

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005336.D
 Acq On : 27 Apr 2019 02:49
 Operator : JU/SJ
 Sample : K2481-08MS 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MS

Manual Integrations
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Sohil
 4/29/2019 1:43:43 PM

Quant Time: Apr 27 04:07:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	378879	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1654439	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1070615	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2361142	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2120773	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	2009059	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	856	0.11	ng/uL	0.00
5) Phenol-d5	6.78	99	28230	0.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	17367	0.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	22520	0.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	24550	1.06	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	12729	1.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	12724	1.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	27910	1.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	17402	0.71	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	115399	1.48	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	120180	1.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	27321	2.23	ng/ul	0.00
57) Fluorene-d10	15.23	176	100272	1.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	5076	0.48	ng/ul	0.02
70) Anthracene-d10	17.09	188	138396	1.40	ng/ul	0.00
78) Pyrene-d10	19.39	212	160957	1.48	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	122535	1.40	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.80	94	28880	0.944 ng/ul	95
10) 2-Chlorophenol	7.16	128	21074	0.895 ng/ul	92
15) N-Nitroso-di-n-propylamine	8.39	70	19396	0.974 ng/ul	93
28) Naphthalene	10.40	128	3200273	41.609 ng/ul	100
33) 4-Chloro-3-methylphenol	11.65	107	33150m	1.261 ng/ul	
34) 2-Methylnaphthalene	12.04	142	20369121	361.693 ng/ul	93
40) 1,1'-Biphenyl	13.06	154	2914315	36.534 ng/ul	99
47) Acenaphthylene	13.96	152	13075201	139.383 ng/ul#	94
49) Acenaphthene	14.29	153	1597063	24.938 ng/ul	98
52) 4-Nitrophenol	14.46	109	12469m	1.119 ng/ul	
53) Dibenzofuran	14.63	168	1908803	20.702 ng/ul	98
54) 2,4-Dinitrotoluene	14.60	165	149077m	7.734 ng/ul	
58) Fluorene	15.29	166	8878310	123.398 ng/ul	97
68) Pentachlorophenol	16.65	266	15553	1.049 ng/ul#	91
69) Phenanthrene	17.03	178	24439978m	212.537 ng/ul	
71) Anthracene	17.12	178	4401272	37.572 ng/ul	99
76) Fluoranthene	19.06	202	8882599	69.642 ng/ul	99
79) Pyrene	19.43	202	13002659	95.223 ng/ul	99
82) Benzo(a)anthracene	21.20	228	4687413m	35.528 ng/ul	
84) Chrysene	21.25	228	4531859	37.011 ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	2246729m	19.894 ng/ul	
88) Benzo(k)fluoranthene	22.79	252	566681m	5.254 ng/ul	
90) Benzo(a)pyrene	23.32	252	1325403	12.486 ng/ul	99

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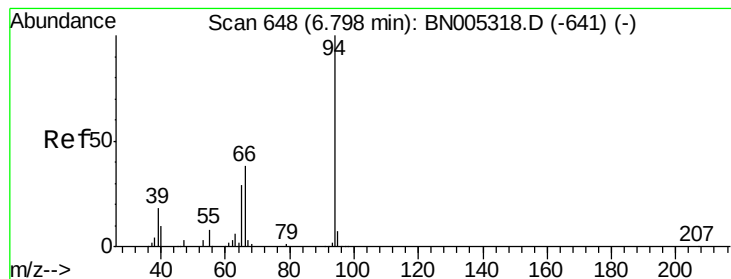
Manual Integrations
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Quant Time: Apr 27 04:07:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.59	276	691671	5.893	ng/ul	97
92) Dibenzo(a,h)anthracene	25.59	278	262765	2.638	ng/ul	98
93) Benzo(g,h,i)perylene	26.24	276	593985	6.121	ng/ul	97

