

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005240.D
 Acq On : 24 Apr 2019 06:34
 Operator : JU/SJ
 Sample : K2455-08MSD 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8MSD

Manual Integrations
 APPROVED

Sohil
 4/27/2019 12:54:41 AM

Quant Time: Apr 25 07:37:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	541027	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2200841	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1204527	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2358717	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1929025	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2095992	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	12820	1.14	ng/uL	0.00
5) Phenol-d5	6.78	99	119031	2.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	76991	2.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	95796	2.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	95455	2.87	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	44563	3.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	42739	3.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	94332	3.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	126450	3.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	294297	3.37	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	354268	3.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	33354	2.42	ng/ul	0.00
57) Fluorene-d10	15.23	176	244231	3.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	6140	0.58	ng/ul	0.00
70) Anthracene-d10	17.09	188	347699	3.52	ng/ul	0.00
78) Pyrene-d10	19.40	212	338244	3.43	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	302594	3.30	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	122134	2.794	ng/ul	99
10) 2-Chlorophenol	7.16	128	97001	2.885	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.39	70	79036	2.779	ng/ul#	95
28) Naphthalene	10.42	128	12728642	124.408	ng/ul	98
33) 4-Chloro-3-methylphenol	11.65	107	100955	2.886	ng/ul#	79
34) 2-Methylnaphthalene	12.05	142	17306955	231.021	ng/ul	93
40) 1,1'-Biphenyl	13.06	154	1525478	16.997	ng/ul	98
47) Acenaphthylene	13.95	152	4193767	39.736	ng/ul#	96
49) Acenaphthene	14.29	153	697333	9.678	ng/ul	98
52) 4-Nitrophenol	14.45	109	22937m	1.830	ng/ul	
53) Dibenzofuran	14.63	168	638639	6.156	ng/ul	94
54) 2,4-Dinitrotoluene	14.60	165	93070	4.291	ng/ul#	78
58) Fluorene	15.29	166	2533341	31.296	ng/ul	98
68) Pentachlorophenol	16.64	266	28564	1.928	ng/ul	94
69) Phenanthrene	17.03	178	9539546	83.044	ng/ul	98
71) Anthracene	17.12	178	2057214	17.580	ng/ul	99
76) Fluoranthene	19.06	202	2330111	18.287	ng/ul	99
79) Pyrene	19.43	202	3913858	31.512	ng/ul	98
82) Benzo(a)anthracene	21.20	228	1434606m	11.955	ng/ul	
84) Chrysene	21.25	228	1228027	11.026	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	1076422	9.136	ng/ul	98
90) Benzo(a)pyrene	23.33	252	868060	7.838	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	430864	3.519	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.61	278	148877	1.433	ng/ul#	80
93) Benzo(g,h,i)perylene	26.26	276	282132	2.787	ng/ul	97

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

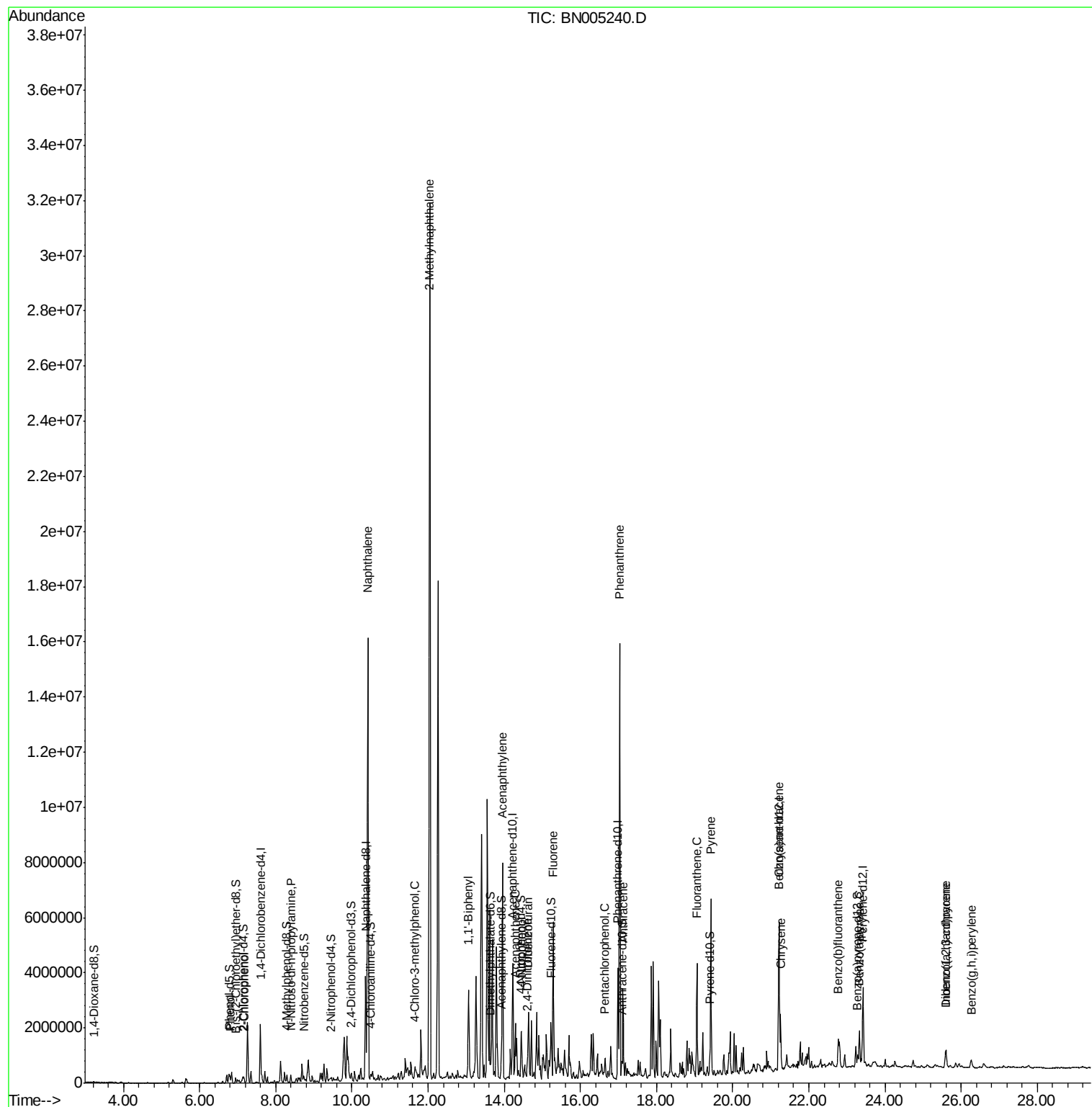
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
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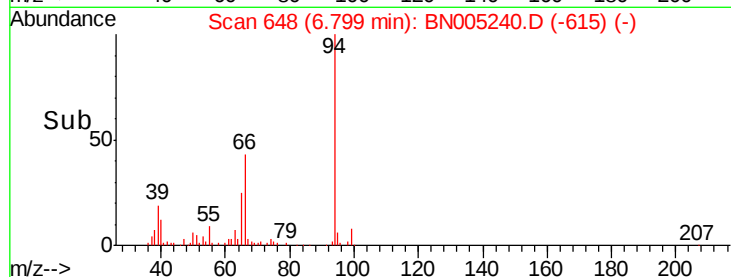
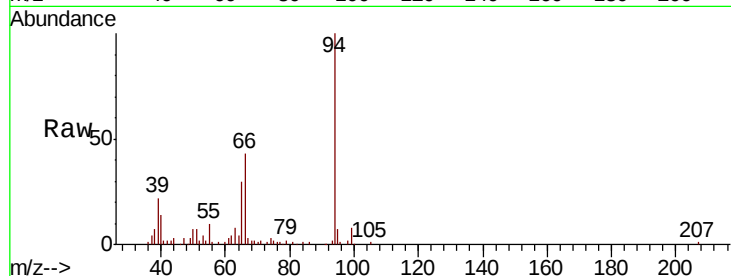
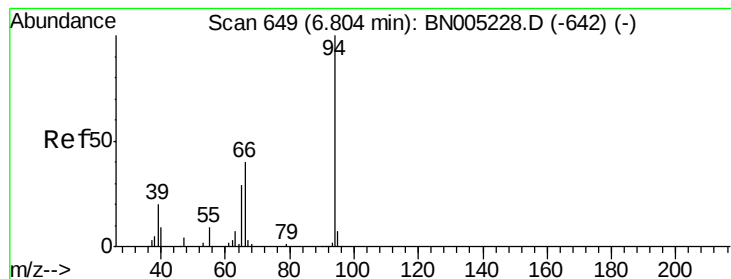
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





#6

Phenol

Concen: 2.794 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Tot Ion:	94	Resp:	122134
Ion Ratio	Lower	Upper	
94	100		
65	30.0	24.2	36.4
66	43.3	33.8	50.6

Instrument :

