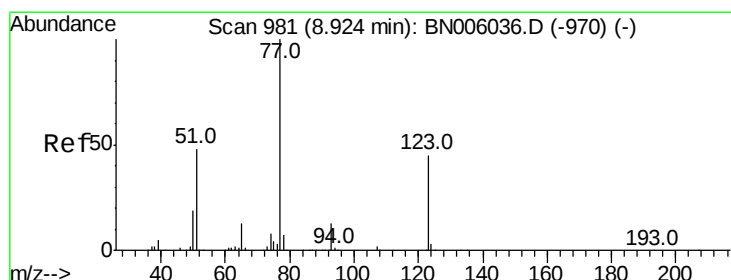
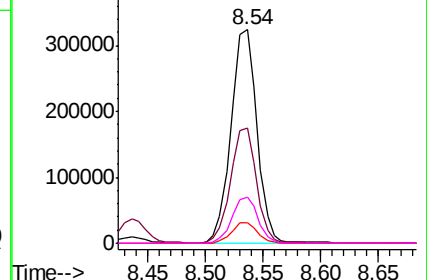
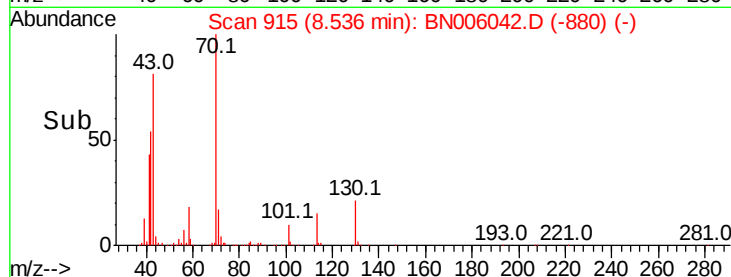


Abundance Ion 70.00 (69.70 to 70.70): BN0

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



#20

Nitrobenzene

Concen: 21.090 ng/ul

RT: 8.93 min Scan# 982

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

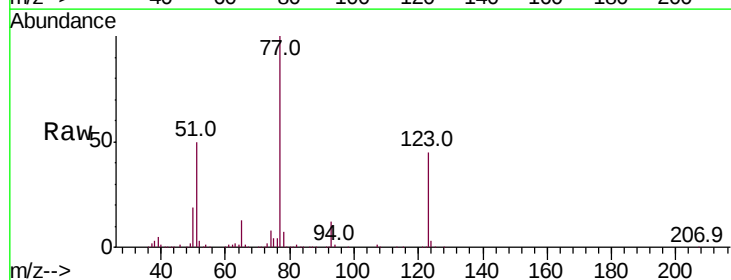
Tgt Ion: 77 Resp: 609975

Ion Ratio Lower Upper

77 100

123 45.1 35.8 53.8

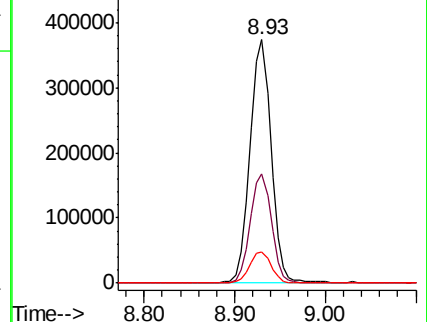
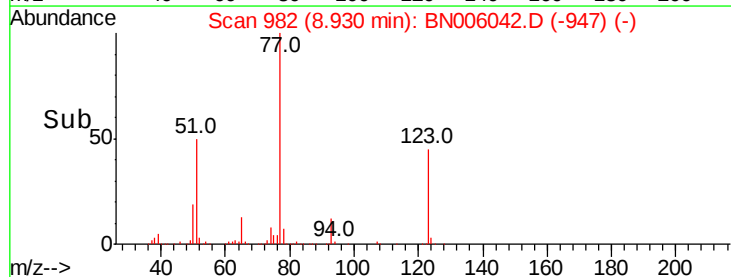
65 12.8 10.7 16.1

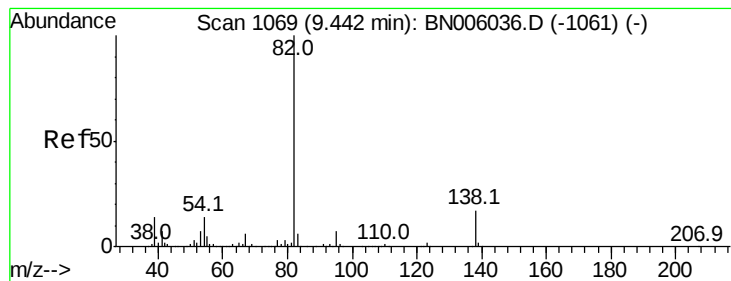


Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BN0





#21

Isophorone

Concen: 0.009 ng/ul

RT: 9.45 min Scan# 1070

Delta R.T. 0.01 min

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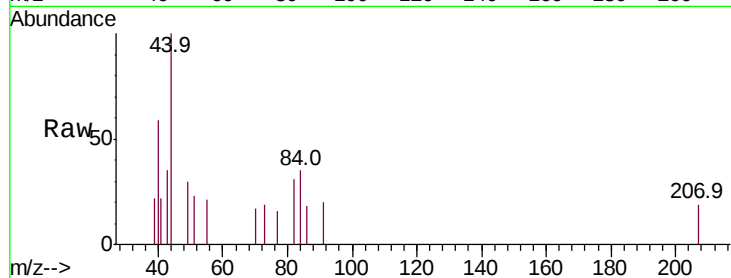
Tot Ion: 82 Resp: 469

Ion Ratio Lower Upper

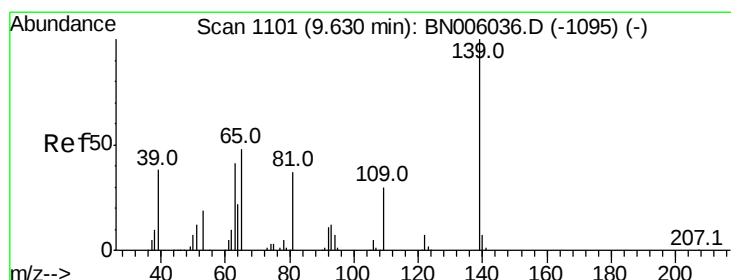
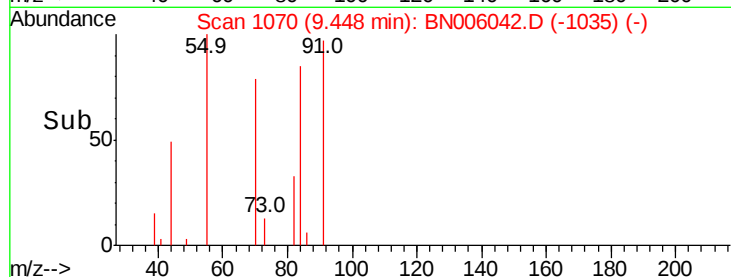
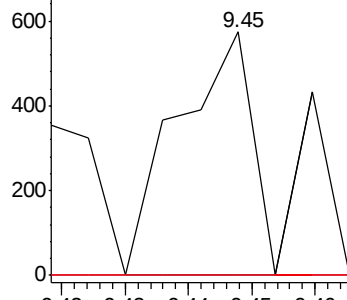
82 100

95 0.0 5.7 8.5#

138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BN006036.D (-1061) (-)



#23

2-Nitrophenol

Concen: 22.990 ng/ul

RT: 9.64 min Scan# 1102

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

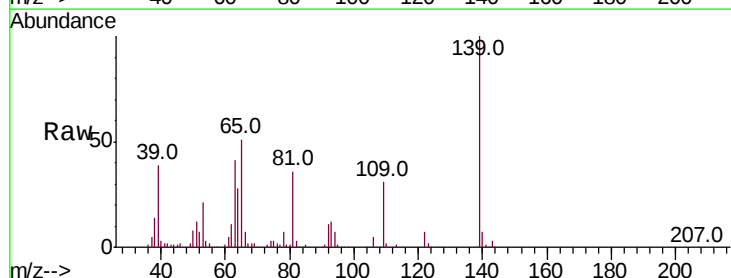
Tgt Ion:139 Resp: 329963

Ion Ratio Lower Upper

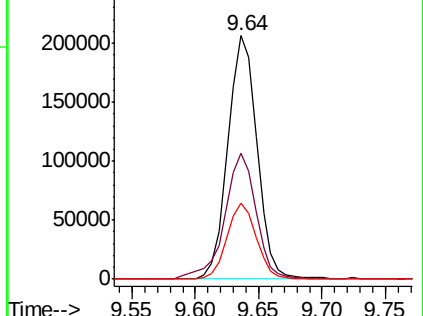
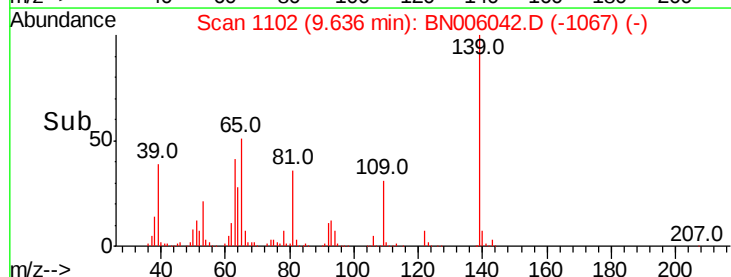
139 100

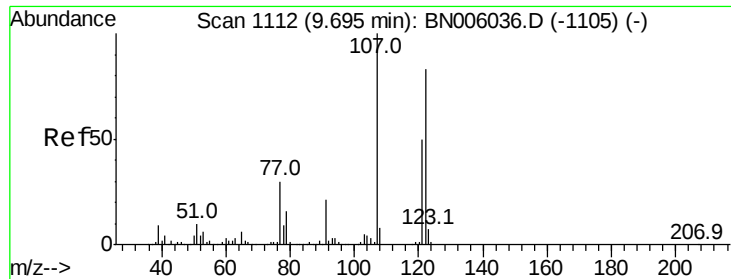
65 51.5 40.9 61.3

109 31.0 24.6 36.8



Abundance Ion 139.00 (138.70 to 139.70): BN006036.D (-1095) (-)





#24

2,4-Dimethylphenol

Concen: 0.052 ng/ul

RT: 9.64 min Scan# 1102

Delta R.T. -0.06 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

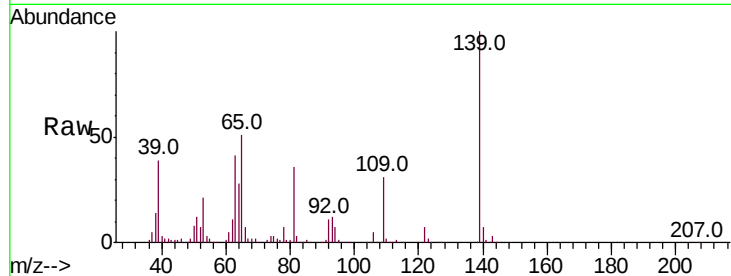
Tot Ion:107 Resp: 1533

Ion Ratio Lower Upper

107 100

121 0.0 40.0 60.0#

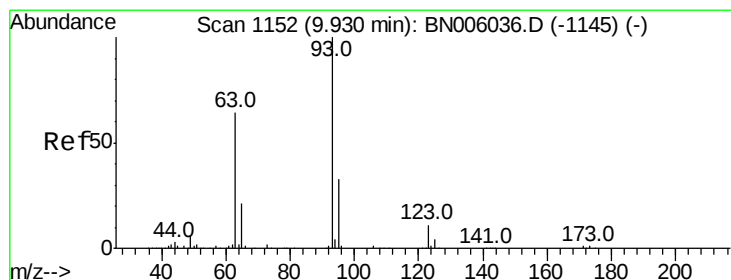
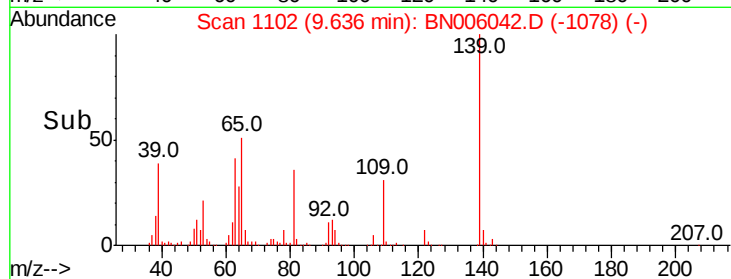
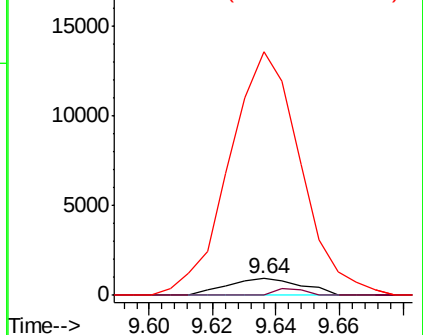
122 1475.6 66.7 100.1#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 0.010 ng/ul

RT: 9.95 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

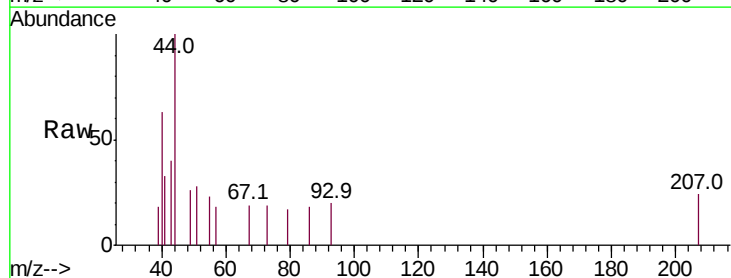
Tgt Ion: 93 Resp: 365

Ion Ratio Lower Upper

93 100

95 0.0 26.2 39.4#

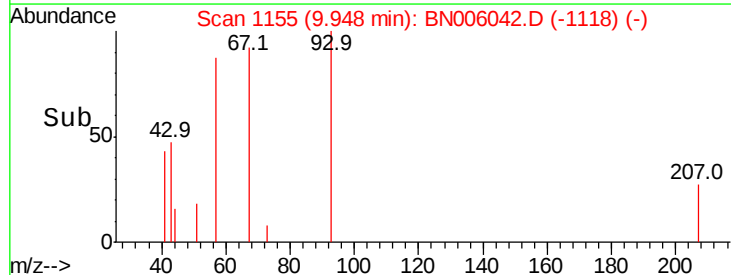
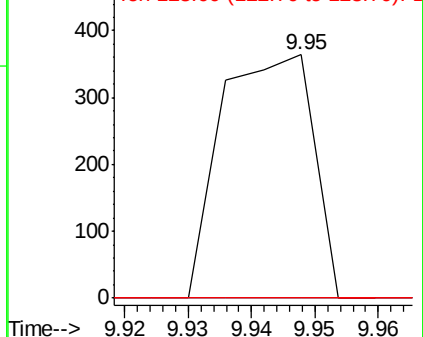
123 0.0 9.1 13.7#

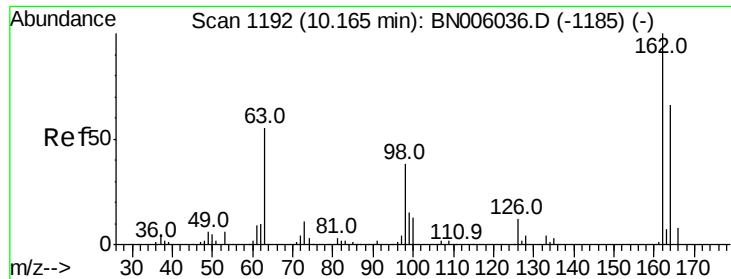


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

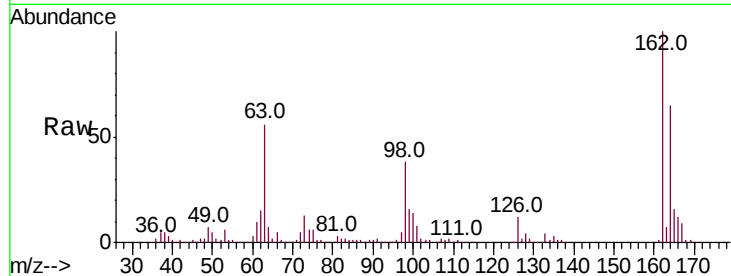




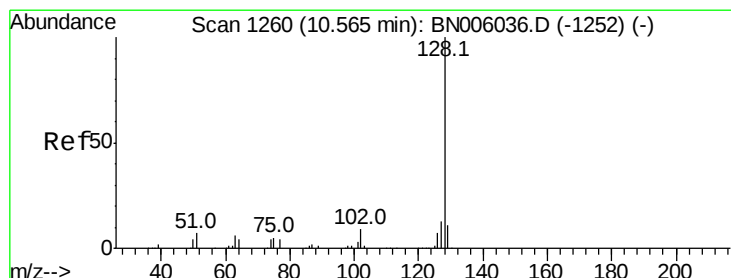
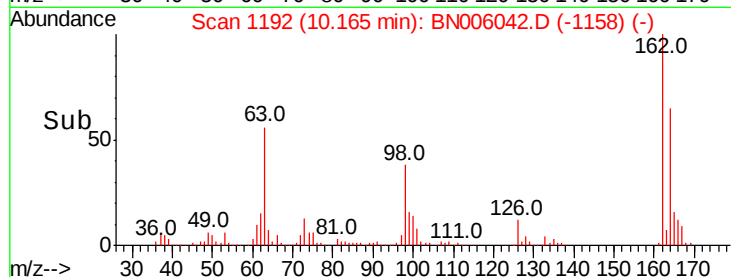
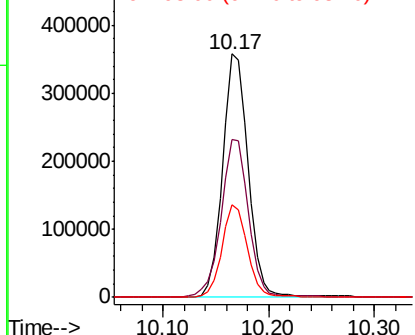
#27
2,4-Dichlorophenol
Concen: 24.887 ng/ul
RT: 10.17 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Instrument :
BNA_N
ClientSampled :

Tot Ion:162 Resp: 603129
Ion Ratio Lower Upper
162 100
164 65.1 53.9 80.9
98 38.1 30.7 46.1

