

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
 Data File : BN002602.D
 Acq On : 06 Sep 2018 04:13
 Operator : JU/SJ
 Sample : J4688-19MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z22MS

Manual Integrations
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Quant Time: Sep 06 08:45:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 06 06:54:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	154357	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	721058	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	443145	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1040190	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	1071570	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	921791	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10699	3.27	ng/uL	0.00
5) Phenol-d5	6.85	99	278563	19.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	169204	19.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	226672	21.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	207943	18.38	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	111779	19.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	129764	21.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	232084	20.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	188725	15.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	751241	20.45	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	930863	20.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	107882	15.54	ng/ul	0.00
57) Fluorene-d10	15.29	176	664518	20.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	114926	17.35	ng/ul	0.00
70) Anthracene-d10	17.14	188	1027501	20.68	ng/ul	0.00
78) Pyrene-d10	19.45	212	1139210	22.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	1013545	21.03	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.82	77	11775	1.211	ng/ul#	67
6) Phenol	6.88	94	269884	18.724	ng/ul	93
10) 2-Chlorophenol	7.23	128	202715	18.677	ng/ul#	89
15) N-Nitroso-di-n-propylamine	8.46	70	166794	17.474	ng/ul#	85
28) Naphthalene	10.48	128	56700	1.528	ng/ul	97
33) 4-Chloro-3-methylphenol	11.73	107	238210	19.276	ng/ul	98
34) 2-Methylnaphthalene	12.10	142	38699	1.413	ng/ul	95
44) Dimethylphthalate	13.76	163	517607	14.367	ng/ul	100
47) Acenaphthylene	14.01	152	91407	2.130	ng/ul	98
49) Acenaphthene	14.36	153	614082	20.289	ng/ul	98
52) 4-Nitrophenol	14.53	109	75693	14.382	ng/ul#	84
53) Dibenzofuran	14.69	168	60201	1.410	ng/ul	99
54) 2,4-Dinitrotoluene	14.67	165	203569	18.548	ng/ul#	88
58) Fluorene	15.35	166	61062	1.748	ng/ul#	97
68) Pentachlorophenol	16.70	266	111336	16.795	ng/ul	98
69) Phenanthrene	17.09	178	1041946	18.170	ng/ul	99
71) Anthracene	17.17	178	248548	4.274	ng/ul	99
74) Carbazole	17.45	167	133921	2.597	ng/ul	98
75) Di-n-butylphthalate	18.02	149	379703	6.056	ng/ul	99
76) Fluoranthene	19.11	202	1945593	29.811	ng/ul	99
79) Pyrene	19.47	202	2972633	46.007	ng/ul	98
82) Benzo(a)anthracene	21.23	228	923426	14.066	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.17	149	2025566	49.327	ng/ul#	96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 06 06:54:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Chrysene	21.28	228	981916	15.803	ng/ul	98
87) Benzo(b)fluoranthene	22.80	252	1262103	22.842	ng/ul	99
88) Benzo(k)fluoranthene	22.84	252	344453m	6.617	ng/ul	
90) Benzo(a)pyrene	23.37	252	687774	13.067	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.67	276	422493	6.747	ng/ul#	91
92) Dibenzo(a,h)anthracene	25.67	278	113119	2.161	ng/ul#	78
93) Benzo(q,h,i)perylene	26.35	276	373951	7.157	ng/ul	97

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

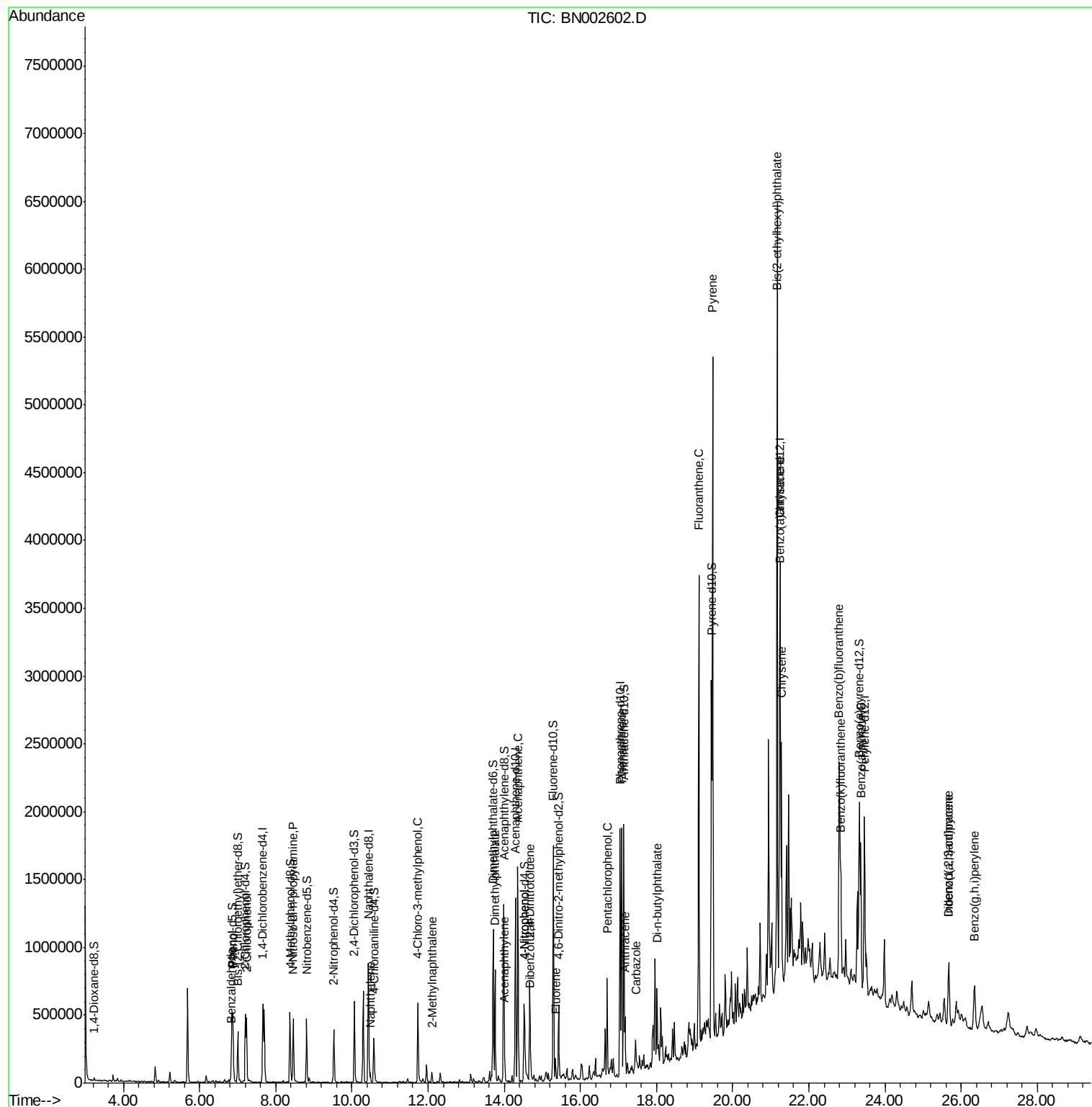
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
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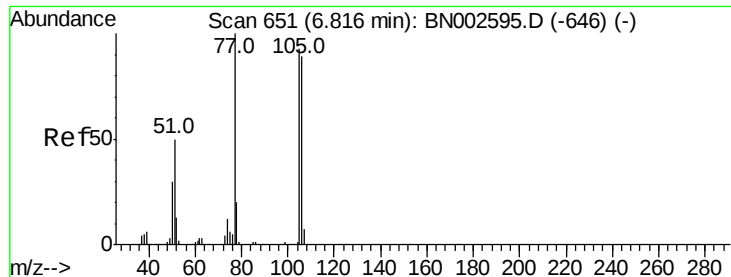
Instrument :
BNA_N
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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 1.211 ng/ul

RT: 6.82 min Scan# 652

Delta R.T. 0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

ClientSampled :

A3Z22MS

Tot Ion: 77 Resp: 11775

Ion Ratio Lower Upper

77 100

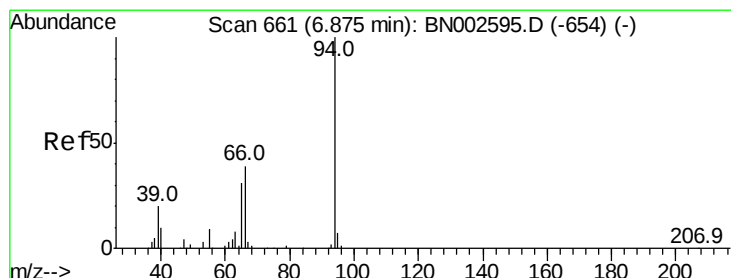
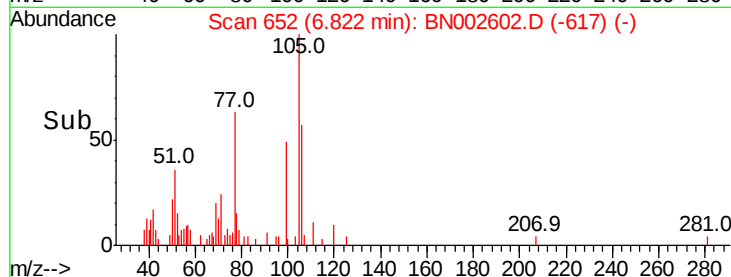
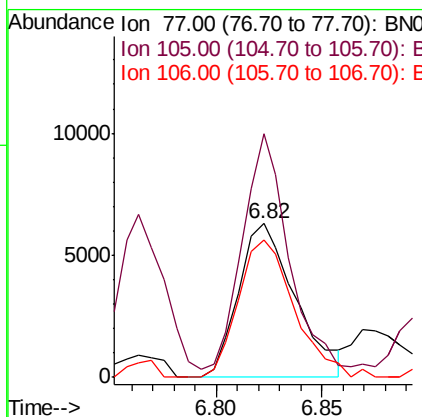
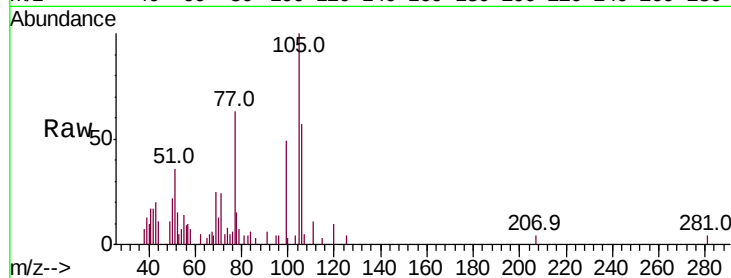
105 158.5 80.6 120.8#

