

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
 Data File : BN005368.D
 Acq On : 30 Apr 2019 12:27
 Operator : JU/SJ
 Sample : K2470-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5110

Quant Time: May 01 00:43:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	261762	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.35	136	1083499	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.22	164	660501	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.98	188	1529092	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	1595455	20.00	ng/ul	0.02
85) Perylene-d12	23.49	264	1803744	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	26071	4.81	ng/uL	0.00
5) Phenol-d5	6.77	99	594505	28.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	321740	25.09	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.12	132	467106	29.69	ng/ul	-0.01
13) 4-Methylphenol-d8	8.29	113	449862	27.99	ng/ul	-0.01
19) Nitrobenzene-d5	8.73	128	222694	33.39	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.44	143	177908	26.31	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.97	165	507673	32.76	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.49	131	535368	33.50	ng/ul	-0.01
43) Dimethylphthalate-d6	13.64	166	1731797	36.12	ng/ul	-0.01
46) Acenaphthylene-d8	13.91	160	2054631	34.89	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.43	143	264205	34.90	ng/ul	0.00
57) Fluorene-d10	15.22	176	1515025	37.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	129505	18.83	ng/ul	0.00
70) Anthracene-d10	17.08	188	2406528	37.54	ng/ul	0.00
78) Pyrene-d10	19.40	212	2844615	34.85	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	3080333	39.08	ng/ul	0.04

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.24	88	58491	10.031	ng/uL 97
12) 2,2'-oxybis(1-Chloropropan	8.11	45	438582	15.427	ng/ul 96
20) Nitrobenzene	8.77	77	388610	21.174	ng/ul 94
23) 2-Nitrophenol	9.47	139	177283	23.141	ng/ul 97
25) Bis(2-Chloroethoxy)methane	9.78	93	376062	16.468	ng/ul 98
27) 2,4-Dichlorophenol	10.00	162	334057	21.842	ng/ul 98
28) Naphthalene	10.40	128	670159	13.305	ng/ul 98
33) 4-Chloro-3-methylphenol	11.64	107	1169464	67.907	ng/ul 95
34) 2-Methylnaphthalene	12.02	142	1166616	31.631	ng/ul 97
37) Hexachlorocyclopentadiene	12.37	237	296720	21.291	ng/ul 96
38) 2,4,6-Trichlorophenol	12.64	196	282759	22.941	ng/ul 99
39) 2,4,5-Trichlorophenol	12.64	196	272213	20.552	ng/ul 99
41) 2-Chloronaphthalene	13.09	162	912320	24.104	ng/ul 97
44) Dimethylphthalate	13.69	163	522284	10.932	ng/ul 100
45) 2,6-Dinitrotoluene	13.80	165	122168	14.810	ng/ul 90
47) Acenaphthylene	13.94	152	901708	15.581	ng/ul 99
49) Acenaphthene	14.29	153	646617	16.366	ng/ul 99
54) 2,4-Dinitrotoluene	14.60	165	409327	34.420	ng/ul# 84
55) 2,3,4,6-Tetrachlorophenol	14.86	232	560576	50.876	ng/ul 92
58) Fluorene	15.28	166	739736	16.665	ng/ul 97
59) 4-Chlorophenyl-phenylether	15.28	204	650918	27.644	ng/ul 96
60) 4-Nitroaniline	15.28	138	14555	1.522	ng/ul# 34
63) 4,6-Dinitro-2-methylphenol	15.37	198	438992	59.976	ng/ul# 90

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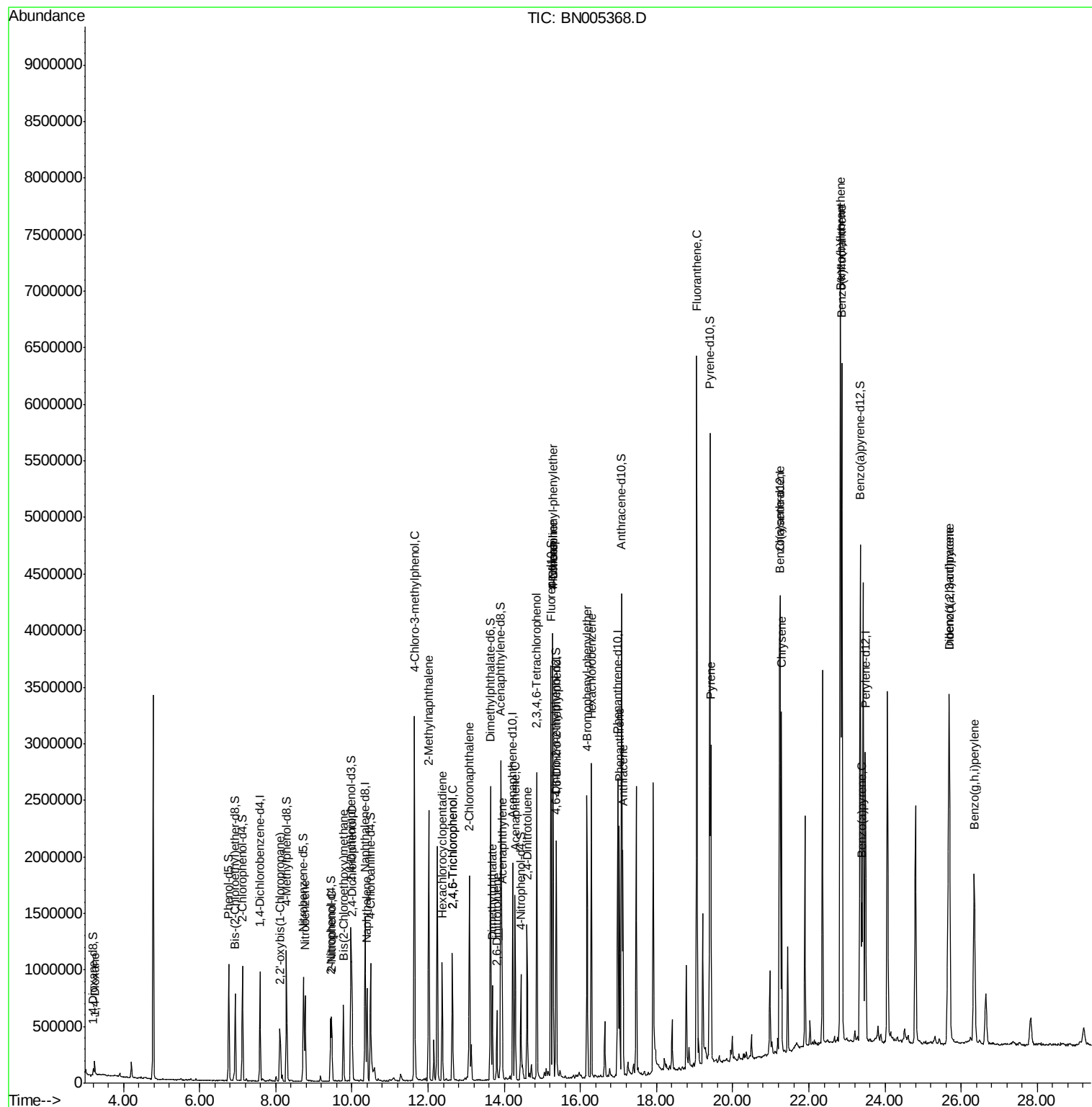
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.18	248	518668	33.670	ng/ul	93
66) Hexachlorobenzene	16.29	284	594254	36.228	ng/ul	95
69) Phenanthrene	17.02	178	1343871	18.046	ng/ul	99
71) Anthracene	17.12	178	1223771	16.132	ng/ul	99
76) Fluoranthene	19.06	202	3909746	47.333	ng/ul	98
79) Pyrene	19.43	202	1633277	15.899	ng/ul	95
82) Benzo(a)anthracene	21.23	228	1663408	16.759	ng/ul	99
84) Chrysene	21.28	228	1592843	17.292	ng/ul	99
87) Benzo(b)fluoranthene	22.83	252	5497549	54.220	ng/ul	98
88) Benzo(k)fluoranthene	22.87	252	1546704	15.972	ng/ul	100
90) Benzo(a)pyrene	23.39	252	898453	9.427	ng/ul#	98
91) Indeno(1,2,3-cd)pyrene	25.68	276	2050257	19.458	ng/ul	97
92) Dibenzo(a,h)anthracene	25.69	278	2062298	23.062	ng/ul	97
93) Benzo(q,h,i)perylene	26.34	276	1790534	20.551	ng/ul	97

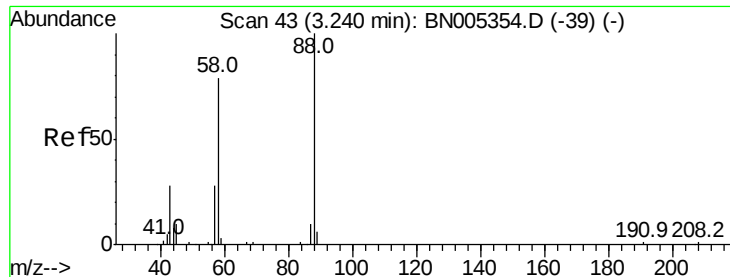
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 10.031 ng/uL

RT: 3.24 min Scan# 43

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampled :

A5110

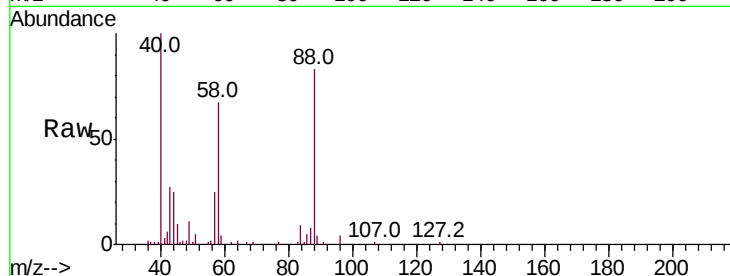
Tot Ion: 88 Resp: 58491

Ion Ratio Lower Upper

88 100

43 33.1 25.3 37.9

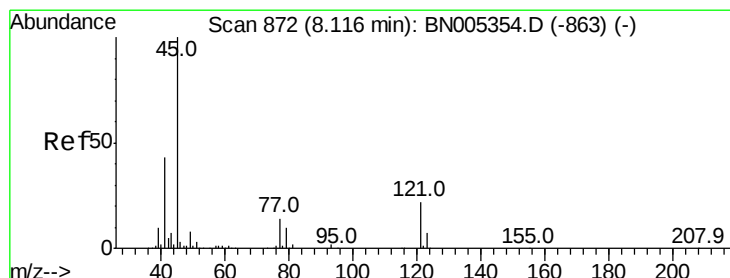
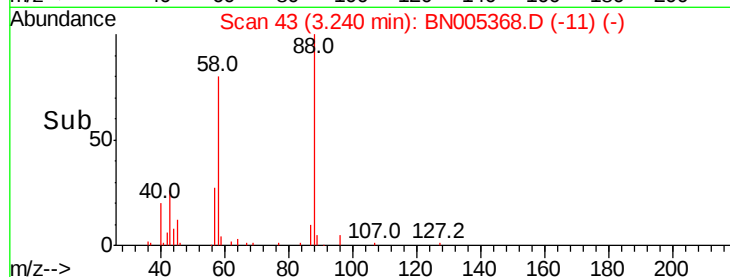
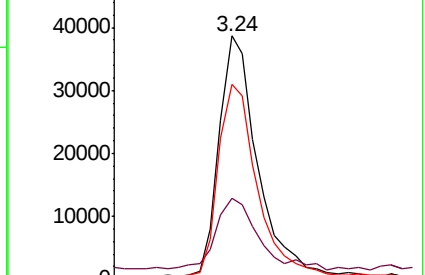
58 80.1 62.3 93.5



Abundance Ion 88.00 (87.70 to 88.70): BN005354.D (-39) (-)

Ion 43.00 (42.70 to 43.70): BN005354.D (-39) (-)

Ion 58.00 (57.70 to 58.70): BN005354.D (-39) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 15.427 ng/uL

RT: 8.11 min Scan# 871

Delta R.T. -0.02 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

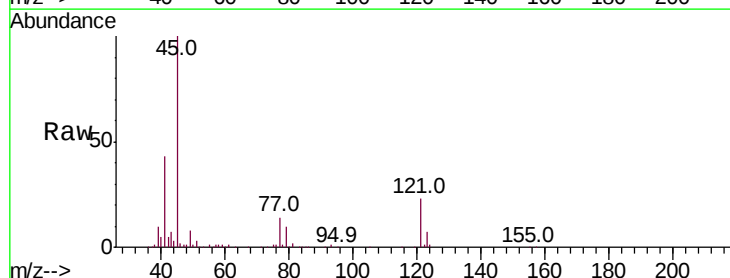
Tgt Ion: 45 Resp: 438582

Ion Ratio Lower Upper

45 100

77 14.4 9.8 14.6

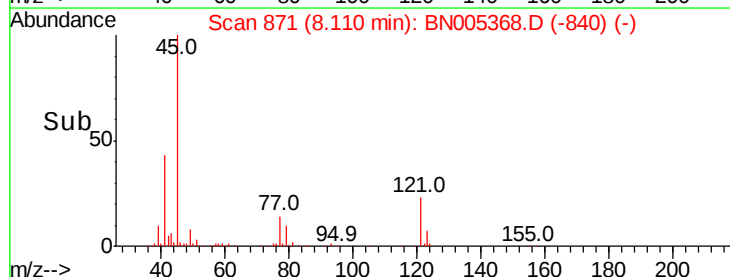
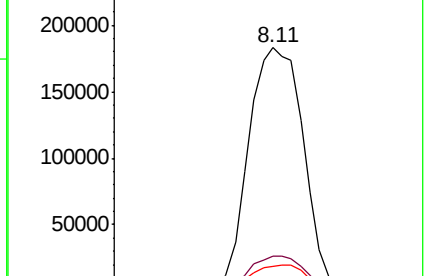
79 10.0 7.4 11.0