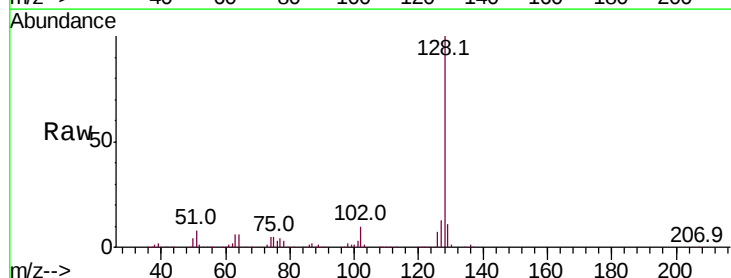


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNO

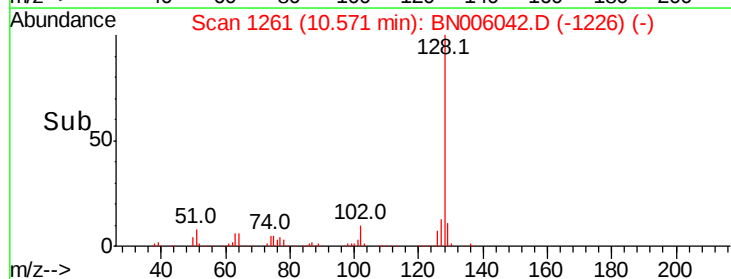
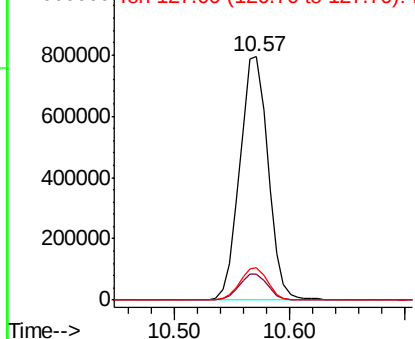


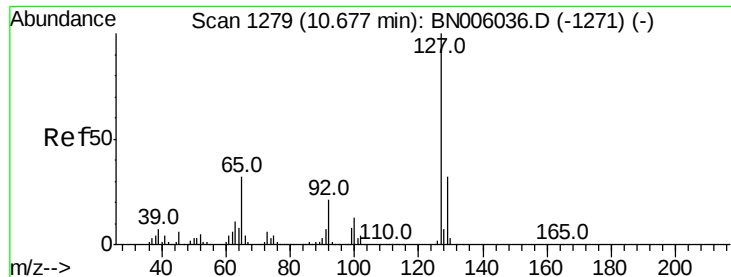
#28
Naphthalene
Concen: 16.858 ng/ul
RT: 10.57 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:128 Resp: 1355771
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.2 10.6 16.0



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

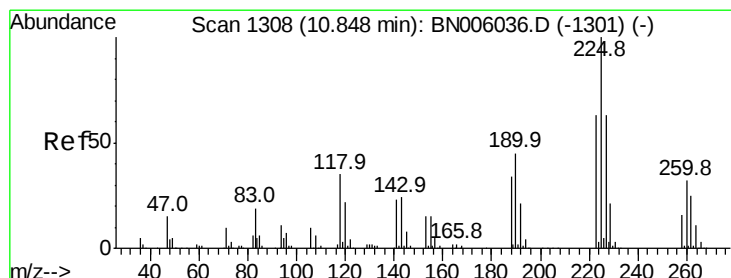
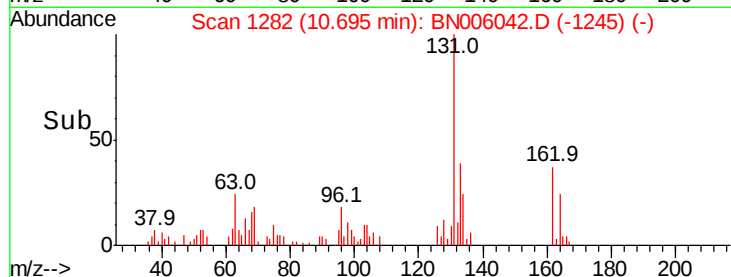
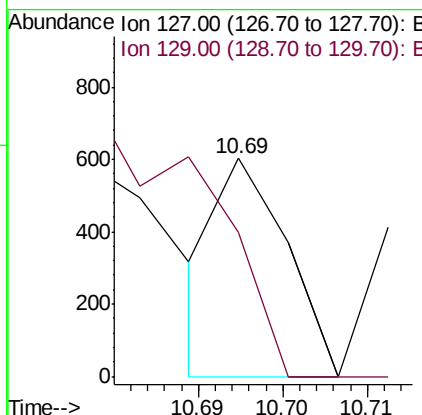
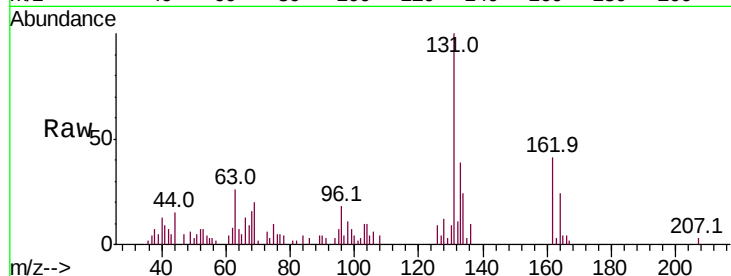




#30
4-Chloroaniline
Concen: 0.011 ng/ul
RT: 10.69 min Scan# 1282
Delta R.T. 0.02 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

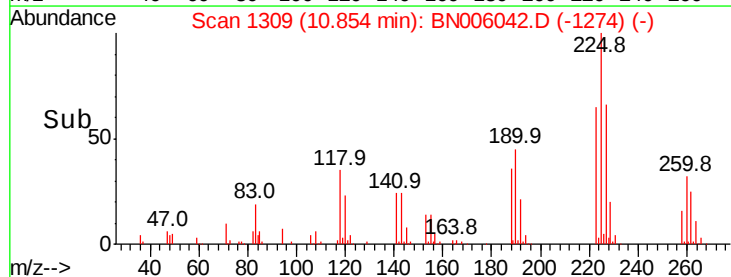
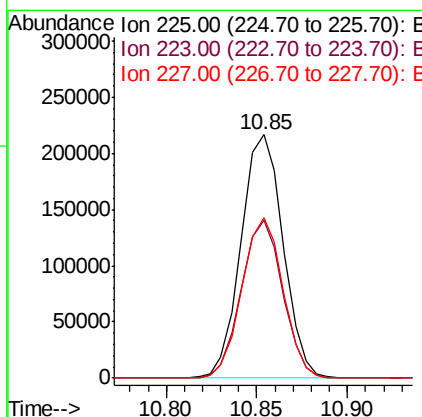
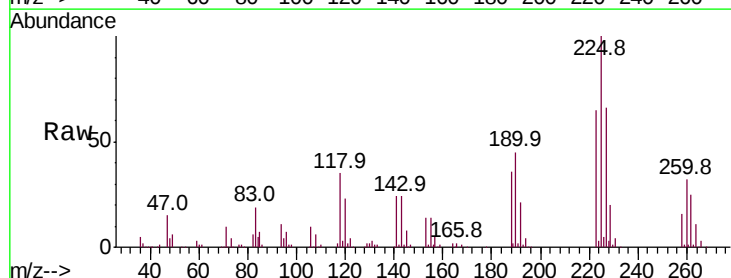
Instrument :
BNA_N
ClientSampled :

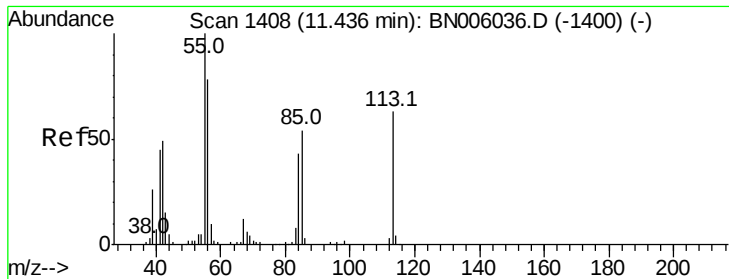
Tot Ion:127 Resp: 344
Ion Ratio Lower Upper
127 100
129 66.2 25.8 38.8#



#31
Hexachlorobutadiene
Concen: 24.406 ng/ul
RT: 10.85 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:225 Resp: 349985
Ion Ratio Lower Upper
225 100
223 64.7 50.1 75.1
227 65.8 50.0 75.0





#32

Caprolactam

Concen: 0.043 ng/ul

RT: 11.51 min Scan# 1420

Delta R.T. 0.07 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampled :

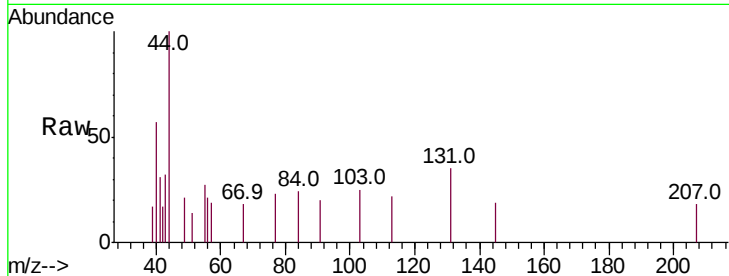
Tot Ion:113 Resp: 389

Ion Ratio Lower Upper

113 100

55 121.2 127.4 191.0#

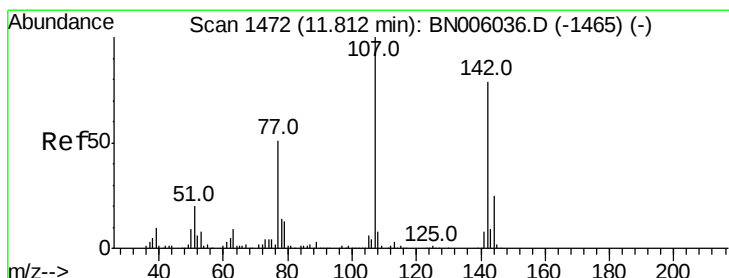
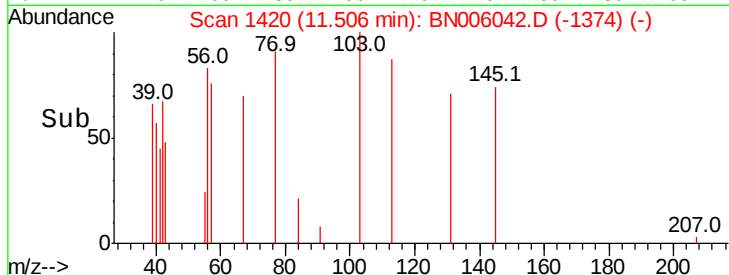
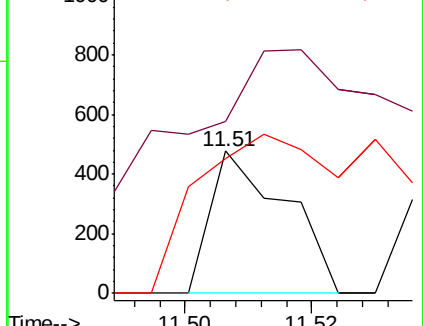
56 95.2 98.9 148.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#33

4-Chloro-3-methylphenol

Concen: 41.106 ng/ul

RT: 11.81 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

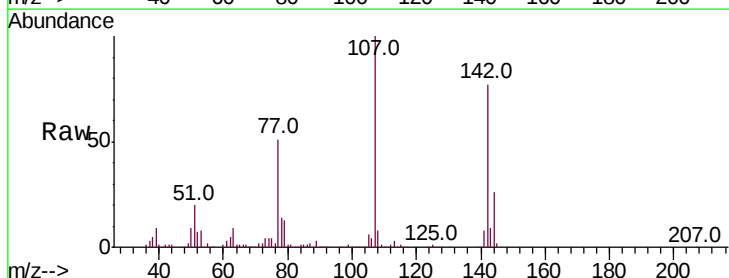
Tgt Ion:107 Resp: 1132226

Ion Ratio Lower Upper

107 100

144 25.7 20.0 30.0

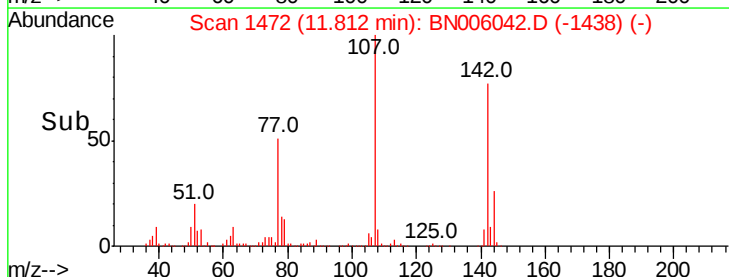
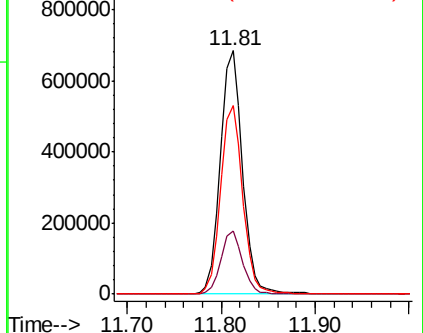
142 77.4 63.1 94.7

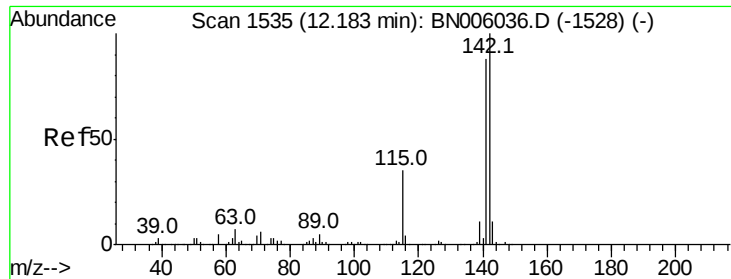


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#34

2-Methylnaphthalene

Concen: 0.008 ng/ul

RT: 12.05 min Scan# 1513

Delta R.T. -0.13 min

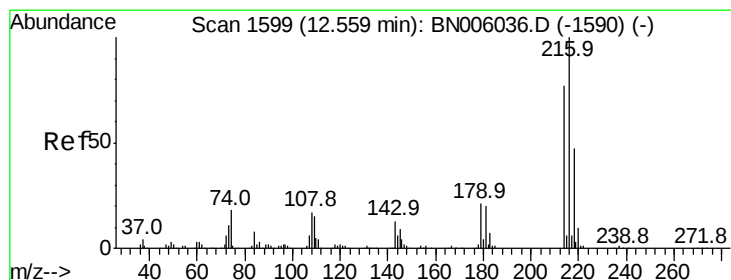
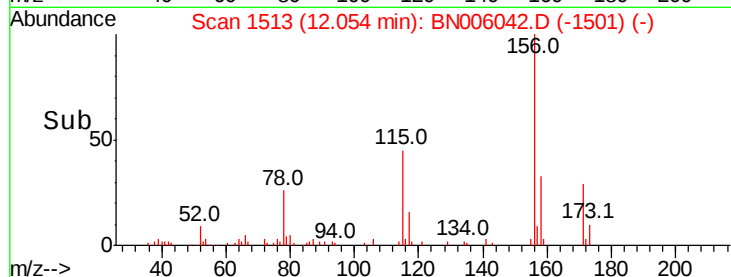
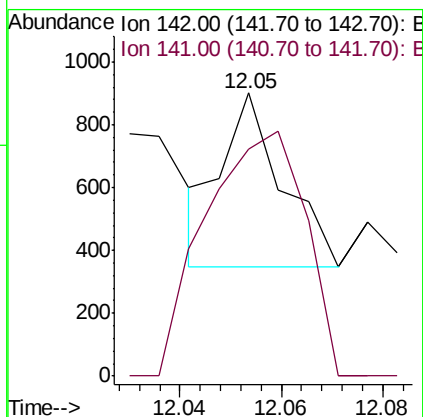
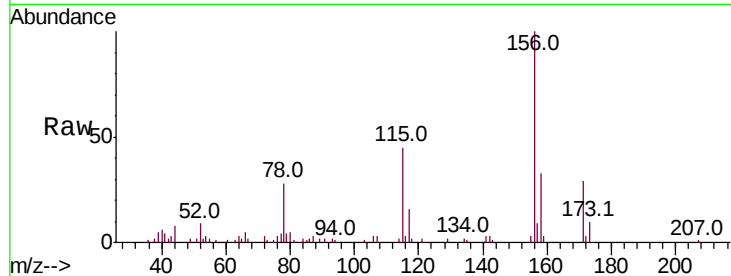
Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :
BNA_N
ClientSampled :

Tot Ion:142 Resp: 452

Ion	Ratio	Lower	Upper
142	100		
141	80.2	70.4	105.6



#36

1,2,4,5-Tetrachlorobenzene

Concen: 19.025 ng/ul

RT: 12.56 min Scan# 1599

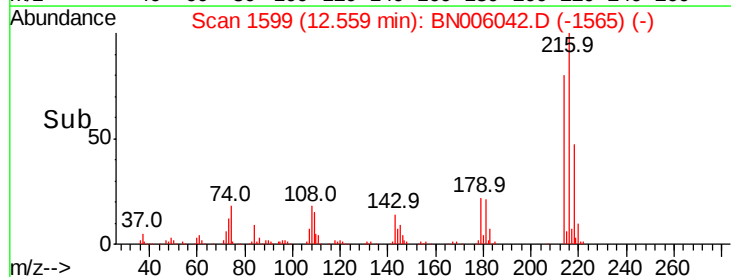
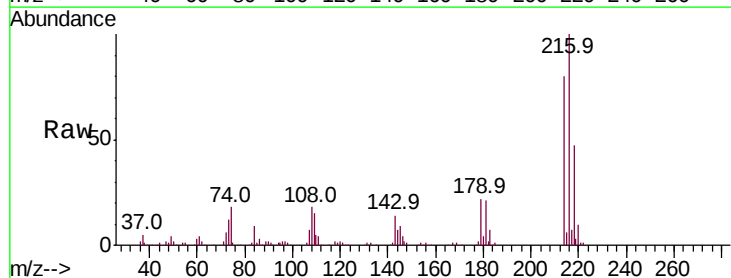
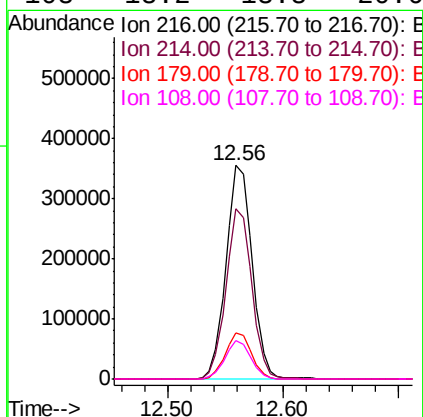
Delta R.T. 0.00 min