106 89.6 77.7 116.5

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#6

Phenol

Concen: 18.724 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

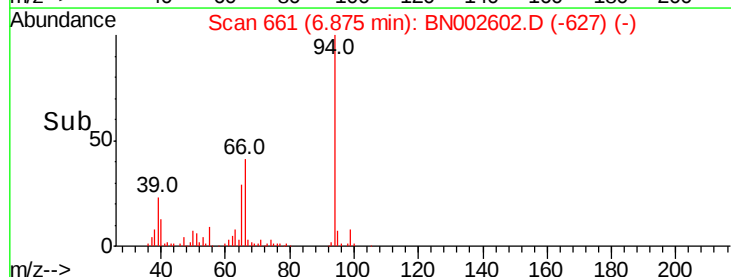
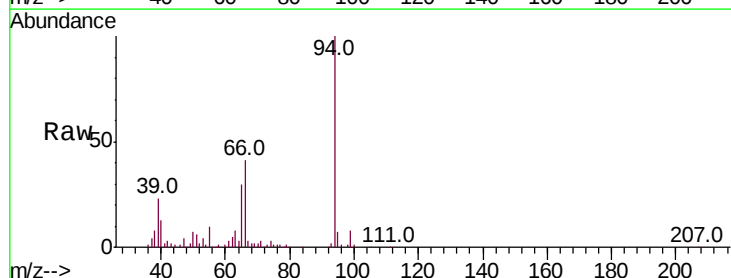
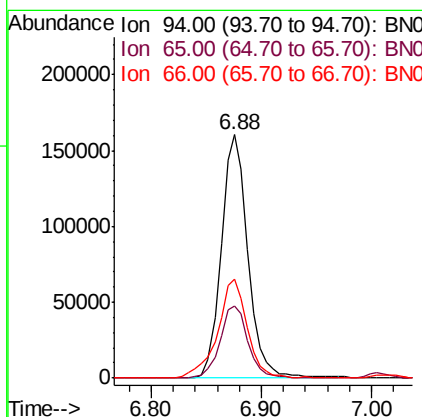
Tgt Ion: 94 Resp: 269884

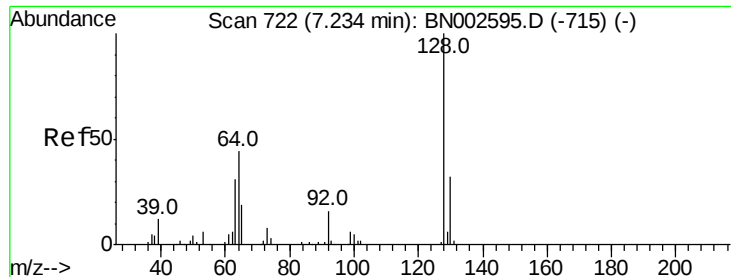
Ion Ratio Lower Upper

94 100

65 29.7 21.0 31.6

66 40.9 29.3 43.9





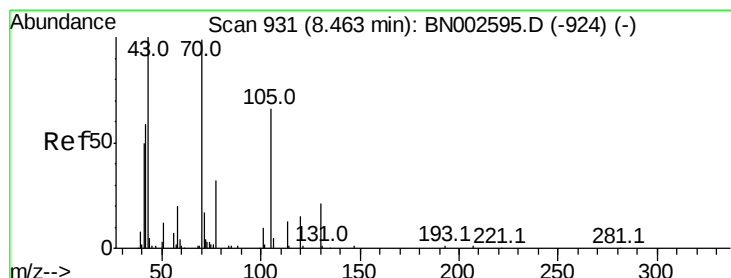
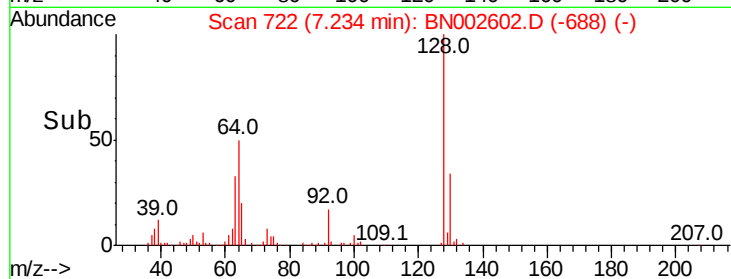
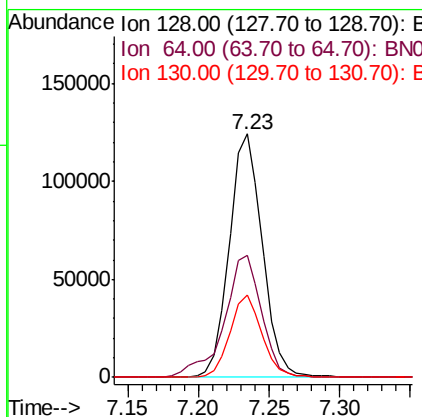
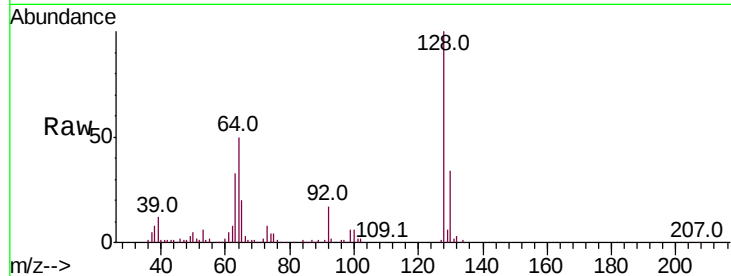
#10
2-Chlorophenol
Concen: 18.677 ng/ul
RT: 7.23 min Scan# 722
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Instrument :
BNA_N
ClientSampleId :
A3Z22MS

Tot Ion	Ratio	Resp Lower	Upper
128	100		
64	50.0	31.9	47.9#
130	33.9	25.6	38.4

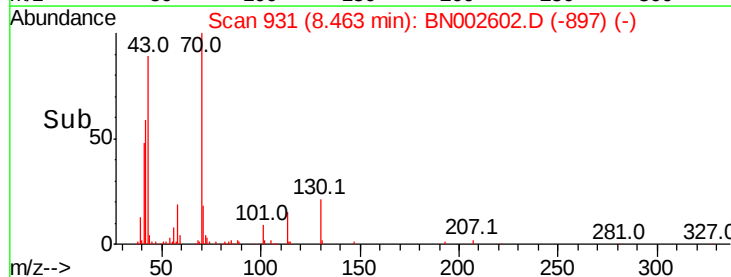
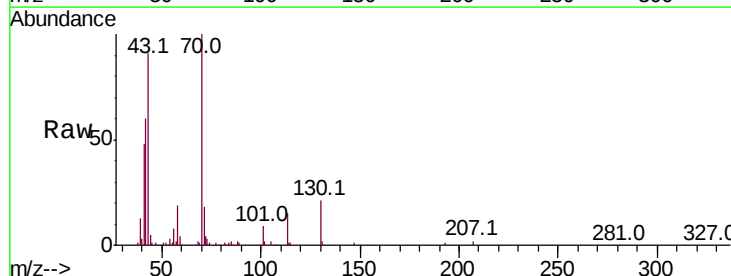
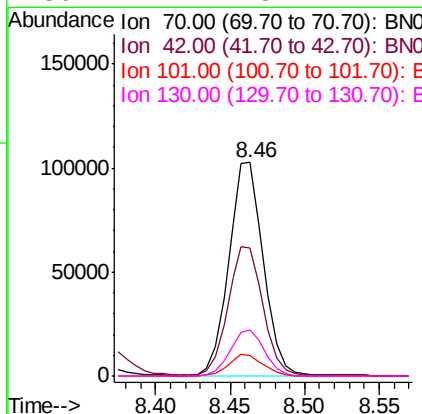
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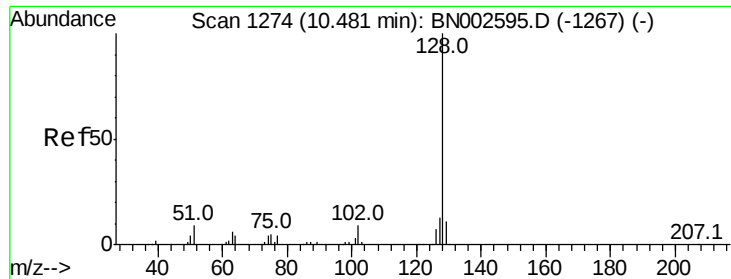
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#15
N-Nitroso-di-n-propylamine
Concen: 17.474 ng/ul
RT: 8.46 min Scan# 931
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Resp Lower	Upper
70	100		
42	59.7	35.4	53.0#
101	9.4	8.4	12.6
130	21.4	18.2	27.4





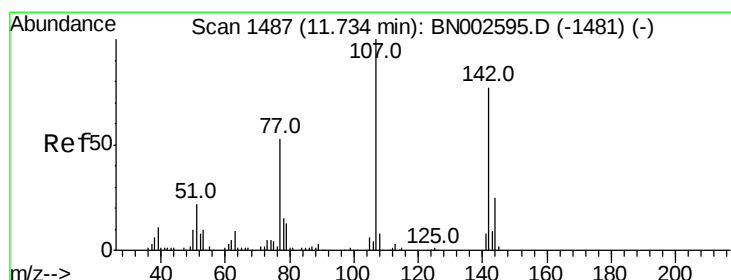
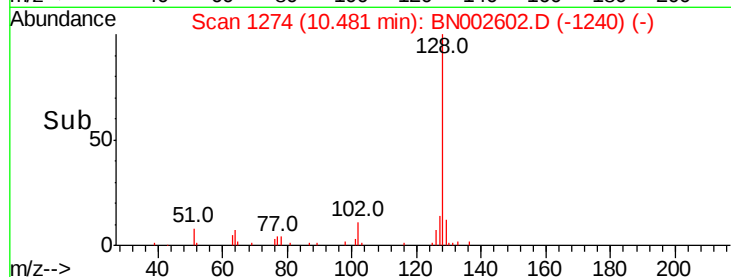
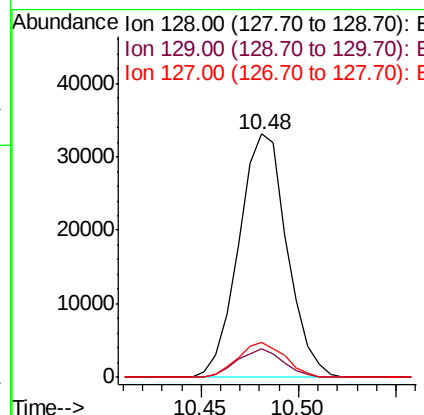
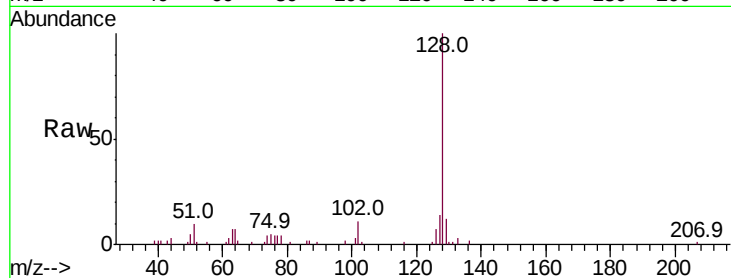
#28
Naphthalene
Concen: 1.528 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Instrument :
BNA_N
ClientSampleId :
A3Z22MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	14.3	10.5	15.7