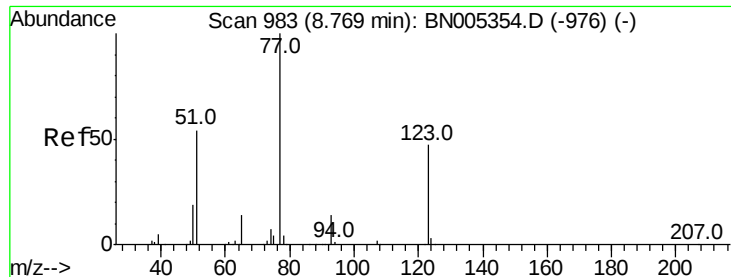


Abundance Ion 45.00 (44.70 to 45.70): BN005354.D (-863) (-)

Ion 77.00 (76.70 to 77.70): BN005354.D (-863) (-)

Ion 79.00 (78.70 to 79.70): BN005354.D (-863) (-)

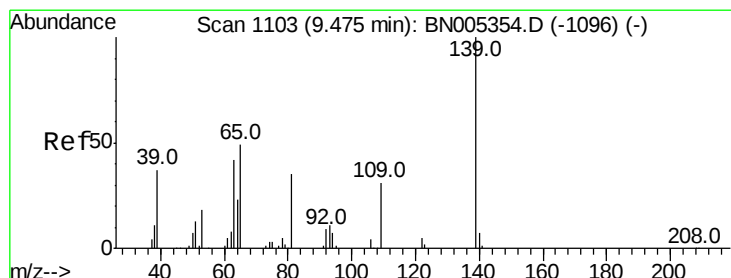
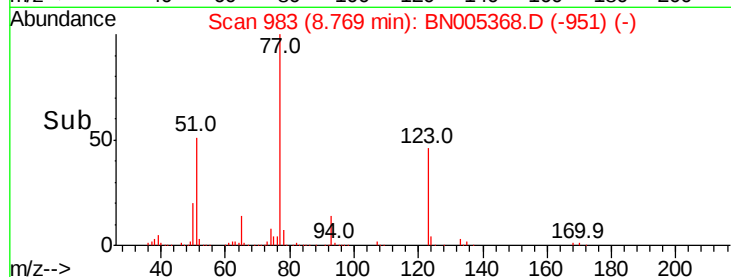
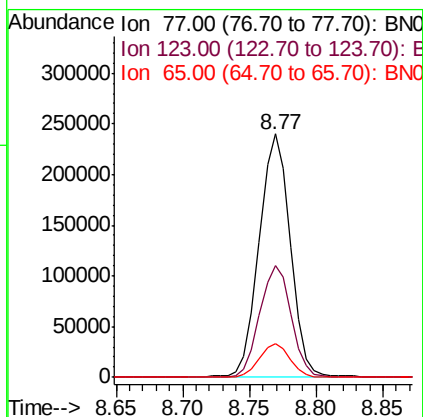
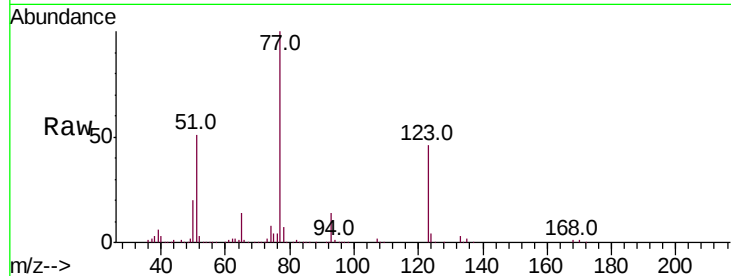




#20
Nitrobenzene
Concen: 21.174 ng/ul
RT: 8.77 min Scan# 983
Delta R.T. -0.01 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

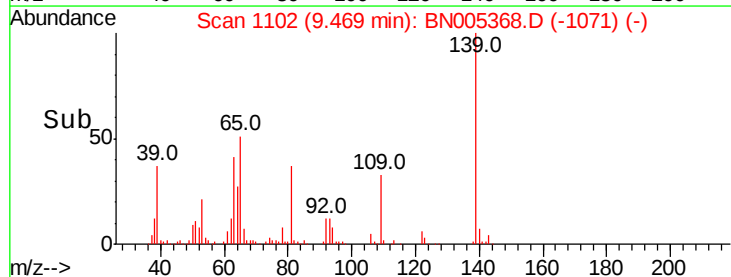
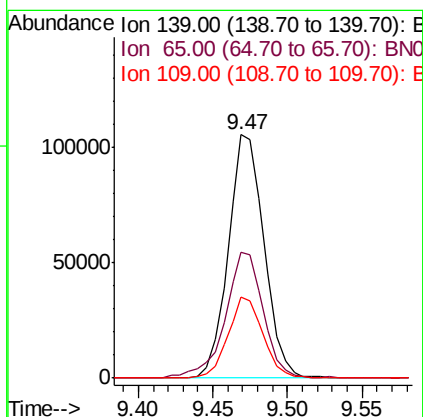
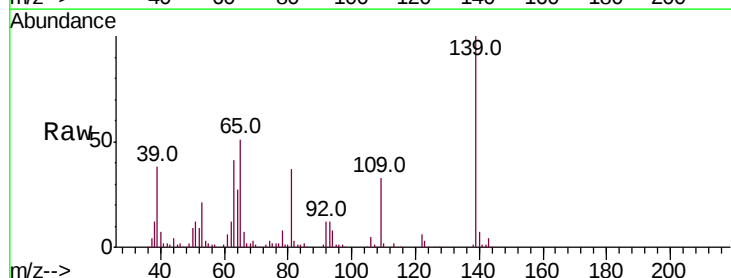
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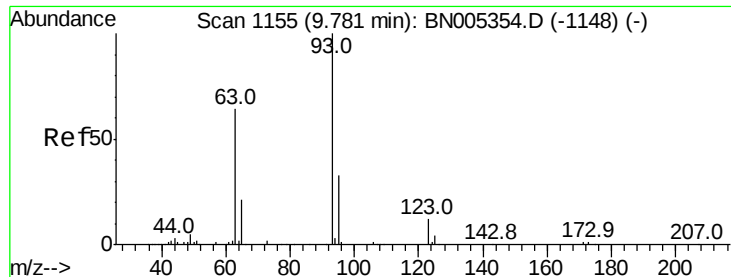
Tot Ion	Ratio	Lower	Upper
77	100		
123	46.0	32.6	49.0
65	14.0	11.6	17.4



#23
2-Nitrophenol
Concen: 23.141 ng/ul
RT: 9.47 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
139	100		
65	51.5	44.2	66.4
109	33.4	26.8	40.2





#25

Bis(2-Chloroethoxy)methane

Concen: 16.468 ng/ul

RT: 9.78 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

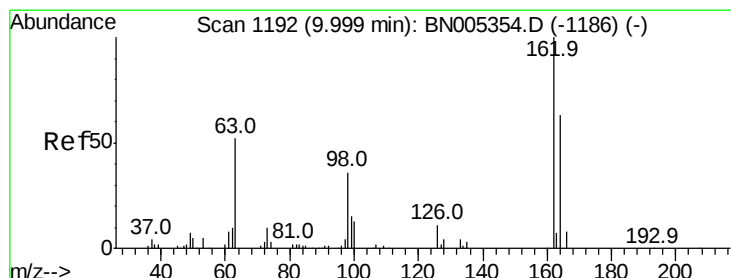
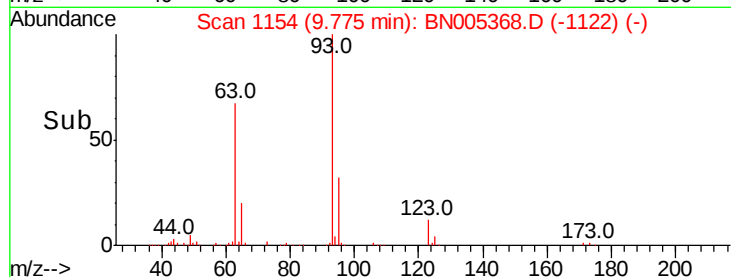
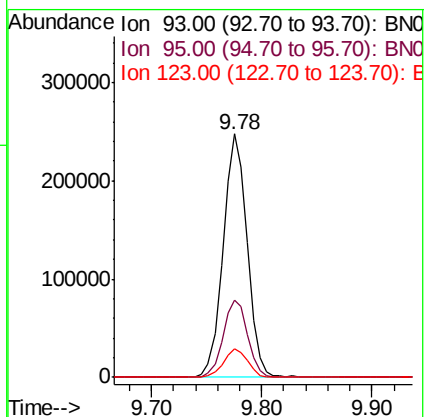
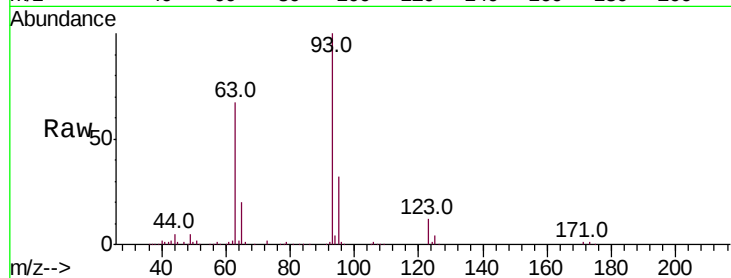
Tot Ion: 93 Resp: 376062

Ion Ratio Lower Upper

93 100

95 32.0 26.6 39.8

123 11.8 8.9 13.3



#27

2,4-Dichlorophenol

Concen: 21.842 ng/ul

RT: 10.00 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

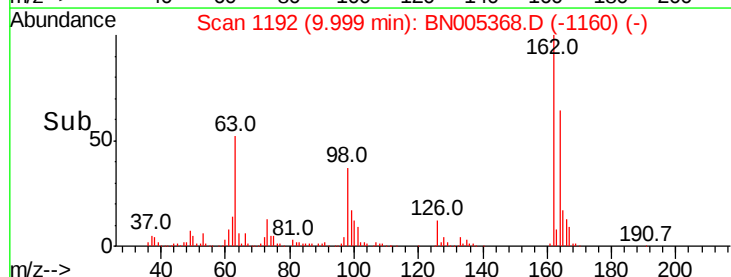
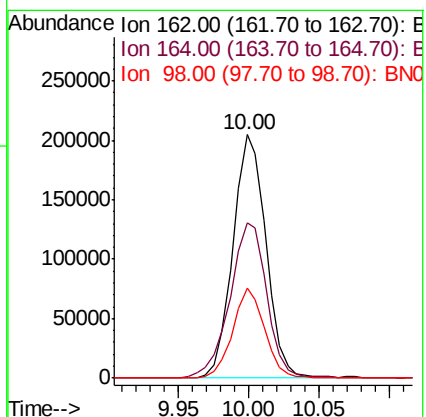
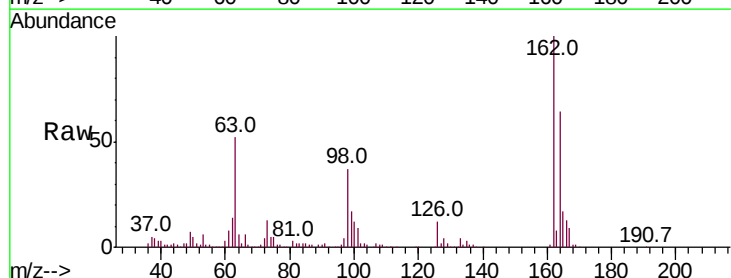
Tgt Ion: 162 Resp: 334057

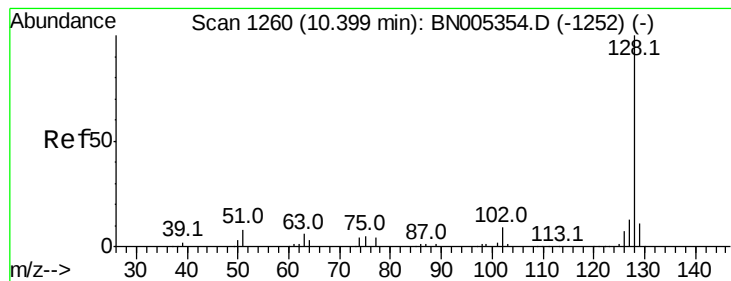
Ion Ratio Lower Upper

162 100

164 63.9 52.6 79.0

98 37.1 30.8 46.2





#28

Naphthalene

Concen: 13.305 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

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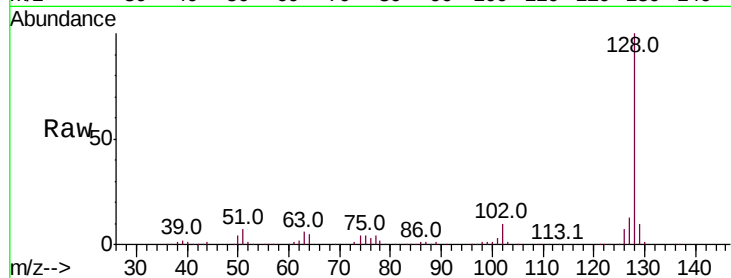
Tot Ion:128 Resp: 670159