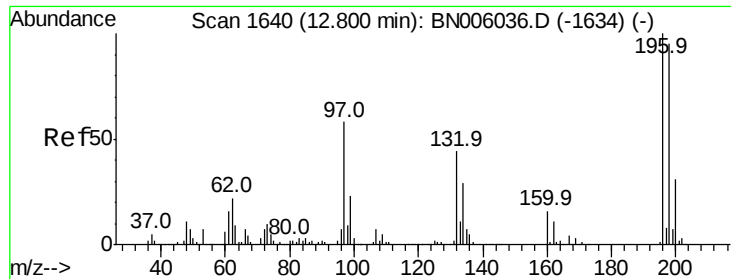
Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Tgt Ion:216 Resp: 560153

Ion	Ratio	Lower	Upper
216	100		
214	79.8	61.8	92.8
179	21.7	16.6	24.8
108	18.2	13.8	20.6

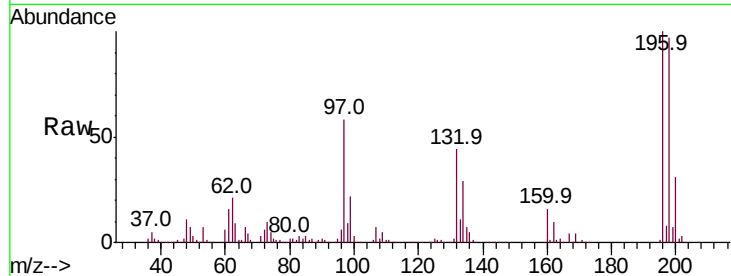




#38
 2,4,6-Trichlorophenol
 Concen: 36.076 ng/ul
 RT: 12.81 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	196	Resp	697989
Ion Ratio	Lower	Upper	
196	100		
198	96.9	76.2	114.2
200	31.4	24.9	37.3

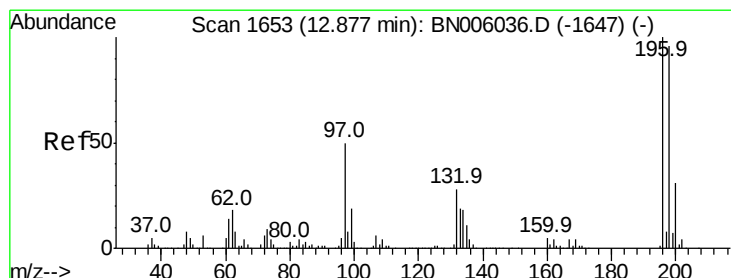
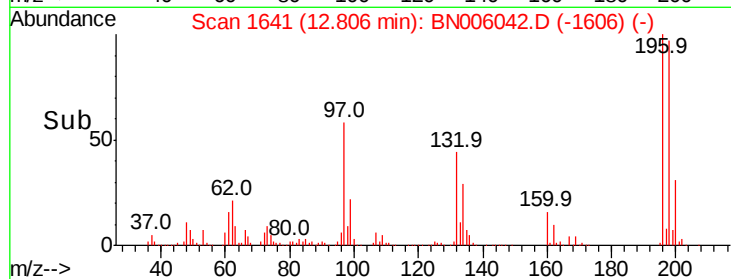
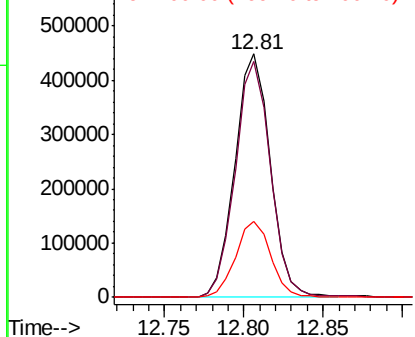


Abundance

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: 31.049 ng/ul
 RT: 12.81 min Scan# 1641
 Delta R.T. -0.07 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

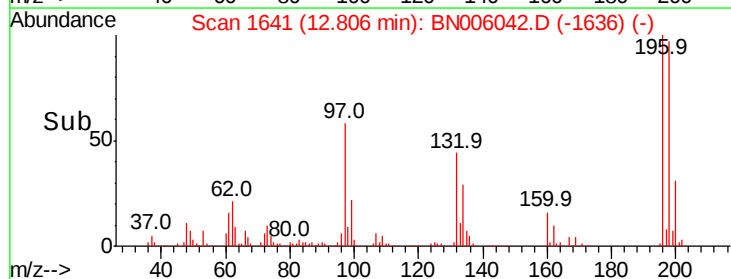
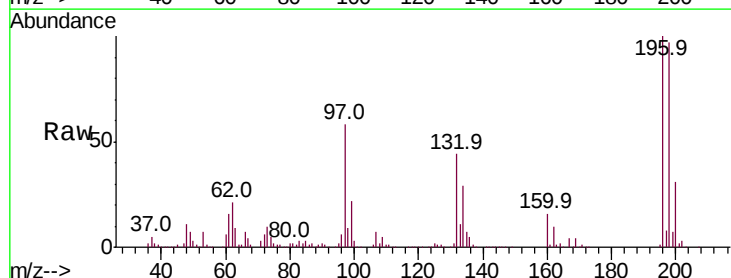
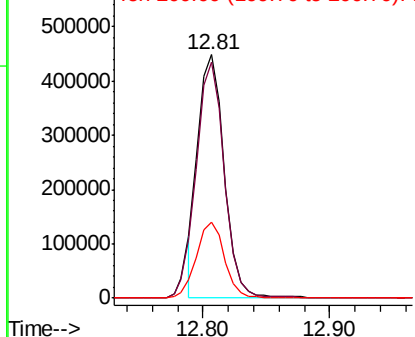
Tgt Ion	196	Resp	640025
Ion Ratio	Lower	Upper	
196	100		
198	96.9	76.9	115.3
200	31.4	24.8	37.2

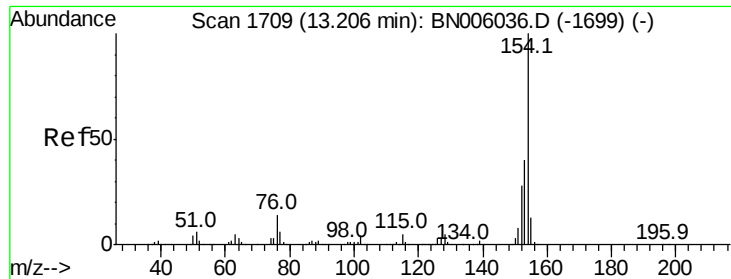
Abundance

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

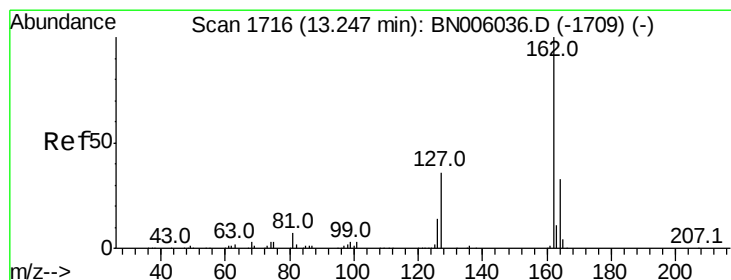
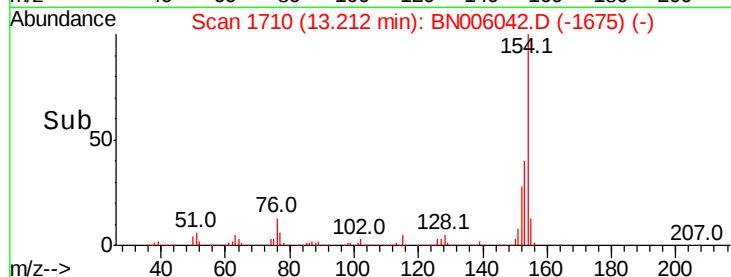
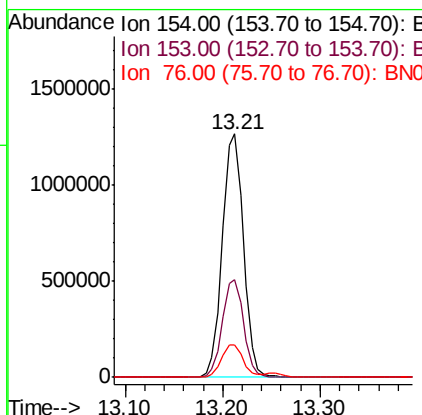
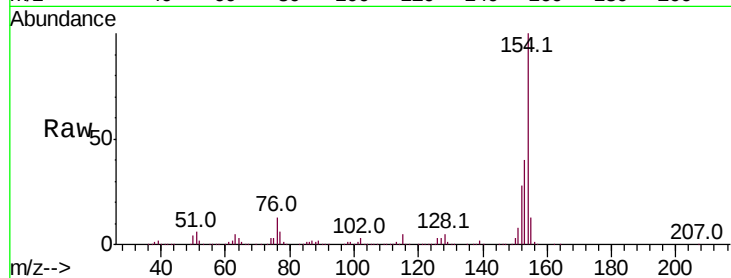




#40
1,1'-Biphenyl
Concen: 25.441 ng/ul
RT: 13.21 min Scan# 1710
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

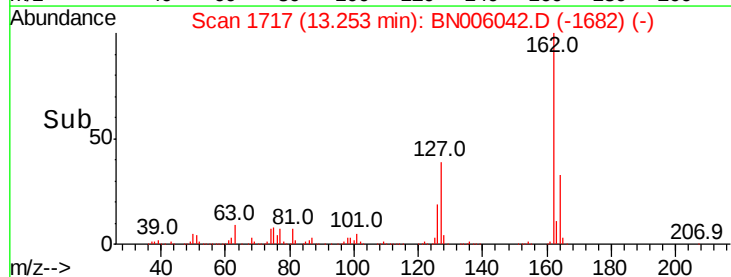
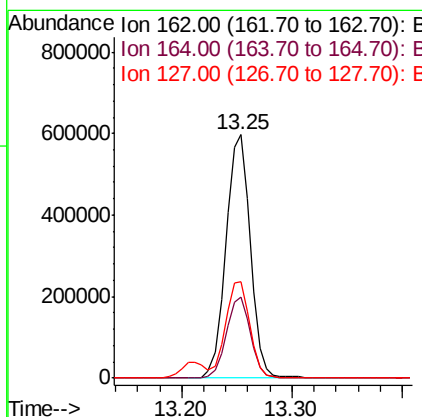
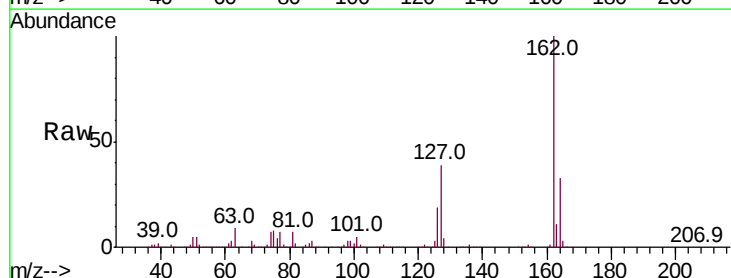
Instrument :
BNA_N
ClientSampleId :

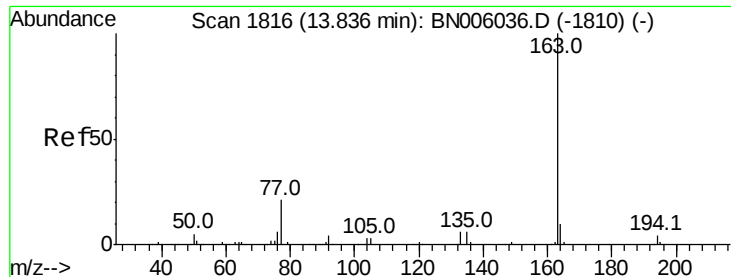
Tot Ion:154 Resp: 1911815
Ion Ratio Lower Upper
154 100
153 40.1 32.3 48.5
76 13.4 11.0 16.6



#41
2-Chloronaphthalene
Concen: 15.943 ng/ul
RT: 13.25 min Scan# 1717
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:162 Resp: 925982
Ion Ratio Lower Upper
162 100
164 33.2 26.4 39.6
127 39.4 31.7 47.5





#44

Dimethylphthalate

Concen: 27.709 ng/ul

RT: 13.84 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampled :

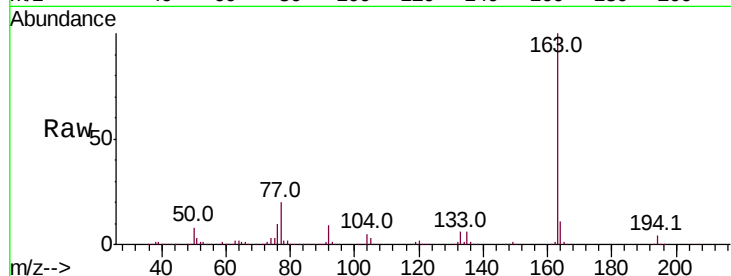
Tot Ion:163 Resp: 1934808

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.5	8.2	12.4

163 100

194 4.3 3.4 5.2

164 10.5 8.2 12.4

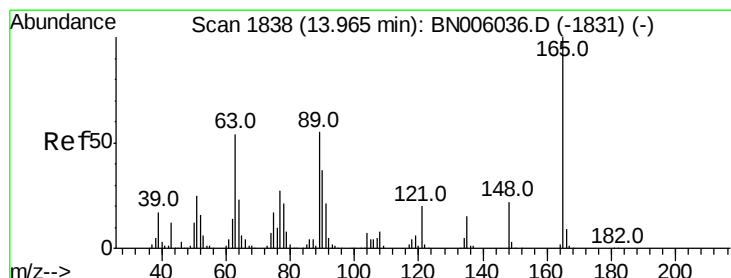
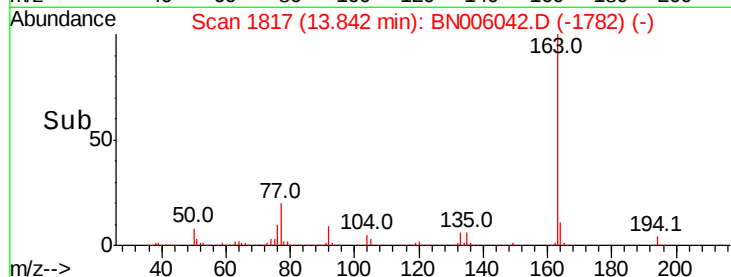
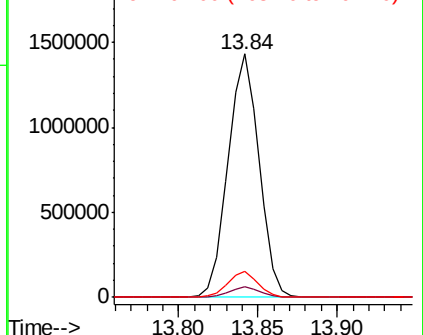


Abundance

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



#45

2,6-Dinitrotoluene

Concen: 24.611 ng/ul

RT: 13.97 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

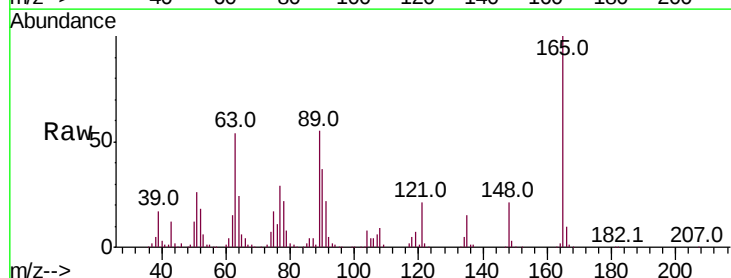
Tgt Ion:165 Resp: 361892

Ion	Ratio	Lower	Upper
165	100		
89	55.4	44.2	66.2
121	20.9	15.6	23.4

165 100

89 55.4 44.2 66.2

121 20.9 15.6 23.4

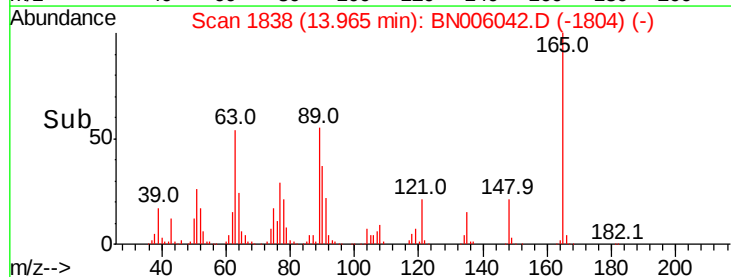
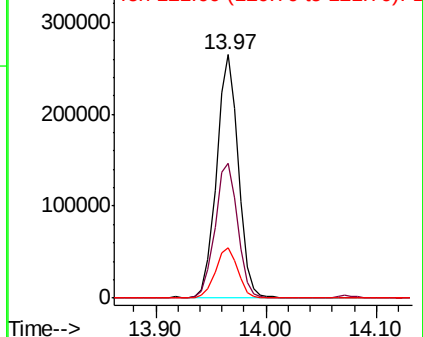


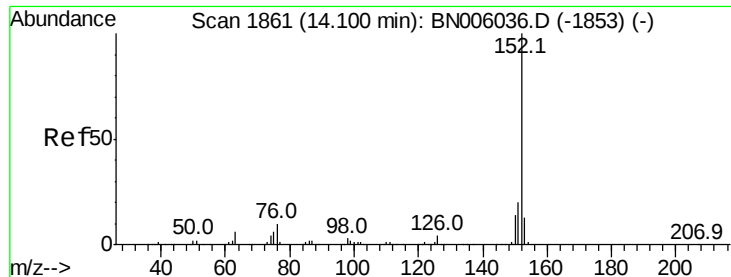
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 0.032 ng/ul