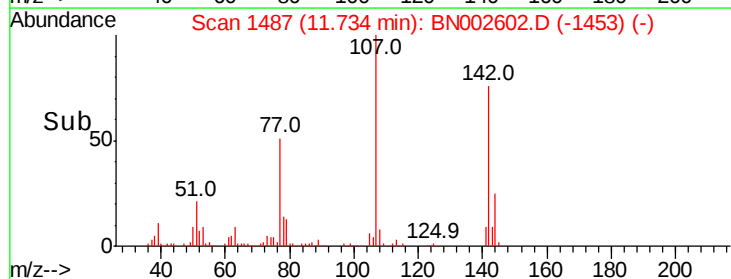
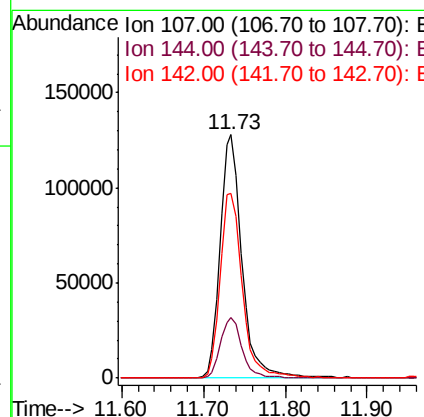
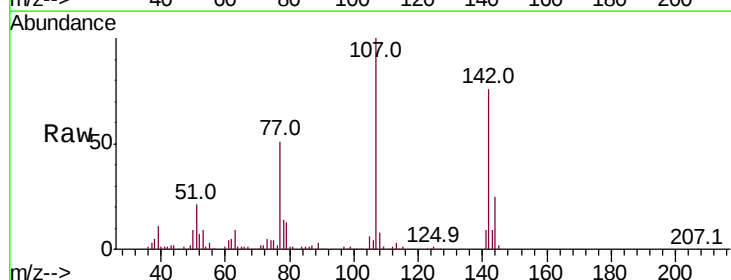
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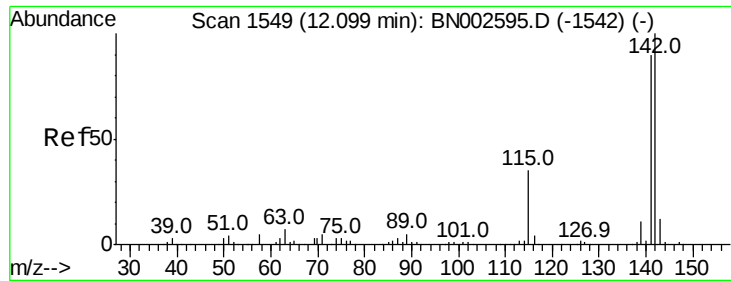
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#33
4-Chloro-3-methylphenol
Concen: 19.276 ng/ul
RT: 11.73 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	75.8	62.5	93.7





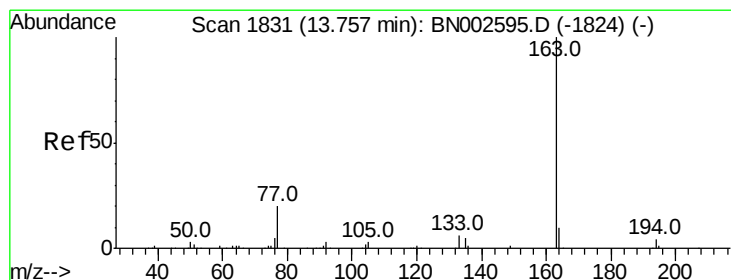
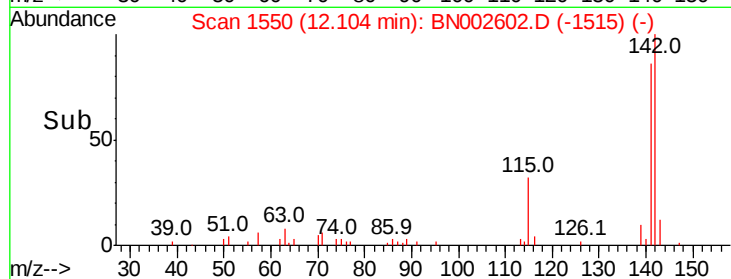
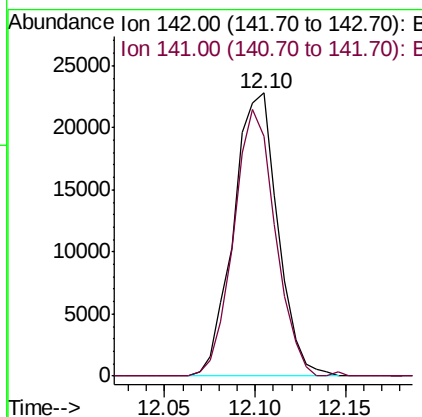
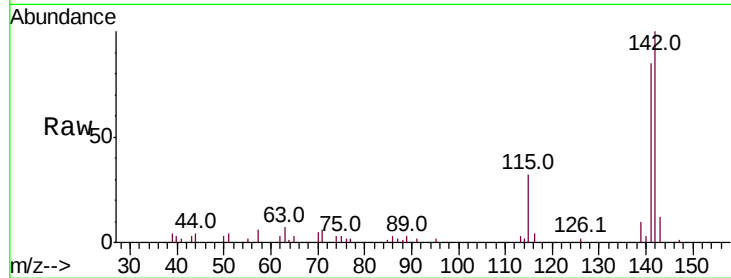
#34
2-Methylnaphthalene
Concen: 1.413 ng/ul
RT: 12.10 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Instrument :
BNA_N
ClientSampled :
A3Z22MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.6	71.6	107.4

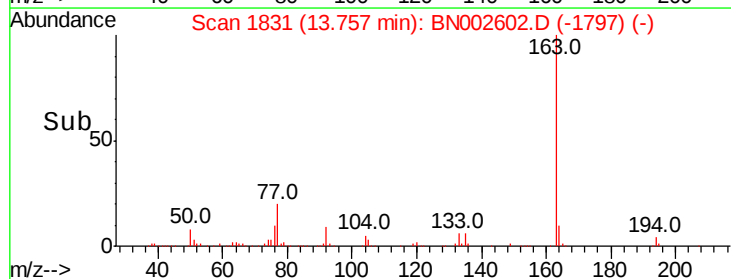
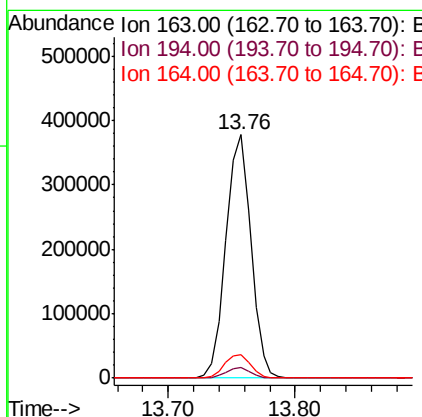
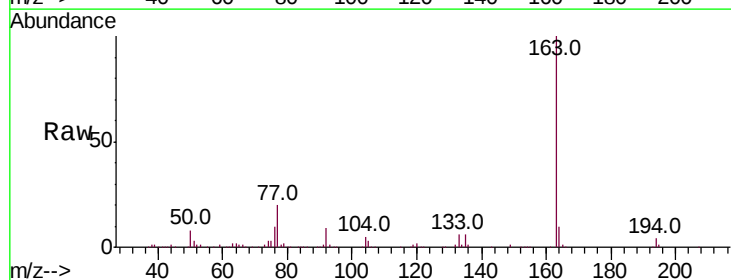
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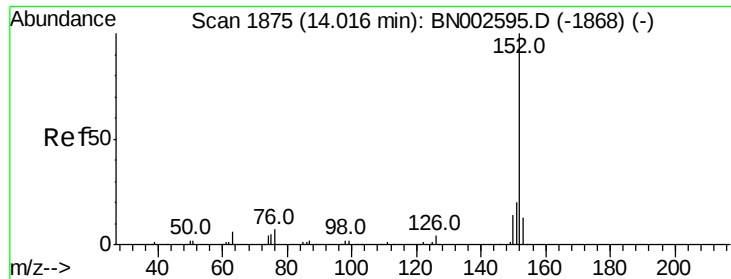
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#44
Dimethylphthalate
Concen: 14.367 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.7	7.8	11.8





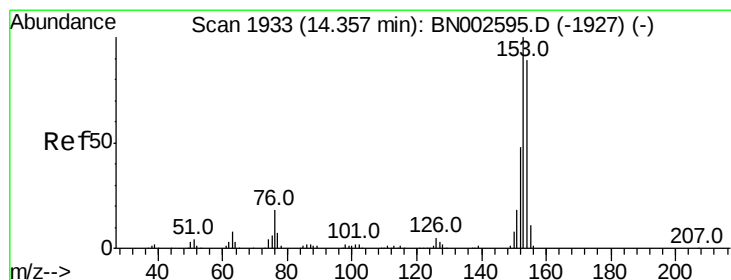
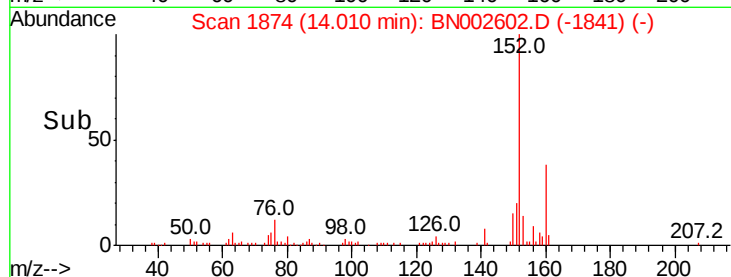
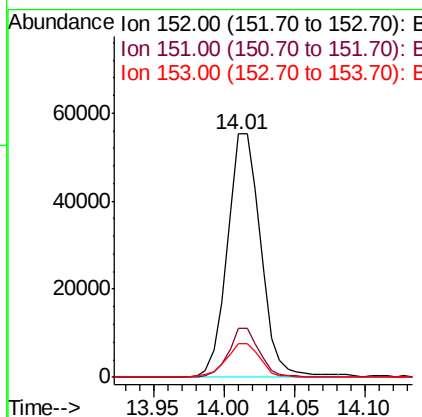
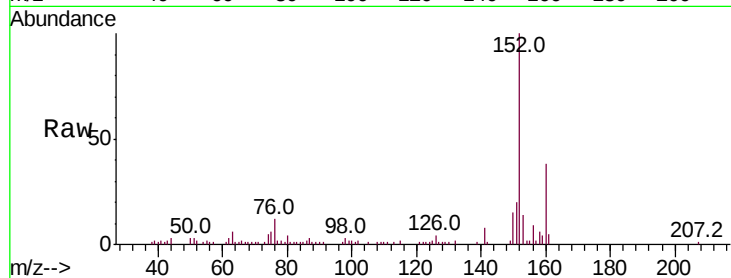
#47
Acenaphthylene
Concen: 2.130 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.01 min
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Acq: 06 Sep 2018 04:13

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Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	13.7	10.5	15.7