Ion Ratio Lower Upper

128 100

129 10.4 9.2 13.8

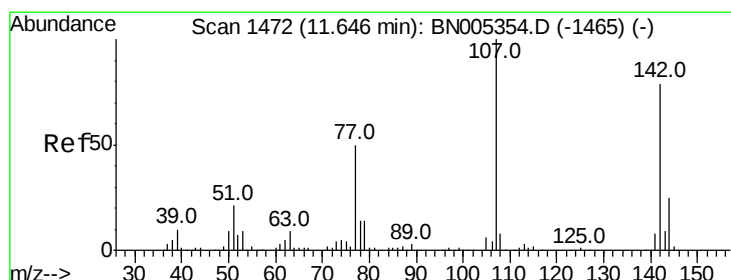
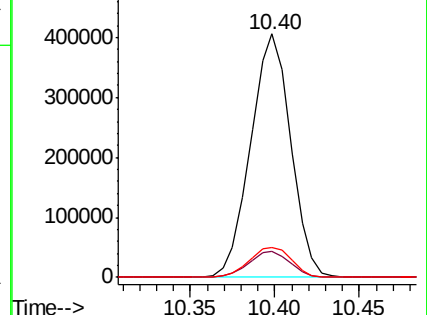
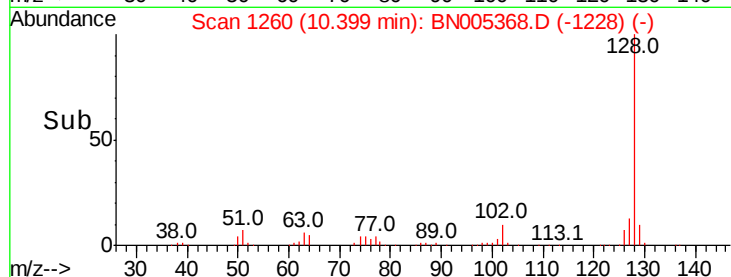
127 12.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloro-3-methylphenol

Concen: 67.907 ng/ul

RT: 11.64 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

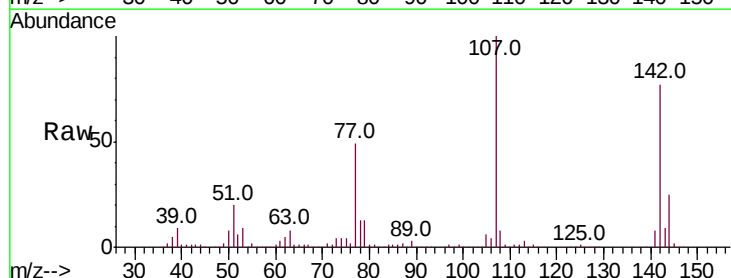
Tgt Ion:107 Resp: 1169464

Ion Ratio Lower Upper

107 100

144 25.3 19.4 29.0

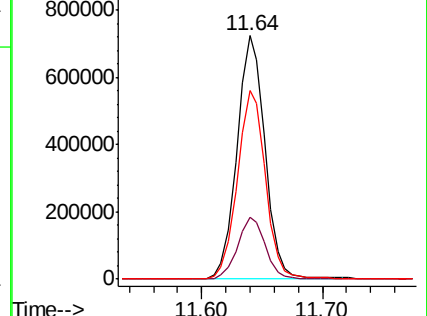
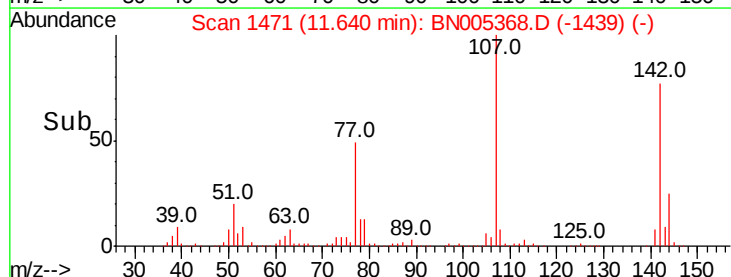
142 77.4 57.7 86.5

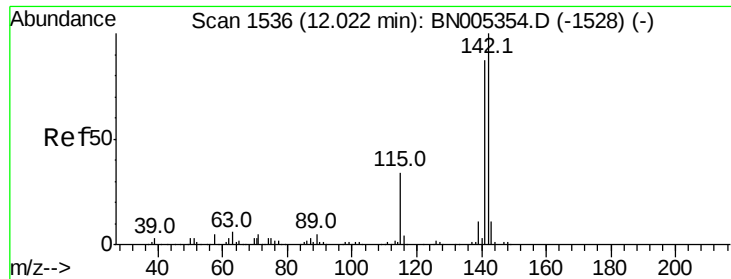


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

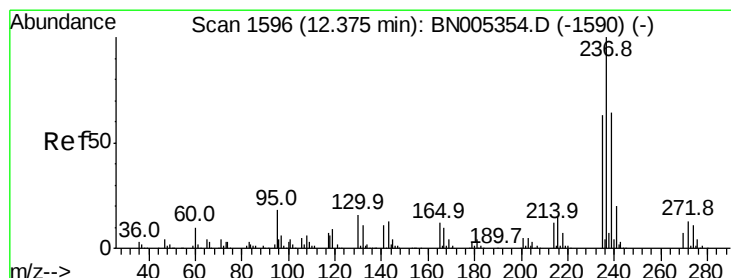
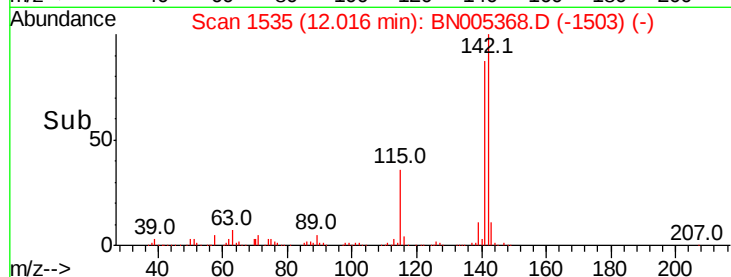
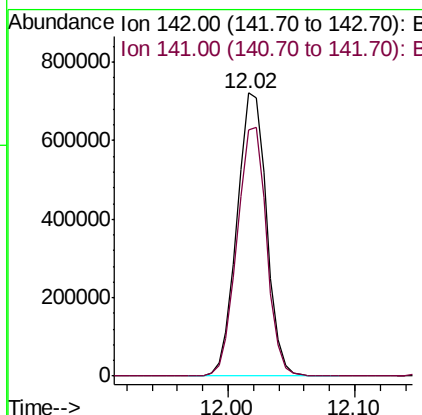
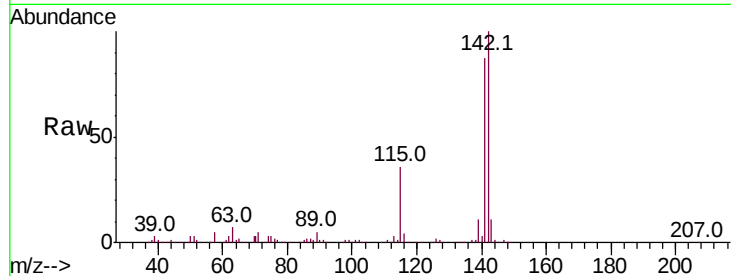




#34
2-Methylnaphthalene
Concen: 31.631 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

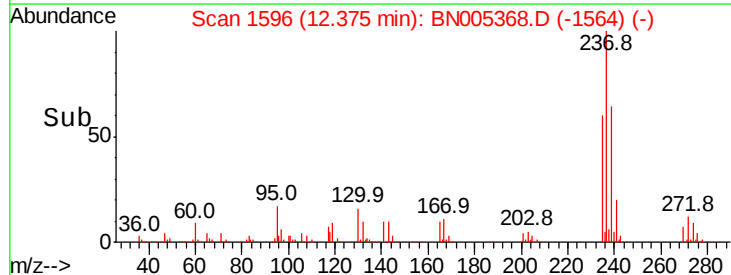
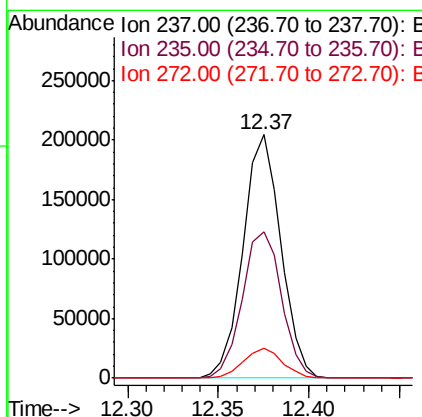
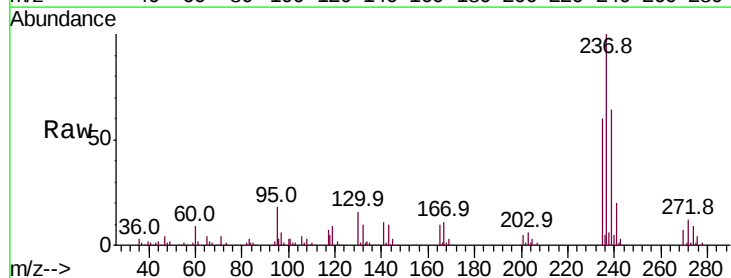
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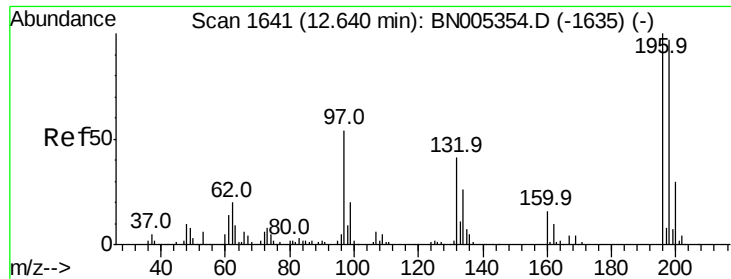
Tot Ion:142 Resp: 1166616
Ion Ratio Lower Upper
142 100
141 87.0 72.0 108.0



#37
Hexachlorocyclopentadiene
Concen: 21.291 ng/ul
RT: 12.37 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

Tgt Ion:237 Resp: 296720
Ion Ratio Lower Upper
237 100
235 60.0 51.1 76.7
272 12.3 9.5 14.3

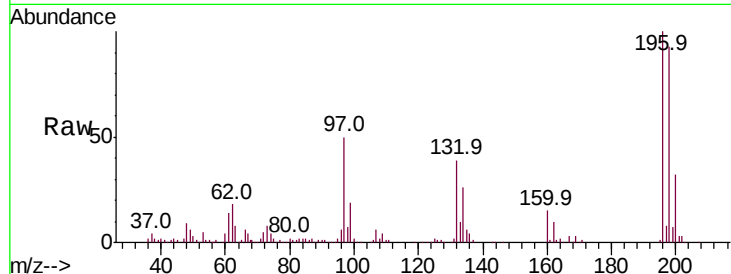




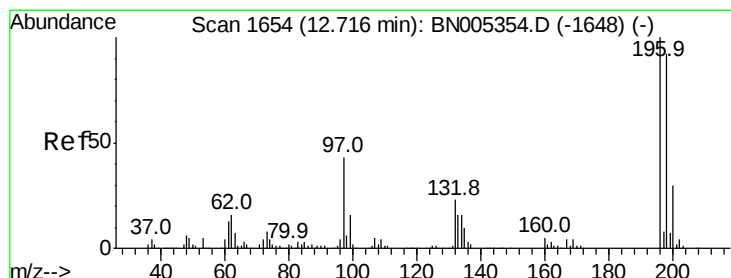
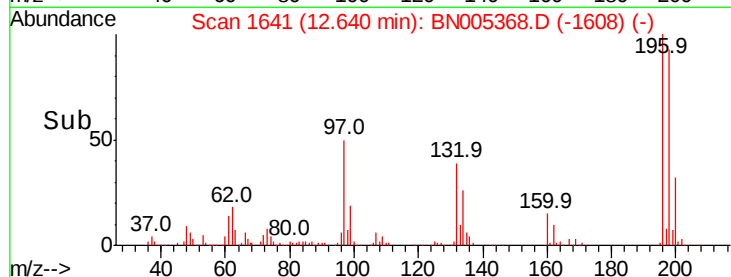
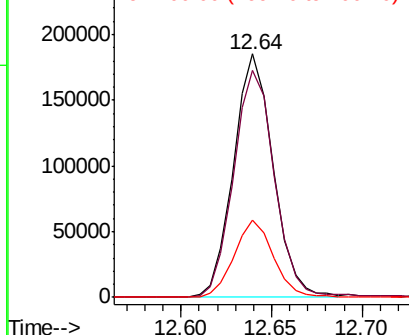
#38
 2,4,6-Trichlorophenol
 Concen: 22.941 ng/ul
 RT: 12.64 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

Instrument :
 BNA_N
 ClientSampled :
 A5110

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.4	74.8	112.2
200	31.5	23.5	35.3