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



#6

Phenol

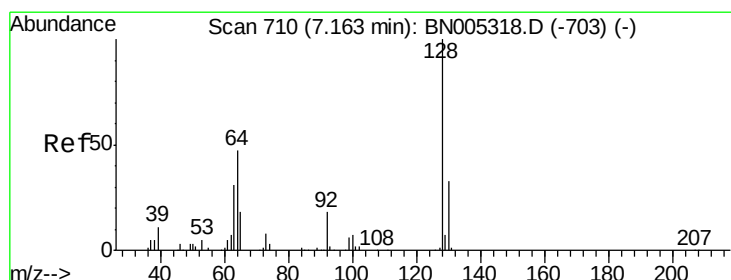
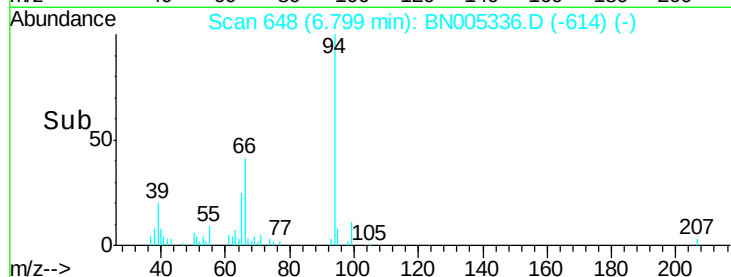
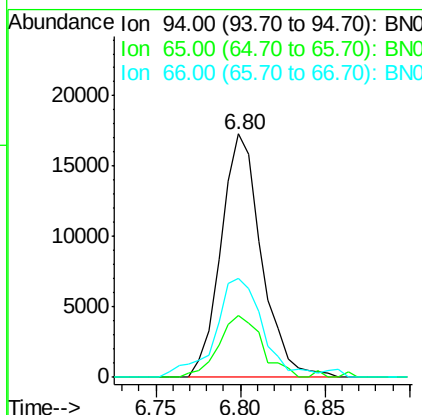
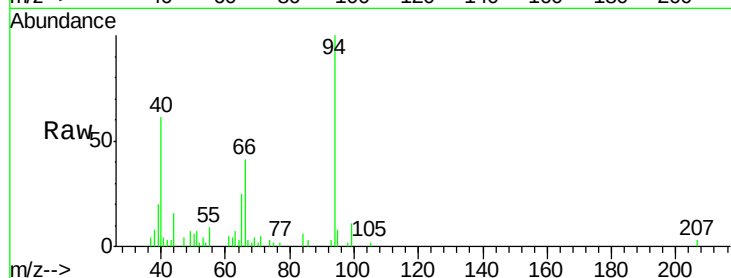
Concen: 0.944 ng/ul
 RT: 6.80 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MS

Tgt Ion	Ratio	Lower	Upper
94	100		
65	25.2	24.2	36.4
66	40.8	33.8	50.6

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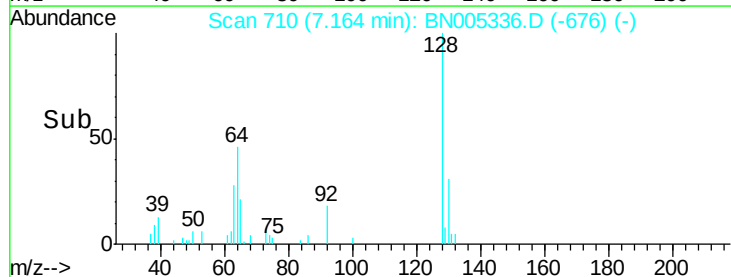
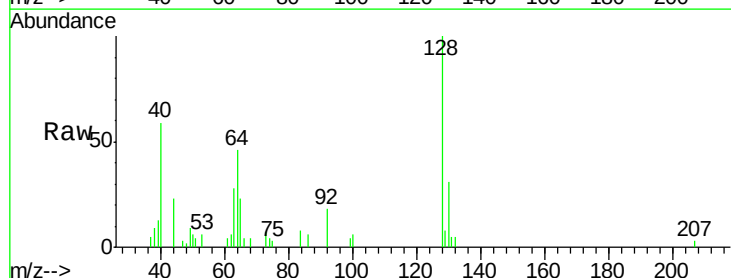
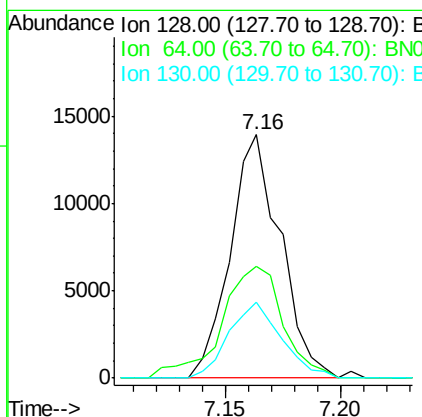