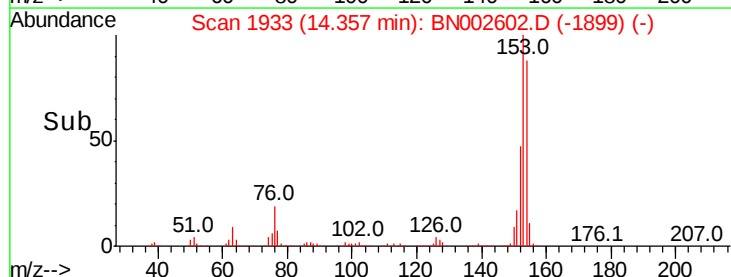
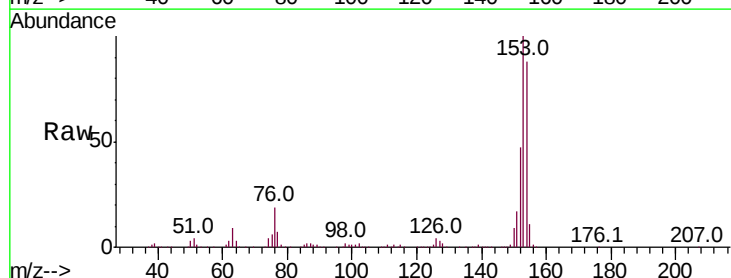
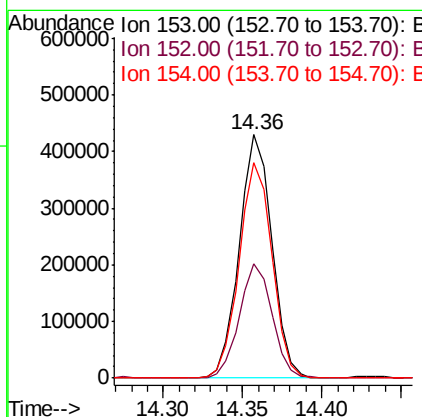
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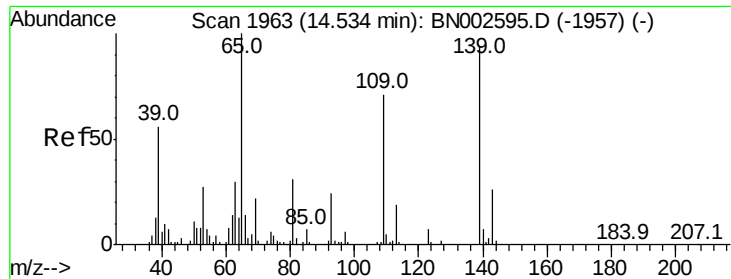
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#49
Acenaphthene
Concen: 20.289 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.9	38.3	57.5
154	88.2	71.8	107.8





#52

4-Nitrophenol

Concen: 14.382 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

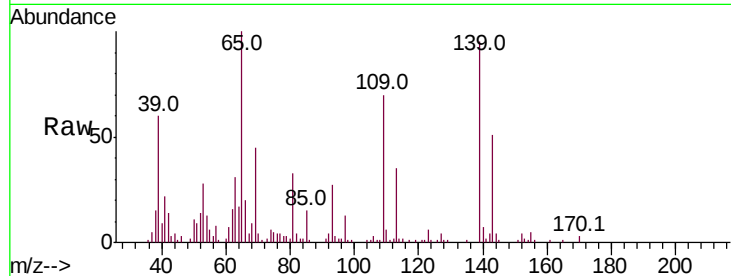
ClientSampled :

A3Z22MS

Tot Ion	Ratio	Lower	Upper
109	100		
139	136.0	103.7	155.5
65	142.5	89.4	134.2

Manual Integrations
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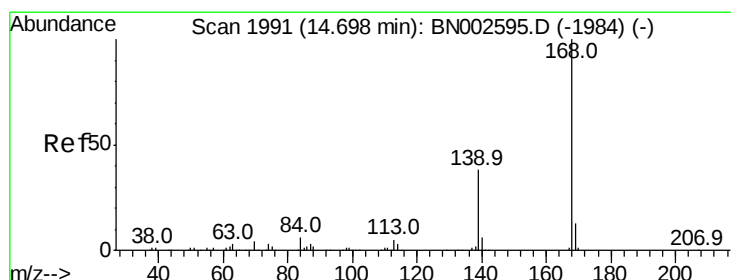
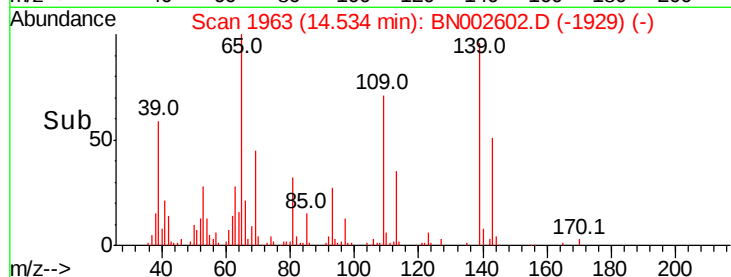
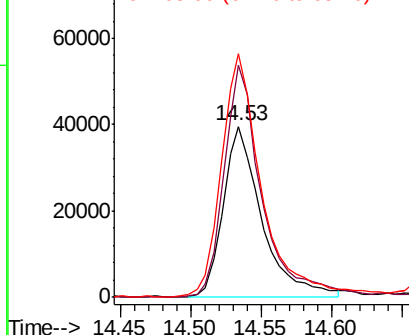


Abundance

Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC



#53

Dibenzofuran

Concen: 1.410 ng/ul

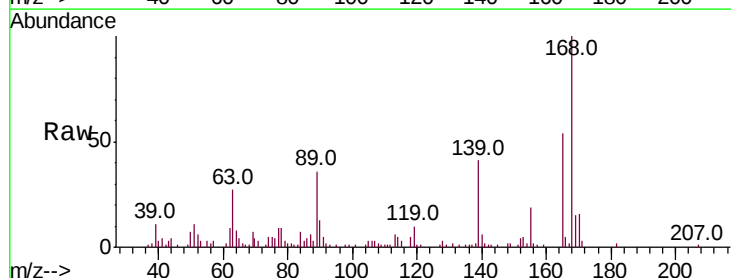
RT: 14.69 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

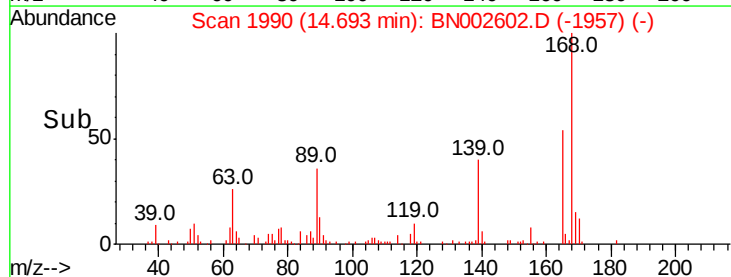
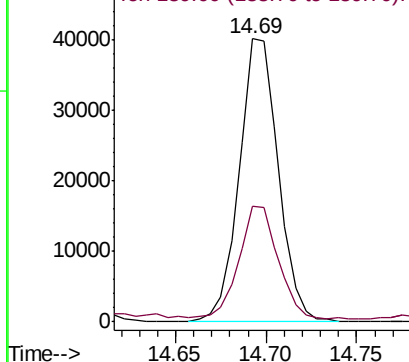
Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.2	48.2

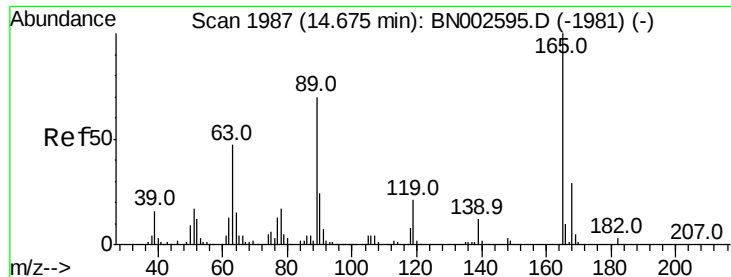


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





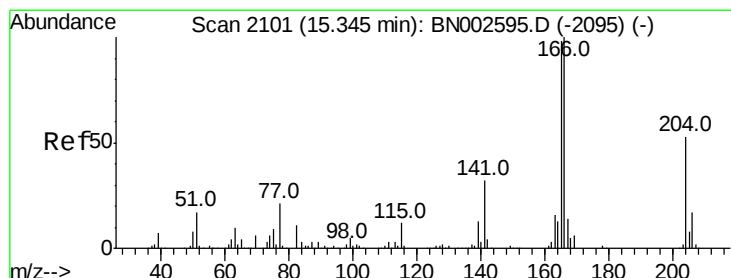
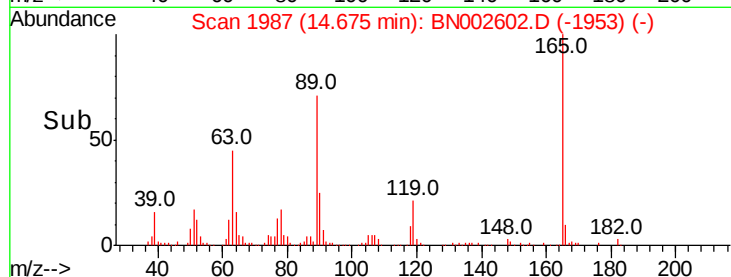
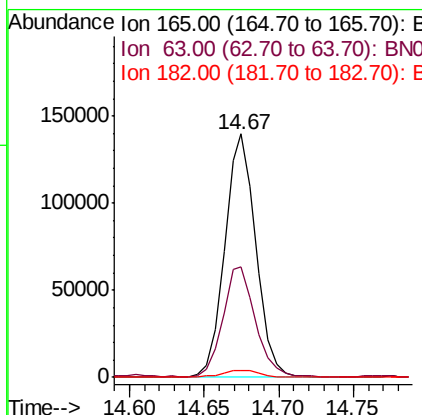
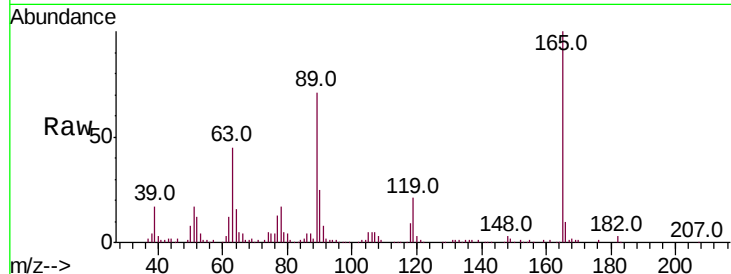
#54
 2,4-Dinitrotoluene
 Concen: 18.548 ng/ul
 RT: 14.67 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

Instrument :
 BNA_N
 ClientSampleId :
 A3Z22MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.1	29.8	44.6#	
182	3.0	2.2	3.4	