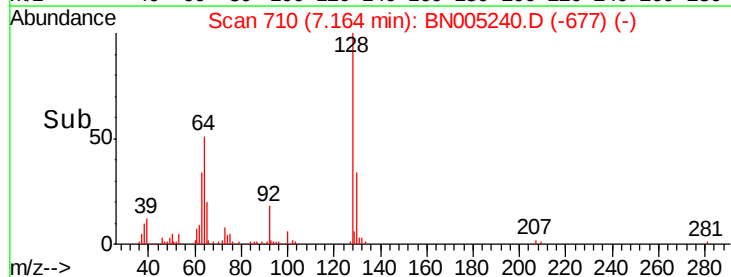
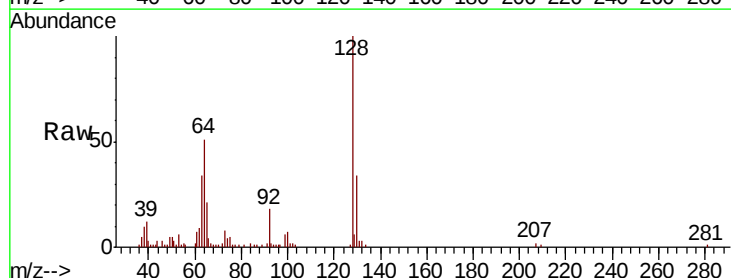
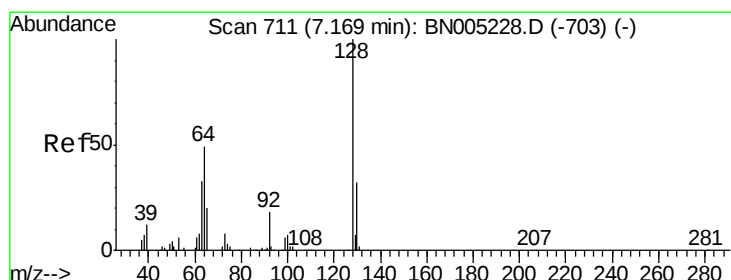
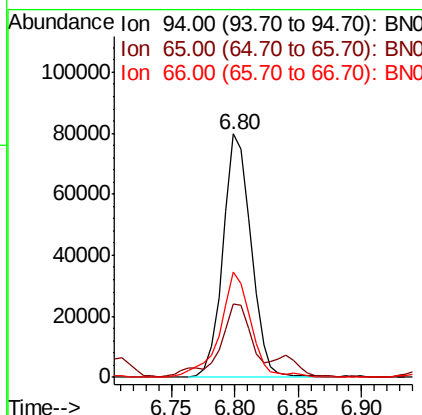
BNA_N

ClientSampled :

GAHQ8MSD

Manual Integrations
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#10

2-Chlorophenol

Concen: 2.885 ng/ul

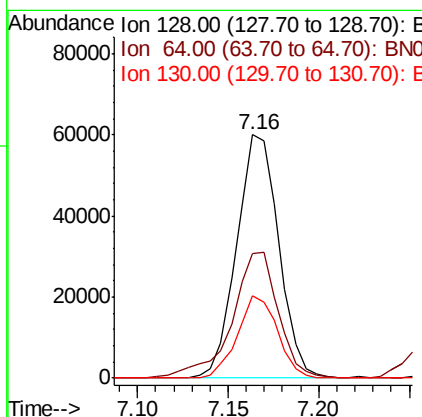
RT: 7.16 min Scan# 710

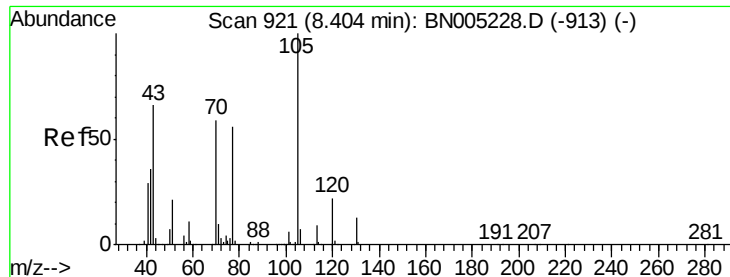
Delta R.T. -0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Tgt Ion:	128	Resp:	97001
Ion Ratio	Lower	Upper	
128	100		
64	51.0	42.3	63.5
130	33.6	26.5	39.7





#15

N-Nitroso-di-n-propylamine

Concen: 2.779 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Instrument :

BNA_N

ClientSampleId :

GAHQ8MSD

Tot Ion: 70 Resp: 79036

Ion Ratio Lower Upper

70 100

42 64.3 53.8 80.8

101 10.7 7.7 11.5

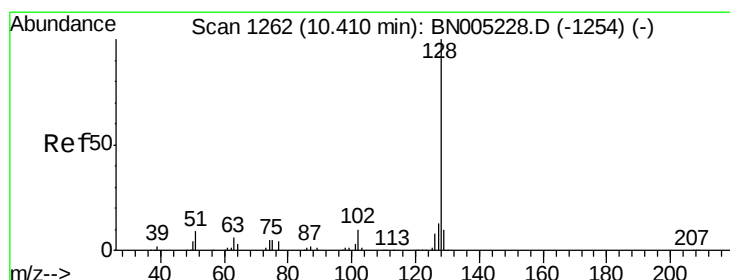
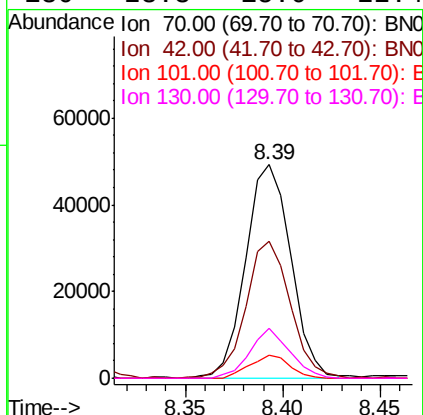
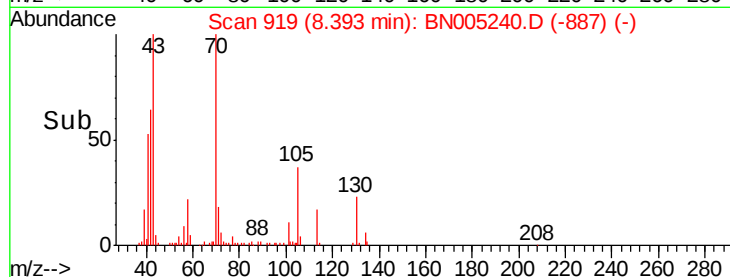
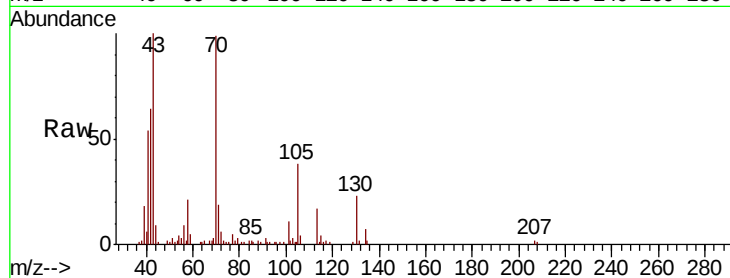
130 23.3 15.0 22.4#

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#28

Naphthalene

Concen: 124.408 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

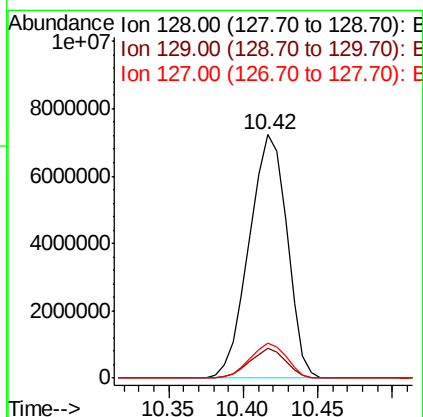
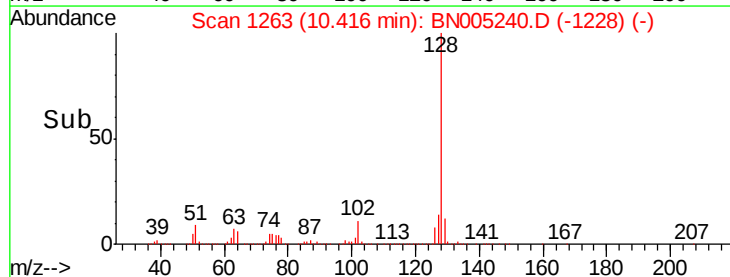
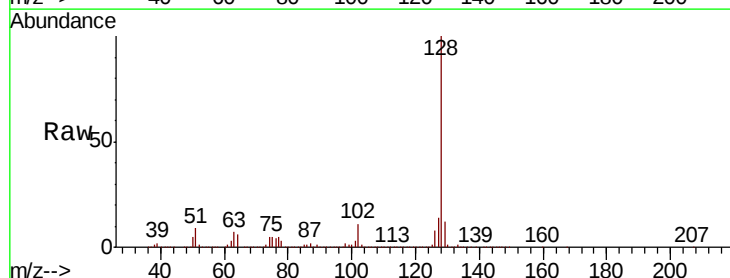
Tgt Ion:128 Resp:12728642