RT: 14.10 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

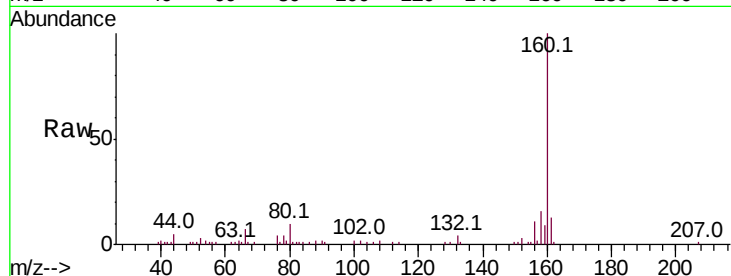
Tot Ion:152 Resp: 2898

Ion Ratio Lower Upper

152 100

151 25.1 16.2 24.2#

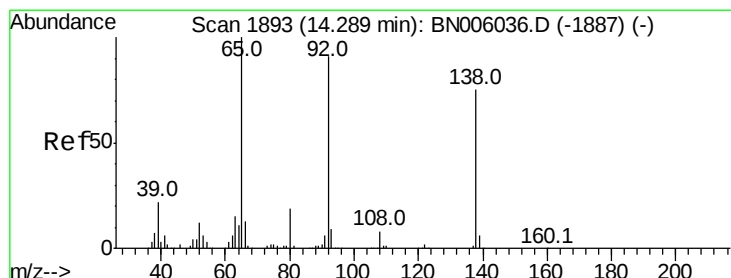
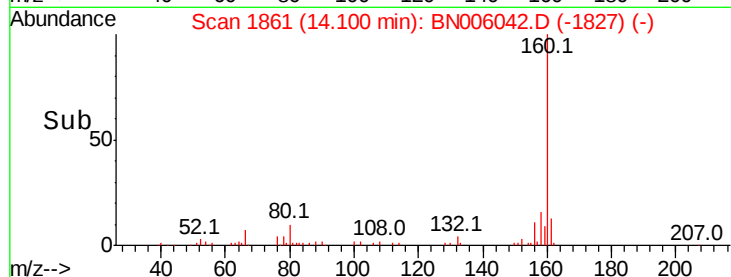
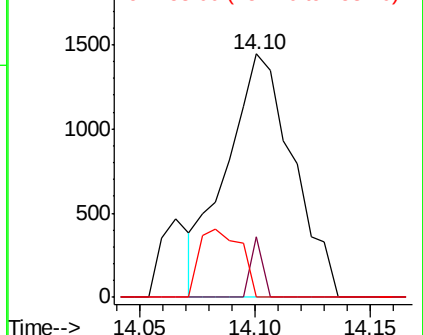
153 0.0 10.5 15.7#



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



#48

3-Nitroaniline

Concen: 0.077 ng/ul

RT: 14.44 min Scan# 1919

Delta R.T. 0.15 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

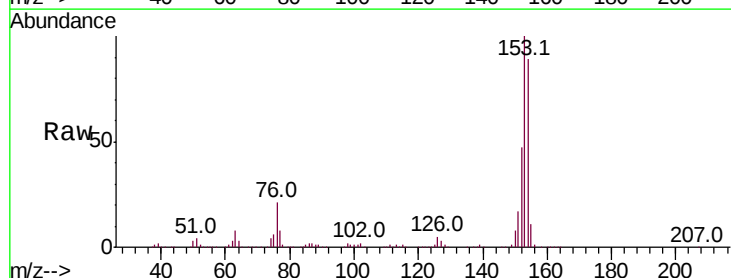
Tgt Ion:138 Resp: 1165

Ion Ratio Lower Upper

138 100

108 0.0 9.0 13.6#

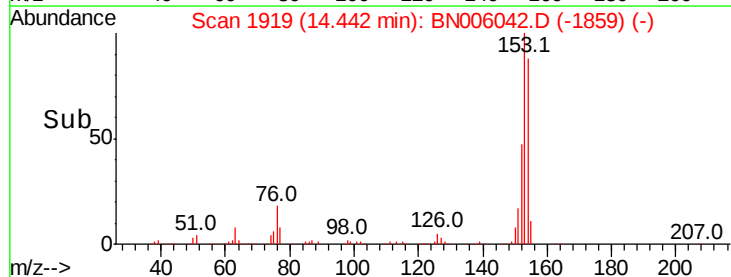
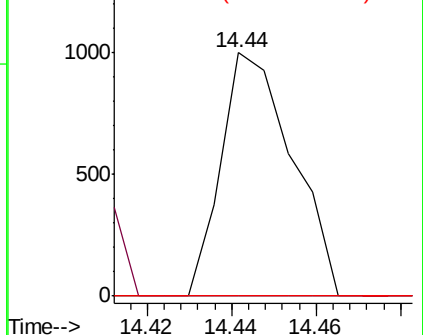
92 0.0 97.2 145.8#

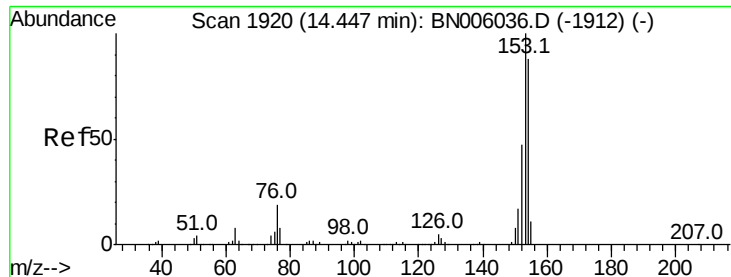


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#49

Acenaphthene

Concen: 21.789 ng/ul

RT: 14.45 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

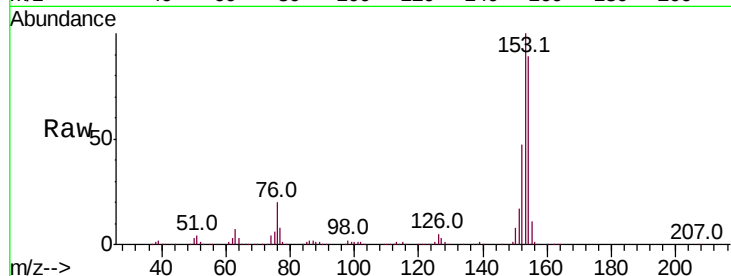
Tot Ion:153 Resp: 1309096

Ion Ratio Lower Upper

153 100

152 46.8 37.4 56.2

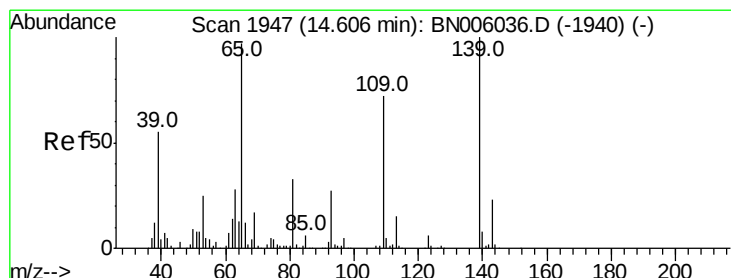
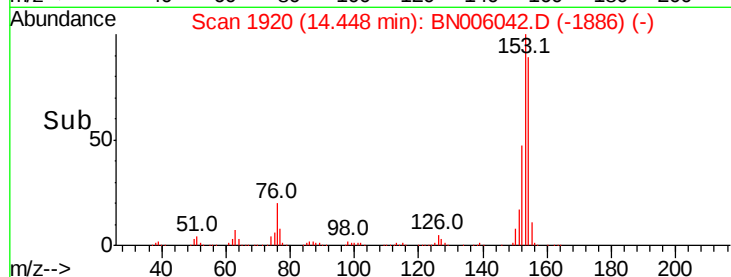
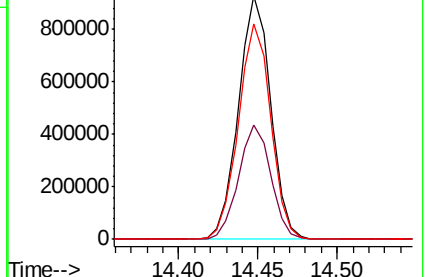
154 88.6 70.7 106.1



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: 24.495 ng/ul

RT: 14.61 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

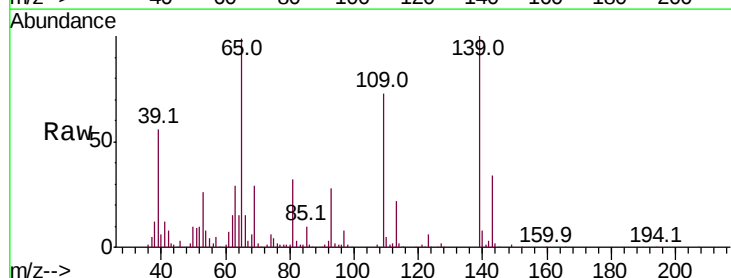
Tgt Ion:109 Resp: 241293

Ion Ratio Lower Upper

109 100

139 136.1 111.8 167.6

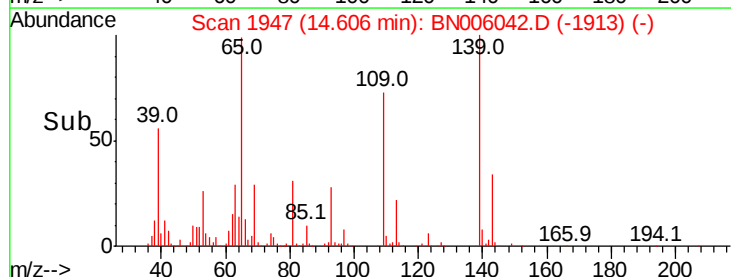
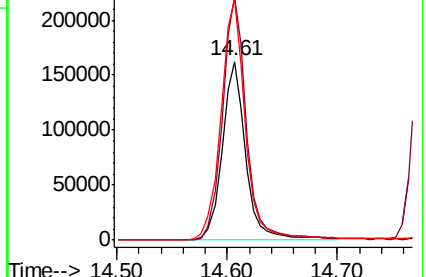
65 134.4 108.5 162.7

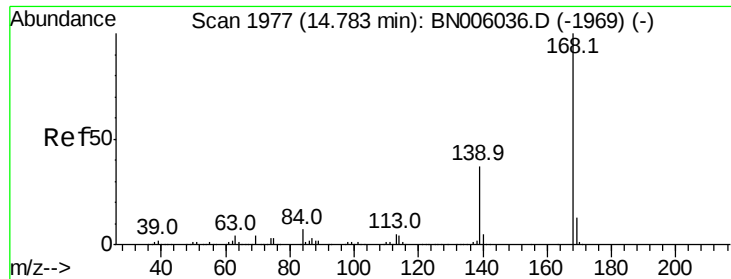


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO





#53

Dibenzofuran

Concen: 17.944 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

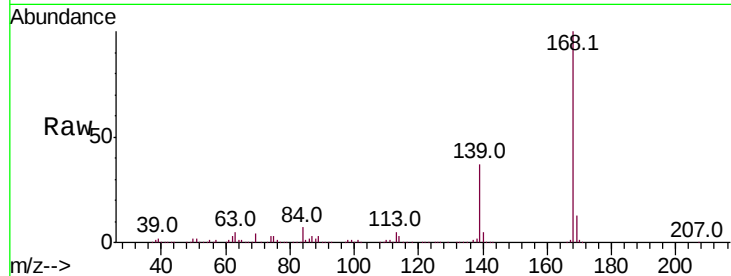
ClientSampleId :

Tot Ion:168 Resp: 1530964

Ion Ratio Lower Upper

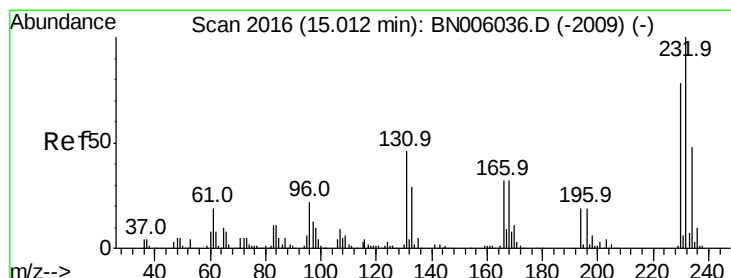
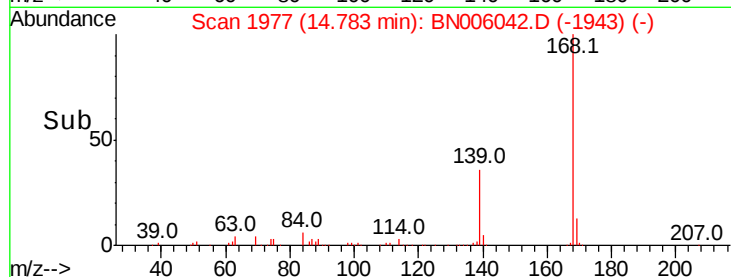
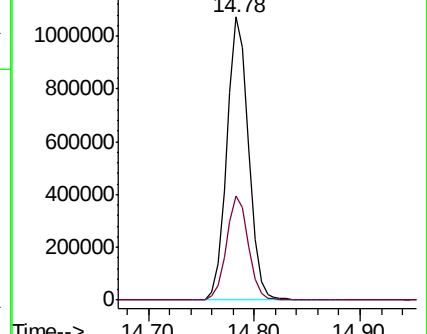
168 100

139 37.0 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 22.050 ng/ul

RT: 15.02 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Tgt Ion:232 Resp: 369408

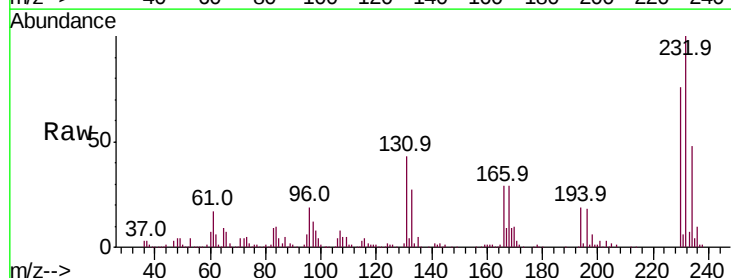
Ion Ratio Lower Upper

232 100

131 42.5 36.9 55.3

130 2.2 1.8 2.8

166 28.6 25.9 38.9

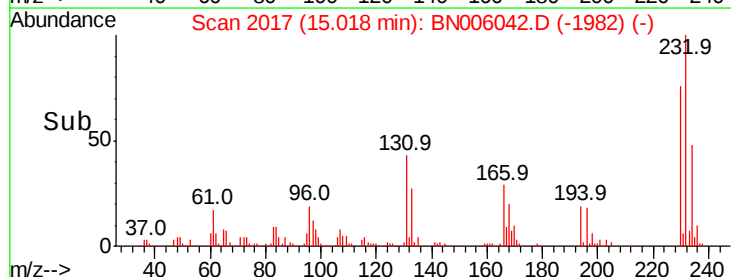
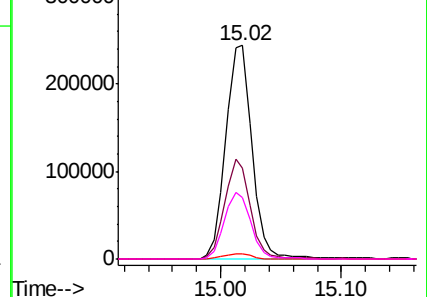


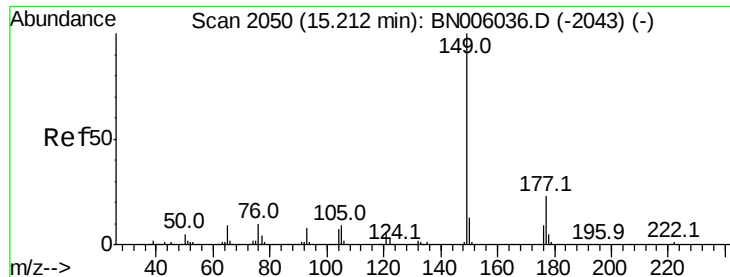
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

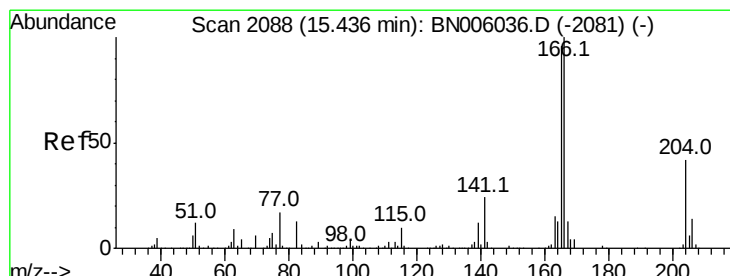
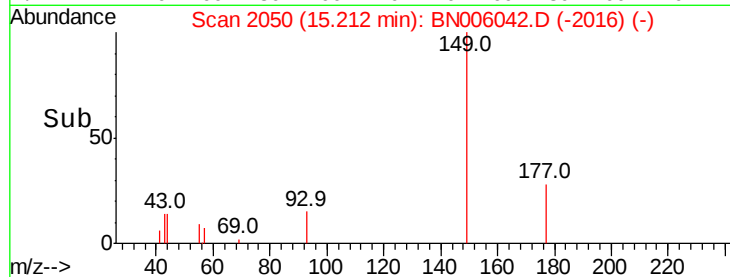
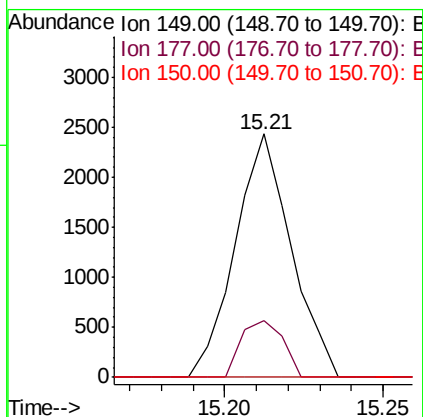
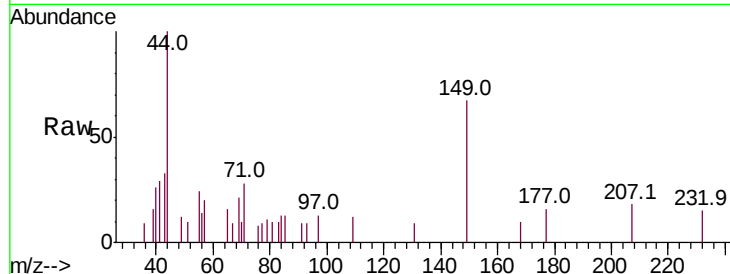




#56
Diethylphthalate
Concen: 0.043 ng/ul
RT: 15.21 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

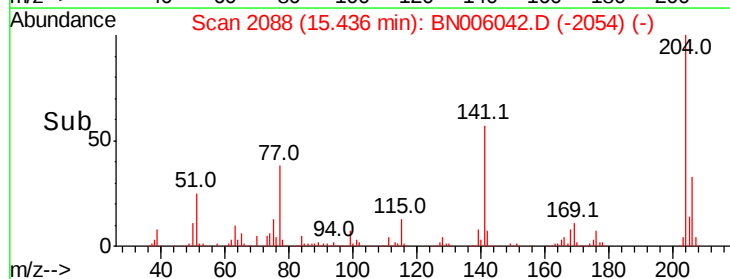
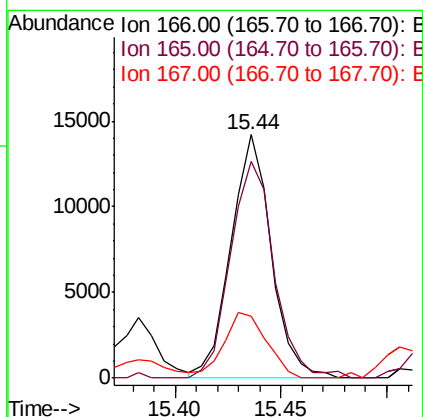
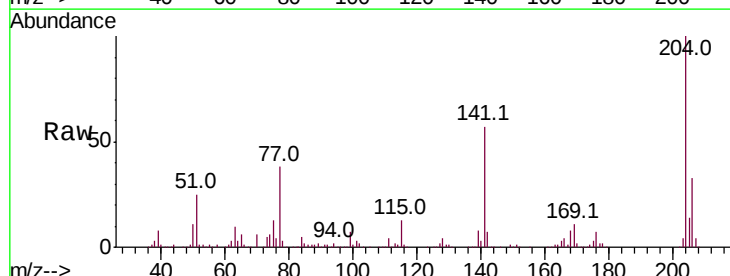
Instrument :
BNA_N
ClientSampleId :