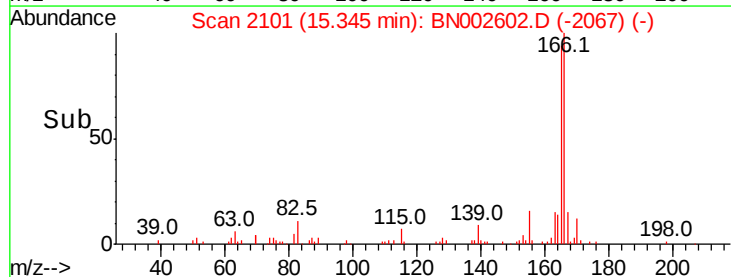
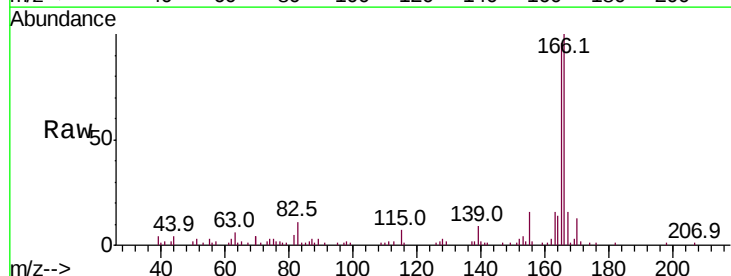
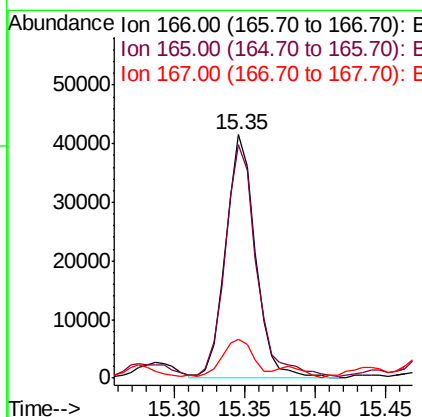
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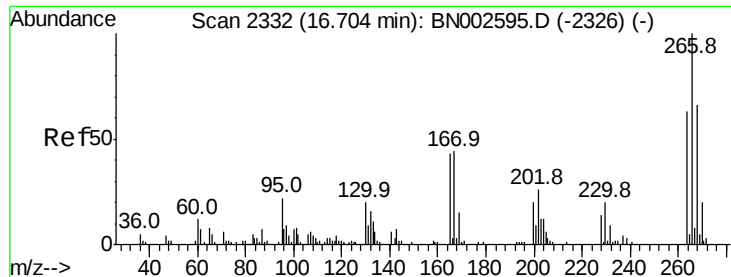
Sohil
 9/6/2018 4:29:59 PM



#58
 Fluorene
 Concen: 1.748 ng/ul
 RT: 15.35 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.7	78.5	117.7	
167	16.2	10.7	16.1#	





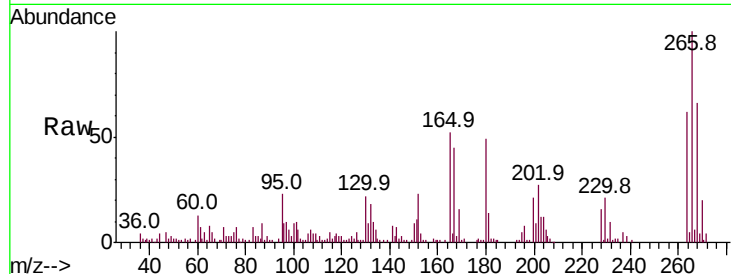
#68
 Pentachlorophenol
 Concen: 16.795 ng/ul
 RT: 16.70 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

Instrument :
 BNA_N
 ClientSampleId :
 A3Z22MS

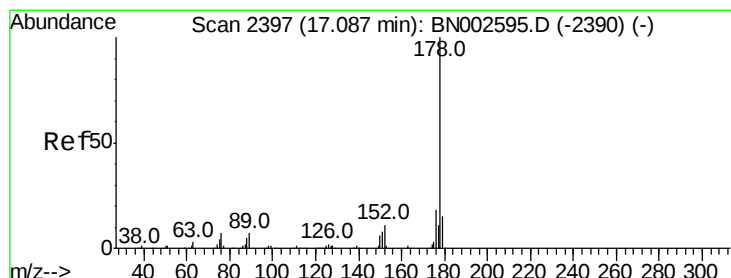
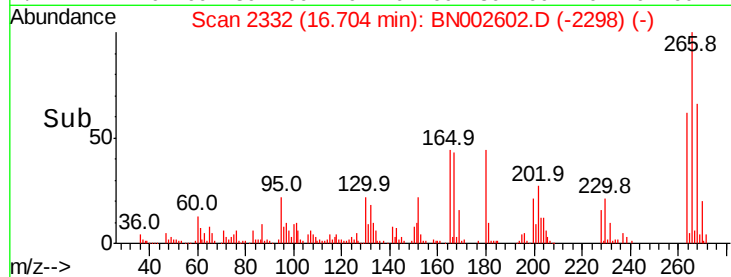
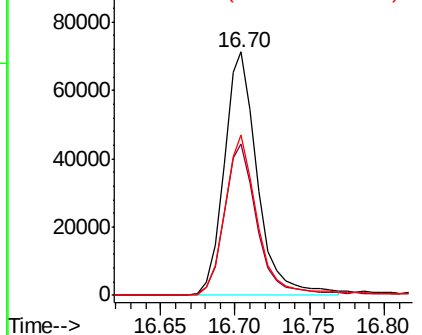
Tot Ion:	266	Resp:	111336
Ion Ratio		Lower	Upper
266	100		
264	62.2	50.5	75.7
268	66.1	50.9	76.3

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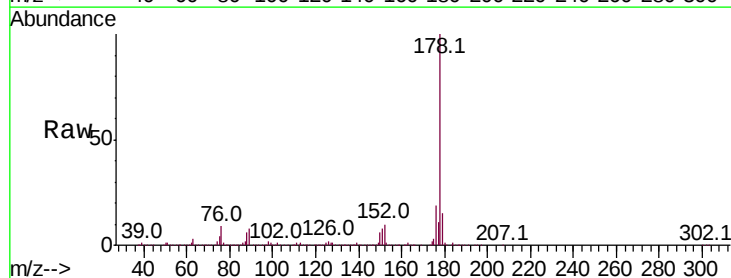


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

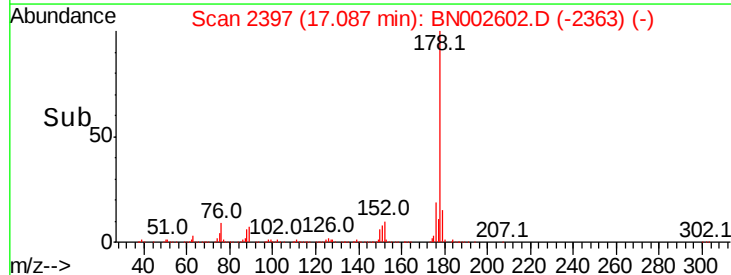
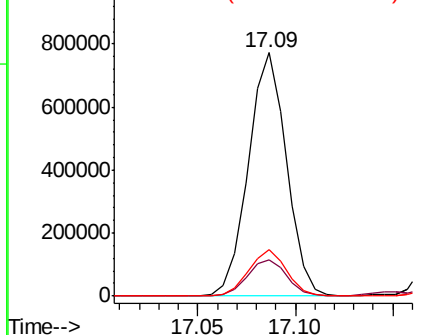


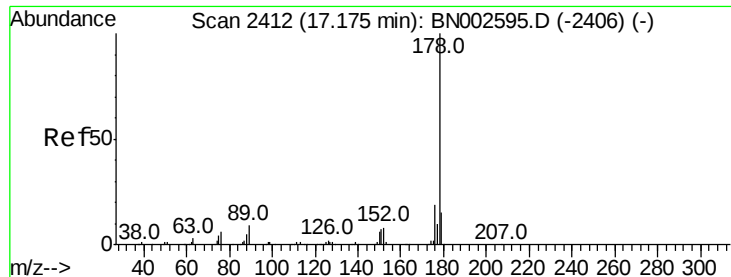
#69
 Phenanthrene
 Concen: 18.170 ng/ul
 RT: 17.09 min Scan# 2397
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

Tgt Ion:	178	Resp:	1041946
Ion Ratio		Lower	Upper
178	100		
179	15.0	12.2	18.4
176	18.9	15.6	23.4



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





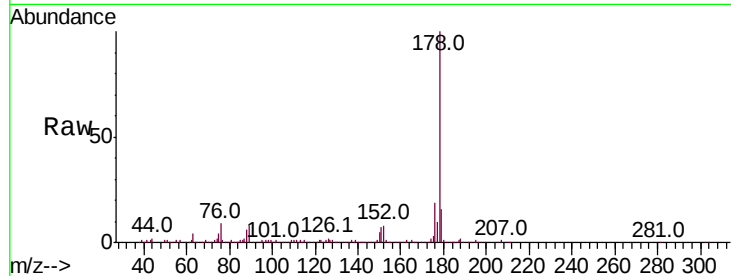
#71
 Anthracene
 Concen: 4.274 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

Instrument :
 BNA_N
 ClientSampled :
 A3Z22MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.7	14.8	22.2

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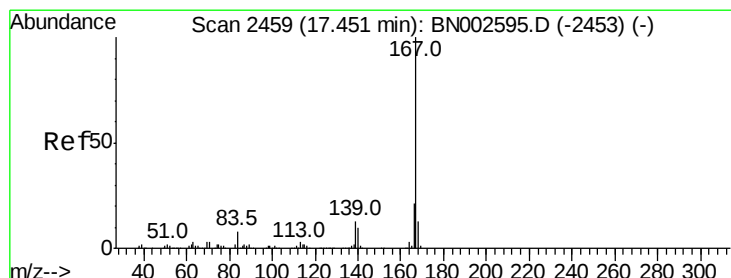
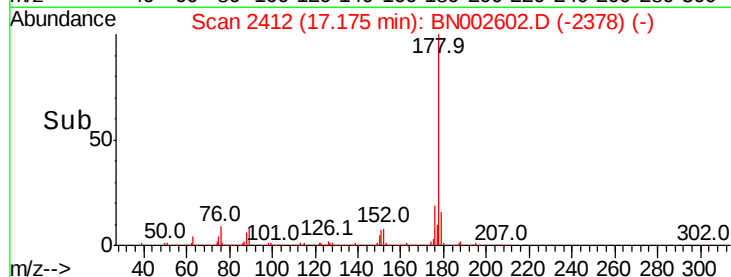
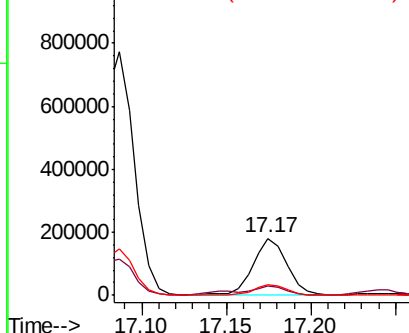


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Carbazole
 Concen: 2.597 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: BN002602.D
 Acq: 06 Sep 2018 04:13