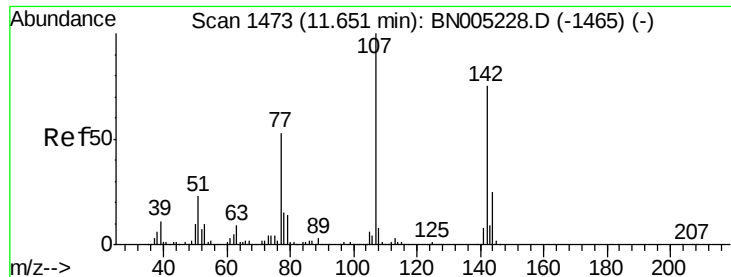
Ion Ratio Lower Upper

128 100

129 12.0 9.2 13.8

127 14.3 10.7 16.1





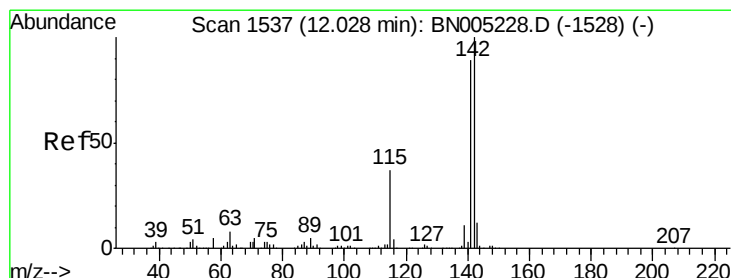
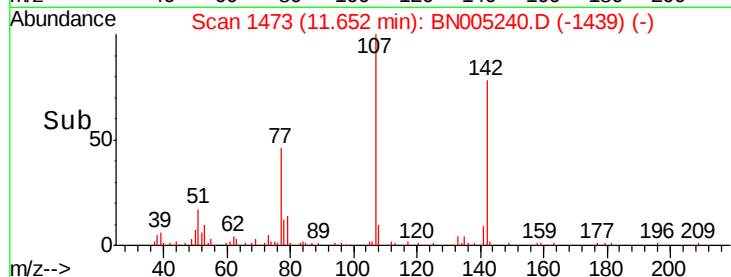
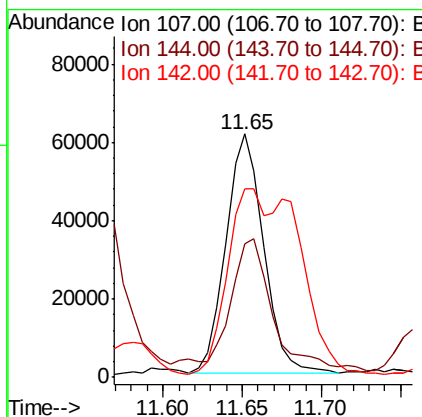
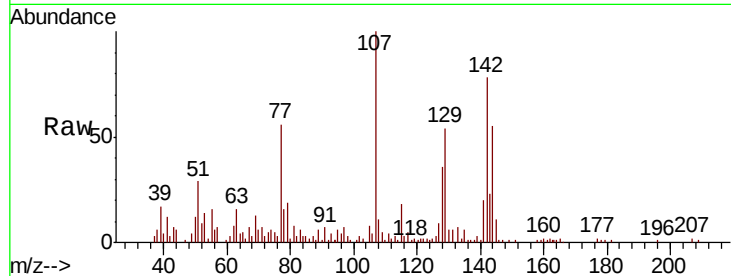
#33
 4-Chloro-3-methylphenol
 Concen: 2.886 ng/ul
 RT: 11.65 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Instrument :
 BNA_N
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 GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	55.1	19.4	29.0#
142	77.5	57.7	86.5

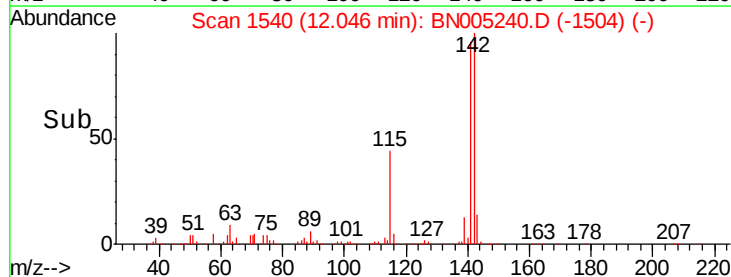
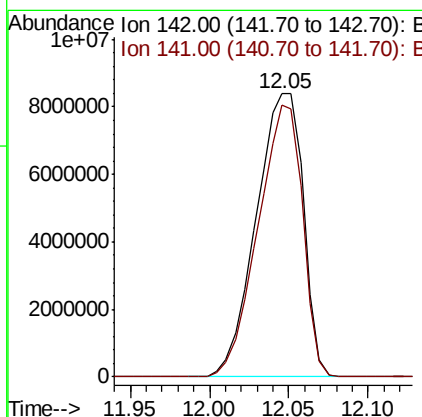
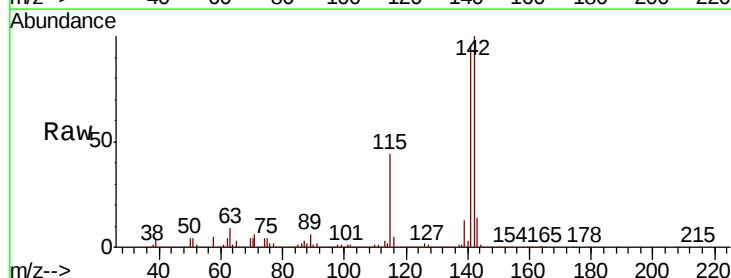
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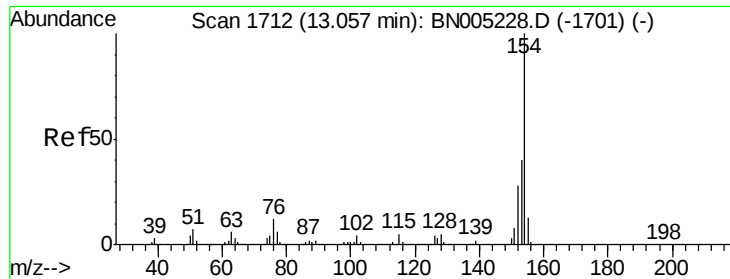
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 4/27/2019 12:54:41 AM



#34
 2-Methylnaphthalene
 Concen: 231.021 ng/ul
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.1	72.0	108.0





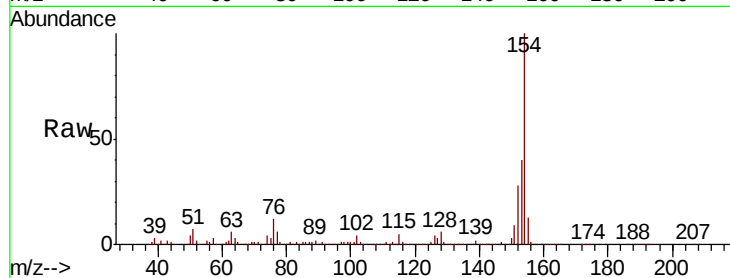
#40
 1,1'-Biphenyl
 Concen: 16.997 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Instrument :
 BNA_N
 ClientSampled :
 GAHQ8MSD

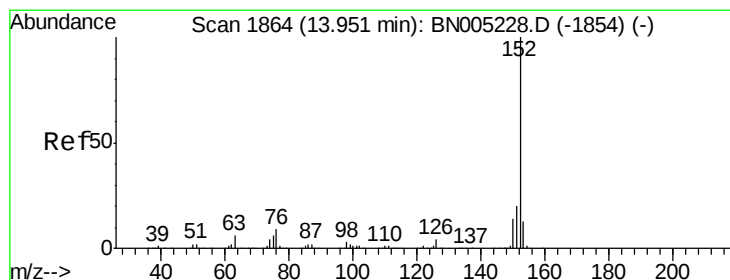
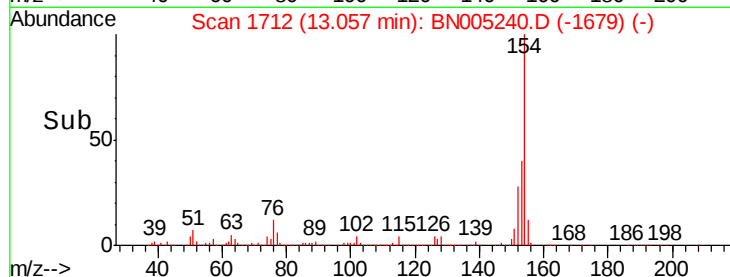
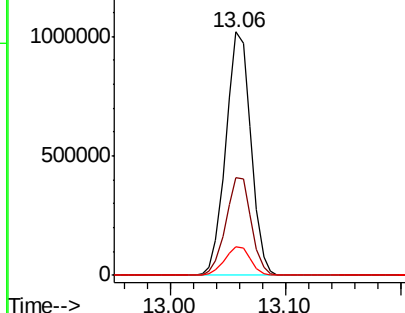
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.6	49.0
76	11.8	10.4	15.6