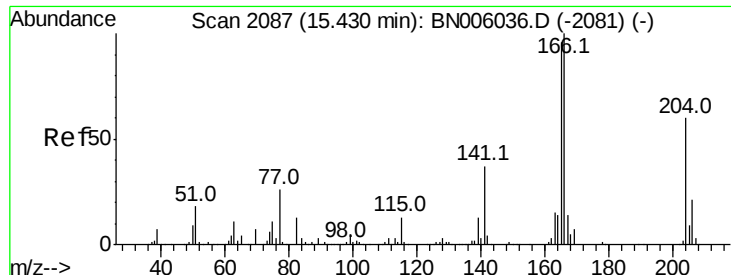
Tot Ion:149 Resp: 2983
Ion Ratio Lower Upper
149 100
177 23.5 18.4 27.6
150 0.0 10.1 15.1#



#58
Fluorene
Concen: 0.285 ng/ul
RT: 15.44 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:166 Resp: 18815
Ion Ratio Lower Upper
166 100
165 88.8 76.6 115.0
167 25.2 10.8 16.2#

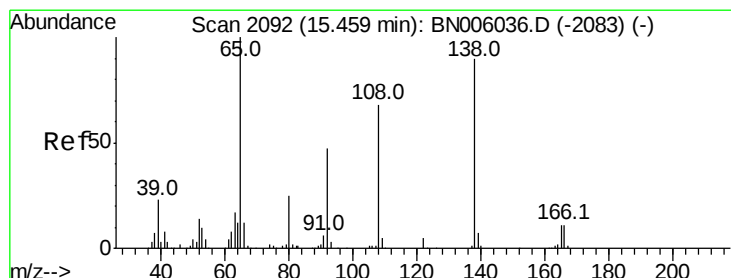
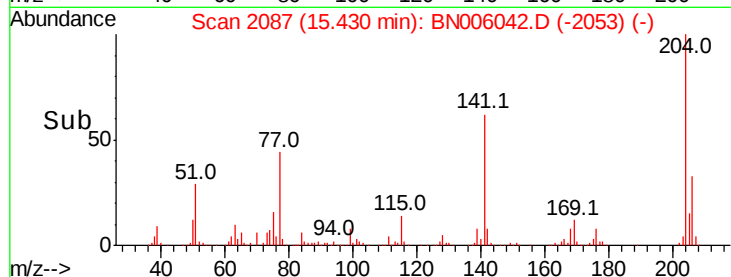
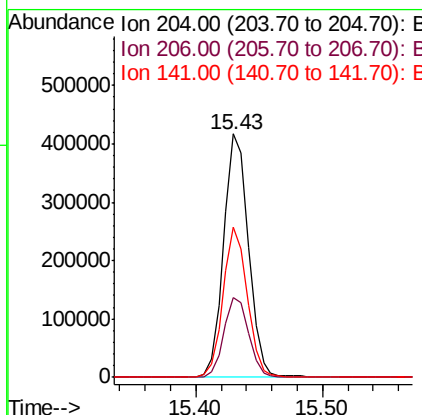
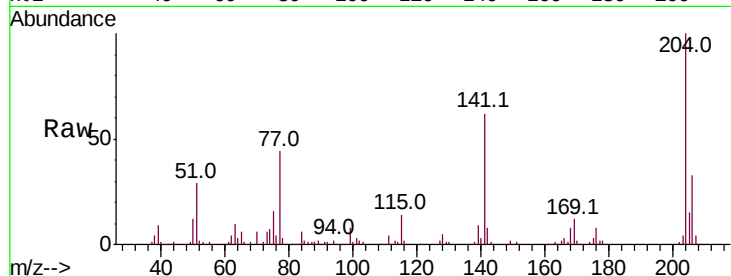




#59
 4-Chlorophenyl-phenylether
 Concen: 17.381 ng/ul
 RT: 15.43 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

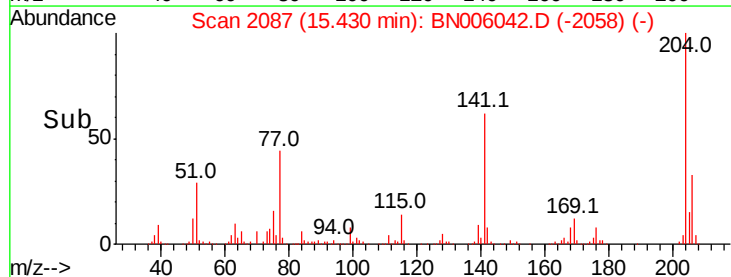
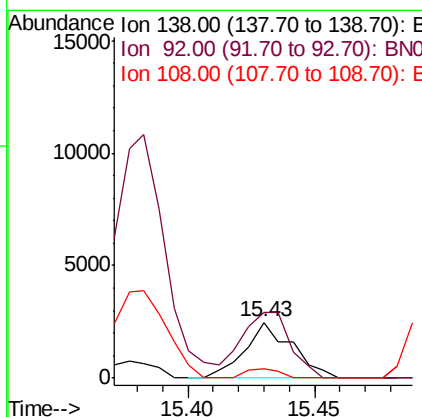
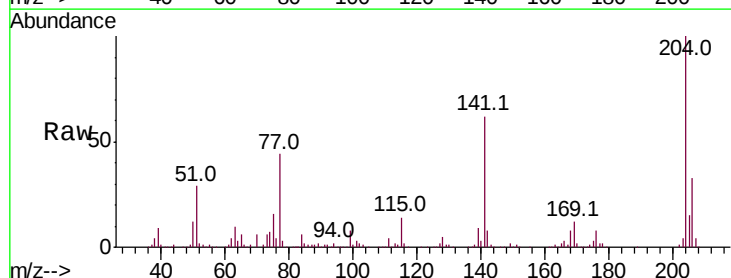
Instrument :
 BNA_N
 ClientSampled :

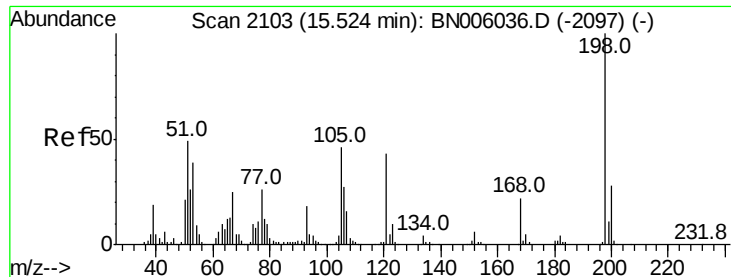
Tot Ion:204 Resp: 566288
 Ion Ratio Lower Upper
 204 100
 206 32.6 27.6 41.4
 141 61.6 49.1 73.7



#60
 4-Nitroaniline
 Concen: 0.186 ng/ul
 RT: 15.43 min Scan# 2087
 Delta R.T. -0.03 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion:138 Resp: 3214
 Ion Ratio Lower Upper
 138 100
 92 117.2 41.7 62.5#
 108 17.4 61.0 91.6#

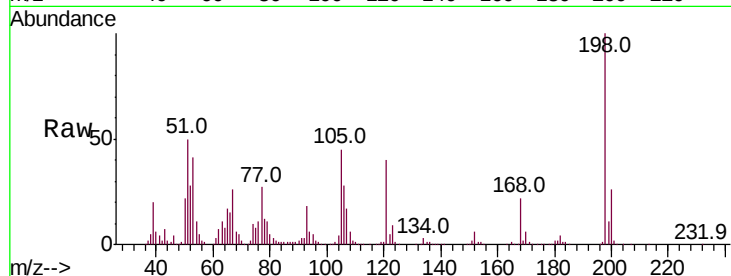




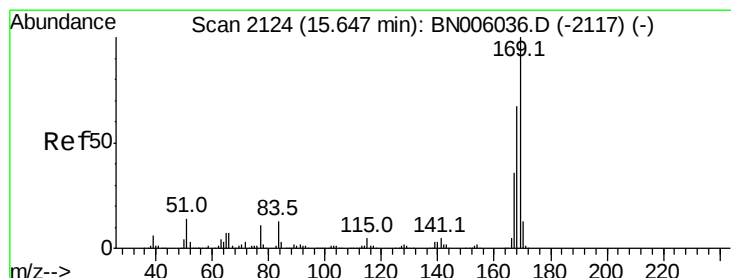
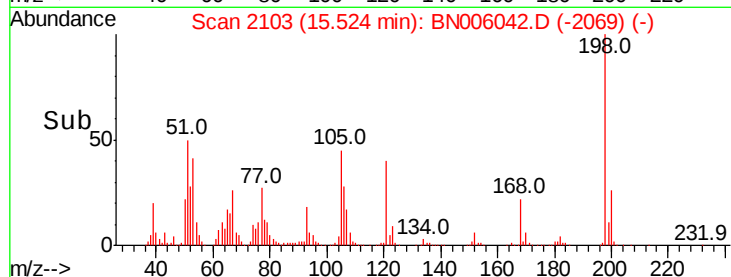
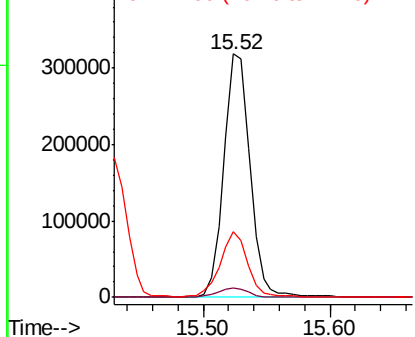
#63
 4,6-Dinitro-2-methylphenol
 Concen: 43.887 ng/ul
 RT: 15.52 min Scan# 2103
 Delta R.T. 0.00 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:198 Resp: 458296
 Ion Ratio Lower Upper
 198 100
 182 4.0 3.1 4.7
 77 26.8 21.5 32.3

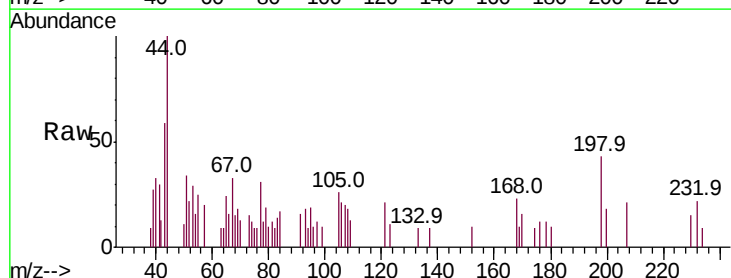


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BNC

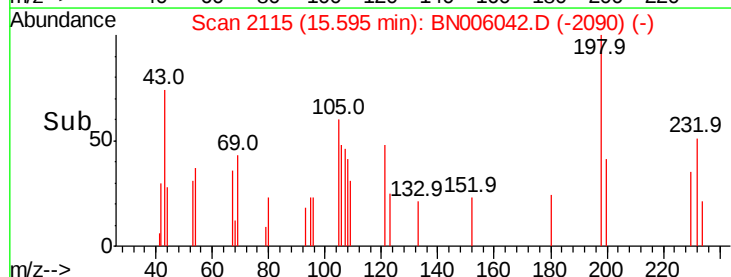
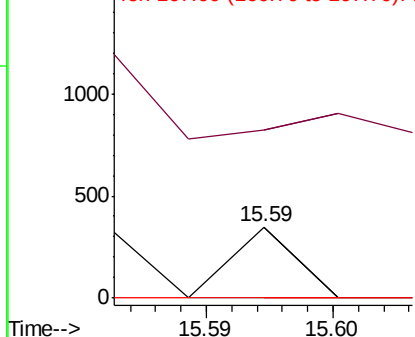


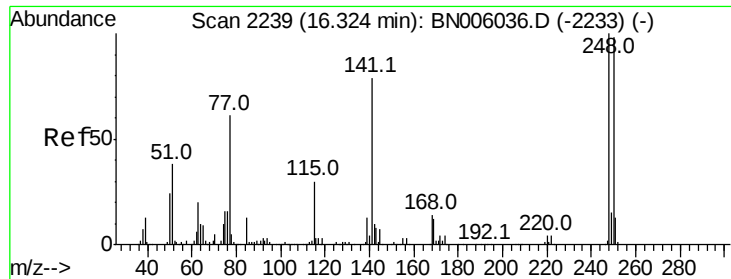
#64
 N-Nitrosodiphenylamine
 Concen: 0.002 ng/ul
 RT: 15.59 min Scan# 2115
 Delta R.T. -0.05 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion:169 Resp: 122
 Ion Ratio Lower Upper
 169 100
 168 236.9 53.4 80.2#
 167 0.0 28.6 42.8#



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

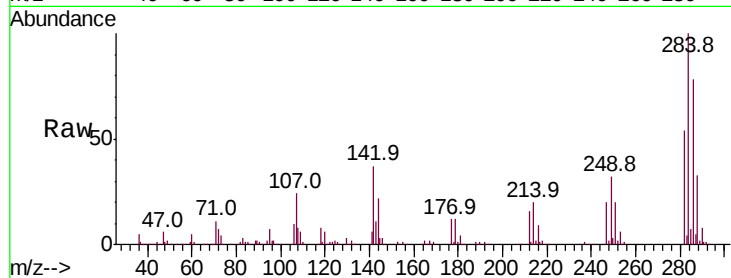




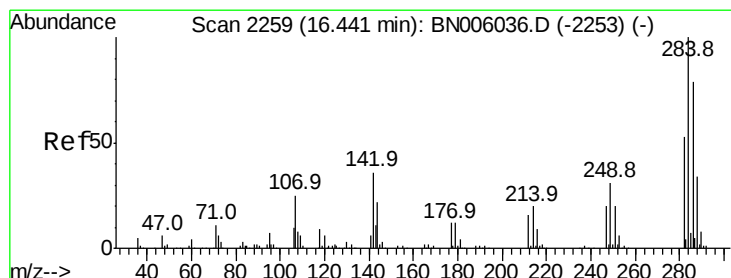
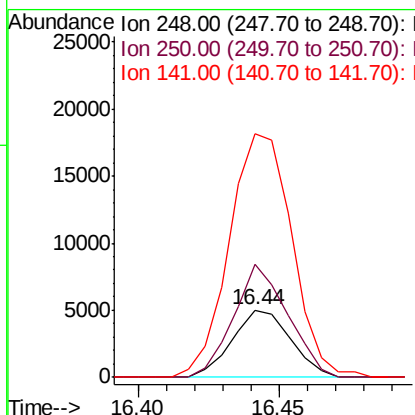
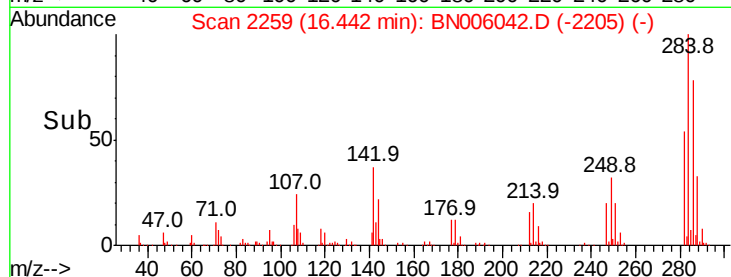
#65
4-Bromophenyl-phenylether
Concen: 0.341 ng/ul
RT: 16.44 min Scan# 2259
Delta R.T. 0.12 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 7204
Ion Ratio Lower Upper
248 100
250 168.7 78.8 118.2#
141 363.5 63.0 94.6#

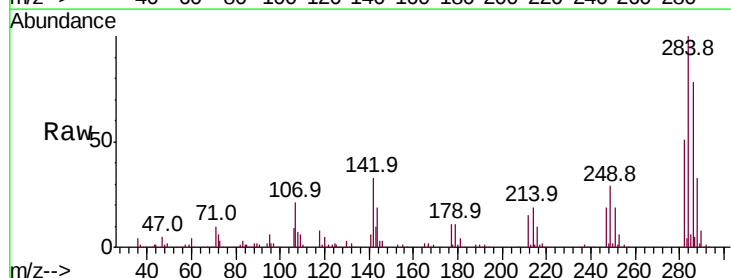


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

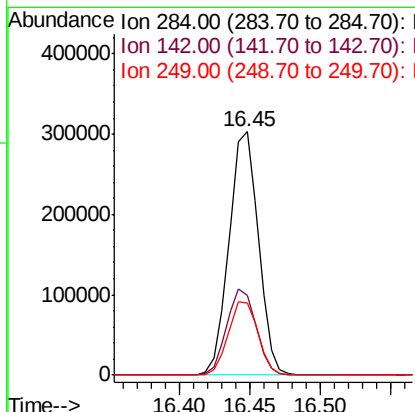
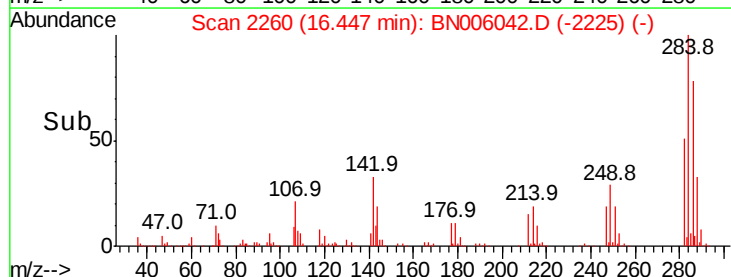


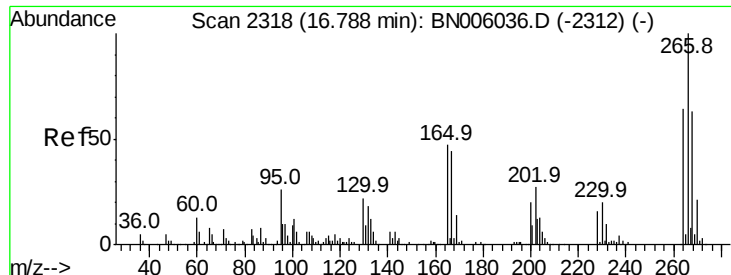
#66
Hexachlorobenzene
Concen: 19.554 ng/ul
RT: 16.45 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:284 Resp: 440159
Ion Ratio Lower Upper
284 100
142 32.7 29.0 43.6
249 29.4 25.0 37.6