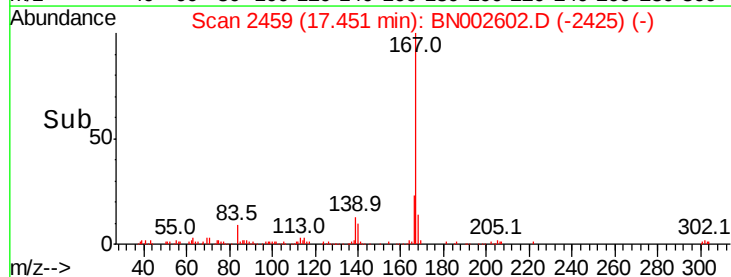
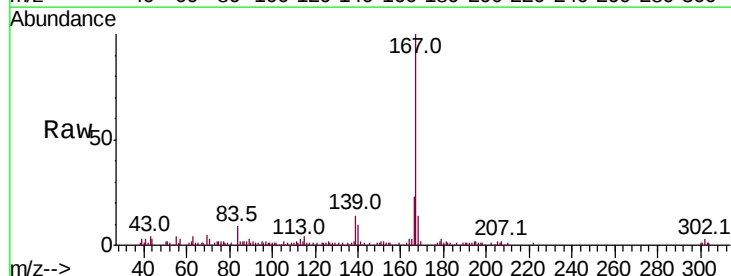
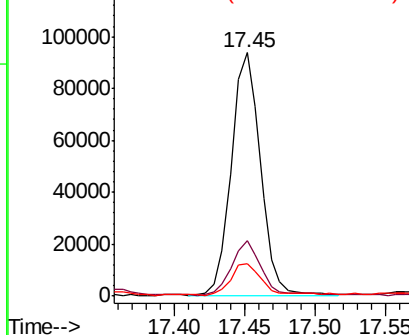
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	13.6	11.0	16.4

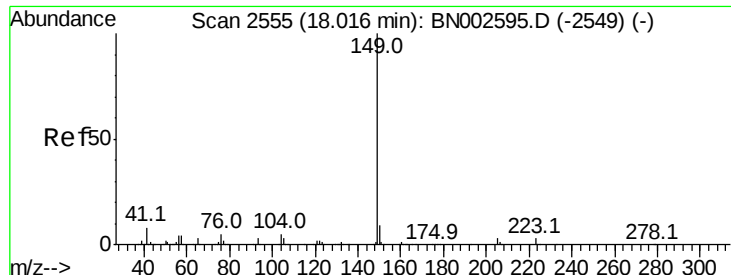
Abundance

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: 6.056 ng/ul

RT: 18.02 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

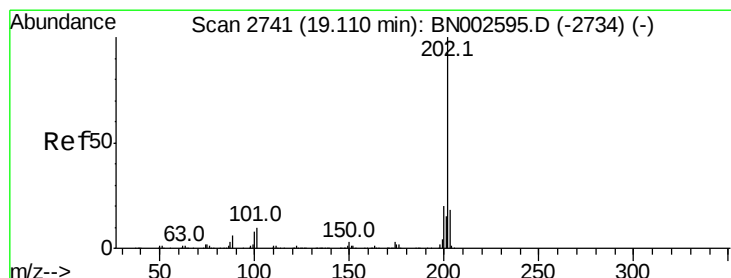
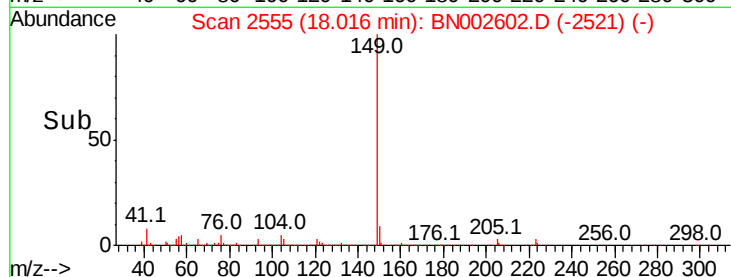
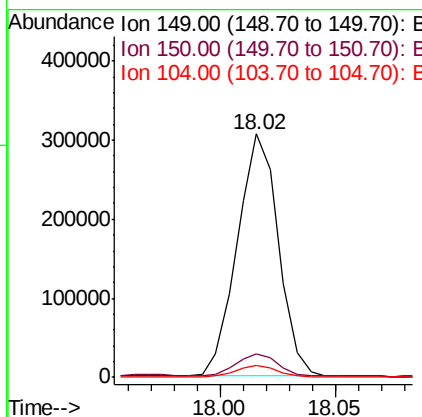
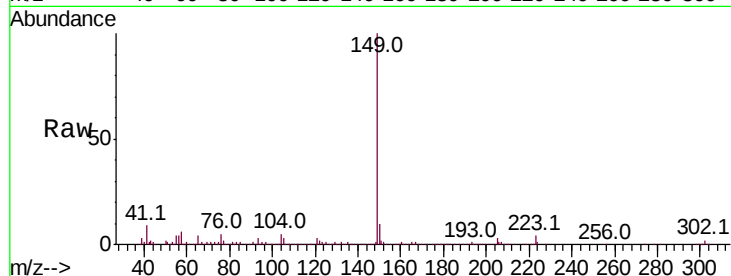
ClientSampleId :

A3Z22MS

Tot Ion:	149	Resp:	379703
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.4	11.0
104	5.1	4.0	6.0

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#76

Fluoranthene

Concen: 29.811 ng/ul

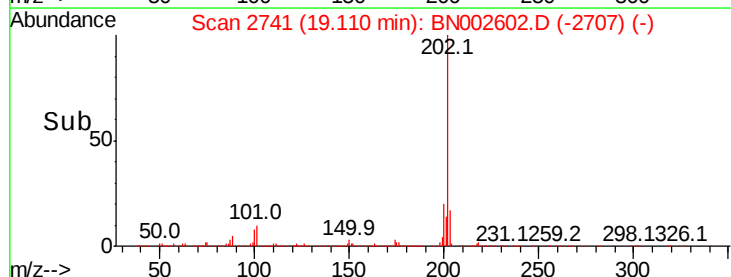
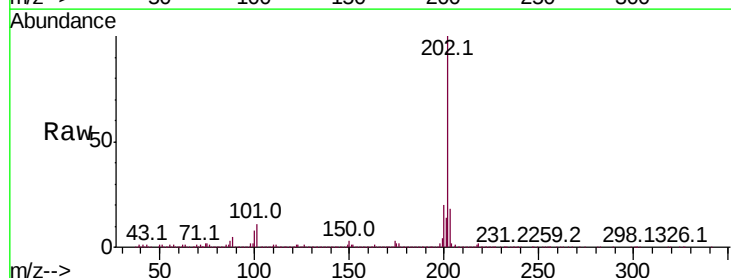
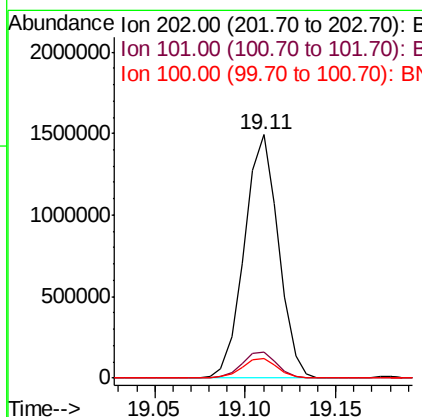
RT: 19.11 min Scan# 2741

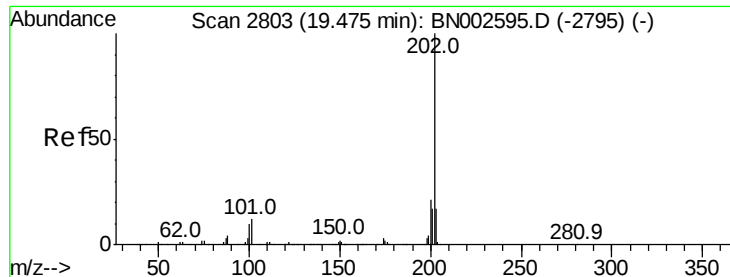
Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Tgt Ion:	202	Resp:	1945593
Ion Ratio	Lower	Upper	
202	100		
101	10.7	8.8	13.2
100	8.3	6.6	9.8





#79

Pvrene

Concen: 46.007 ng/ul

RT: 19.47 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

ClientSampled :

A3Z22MS

Tot Ion:202 Resp: 2972633

Ion Ratio Lower Upper

202 100

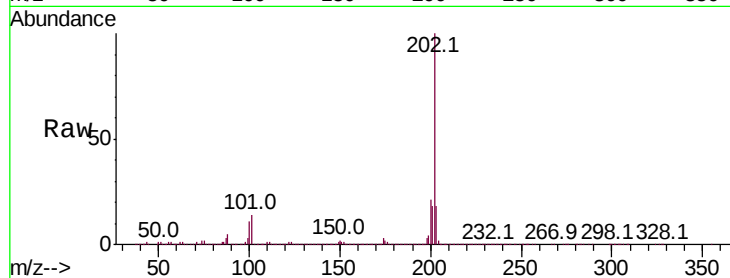
101 13.5 10.2 15.2

100 11.1 8.5 12.7

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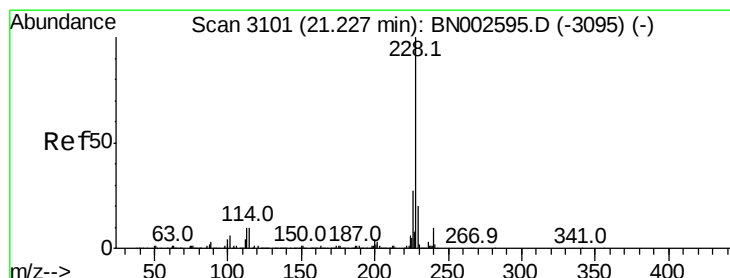
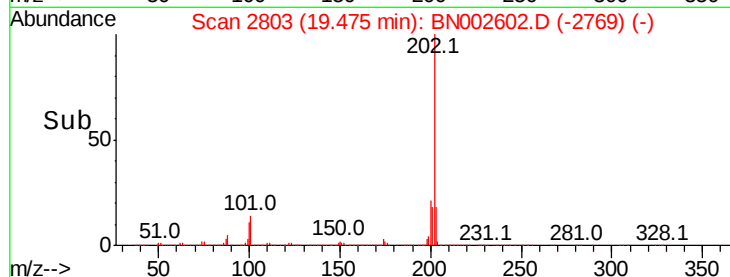
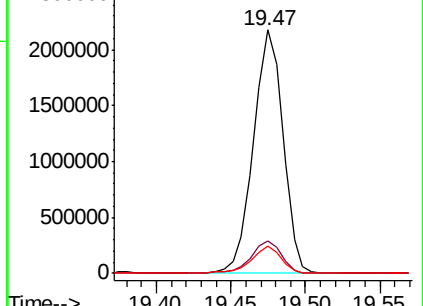
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 14.066 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