Manual Integrations
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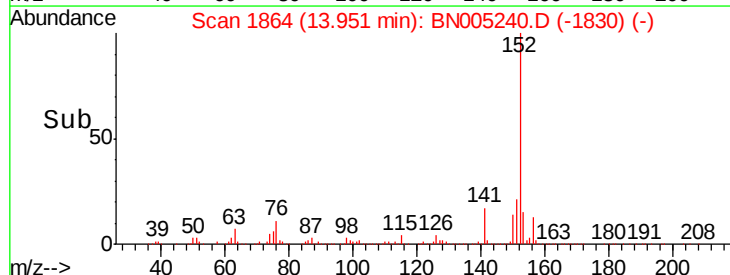
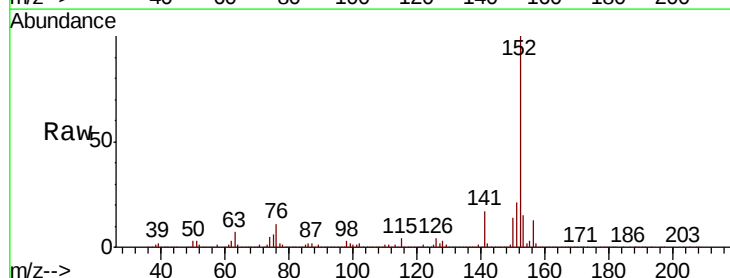
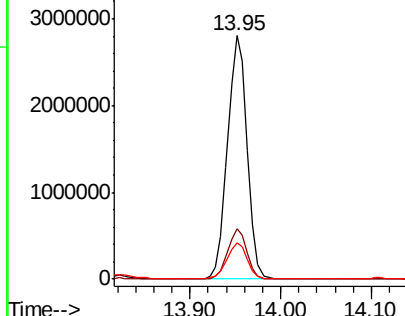
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNO

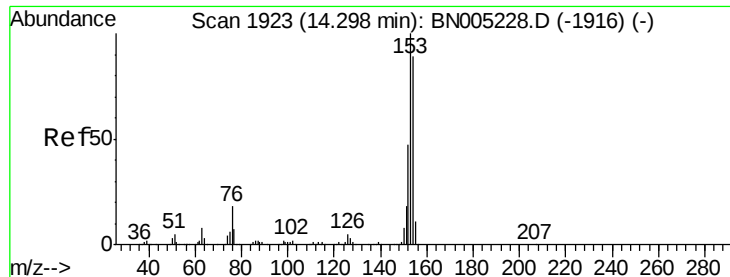


#47
 Acenaphthylene
 Concen: 39.736 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	14.9	9.8	14.8#

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





#49

Acenaphthene

Concen: 9.678 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Instrument :

BNA_N

ClientSampleId :

GAHQ8MSD

Tot Ion:153 Resp: 697333

Ion Ratio Lower Upper

153 100

152 47.7 37.4 56.0

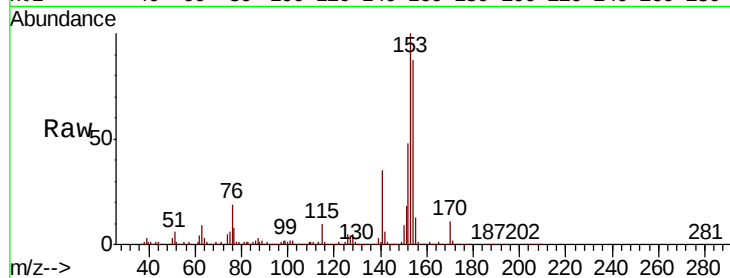
154 87.3 71.2 106.8

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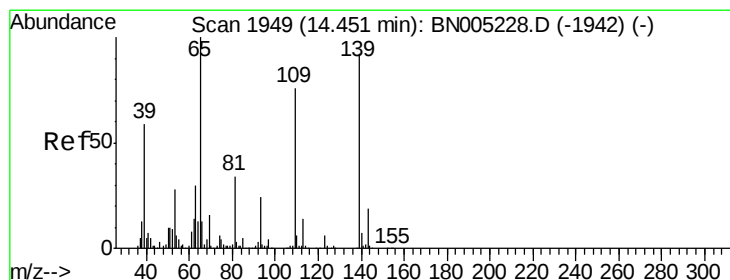
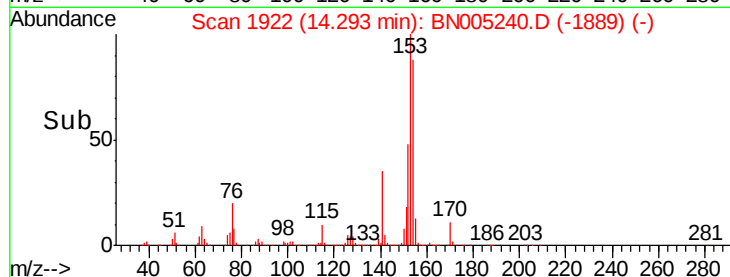
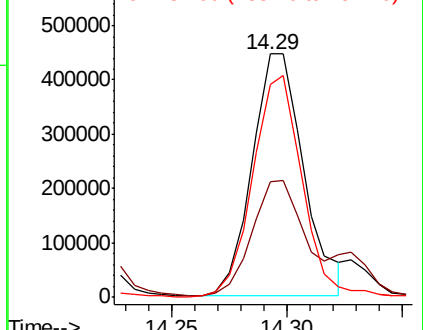


Abundance

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: 1.830 ng/ul m

RT: 14.45 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

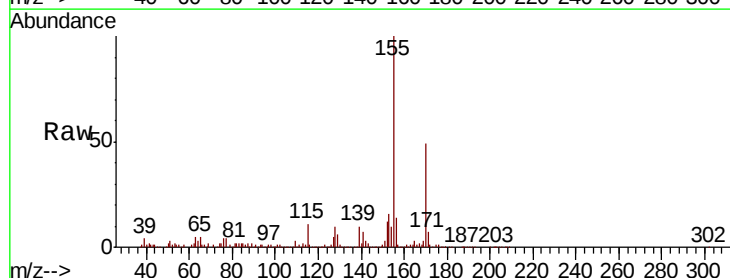
Tgt Ion:109 Resp: 22937

Ion Ratio Lower Upper

109 100

139 309.8 92.3 138.5#

65 160.2 97.5 146.3#

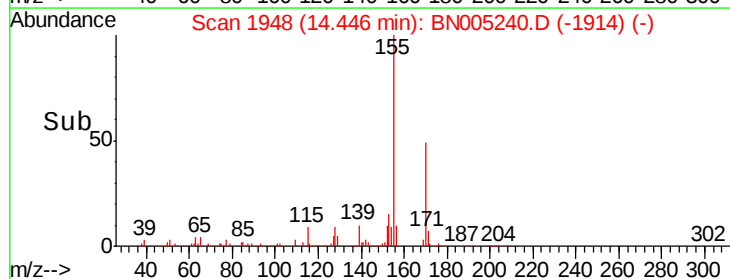
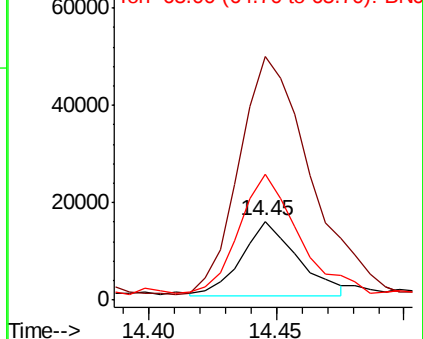


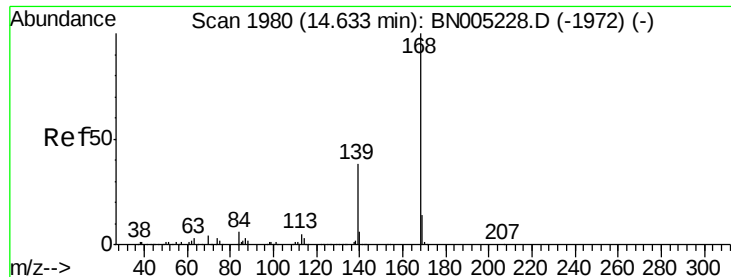
Abundance

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





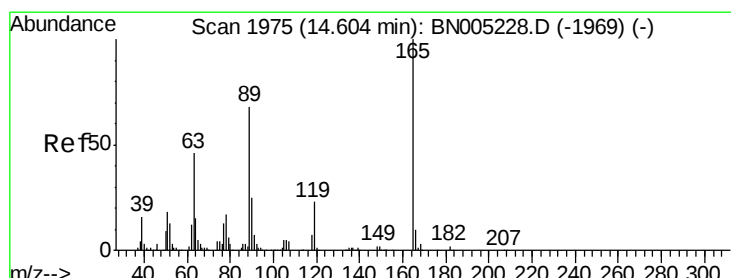
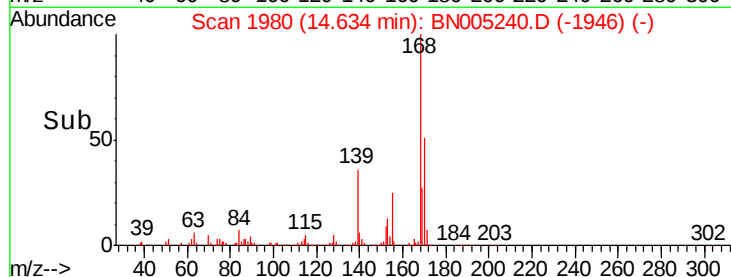
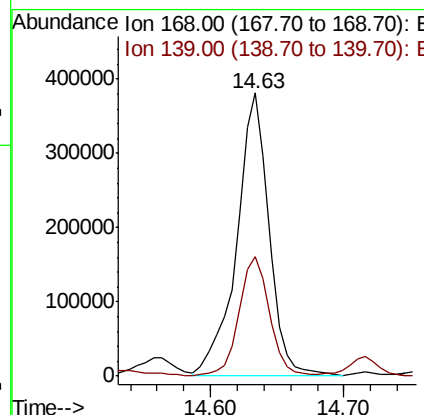
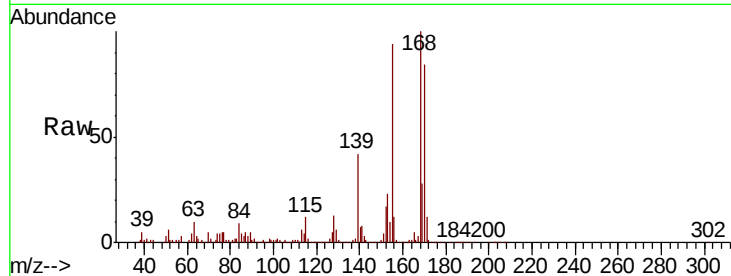
#53
Dibenzofuran
Concen: 6.156 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Instrument :
BNA_N
ClientSampleId :
GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.3	30.9	46.3