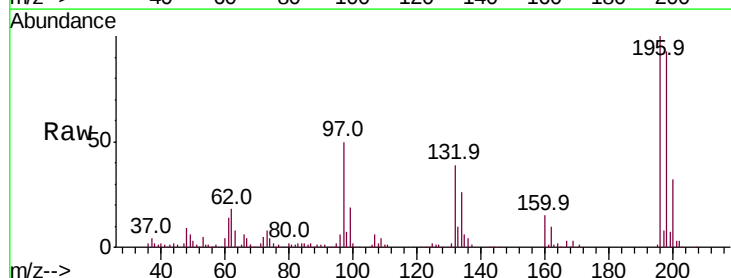


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

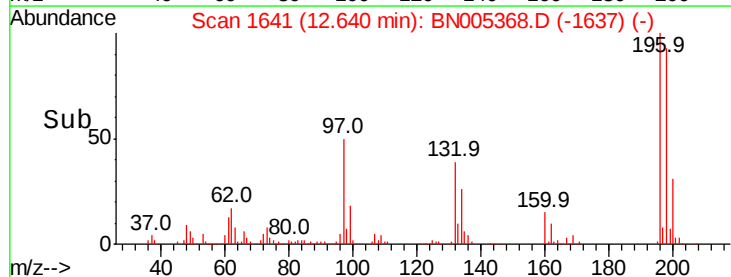
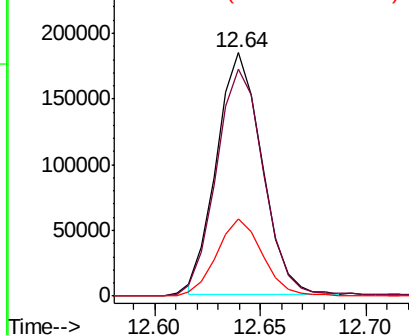


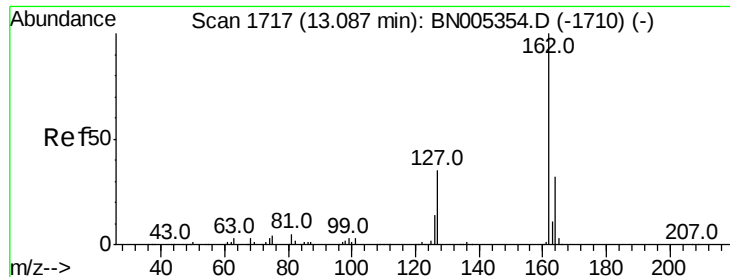
#39
 2,4,5-Trichlorophenol
 Concen: 20.552 ng/ul
 RT: 12.64 min Scan# 1641
 Delta R.T. -0.08 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.4	75.0	112.4
200	31.5	24.2	36.4



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

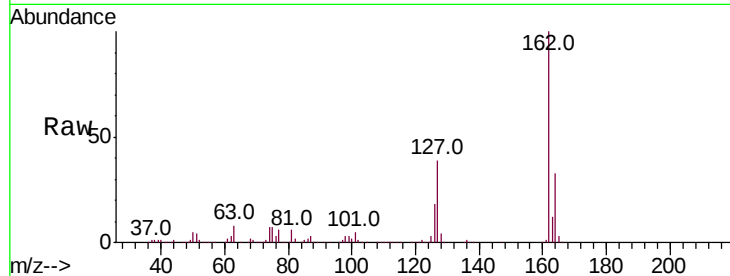




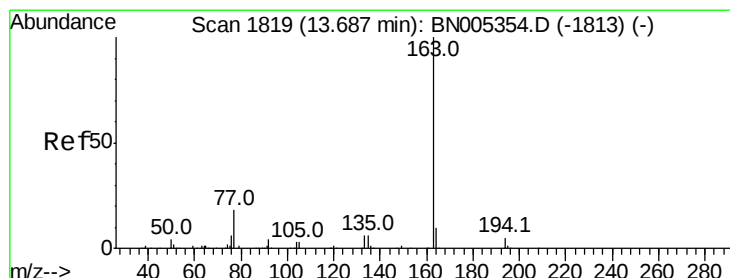
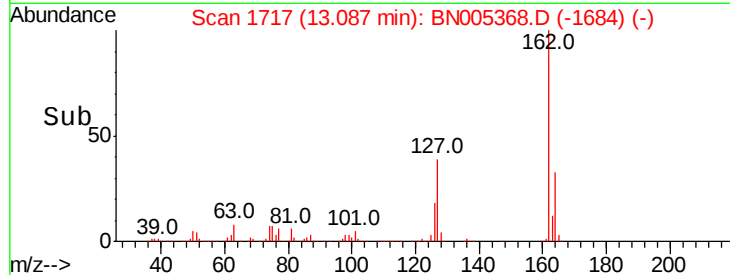
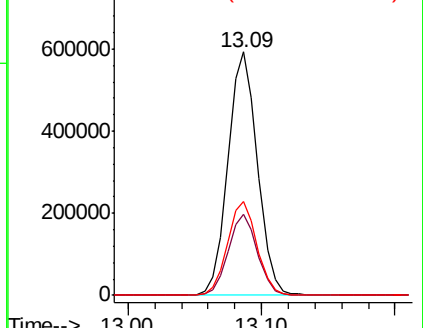
#41
2-Chloronaphthalene
Concen: 24.104 ng/ul
RT: 13.09 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

Instrument :
BNA_N
ClientSampleId :
A5110

Tot Ion	Ratio	Lower	Upper
162	100		
164	33.2	26.8	40.2
127	38.6	33.5	50.3

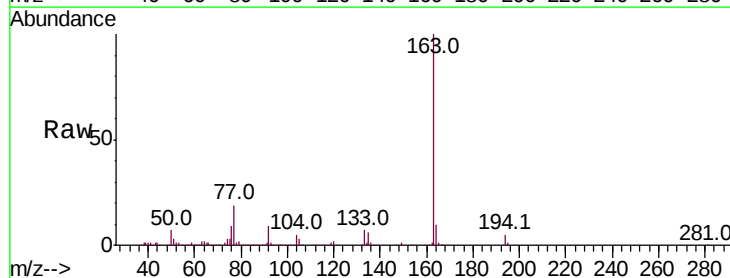


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

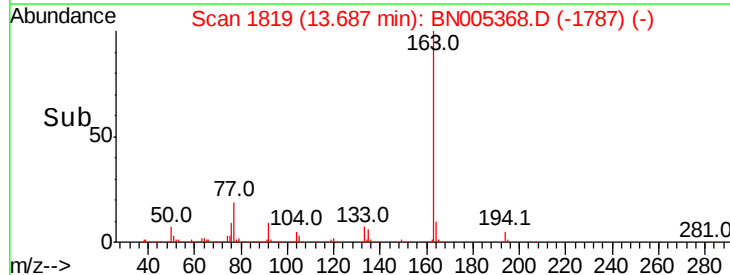
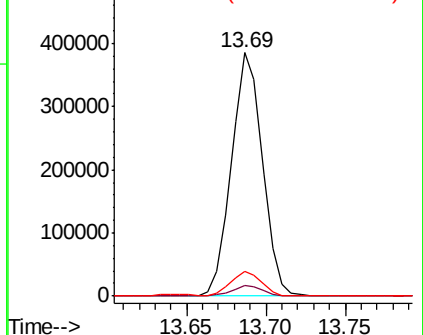


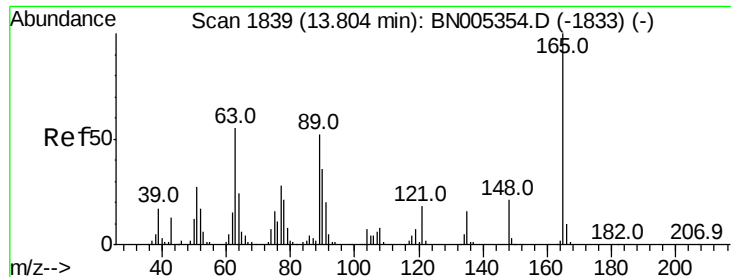
#44
Dimethylphthalate
Concen: 10.932 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005368.D
Acq: 30 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.1	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

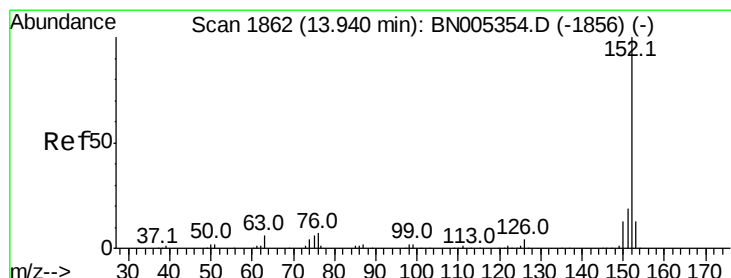
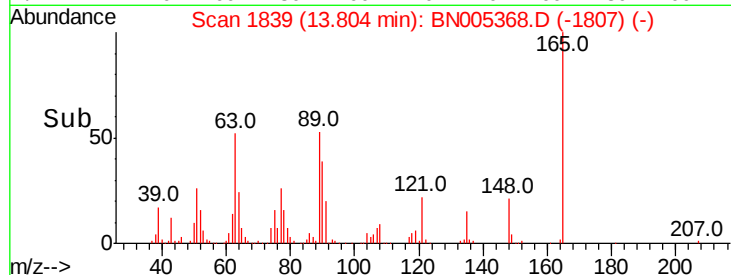
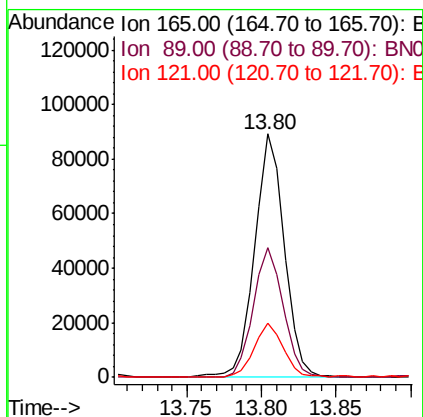
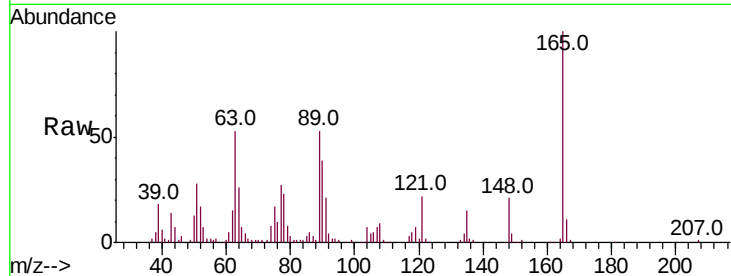




#45
 2,6-Dinitrotoluene
 Concen: 14.810 ng/ul
 RT: 13.80 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

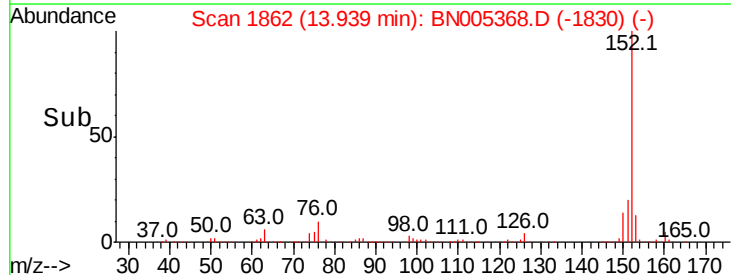
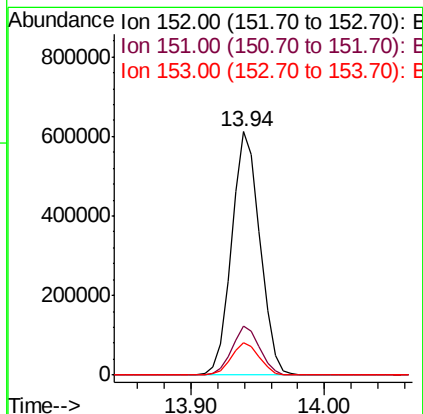
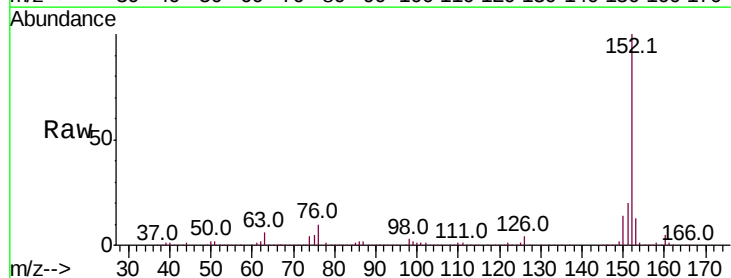
Instrument :
 BNA_N
 ClientSampleId :
 A5110

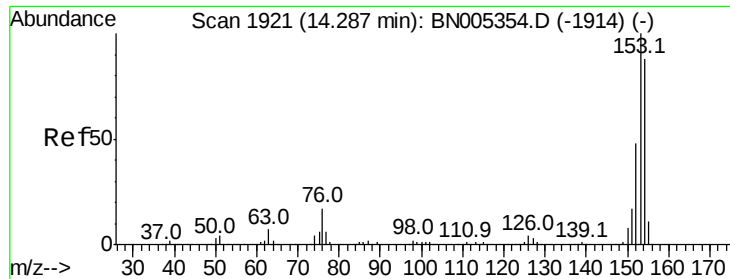
Tot Ion	Ratio	Lower	Upper
165	100		
89	53.2	50.2	75.2
121	22.2	19.4	29.2



#47
 Acenaphthylene
 Concen: 15.581 ng/ul
 RT: 13.94 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.1	9.8	14.8