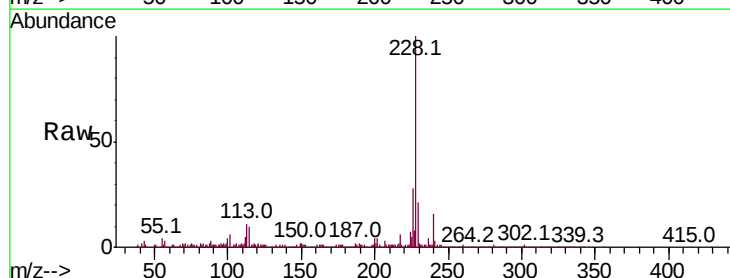
Tgt Ion:228 Resp: 923426

Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

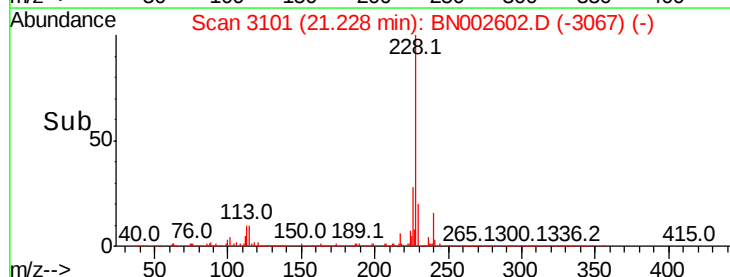
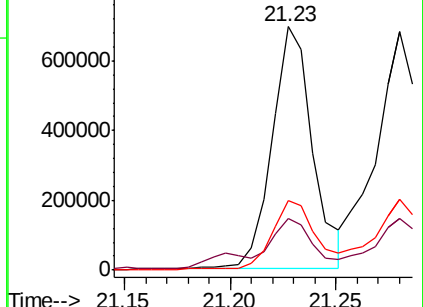
226 28.4 21.8 32.6

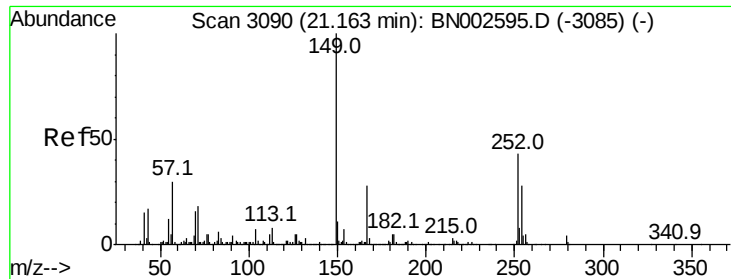


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





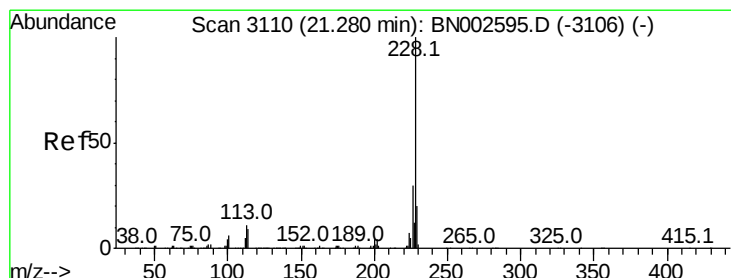
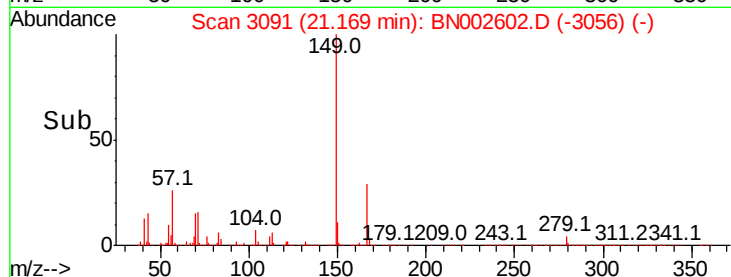
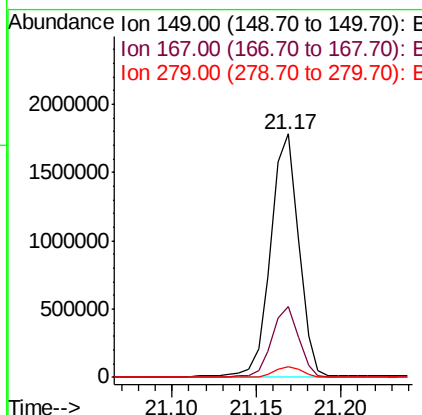
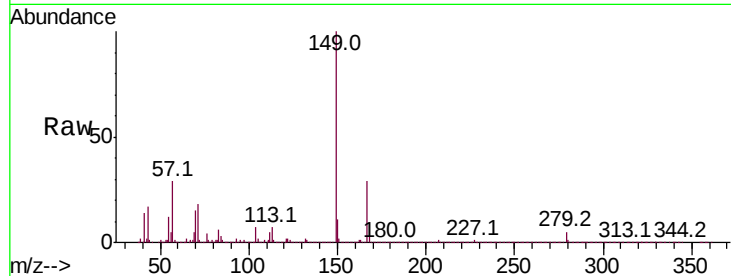
#83
Bis(2-ethylhexyl)phthalate
Concen: 49.327 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Instrument :
BNA_N
ClientSampleId :
A3Z22MS

Tot Ion:149 Resp: 2025566
Ion Ratio Lower Upper
149 100
167 28.9 21.6 32.4
279 4.5 3.0 4.4#

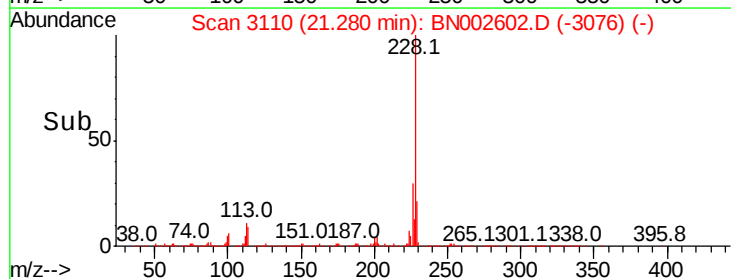
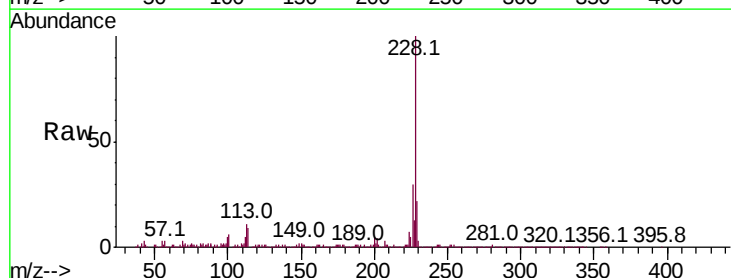
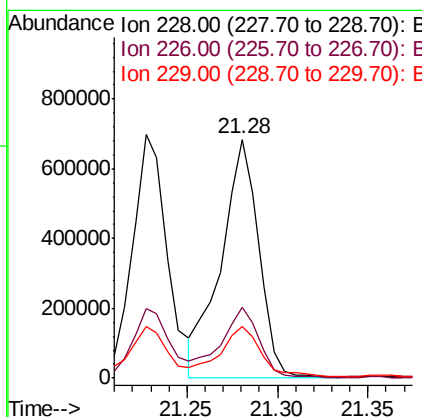
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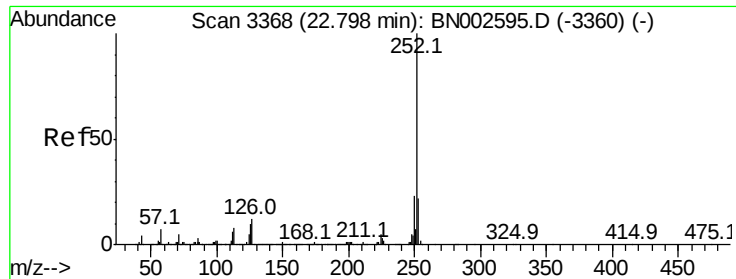
Sohil
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#84
Chrysene
Concen: 15.803 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion:228 Resp: 981916
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.6 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 22.842 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

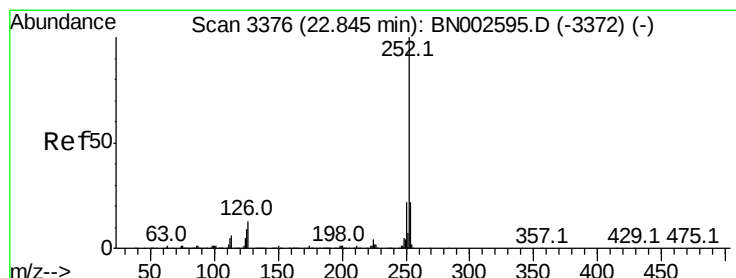
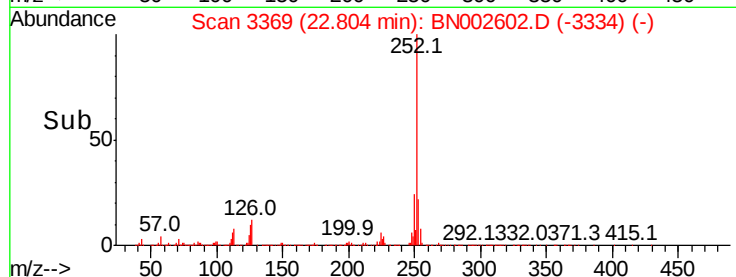
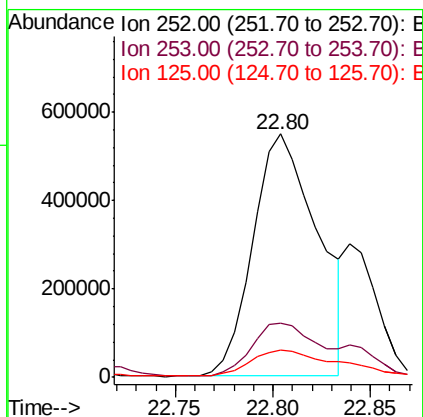
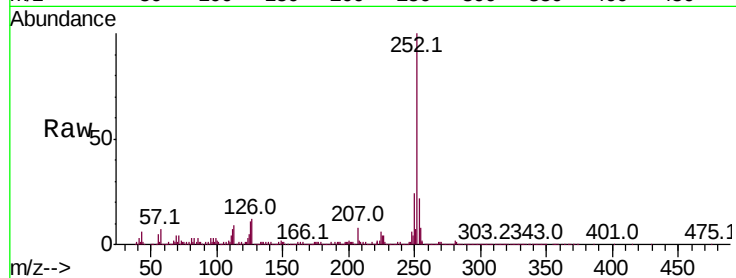
ClientSampleId :

A3Z22MS

Tot Ion:	252	Resp:	1262103
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	11.3	8.5	12.7