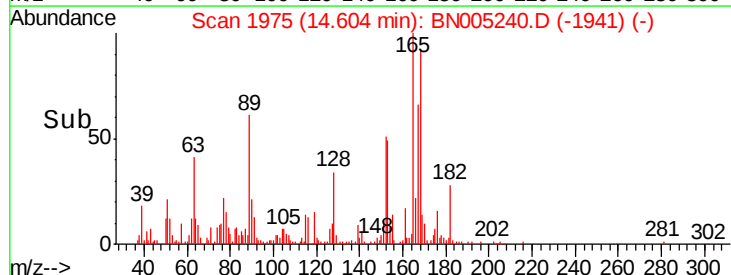
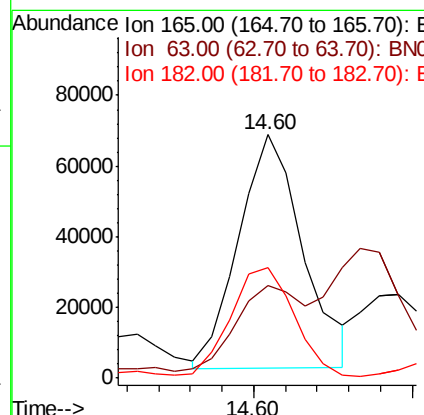
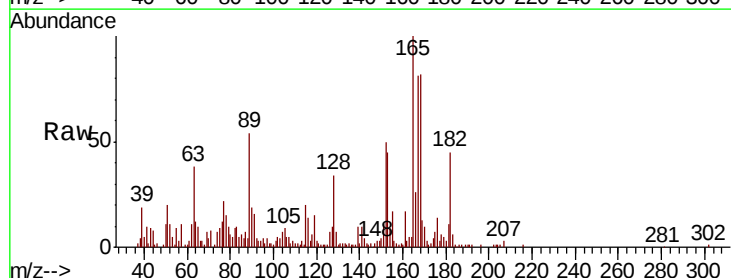
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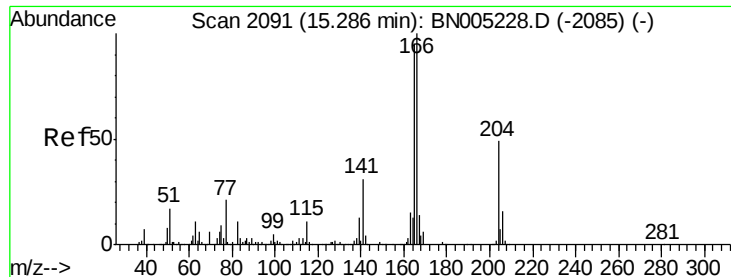
Sohil
4/27/2019 12:54:41 AM



#54
2,4-Dinitrotoluene
Concen: 4.291 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.0	38.9	58.3#
182	45.2	2.6	3.8#





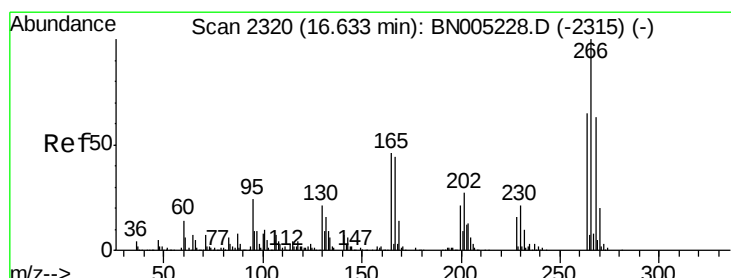
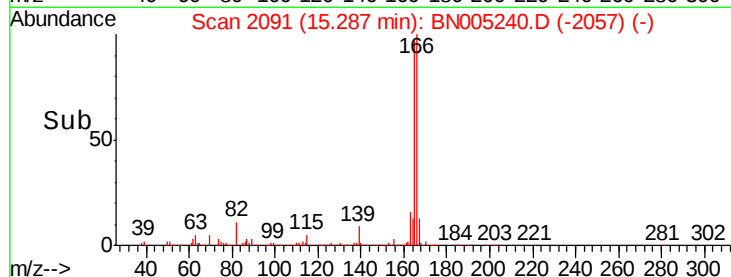
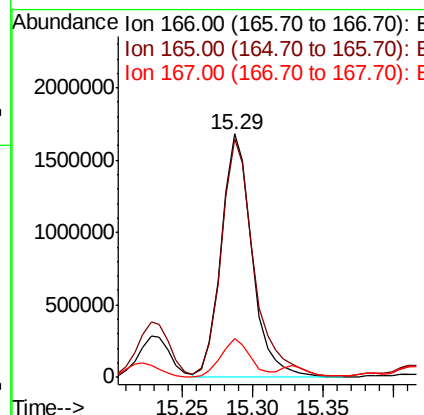
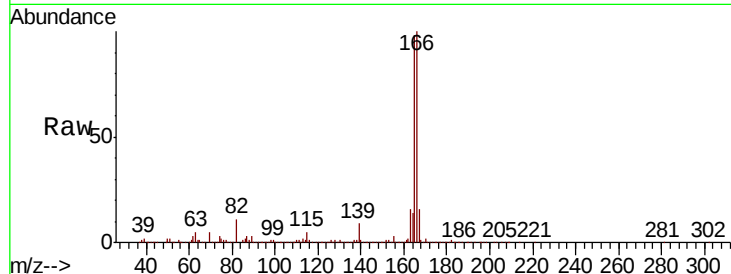
#58
 Fluorene
 Concen: 31.296 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.0	120.0
167	15.7	10.7	16.1

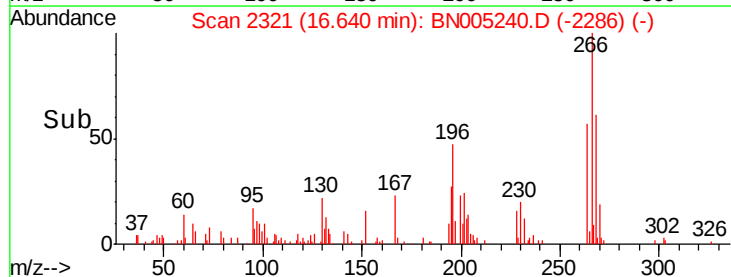
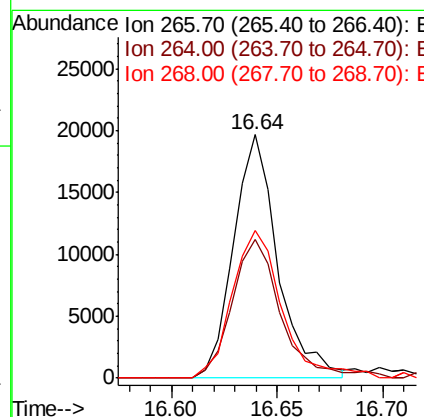
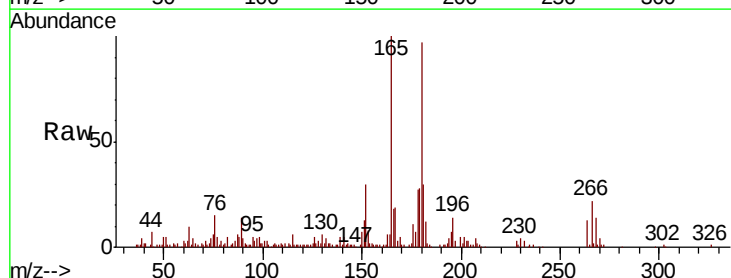
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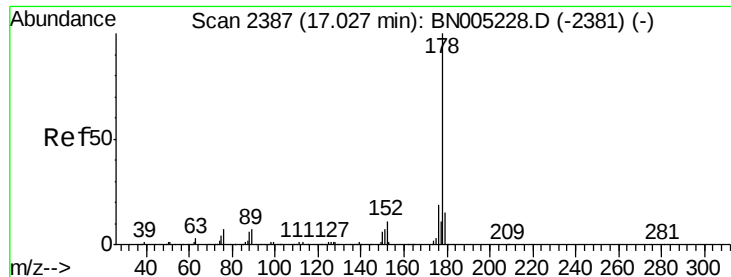
Sohil
 4/27/2019 12:54:41 AM



#68
 Pentachlorophenol
 Concen: 1.928 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
266	100		
264	57.1	49.7	74.5
268	60.8	52.4	78.6