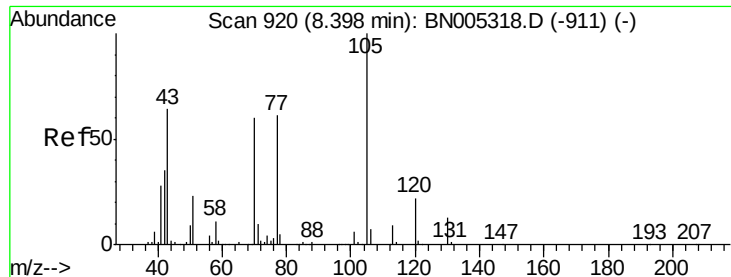
#10

2-Chlorophenol

Concen: 0.895 ng/ul
 RT: 7.16 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Tgt Ion	Ratio	Lower	Upper
128	100		
64	45.7	42.3	63.5
130	31.3	26.5	39.7





#15

N-Nitroso-di-n-propylamine

Concen: 0.974 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

ClientSampleId :

GAHW2MS

Tgt Ion: 70 Resp: 19396
Ion Ratio Lower Upper

70 100

42 60.5 53.8 80.8

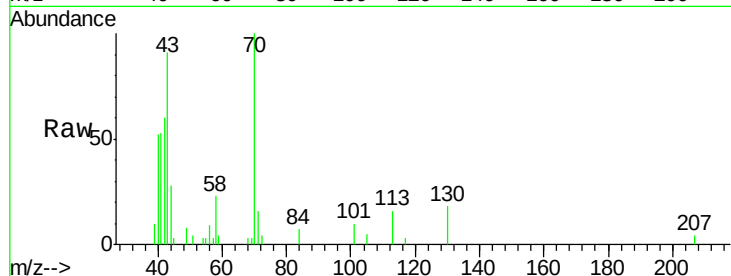
101 10.1 7.7 11.5

130 17.6 15.0 22.4

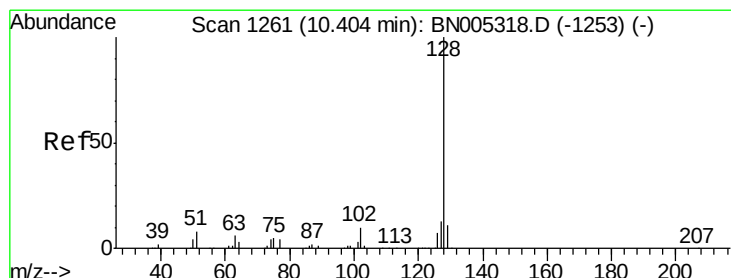
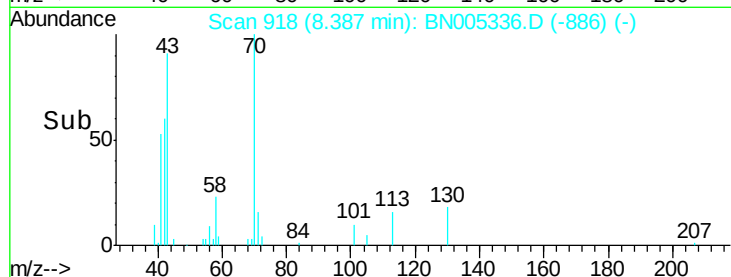
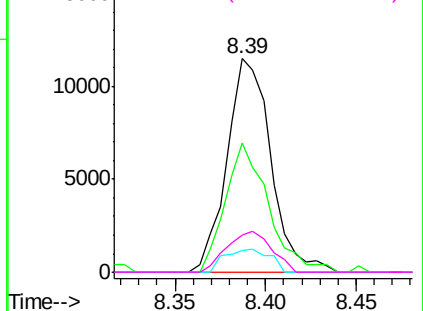
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Abundance Ion 70.00 (69.70 to 70.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E