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

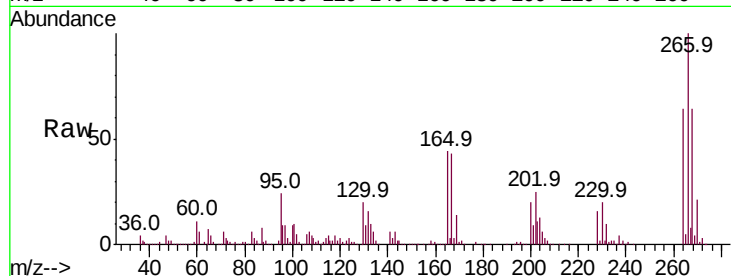




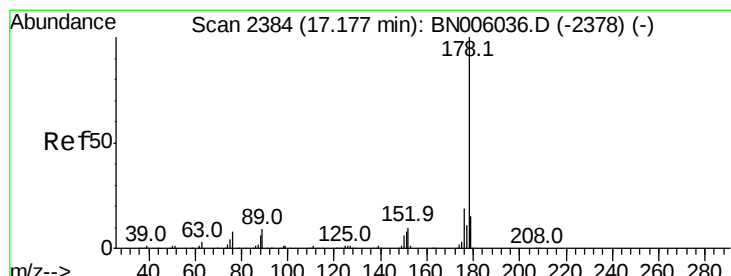
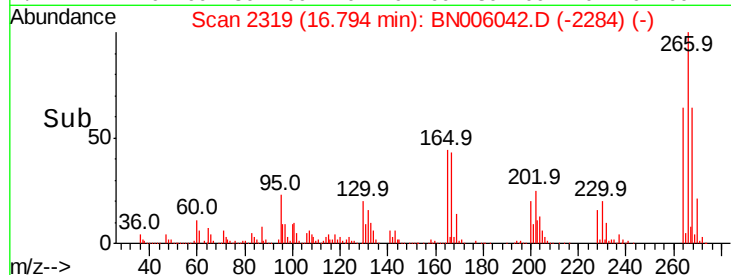
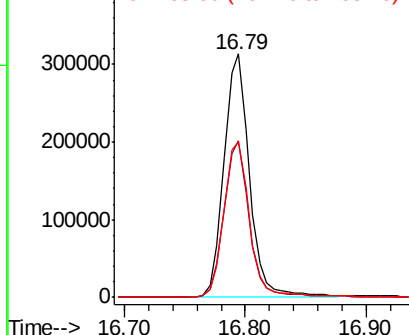
#68
 Pentachlorophenol
 Concen: 37.168 ng/ul
 RT: 16.79 min Scan# 2319
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	64.3	50.8	76.2
268	64.0	50.7	76.1

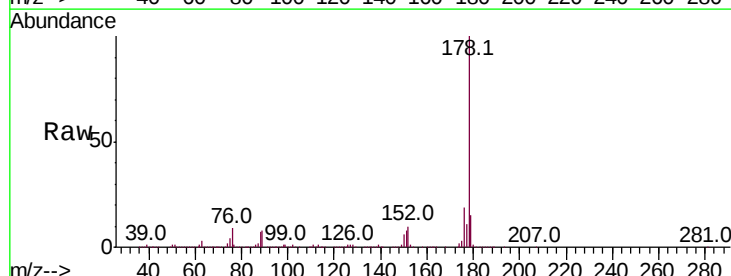


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

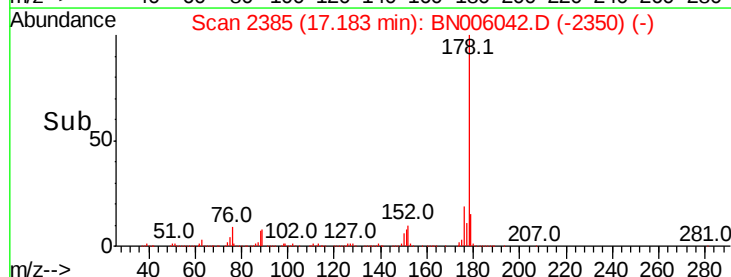
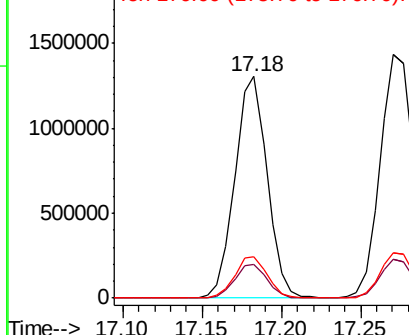


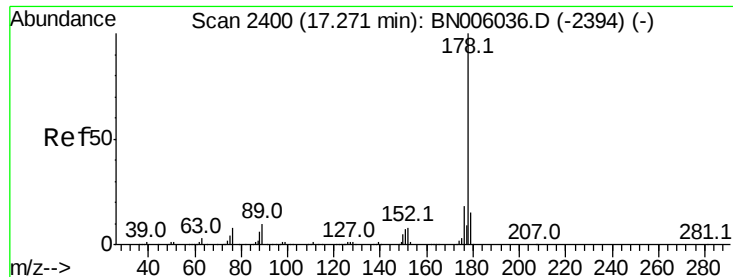
#69
 Phenanthrene
 Concen: 17.998 ng/ul
 RT: 17.18 min Scan# 2385
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6
176	18.7	15.0	22.4



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

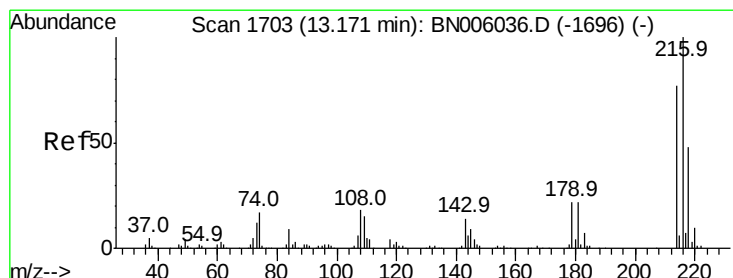
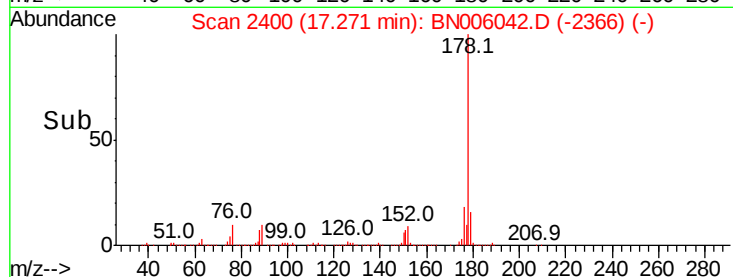
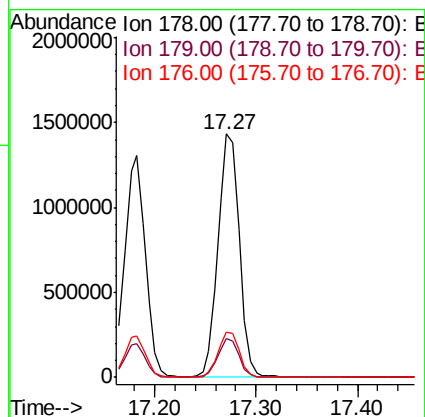
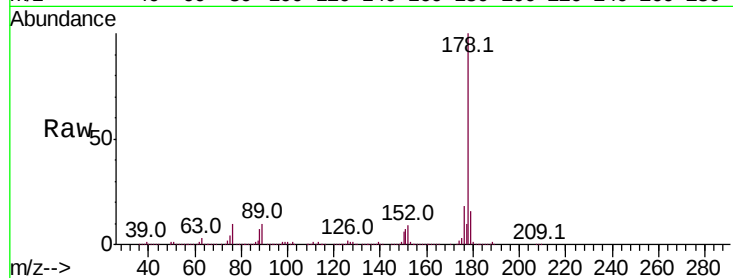




#71
 Anthracene
 Concen: 20.175 ng/ul
 RT: 17.27 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

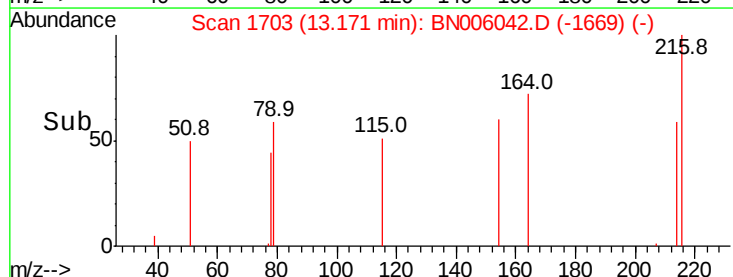
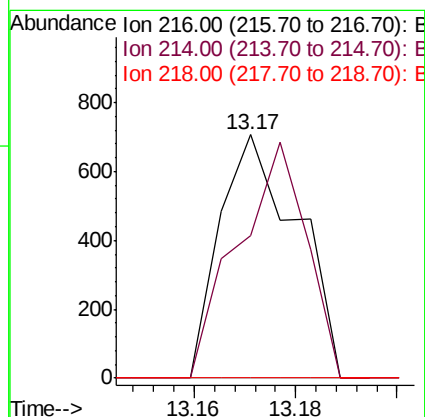
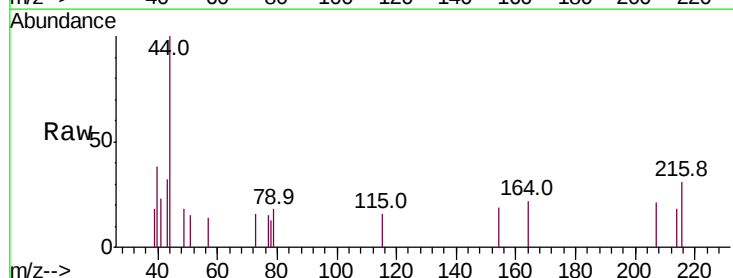
Instrument :
 BNA_N
 ClientSampled :

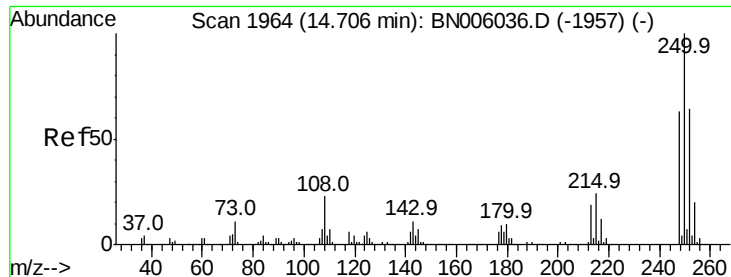
Tot Ion:178 Resp: 2096633
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 18.4 14.8 22.2



#72
 1,2,3,4-Tetrachlorobenzene
 Concen: 0.024 ng/uL
 RT: 13.17 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion:216 Resp: 744
 Ion Ratio Lower Upper
 216 100
 214 58.7 61.7 92.5#
 218 0.0 38.2 57.2#

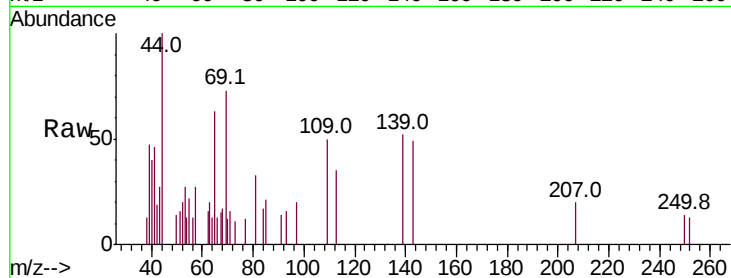




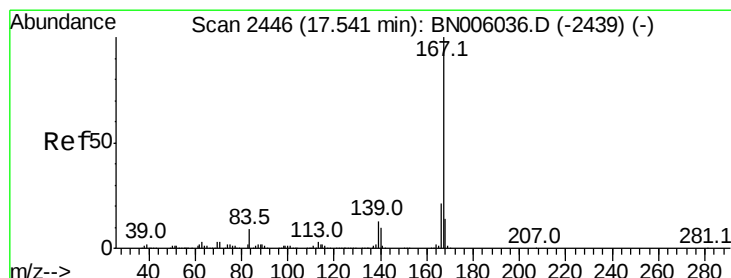
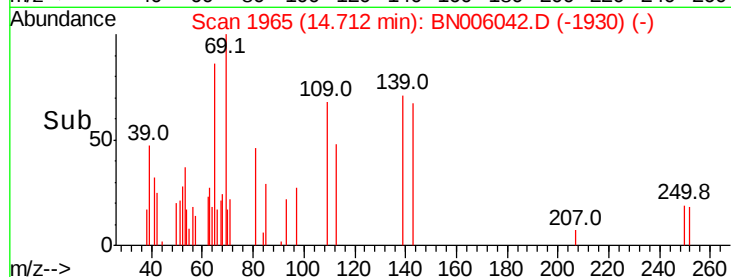
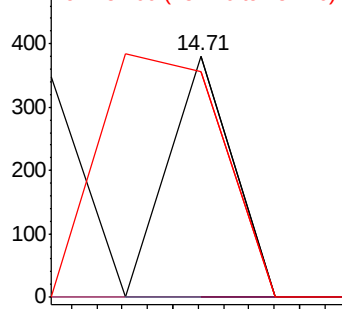
#73
 Pentachlorobenzene
 Concen: 0.005 ng/uL
 RT: 14.71 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:250 Resp: 134
 Ion Ratio Lower Upper
 250 100
 248 0.0 50.2 75.4#
 252 93.7 50.9 76.3#

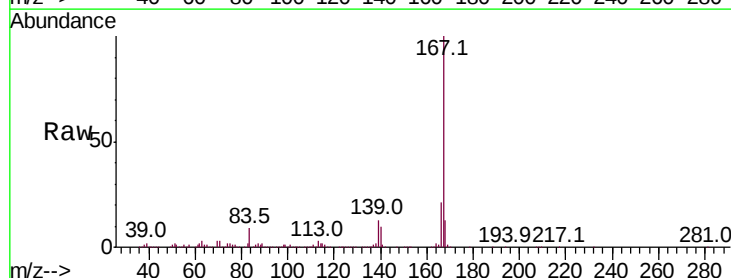


Abundance Ion 250.00 (249.70 to 250.70): E
 Ion 248.00 (247.70 to 248.70): E
 Ion 252.00 (251.70 to 252.70): E

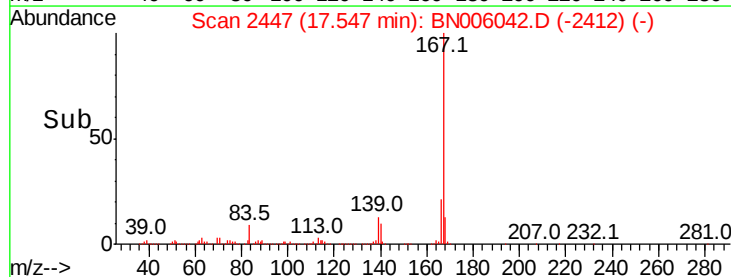
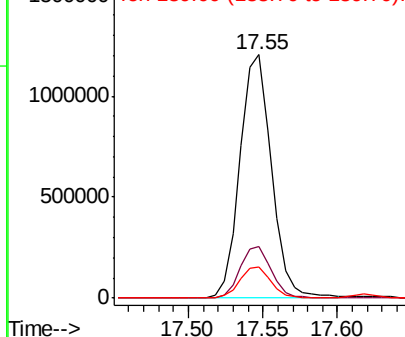


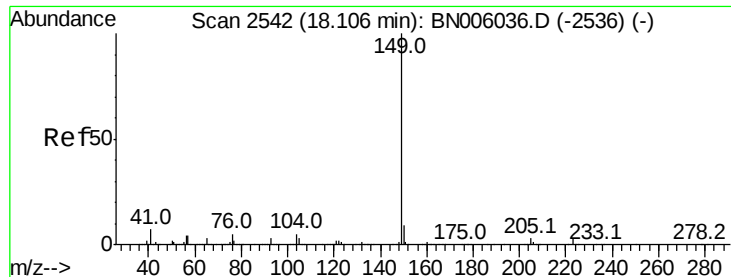
#74
 Carbazole
 Concen: 19.834 ng/uL
 RT: 17.55 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion:167 Resp: 1772975
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.8 10.4 15.6



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





#75

Di-n-butylphthalate

Concen: 18.543 ng/ul

RT: 18.11 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampled :

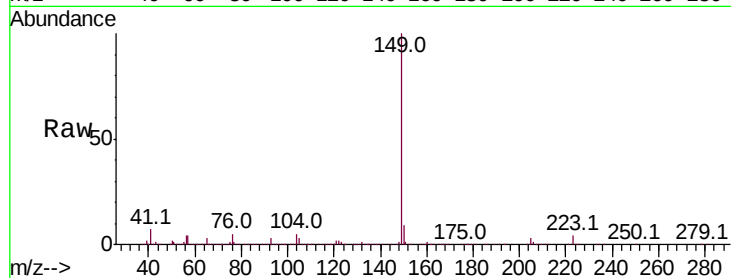
Tot Ion:149 Resp: 2123106

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

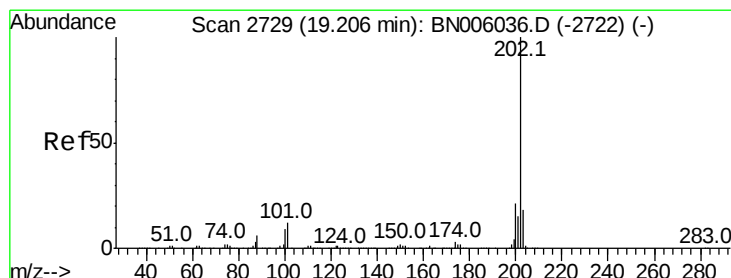
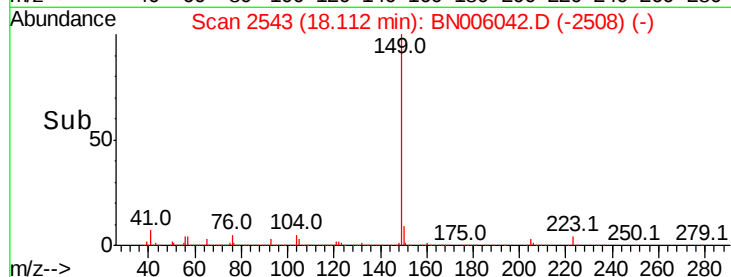
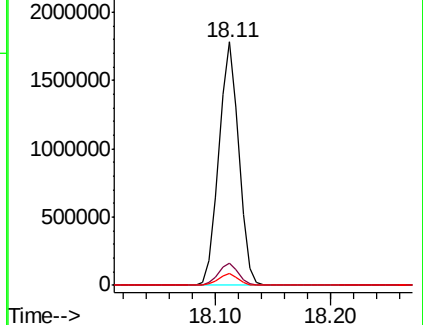
104 4.9 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 40.347 ng/ul