#69

Phenanthrene

Concen: 83.044 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Instrument :

BNA_N

ClientSampleId :

GAHQ8MSD

Tot Ion:178 Resp: 9539546

Ion Ratio Lower Upper

178 100

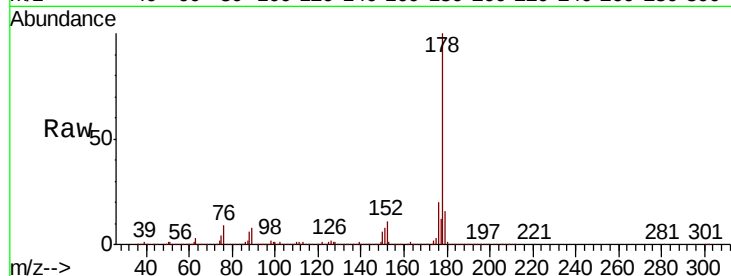
179 16.1 12.2 18.4

176 20.2 15.1 22.7

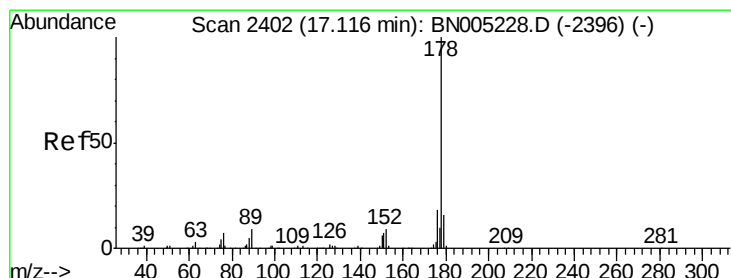
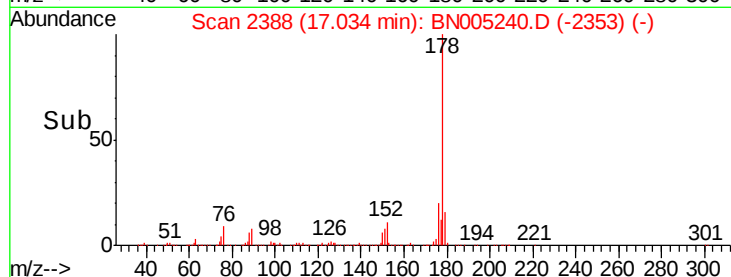
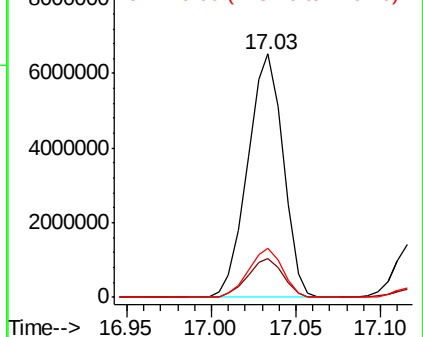
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 17.580 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

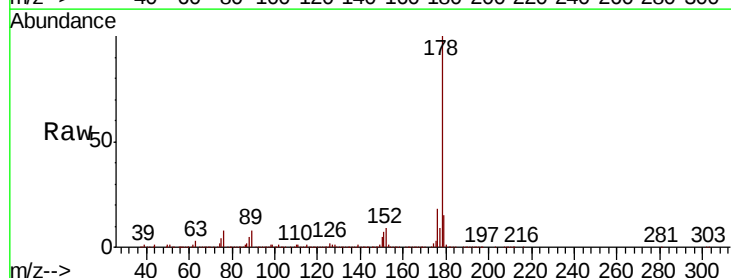
Tgt Ion:178 Resp: 2057214

Ion Ratio Lower Upper

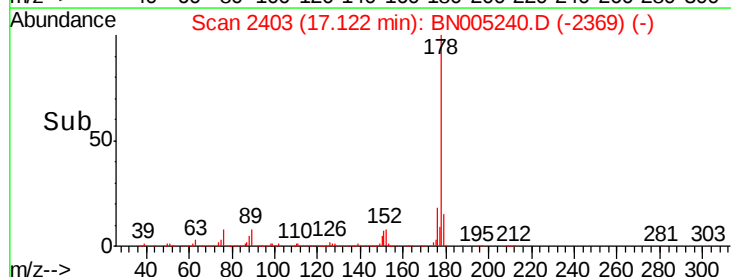
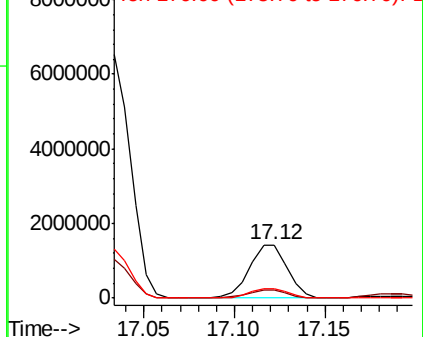
178 100

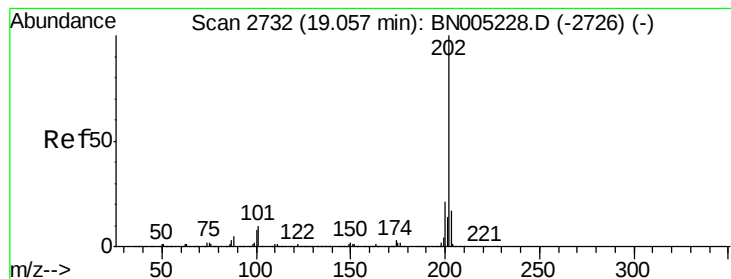
179 15.4 12.3 18.5

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





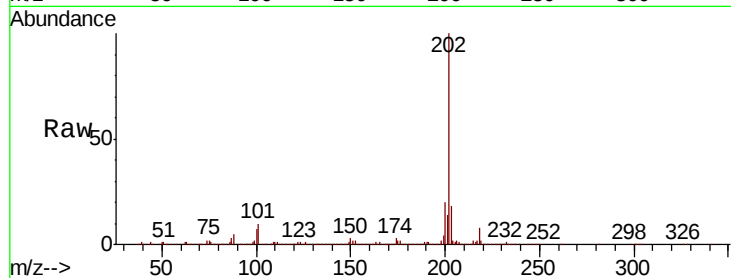
#76
 Fluoranthene
 Concen: 18.287 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.6	12.8
100	7.2	6.3	9.5

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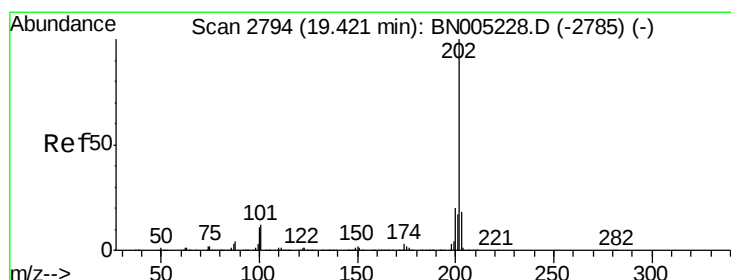
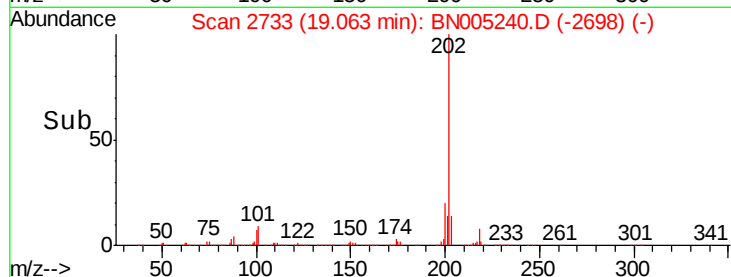
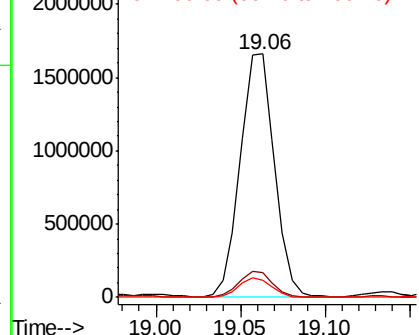


Abundance

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): B



#79
 Pyrene
 Concen: 31.512 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005240.D
 Acq: 24 Apr 2019 06:34

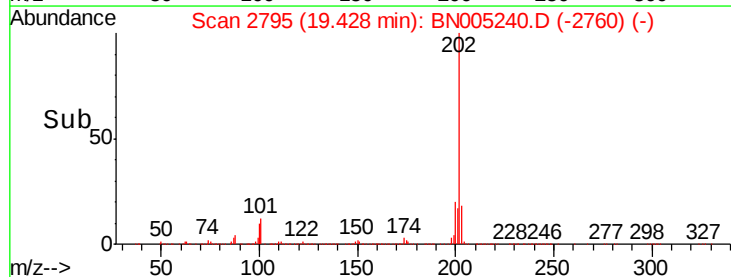
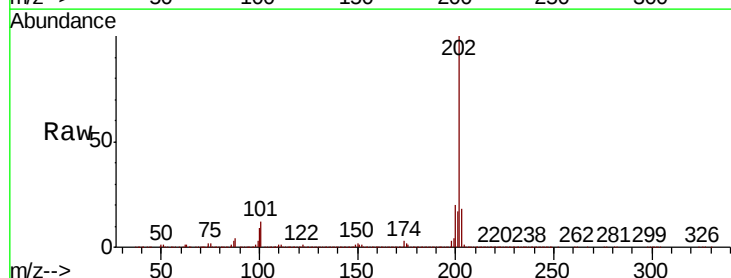
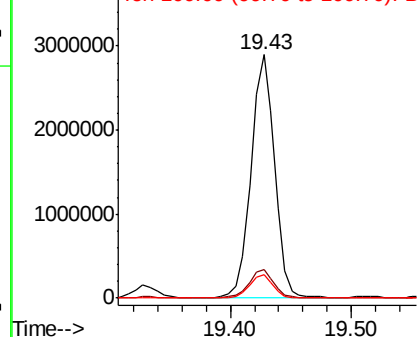
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	10.3	15.5
100	9.5	7.9	11.9