#49

Acenaphthene

Concen: 16.366 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

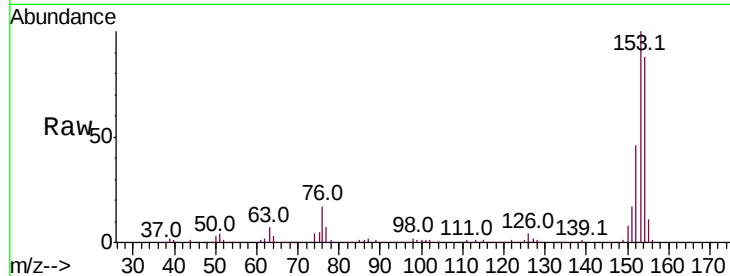
Tot Ion:153 Resp: 646617

Ion Ratio Lower Upper

153 100

152 45.7 37.4 56.0

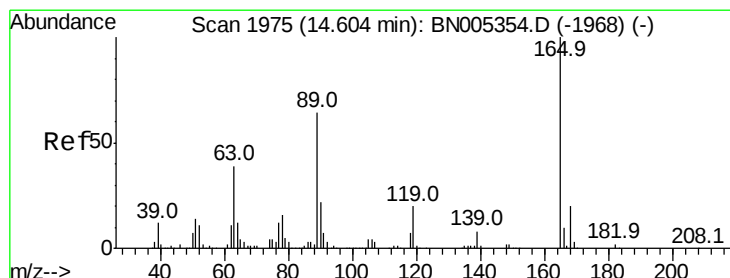
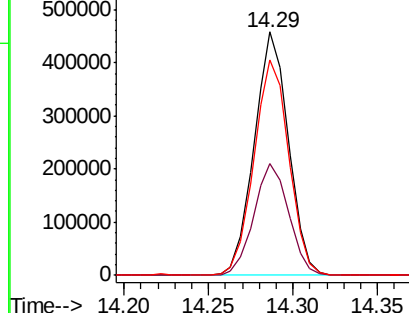
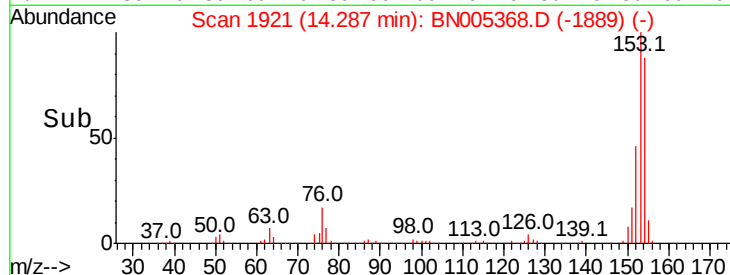
154 88.3 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

2,4-Dinitrotoluene

Concen: 34.420 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

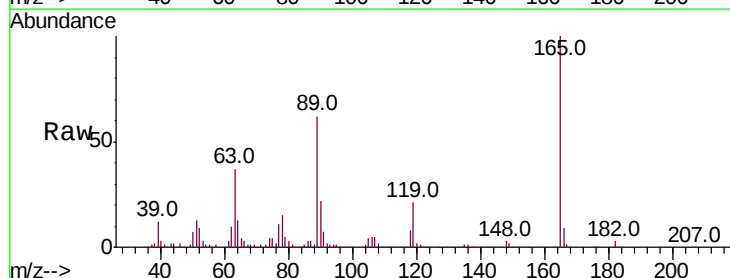
Tgt Ion:165 Resp: 409327

Ion Ratio Lower Upper

165 100

63 37.4 38.9 58.3#

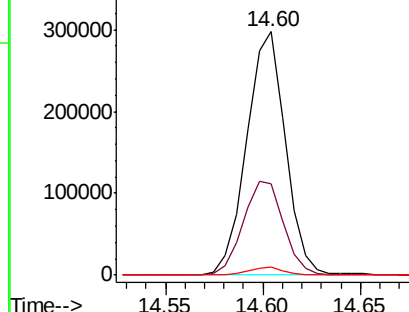
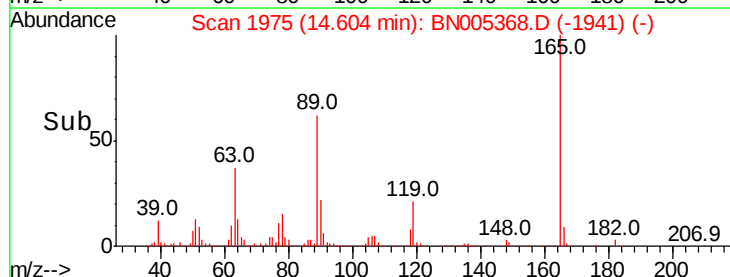
182 3.3 2.6 3.8

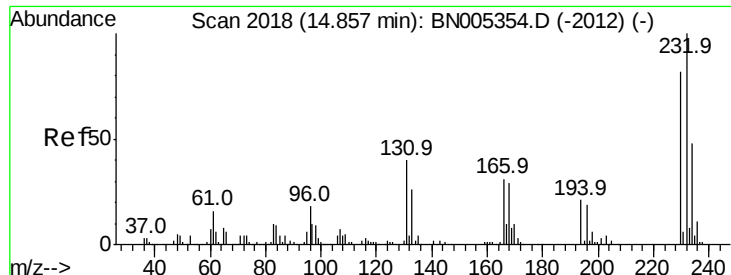


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

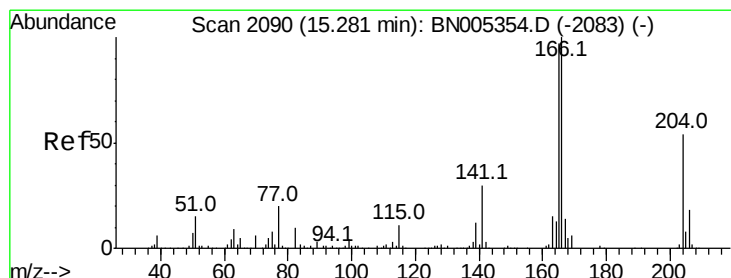
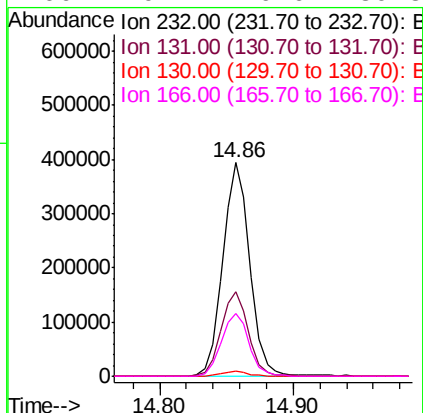
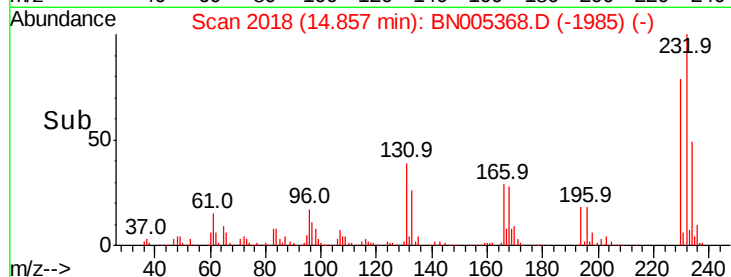
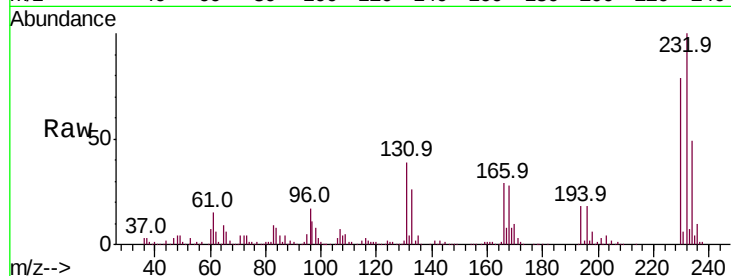




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 50.876 ng/ul
 RT: 14.86 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

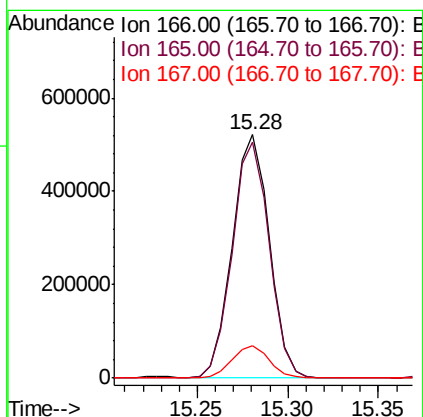
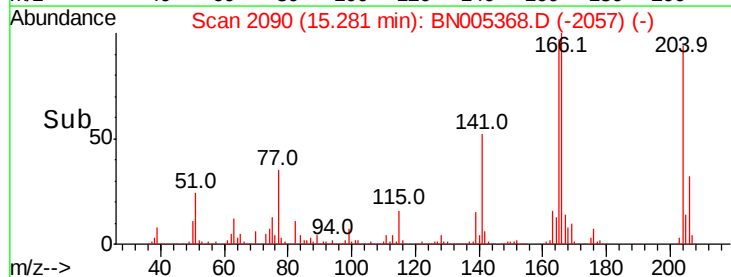
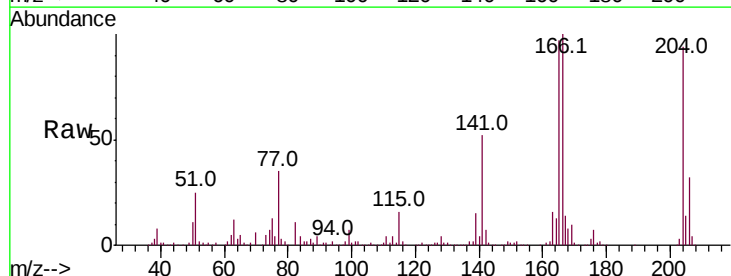
Instrument :
 BNA_N
 ClientSampleId :
 A5110

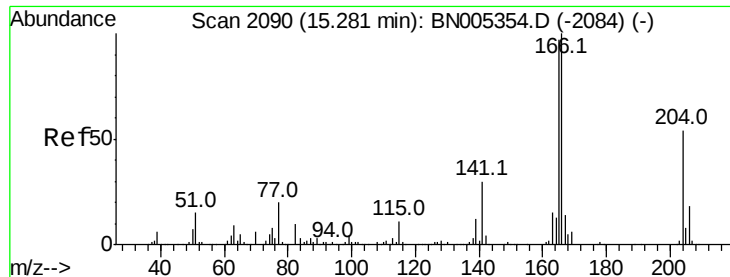
Tot Ion:	232	Resp:	560576
Ion	Ratio	Lower	Upper
232	100		
131	39.4	36.6	54.8
130	2.3	2.0	3.0
166	29.2	26.6	39.8



#58
 Fluorene
 Concen: 16.665 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

Tgt Ion:	166	Resp:	739736
Ion	Ratio	Lower	Upper
166	100		
165	97.0	80.0	120.0
167	13.6	10.7	16.1





#59

4-Chlorophenyl-phenylether

Concen: 27.644 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

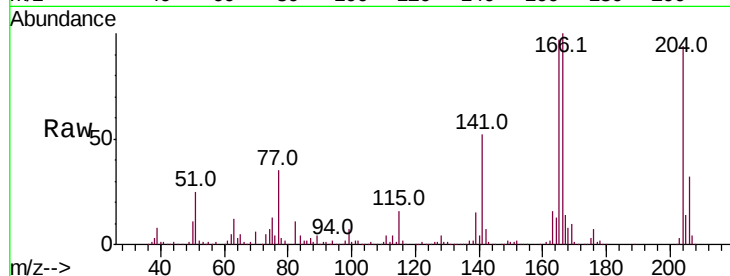
Tot Ion:204 Resp: 650918

Ion Ratio Lower Upper

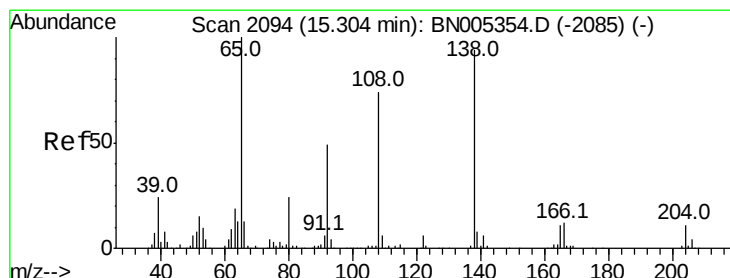
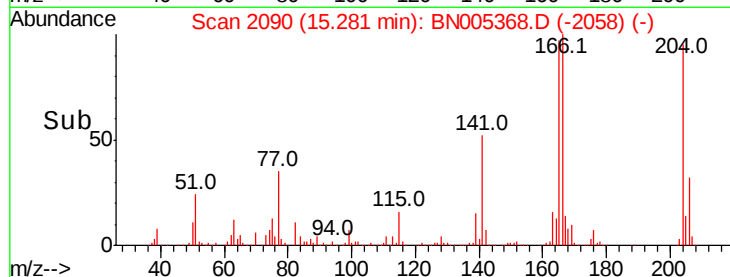
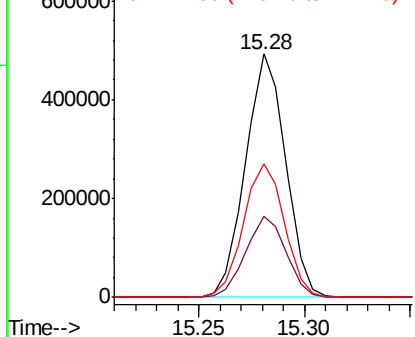
204 100

206 33.4 26.9 40.3

141 54.8 47.9 71.9



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#60

4-Nitroaniline

Concen: 1.522 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.02 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