RT: 19.21 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

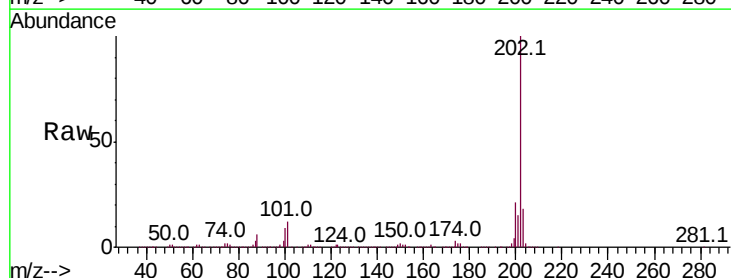
Tgt Ion:202 Resp: 4018239

Ion Ratio Lower Upper

202 100

101 11.9 9.6 14.4

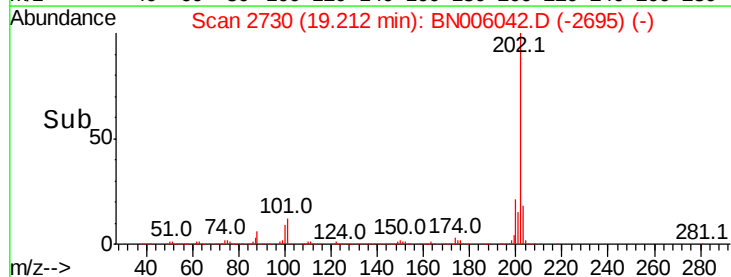
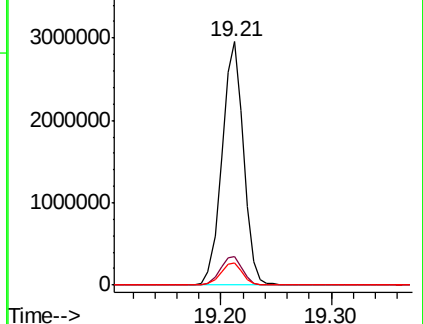
100 9.0 7.1 10.7

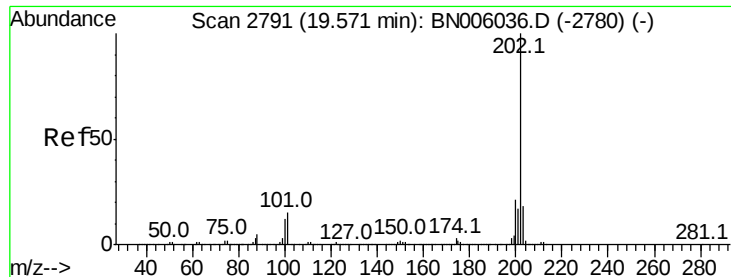


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 27.367 ng/ul

RT: 19.58 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

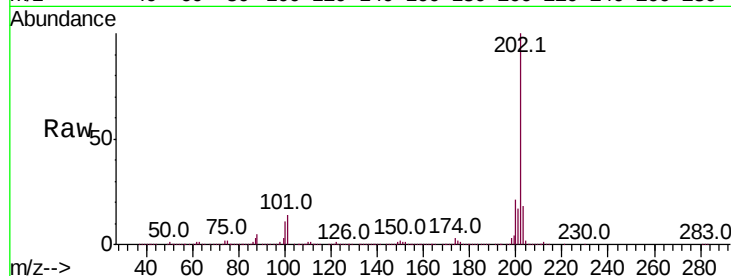
Tot Ion:202 Resp: 2842392

Ion Ratio Lower Upper

202 100

101 14.1 11.6 17.4

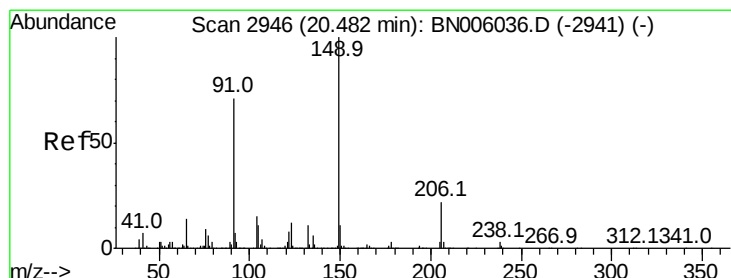
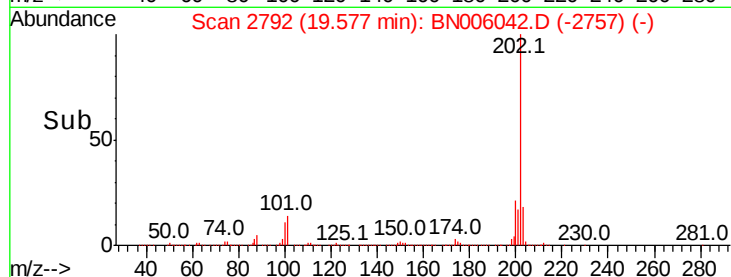
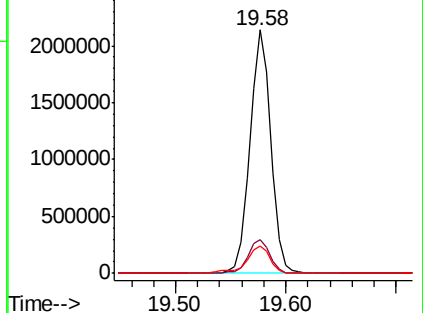
100 11.1 9.4 14.2



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



#80

Butylbenzylphthalate

Concen: 17.855 ng/ul

RT: 20.49 min Scan# 2947

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

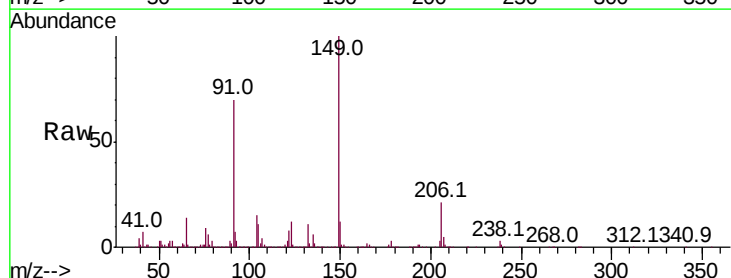
Tgt Ion:149 Resp: 839167

Ion Ratio Lower Upper

149 100

91 70.3 57.0 85.6

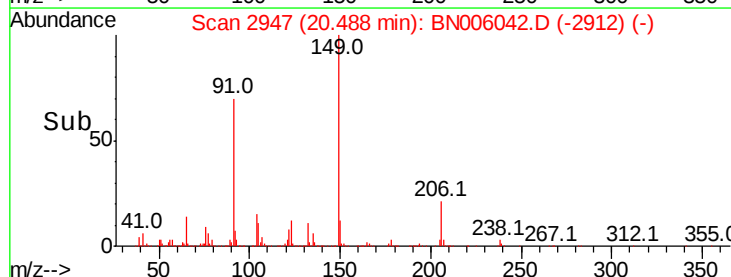
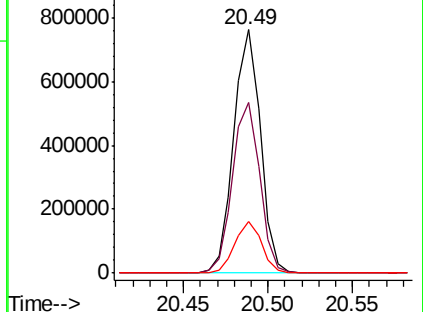
206 21.3 17.4 26.2

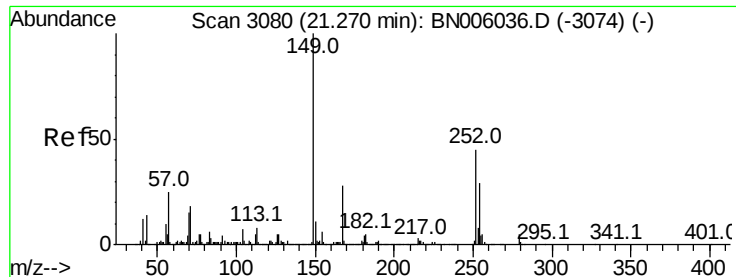


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

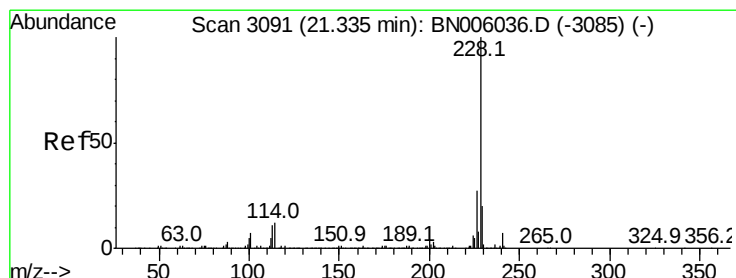
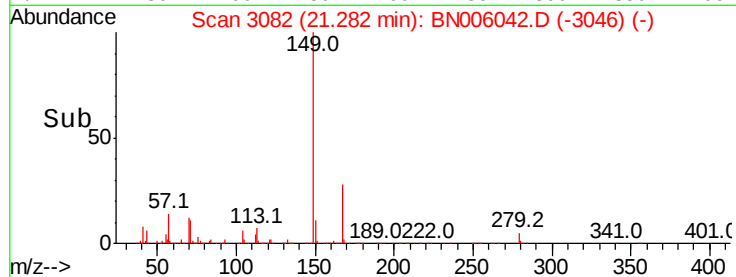
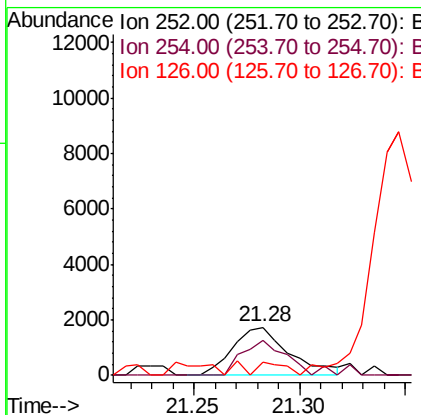
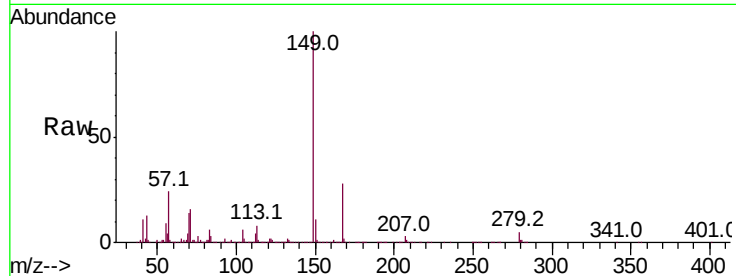




#81
 3,3'-Dichlorobenzidine
 Concen: 0.118 ng/ul
 RT: 21.28 min Scan# 3082
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

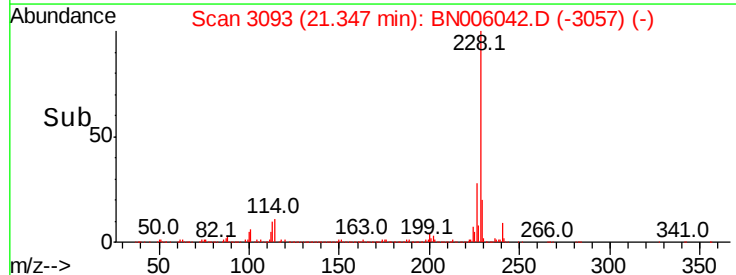
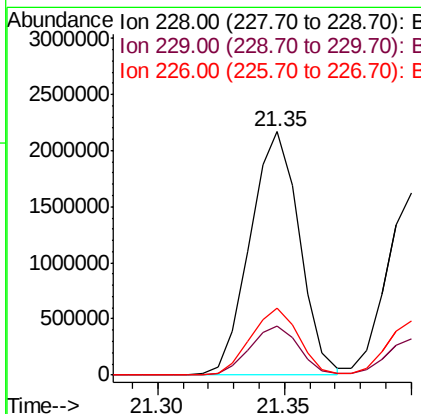
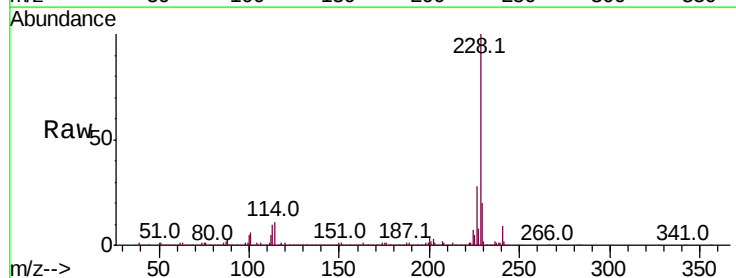
Instrument :
 BNA_N
 ClientSampleId :

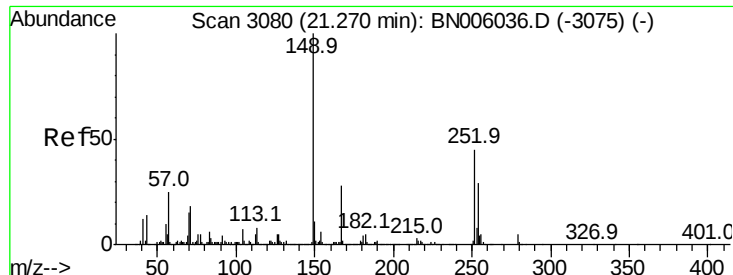
Tot Ion:252 Resp: 3243
 Ion Ratio Lower Upper
 252 100
 254 72.3 50.7 76.1
 126 27.8 9.0 13.6#



#82
 Benzo(a)anthracene
 Concen: 32.862 ng/ul
 RT: 21.35 min Scan# 3093
 Delta R.T. 0.01 min
 Lab File: BN006042.D
 Acq: 03 Jun 2019 17:08

Tgt Ion:228 Resp: 2926064
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.8 23.8
 226 27.7 21.6 32.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.537 ng/ul

RT: 21.28 min Scan# 3081

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

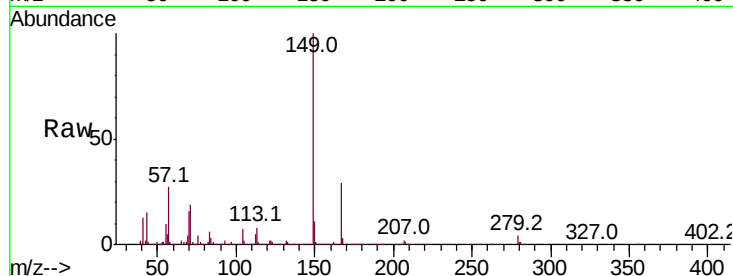
Tot Ion:149 Resp: 1520299

Ion Ratio Lower Upper

149 100

167 29.2 22.5 33.7

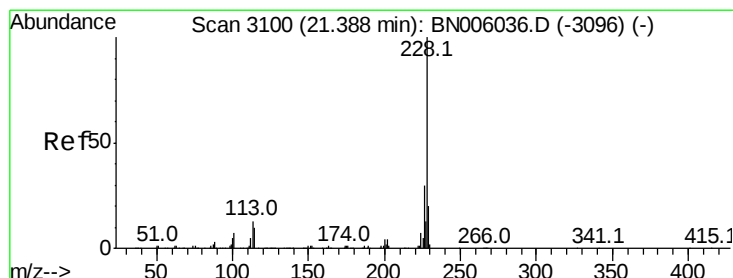
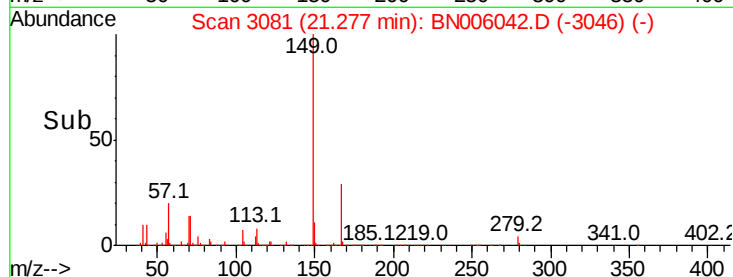
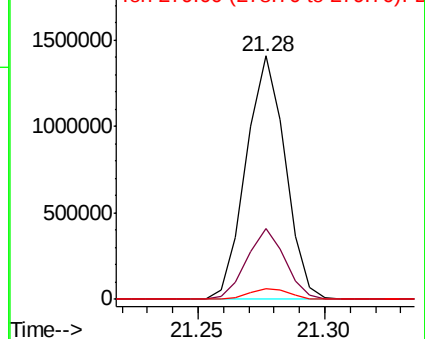
279 4.5 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 24.414 ng/ul

RT: 21.40 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

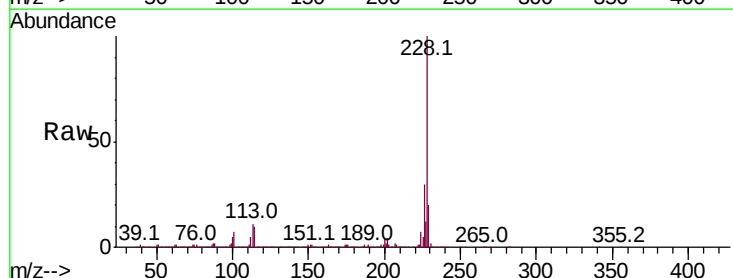
Tgt Ion:228 Resp: 2056835

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

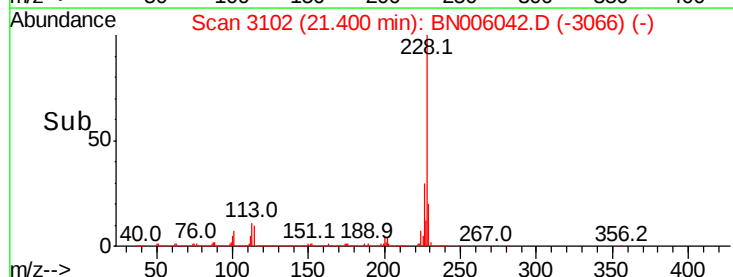
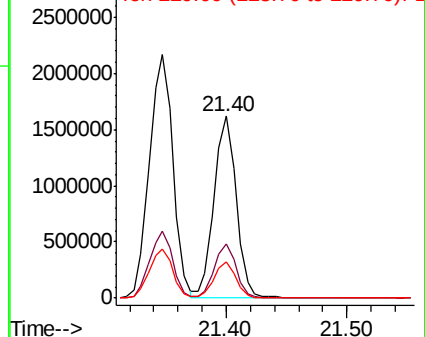
229 19.6 16.3 24.5