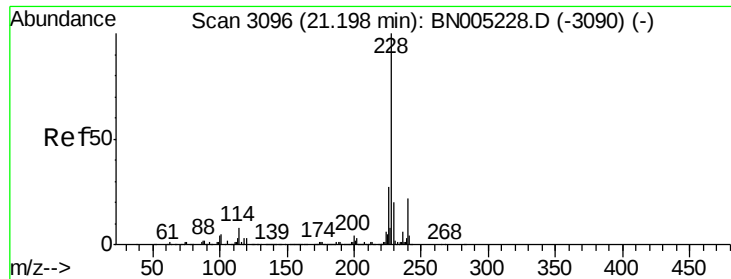
Abundance

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: 11.955 ng/ul m

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Instrument :

BNA_N

ClientSampled :

GAHQ8MSD

Tot Ion:228 Resp: 1434606

Ion Ratio Lower Upper

228 100

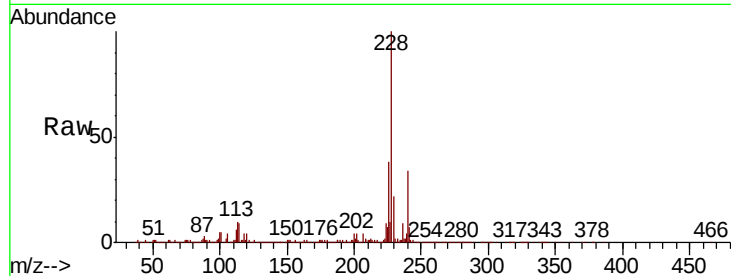
229 21.5 15.8 23.6

226 38.4 21.4 32.2#

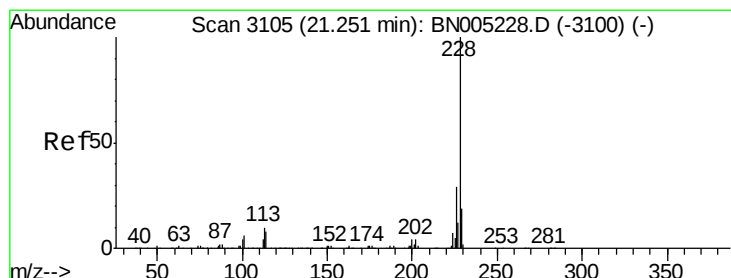
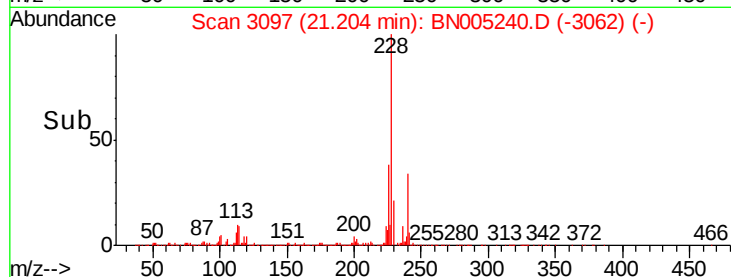
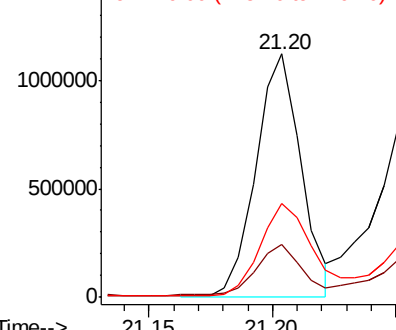
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Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 11.026 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

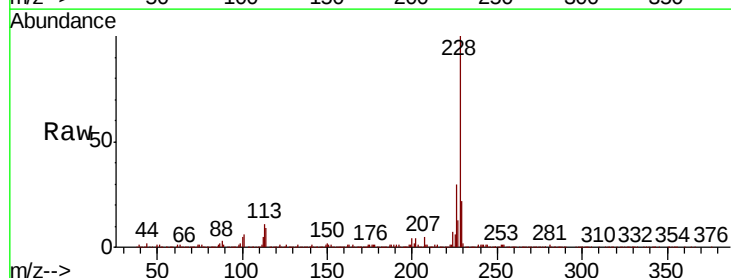
Tgt Ion:228 Resp: 1228027

Ion Ratio Lower Upper

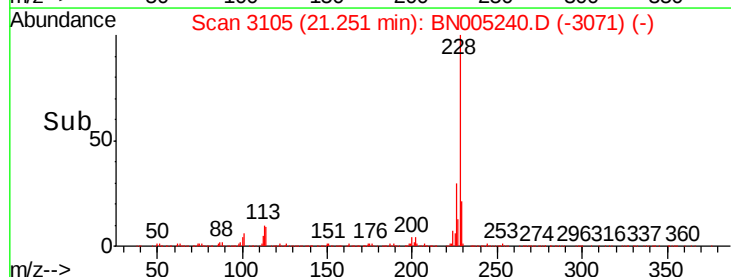
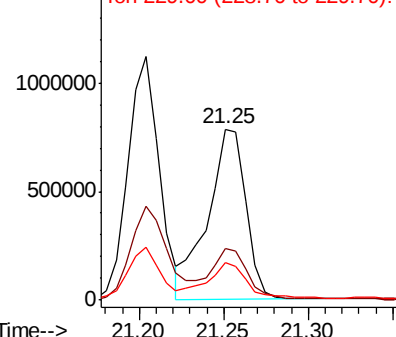
228 100

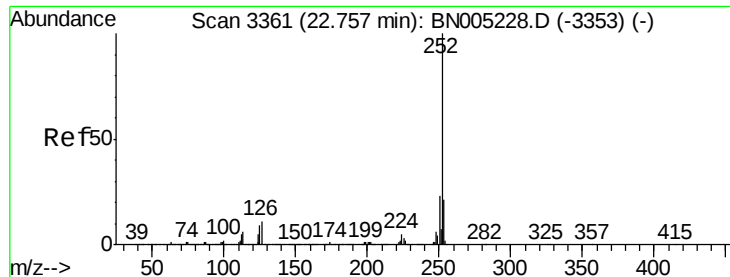
226 30.4 24.0 36.0

229 22.2 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





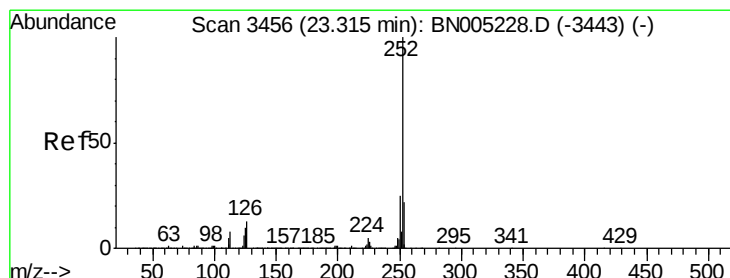
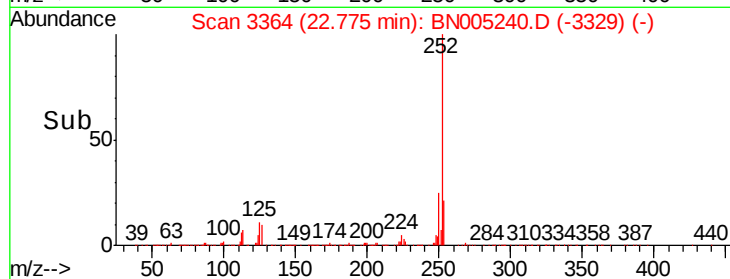
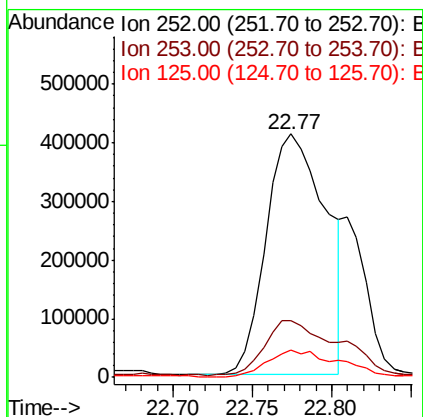
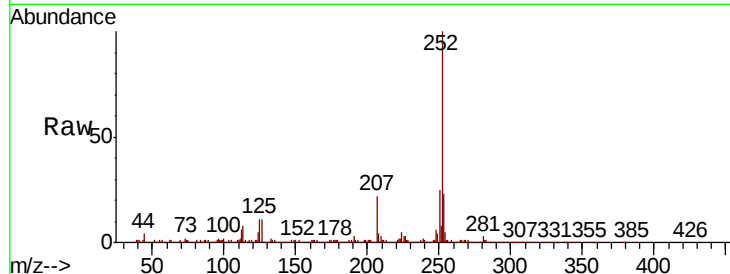
#87
Benzo(b)fluoranthene
Concen: 9.136 ng/ul
RT: 22.77 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Instrument :
BNA_N
ClientSampleId :
GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	11.3	8.4	12.6