#28

Naphthalene

Concen: 41.609 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BN005336.D

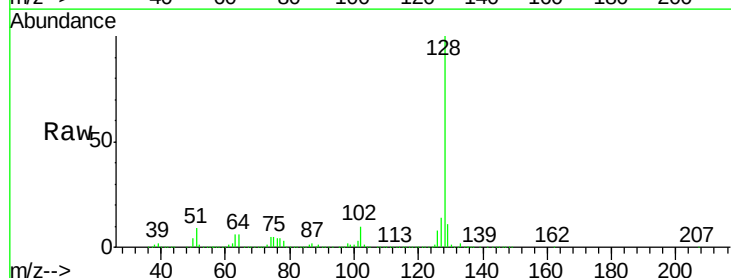
Acq: 27 Apr 2019 02:49

Tgt Ion: 128 Resp: 3200273
Ion Ratio Lower Upper

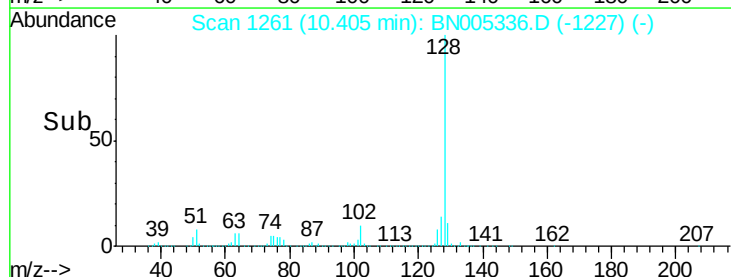
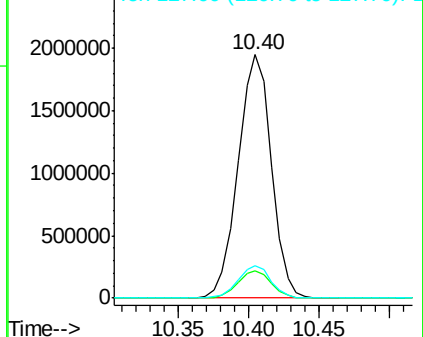
128 100

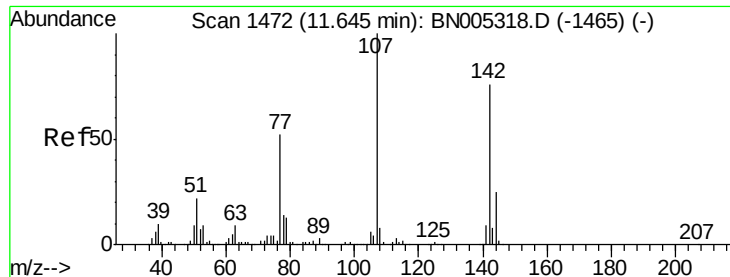
129 11.3 9.2 13.8

127 13.5 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





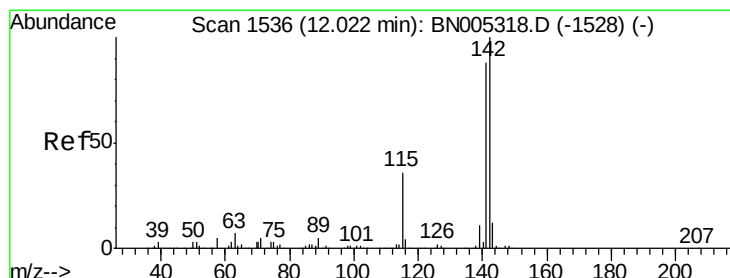
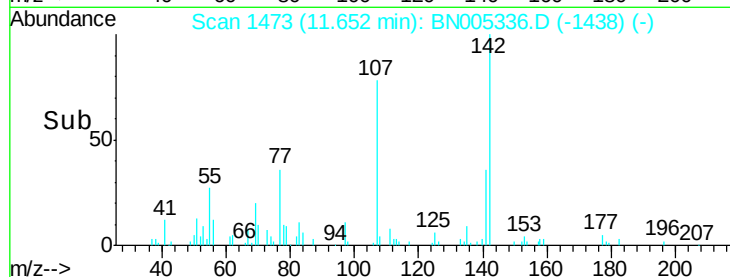
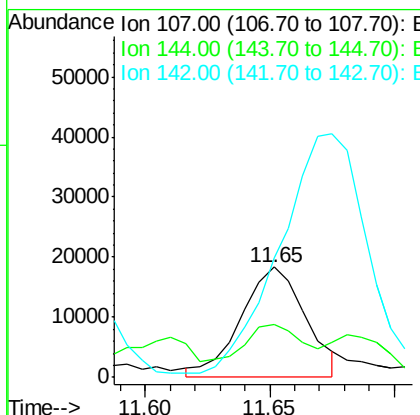
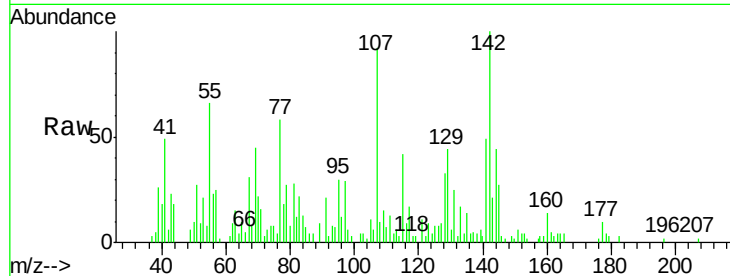
#33
 4-Chloro-3-methylphenol
 Concen: 1.261 ng/ul m
 RT: 11.65 min Scan# 1473
 Delta R.T. 0.01 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Instrument :
 BNA_N
 ClientSampled :
 GAHW2MS