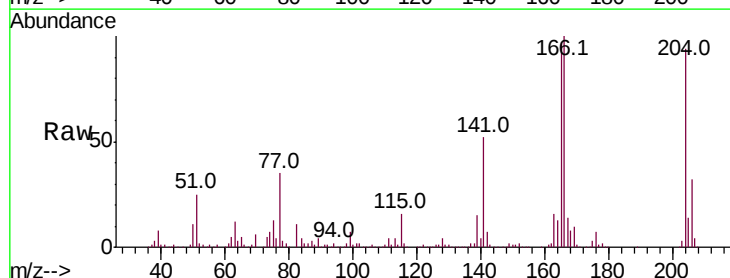
Tgt Ion:138 Resp: 14555

Ion Ratio Lower Upper

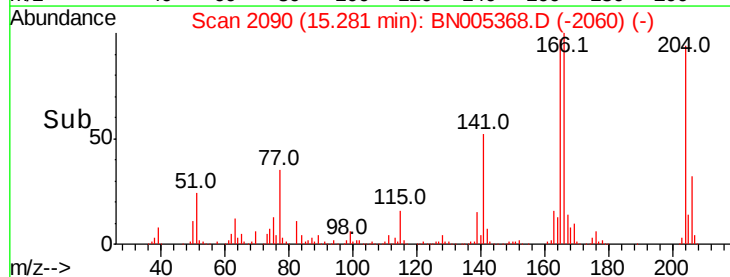
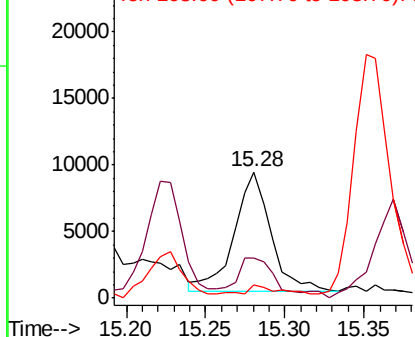
138 100

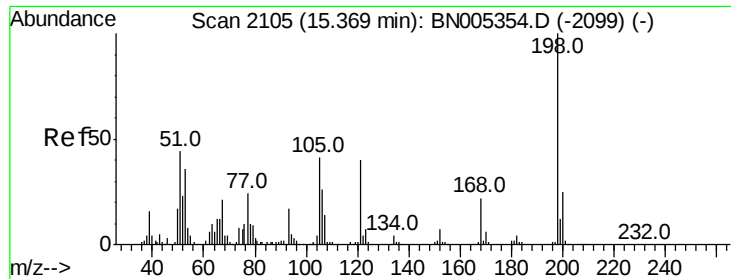
92 31.6 45.3 67.9#

108 10.1 73.2 109.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNC
Ion 108.00 (107.70 to 108.70): E

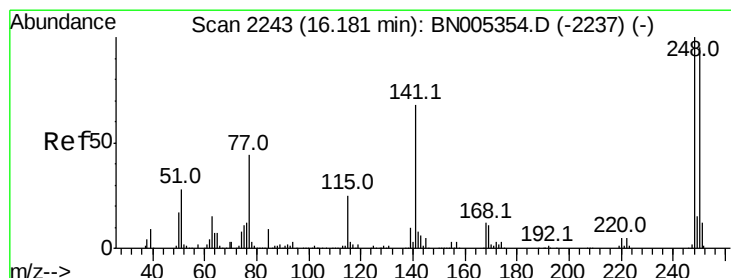
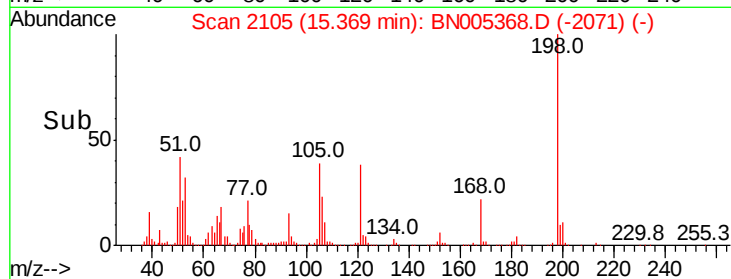
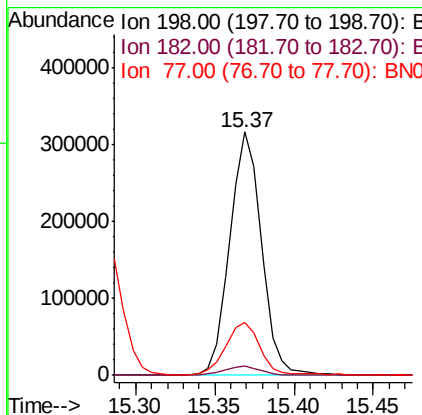
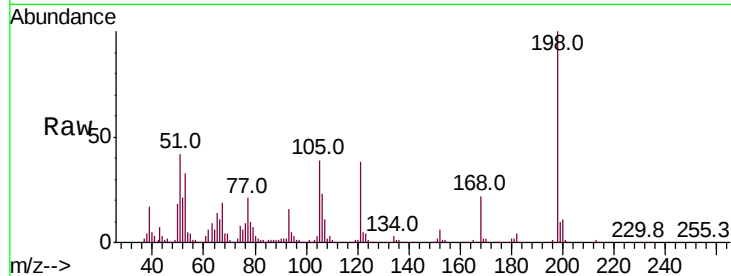




#63
 4,6-Dinitro-2-methylphenol
 Concen: 59.976 ng/ul
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

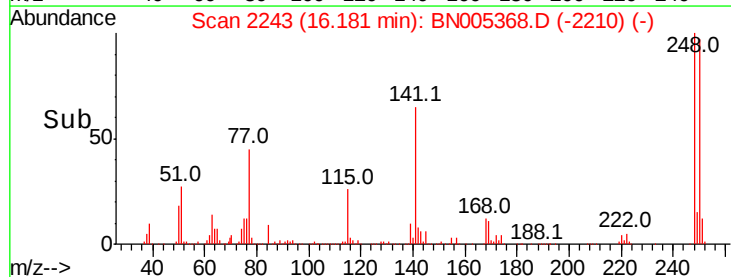
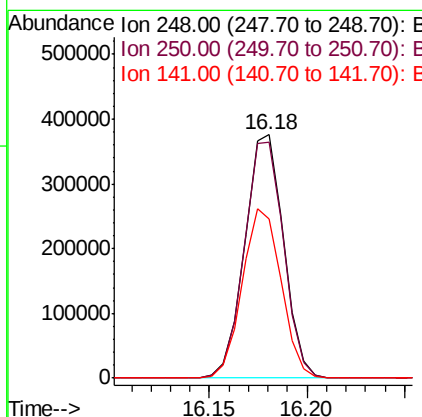
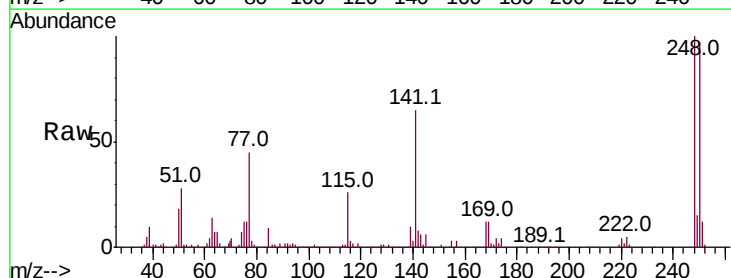
Instrument :
 BNA_N
 ClientSampleId :
 A5110

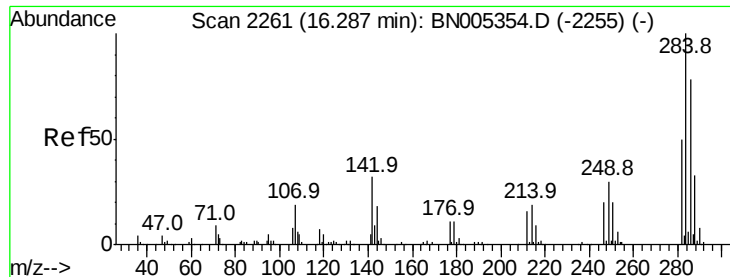
Tot Ion	Ratio	Lower	Upper
198	100		
182	4.0	3.0	4.6
77	21.5	21.9	32.9#



#65
 4-Bromophenyl-phenylether
 Concen: 33.670 ng/ul
 RT: 16.18 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.4	117.6
141	65.2	61.8	92.6





#66

Hexachlorobenzene

Concen: 36.228 ng/ul

RT: 16.29 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

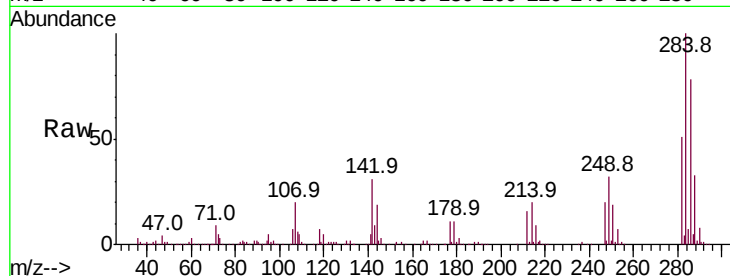
Tot Ion:284 Resp: 594254

Ion Ratio Lower Upper

284 100

142 31.4 29.4 44.2

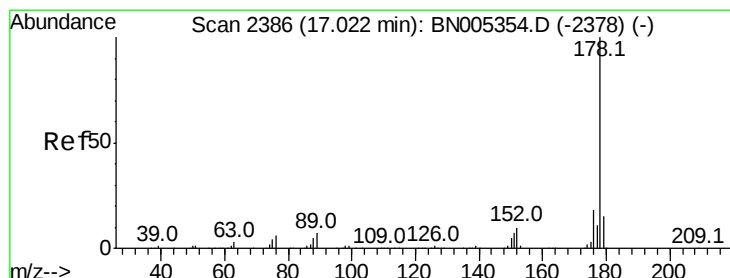
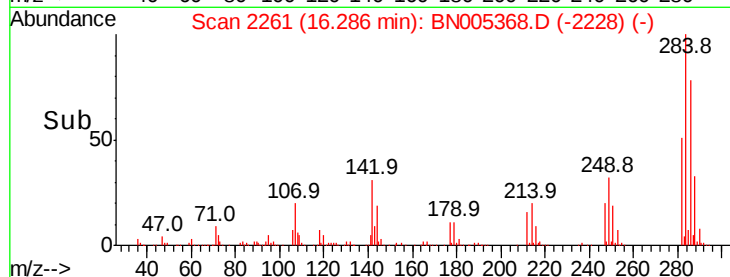
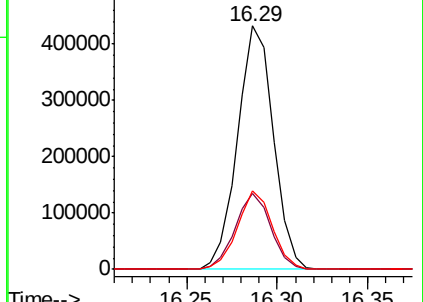
249 32.1 26.1 39.1



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



#69

Phenanthrene

Concen: 18.046 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

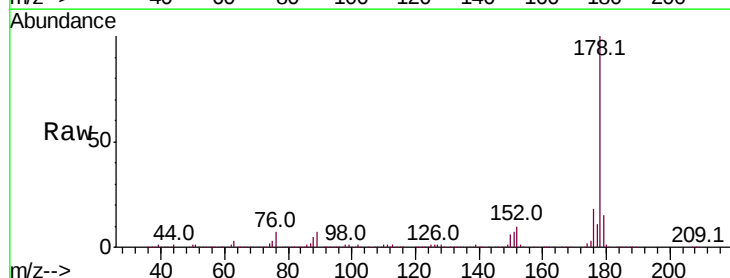
Tgt Ion:178 Resp: 1343871

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

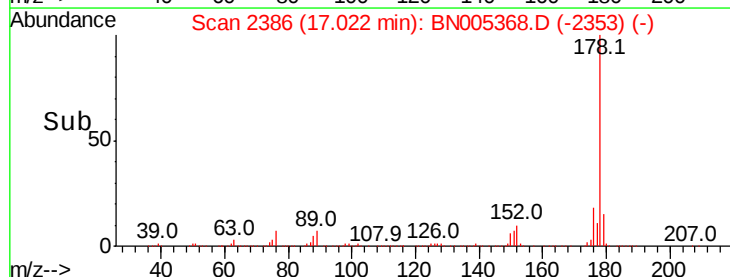
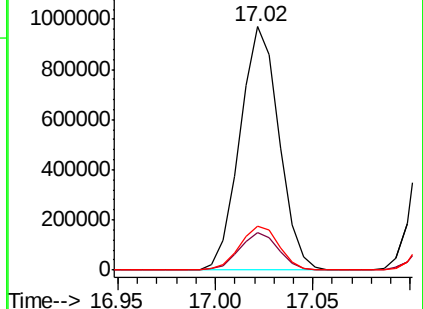
176 18.3 15.1 22.7

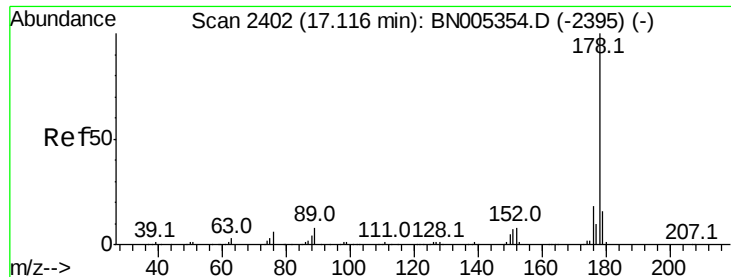


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



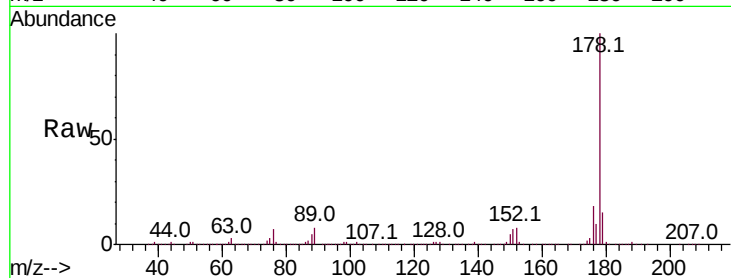


#71
 Anthracene
 Concen: 16.132 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