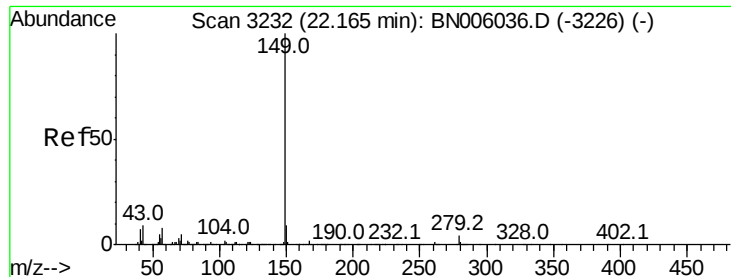


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 0.100 ng/ul

RT: 22.18 min Scan# 3234

Delta R.T. 0.01 min

Lab File: BN006042.D

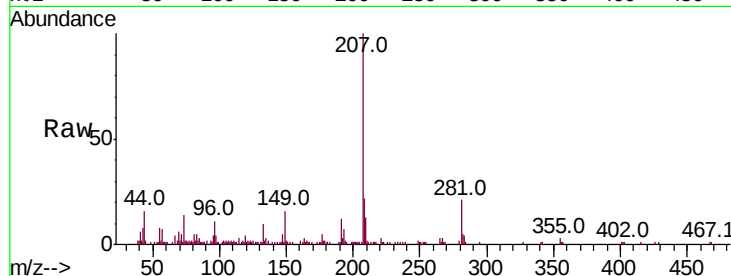
Acq: 03 Jun 2019 17:08

Instrument :

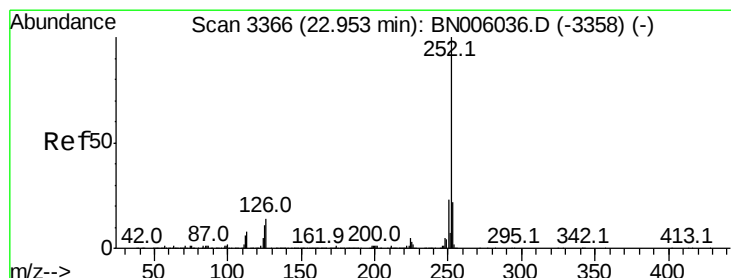
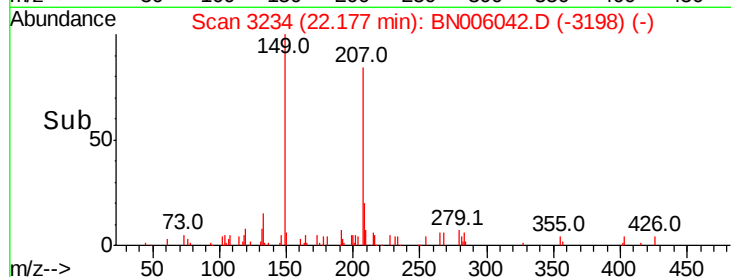
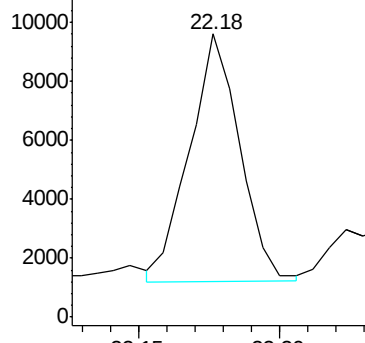
BNA_N

ClientSampleId :

Tgt Ion:149 Resp: 10418



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 23.935 ng/ul

RT: 22.96 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

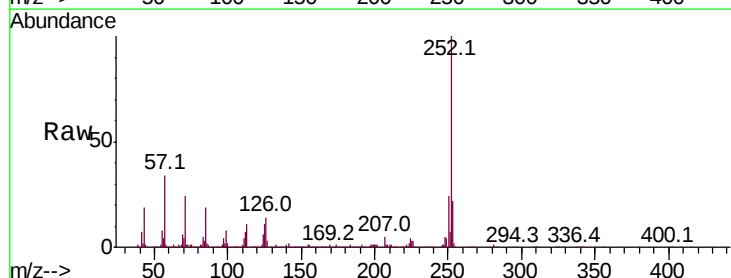
Tgt Ion:252 Resp: 2011928

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.1	8.5	12.7

252 100

253 22.3 17.3 25.9

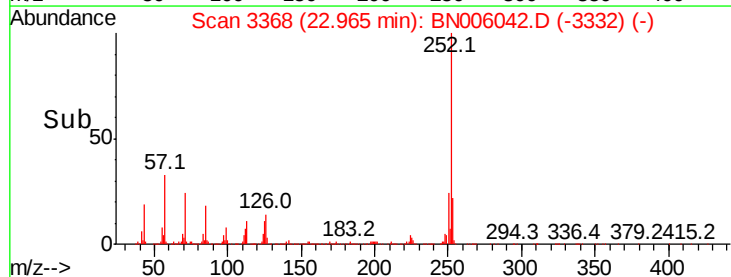
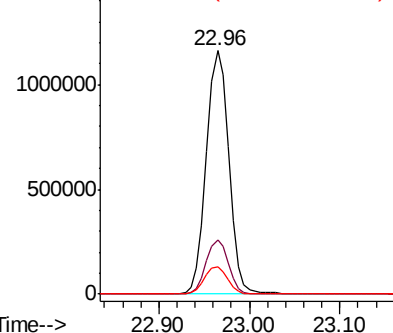
125 11.1 8.5 12.7

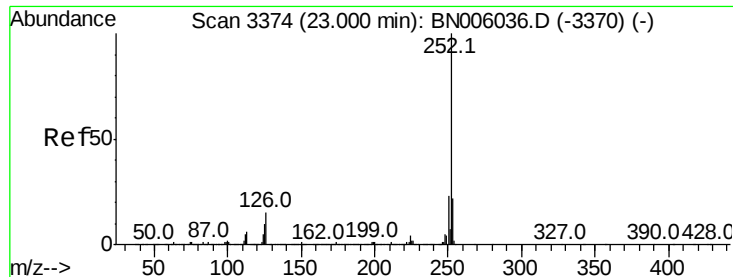


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

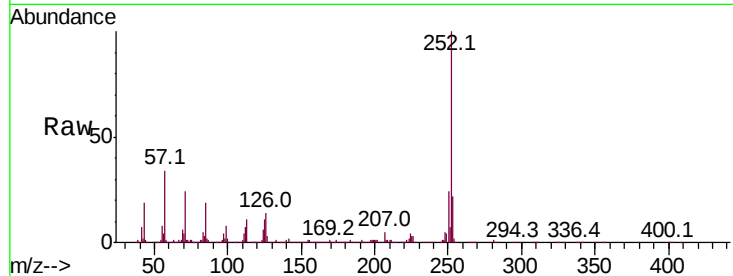




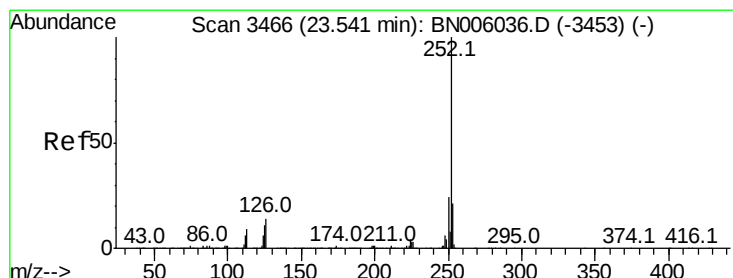
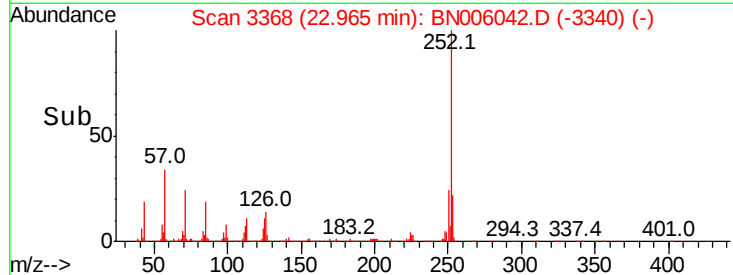
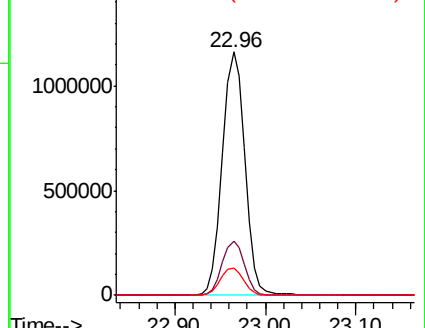
#88
Benzo(k)fluoranthene
Concen: 24.699 ng/ul
RT: 22.96 min Scan# 3368
Delta R.T. -0.04 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 2011928
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.1 8.2 12.4

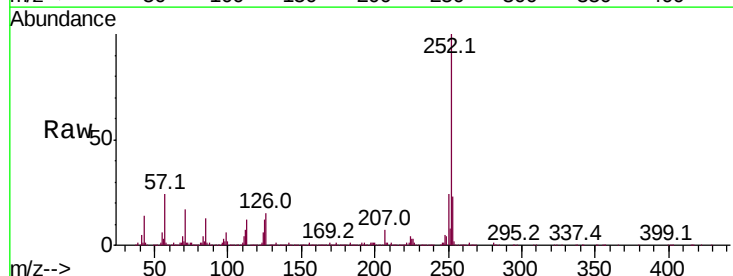


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

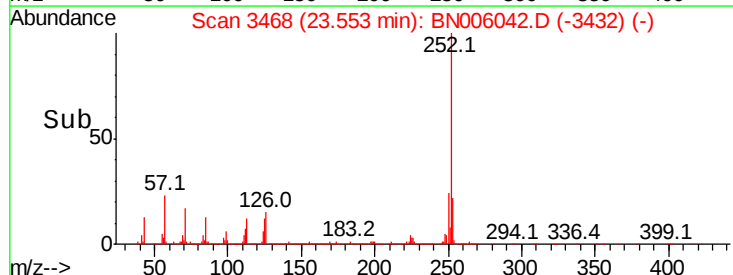
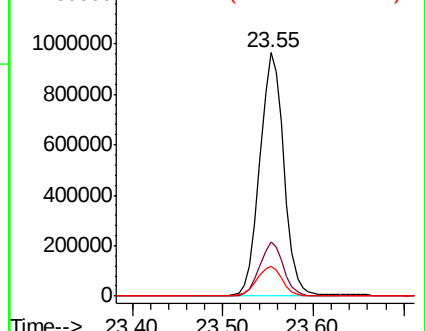


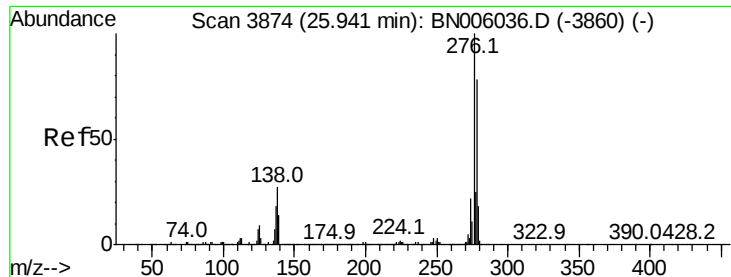
#90
Benzo(a)pyrene
Concen: 22.276 ng/ul
RT: 23.55 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:252 Resp: 1780429
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 12.1 9.2 13.8



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



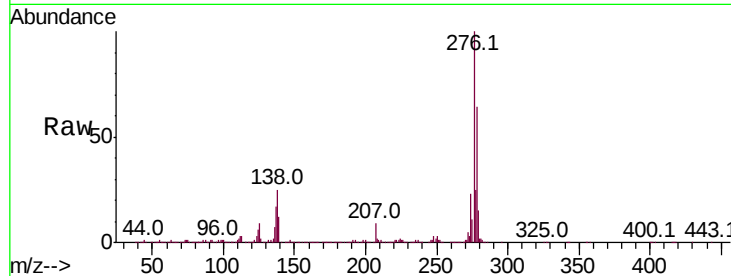


#91

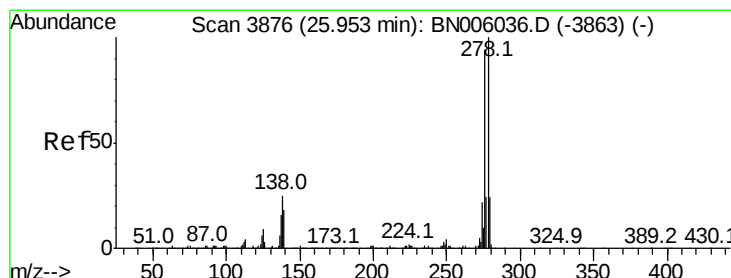
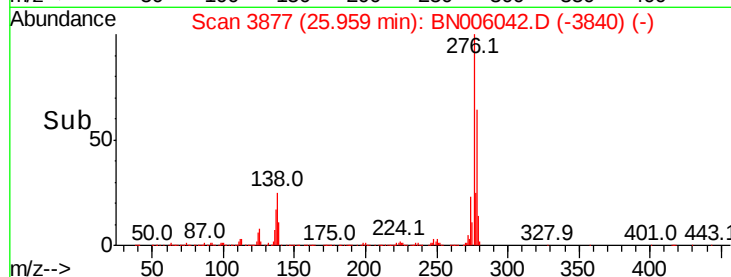
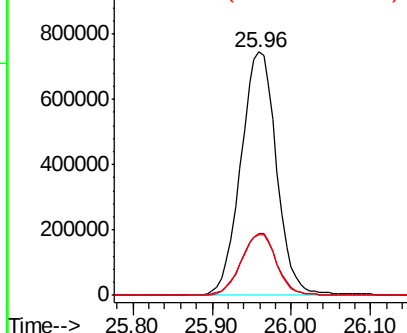
Indeno(1,2,3-cd)pyrene
Concen: 25.311 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. 0.02 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 2328886
Ion Ratio Lower Upper
276 100
138 25.4 21.4 32.2
277 25.1 20.2 30.2



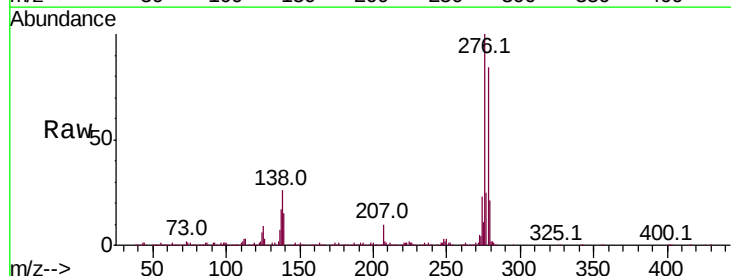
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



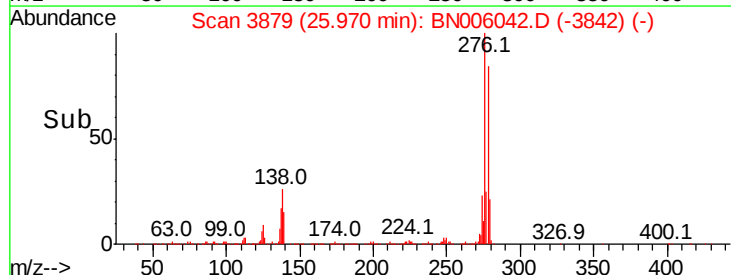
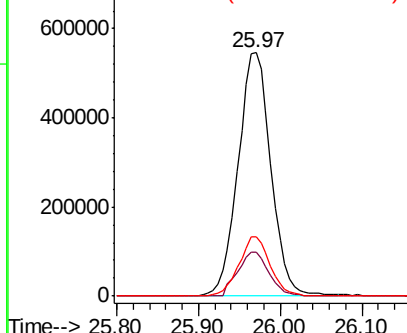
#92

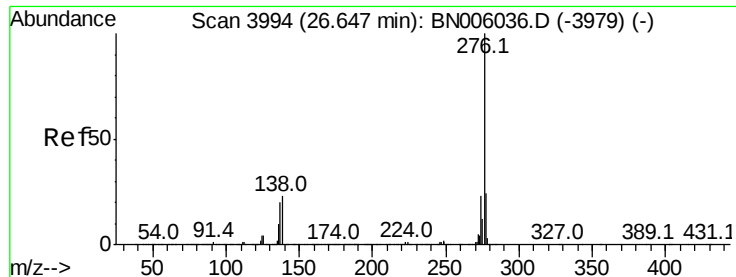
Dibenzo(a,h)anthracene
Concen: 19.724 ng/ul
RT: 25.97 min Scan# 3879
Delta R.T. 0.02 min
Lab File: BN006042.D
Acq: 03 Jun 2019 17:08

Tgt Ion:278 Resp: 1530141
Ion Ratio Lower Upper
278 100
139 18.0 14.2 21.2
279 24.6 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 0.140 ng/ul

RT: 26.66 min Scan# 3996

Delta R.T. 0.01 min

Lab File: BN006042.D

Acq: 03 Jun 2019 17:08

Instrument :

BNA_N

ClientSampleId :

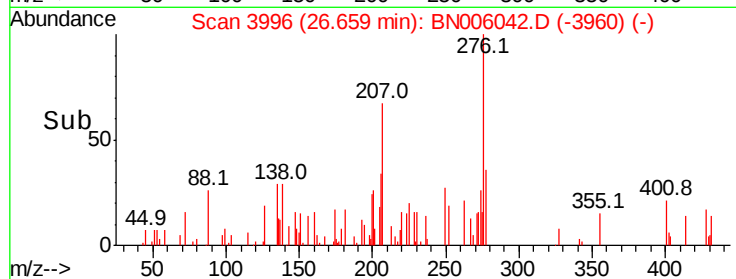
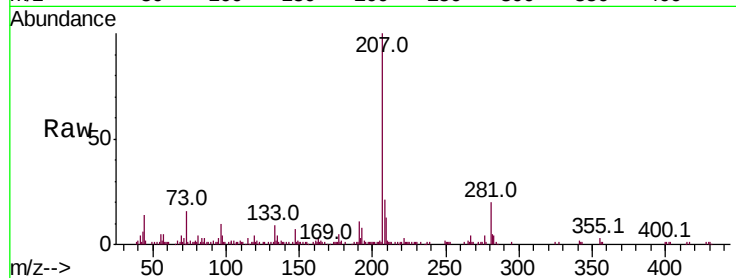
Tot Ion:276 Resp: 10612

Ion Ratio Lower Upper

276 100

138 39.8 18.8 28.2#

277 30.9 19.4 29.2#



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