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#88

Benzo(k)fluoranthene

Concen: 6.617 ng/ul m

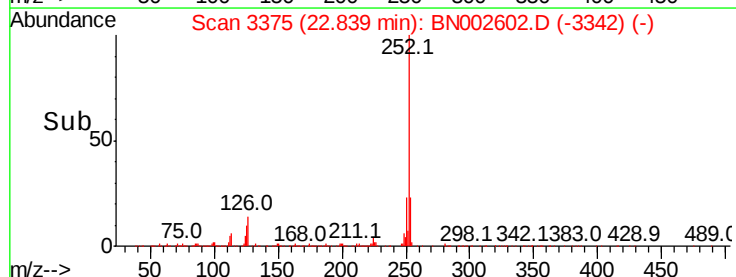
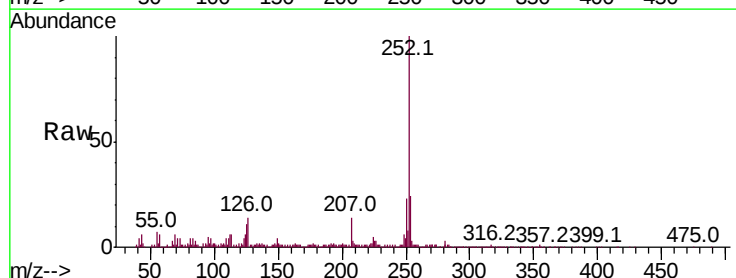
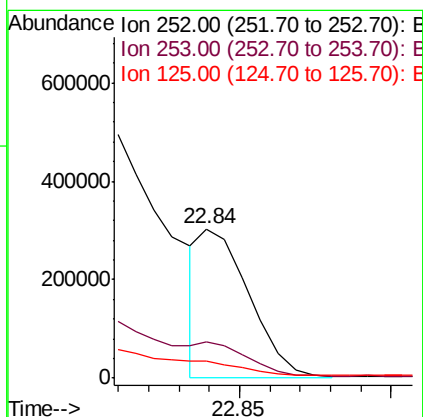
RT: 22.84 min Scan# 3375

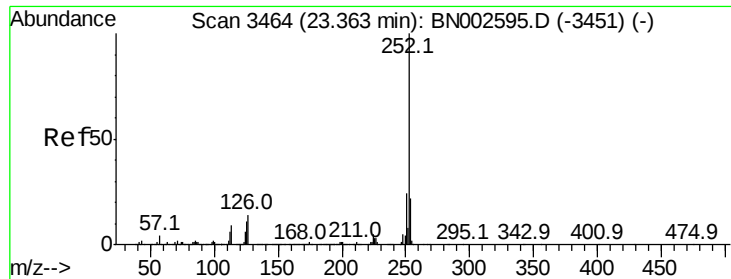
Delta R.T. -0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Tgt Ion:	252	Resp:	344453
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.3	25.9
125	11.1	8.2	12.2





#90

Benzo(a)pyrene

Concen: 13.067 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Instrument :

BNA_N

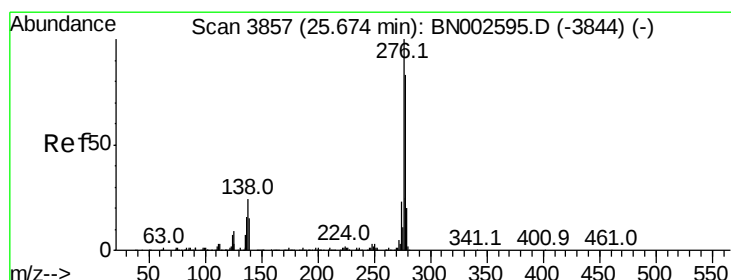
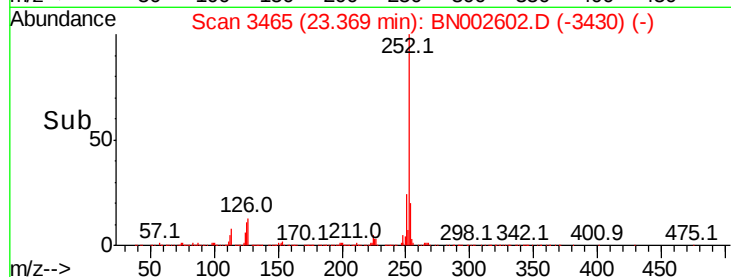
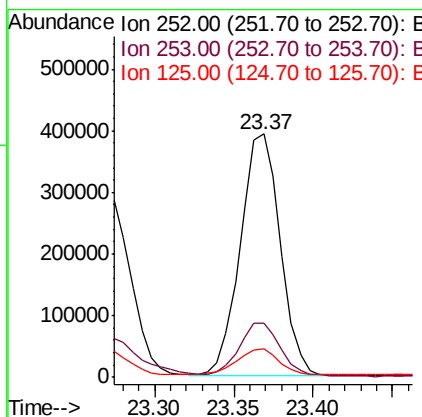
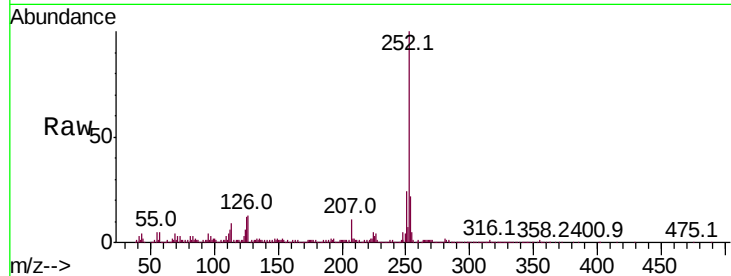
ClientSampleId :

A3Z22MS

Tot Ion:	252	Resp:	687774
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	11.6	9.0	13.6

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#91

Indeno(1,2,3-cd)pyrene

Concen: 6.747 ng/ul

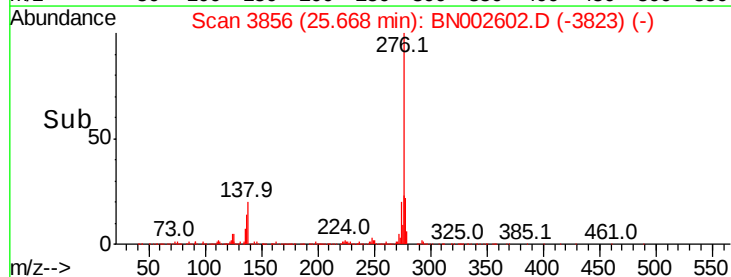
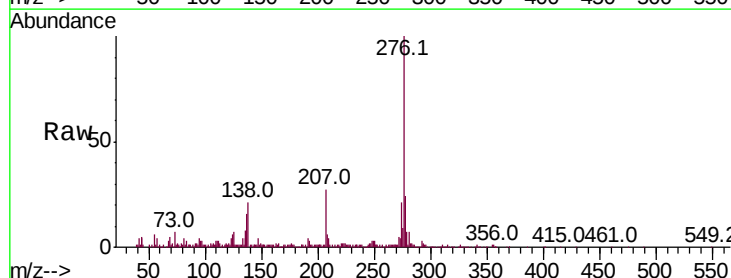
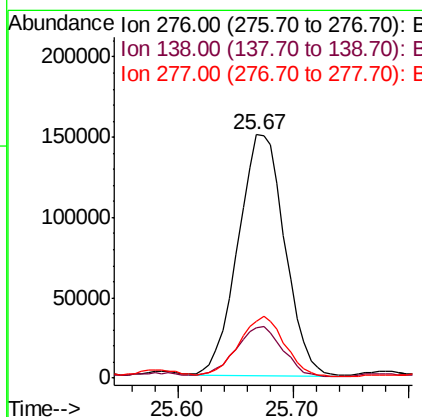
RT: 25.67 min Scan# 3856

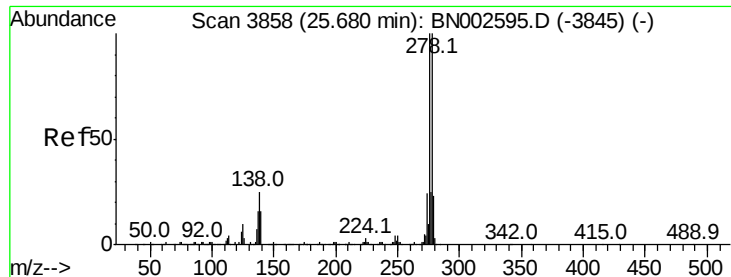
Delta R.T. -0.01 min

Lab File: BN002602.D

Acq: 06 Sep 2018 04:13

Tgt Ion:	276	Resp:	422493
Ion Ratio	Lower	Upper	
276	100		
138	20.9	22.3	33.5#
277	23.3	20.2	30.2





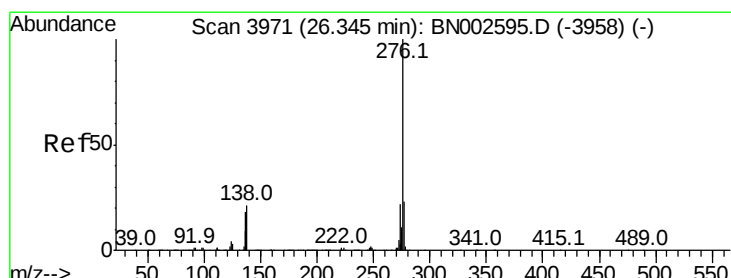
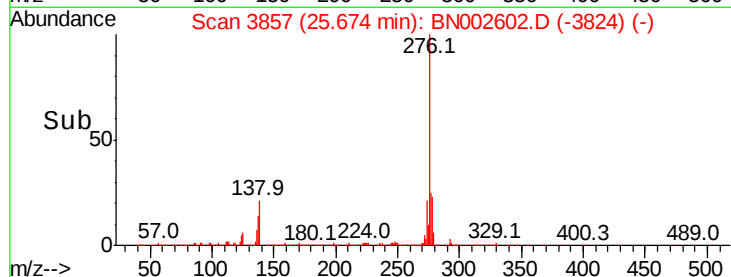
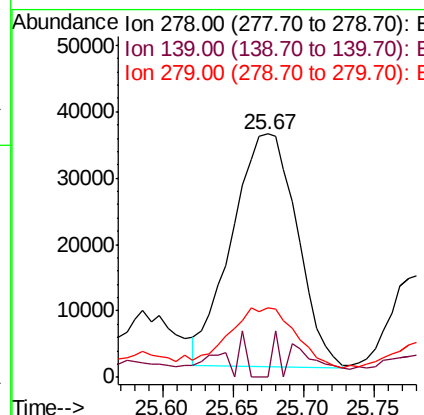
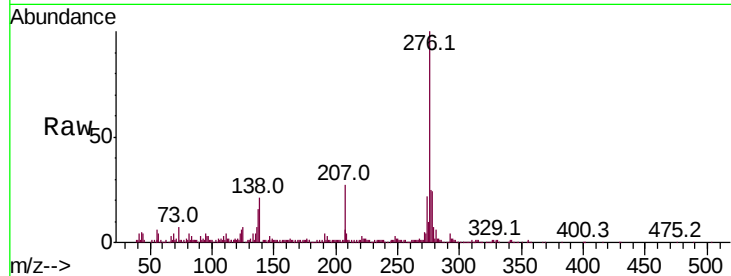
#92
Dibenzo(a,h)anthracene
Concen: 2.161 ng/uL
RT: 25.67 min Scan# 3857
Delta R.T. -0.01 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Instrument :
BNA_N
ClientSampleID :
A3Z22MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	28.4	19.0	28.4#

Manual Integrations
APPROVED

Sohil
9/6/2018 4:29:59 PM



#93
Benzo(g,h,i)perylene
Concen: 7.157 ng/uL
RT: 26.35 min Scan# 3972
Delta R.T. 0.01 min
Lab File: BN002602.D
Acq: 06 Sep 2018 04:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.9	28.3
277	23.9	19.2	28.8