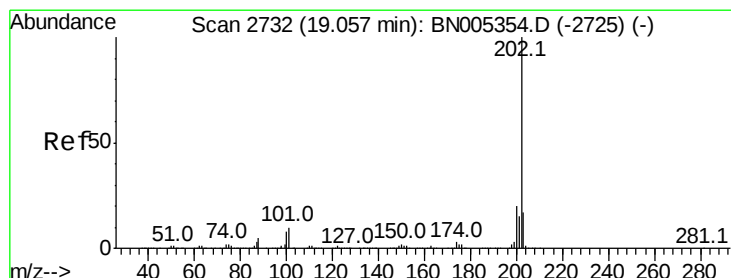
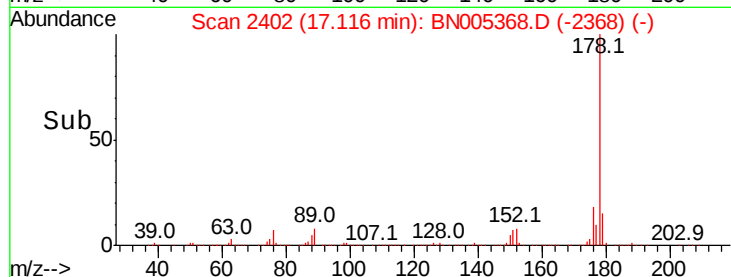
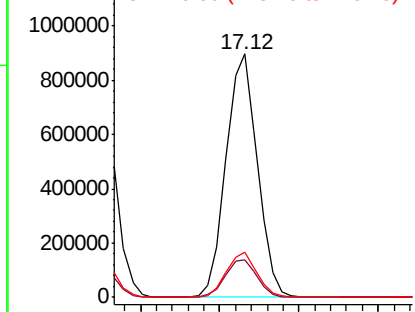
Instrument :
 BNA_N
 ClientSampleId :
 A5110

Tot Ion:178 Resp: 1223771

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.3	15.1	22.7



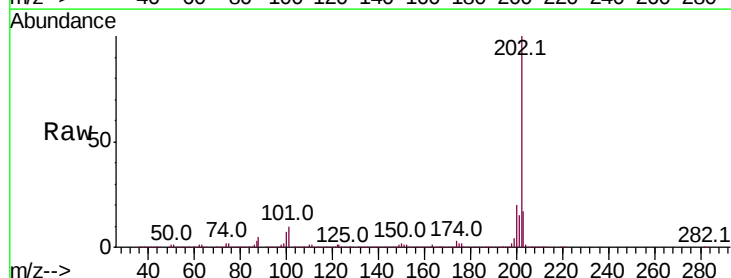
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



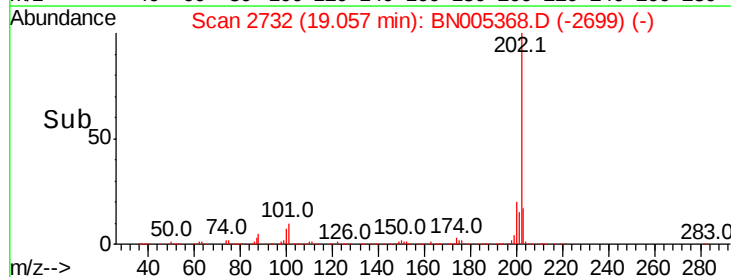
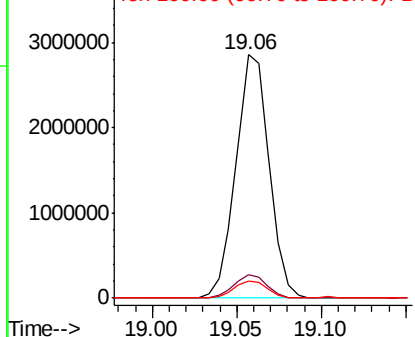
#76
 Fluoranthene
 Concen: 47.333 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BN005368.D
 Acq: 30 Apr 2019 12:27

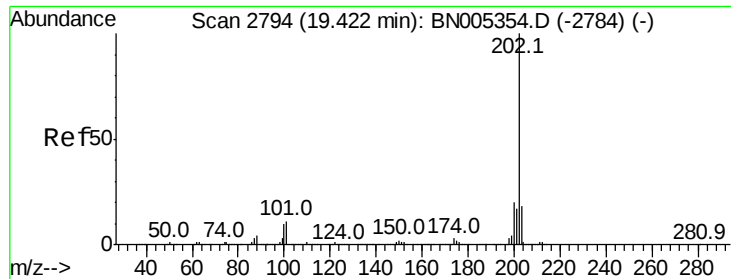
Tgt Ion:202 Resp: 3909746

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.6	12.8
100	7.2	6.3	9.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 15.899 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

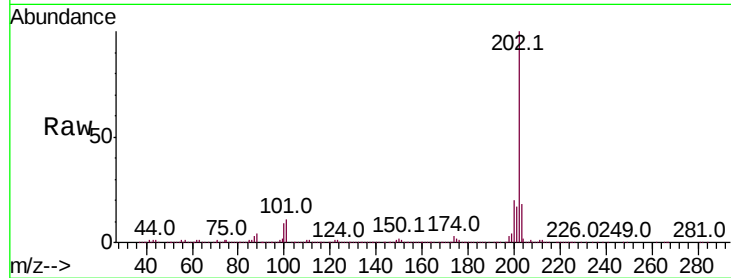
BNA_N

ClientSampleId :

A5110

Tot Ion:202 Resp: 1633277

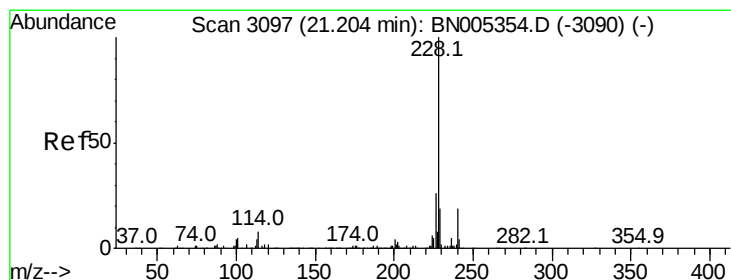
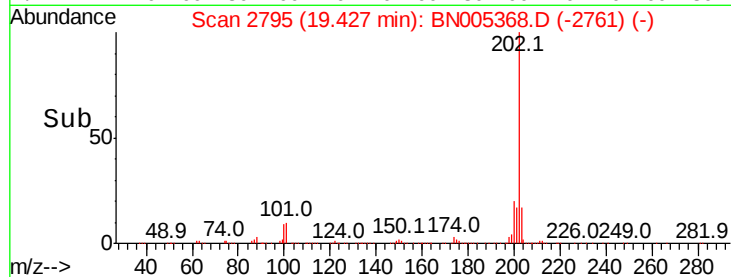
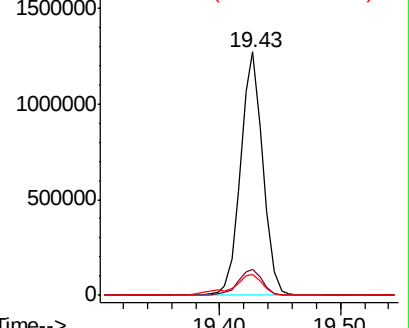
Ion	Ratio	Lower	Upper
202	100		
101	10.7	10.3	15.5
100	8.7	7.9	11.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 16.759 ng/ul

RT: 21.23 min Scan# 3101

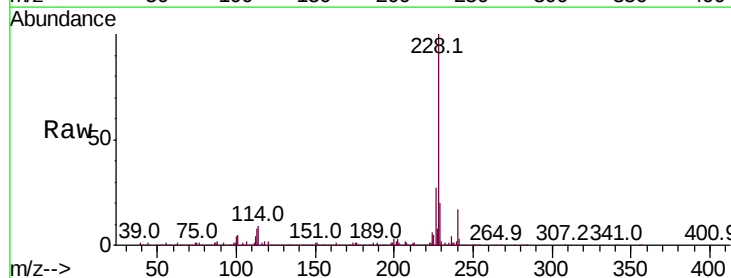
Delta R.T. 0.02 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Tgt Ion:228 Resp: 1663408

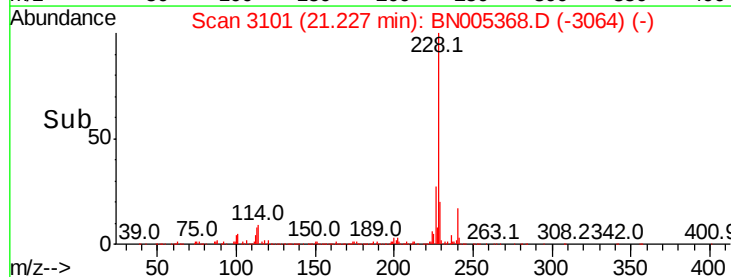
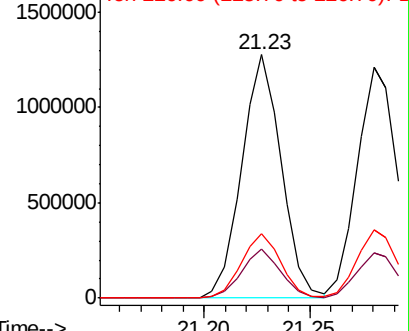
Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	26.5	21.4	32.2

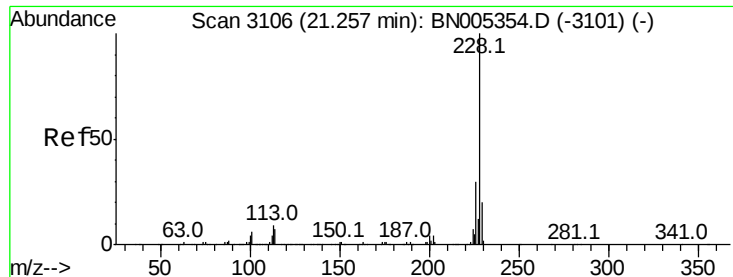


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 17.292 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

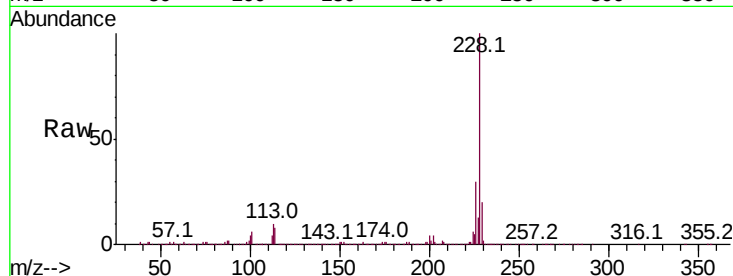
Tot Ion:228 Resp: 1592843

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

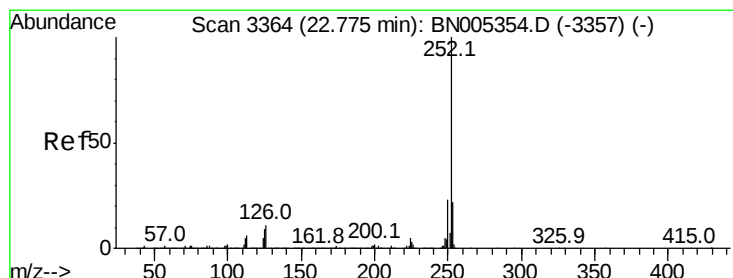
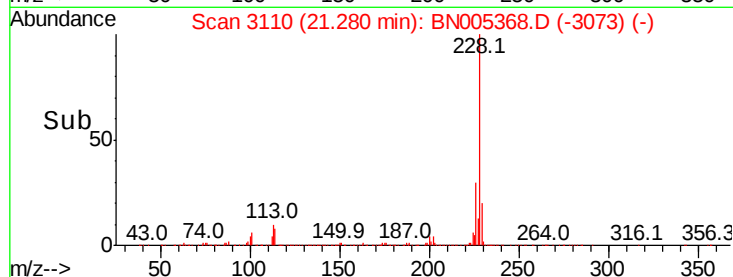
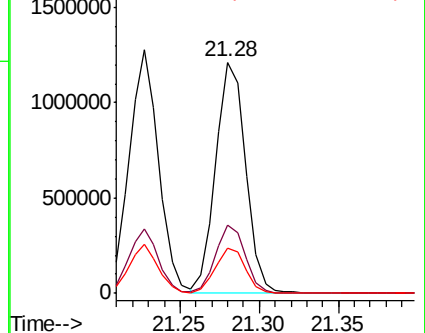
229 19.7 15.4 23.0



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



#87

Benzo(b)fluoranthene

Concen: 54.220 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. 0.04 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