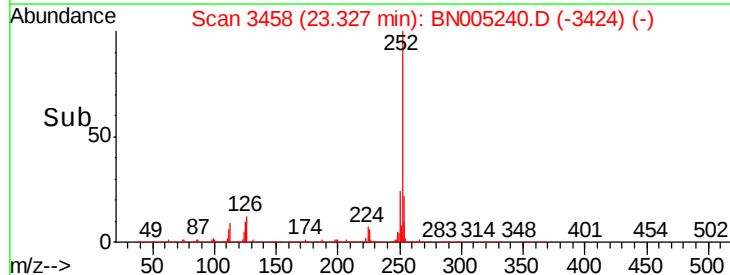
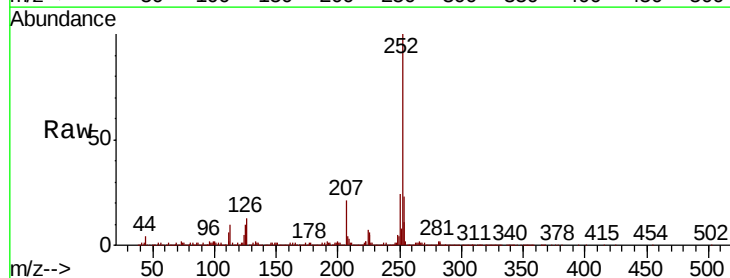
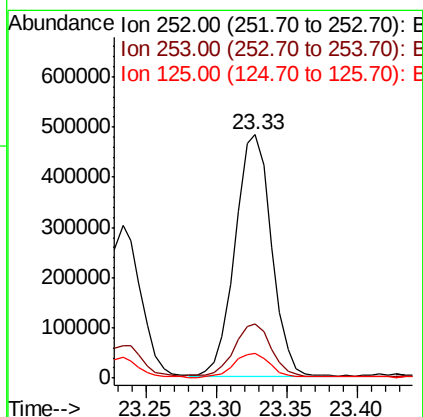
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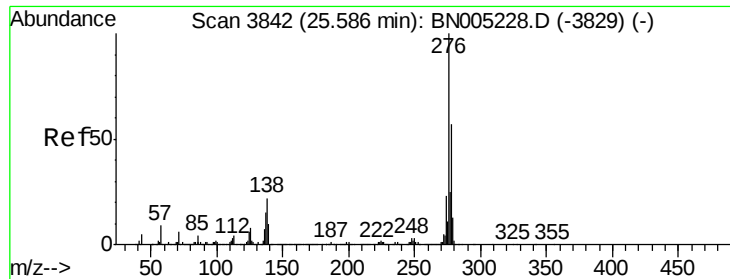
Sohil
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#90
Benzo(a)pyrene
Concen: 7.838 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.00 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	10.0	8.6	13.0





#91

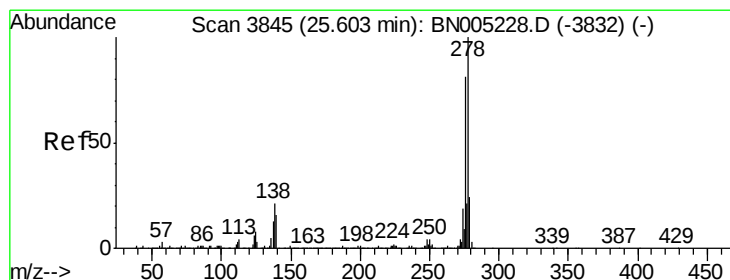
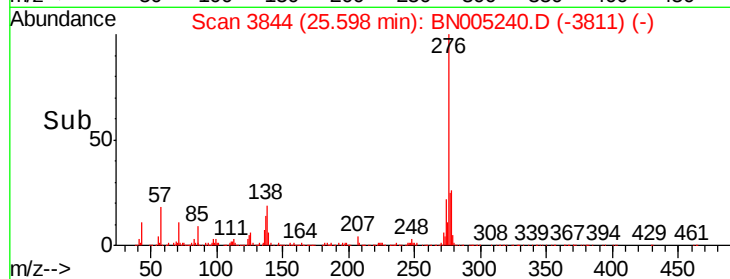
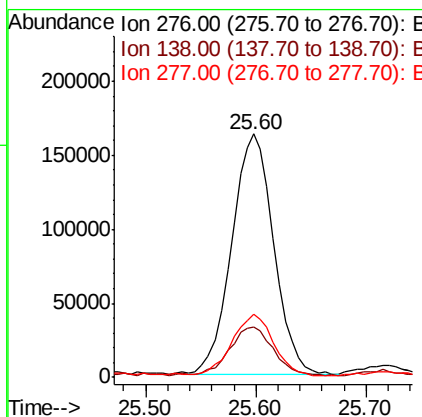
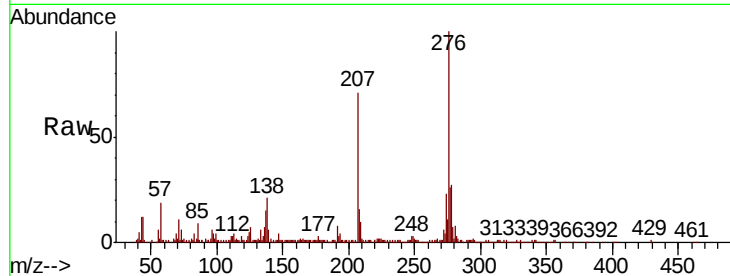
Indeno(1,2,3-cd)pyrene
Concen: 3.519 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.01 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Instrument :
BNA_N
ClientSampleId :
GAHQ8MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	17.9	26.9
277	25.7	19.7	29.5

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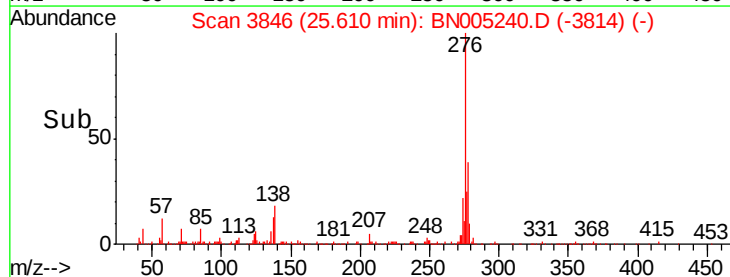
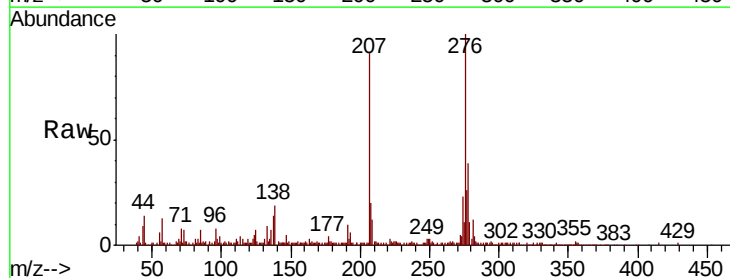
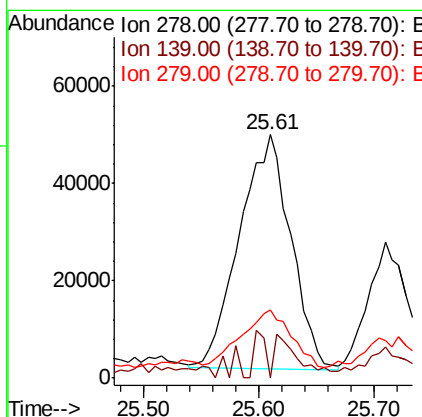
Sohil
4/27/2019 12:54:41 AM

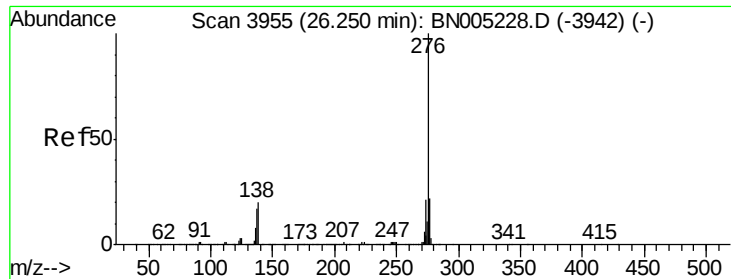


#92

Dibenzo(a,h)anthracene
Concen: 1.433 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. -0.01 min
Lab File: BN005240.D
Acq: 24 Apr 2019 06:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	27.9	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 2.787 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.01 min

Lab File: BN005240.D

Acq: 24 Apr 2019 06:34

Instrument :

BNA_N

ClientSampleId :

GAHQ8MSD

Tot Ion:	276	Resp:	282132
Ion Ratio	Lower	Upper	
276	100		
138	19.5	16.7	25.1
277	24.3	18.2	27.2

Manual Integrations
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