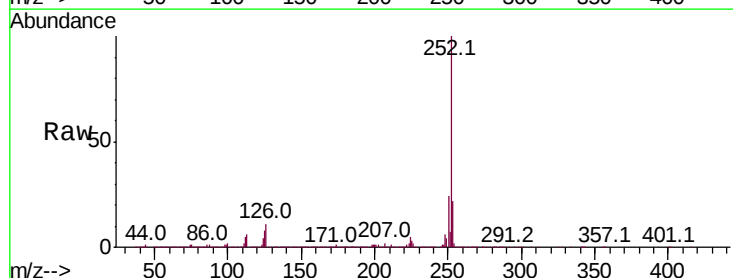
Tgt Ion:252 Resp: 5497549

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

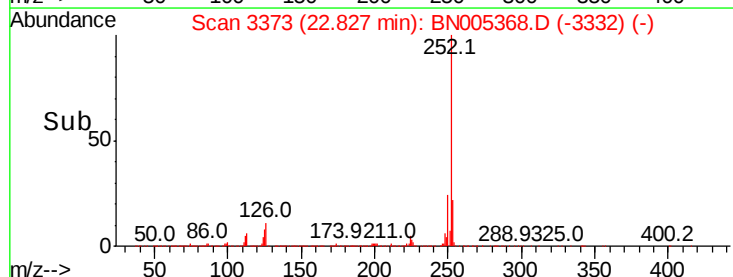
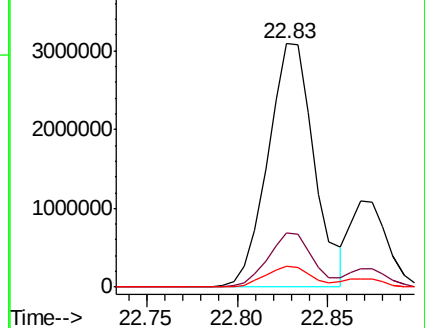
125 8.5 8.4 12.6

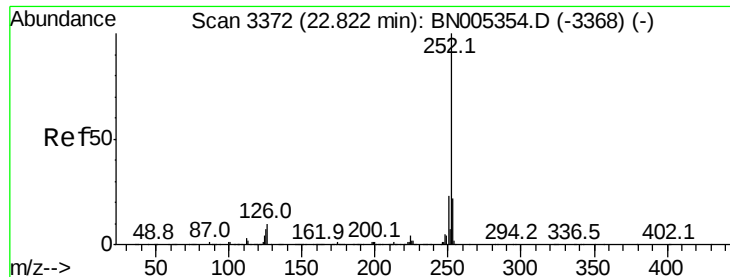


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 15.972 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. 0.04 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

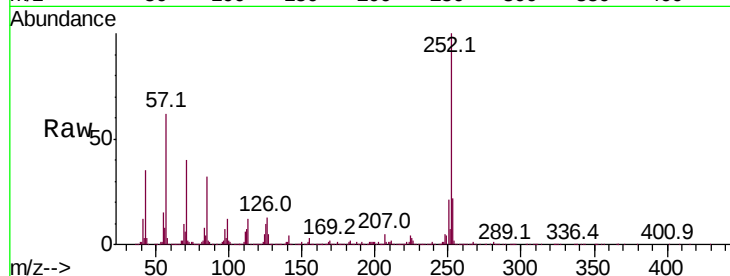
Tot Ion:252 Resp: 1546704

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

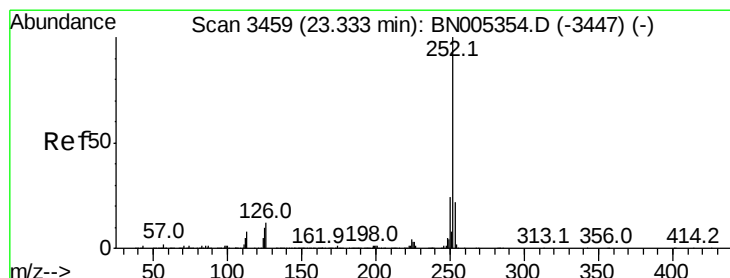
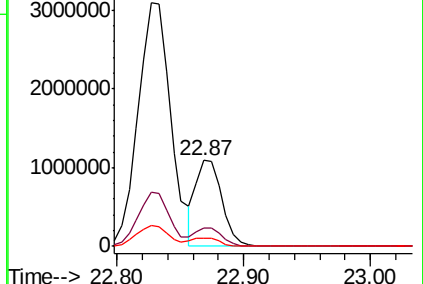
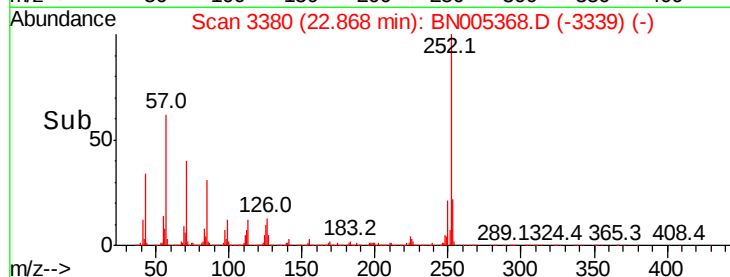
125 9.7 7.5 11.3



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: 9.427 ng/ul

RT: 23.39 min Scan# 3468

Delta R.T. 0.04 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

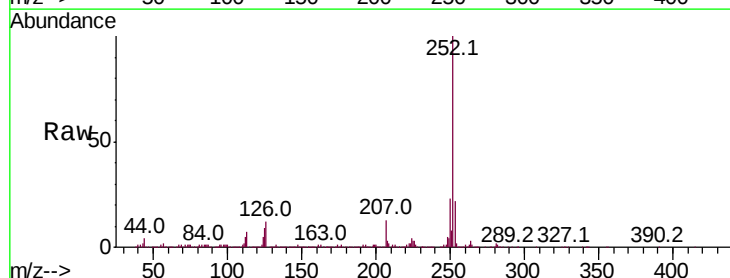
Tgt Ion:252 Resp: 898453

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

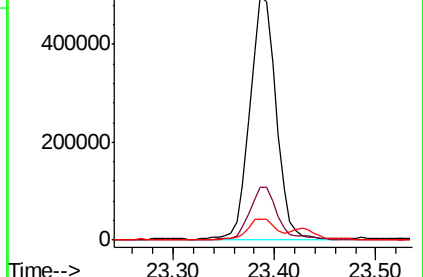
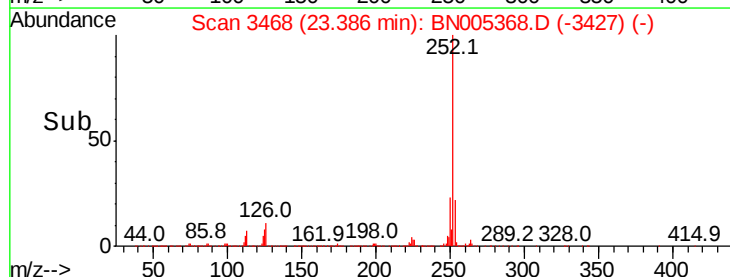
125 8.6 8.6 13.0#

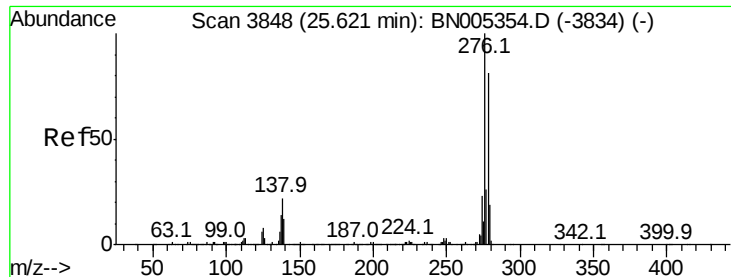


Abundance Ion 252.00 (251.70 to 252.70): E

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: 19.458 ng/ul

RT: 25.68 min Scan# 3858

Delta R.T. 0.05 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

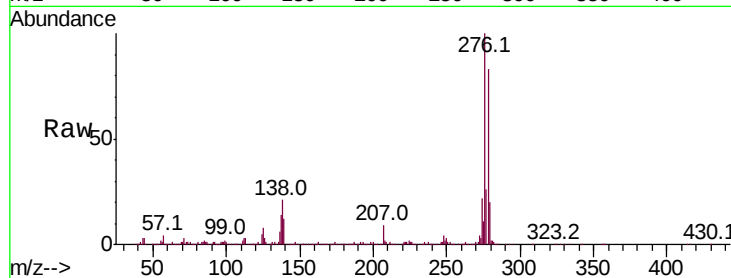
BNA_N

ClientSampleId :

A5110

Tot Ion:276 Resp: 2050257

Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.9	26.9
277	25.6	19.7	29.5



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

800000

600000

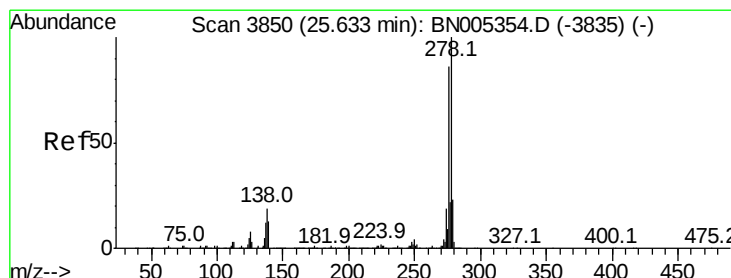
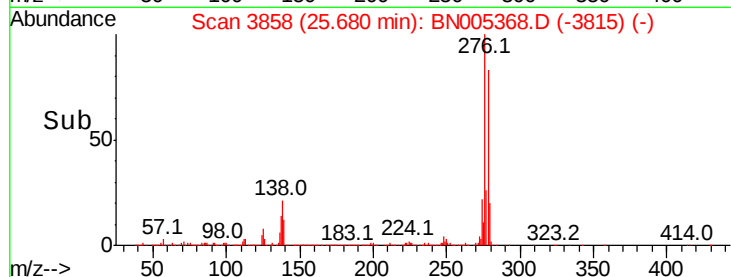
400000

200000

0

25.68

Time-->



#92

Dibenzo(a,h)anthracene

Concen: 23.062 ng/ul

RT: 25.69 min Scan# 3860

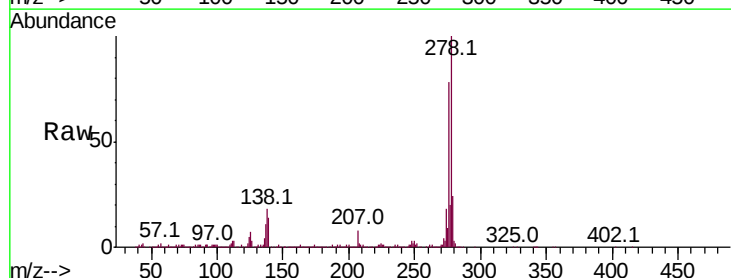
Delta R.T. 0.05 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Tgt Ion:278 Resp: 2062298

Ion	Ratio	Lower	Upper
278	100		
139	13.6	13.1	19.7
279	24.0	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

1000000

800000

600000

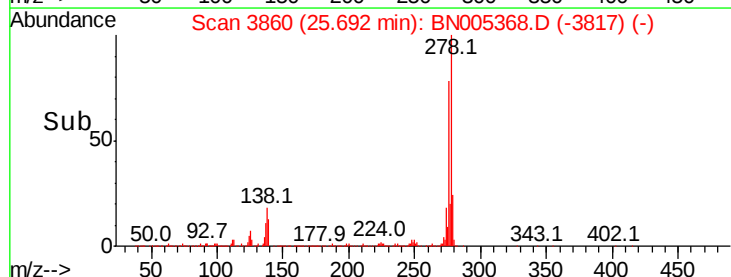
400000

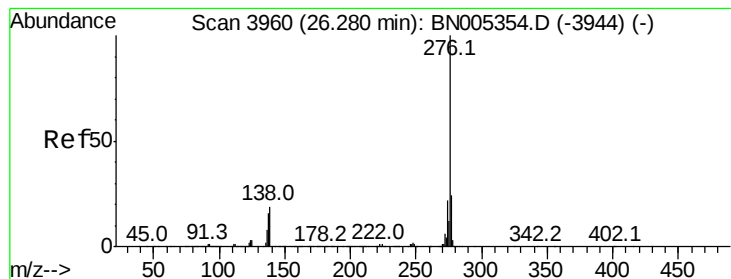
200000

0

25.69

Time-->





#93

Benzo(a,h,i)perylene

Concen: 20.551 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.05 min

Lab File: BN005368.D

Acq: 30 Apr 2019 12:27

Instrument :

BNA_N

ClientSampleId :

A5110

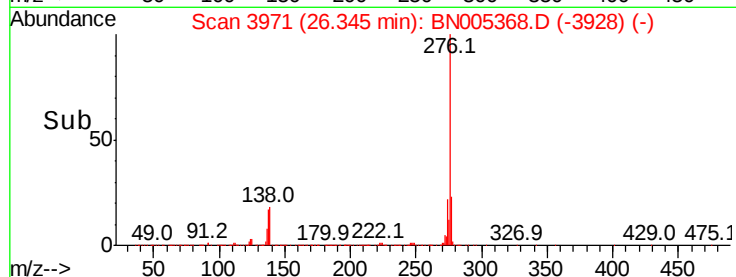
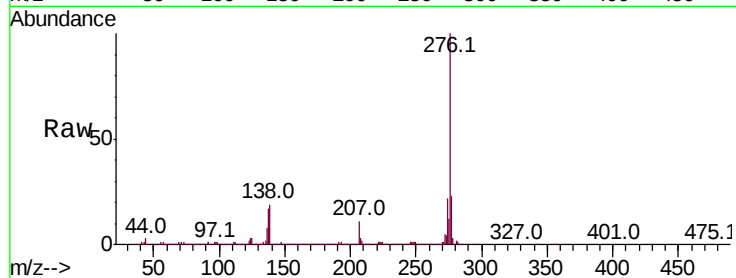
Tot Ion:276 Resp: 1790534

Ion Ratio Lower Upper

276 100

138 18.5 16.7 25.1

277 23.5 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