Tgt Ion:107 Resp: 33150
 Ion Ratio Lower Upper
 107 100
 144 48.1 19.4 29.0#
 142 108.2 57.7 86.5#

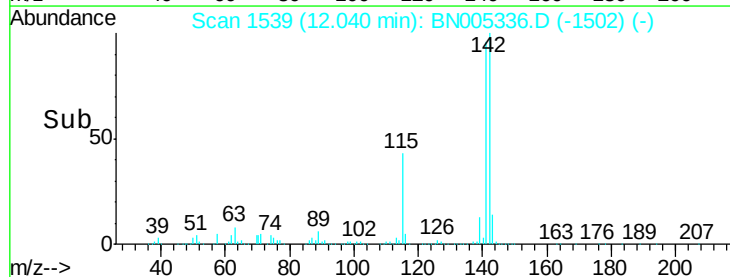
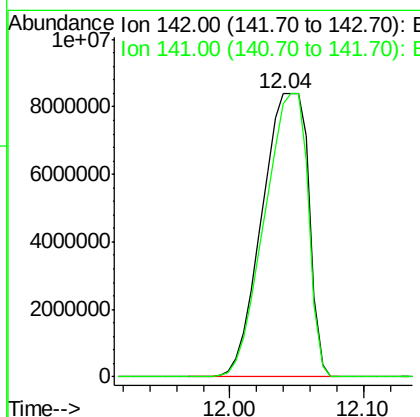
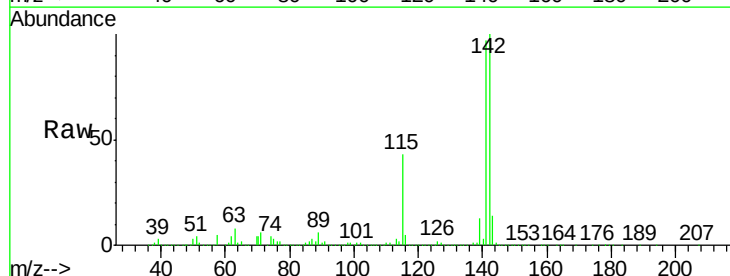
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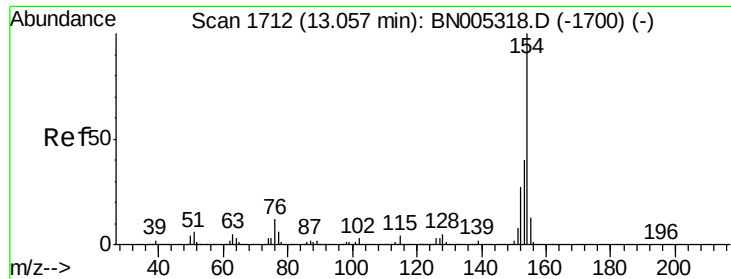
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#34
 2-Methylnaphthalene
 Concen: 361.693 ng/ul
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.02 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Tgt Ion:142 Resp:20369121
 Ion Ratio Lower Upper
 142 100
 141 96.6 72.0 108.0





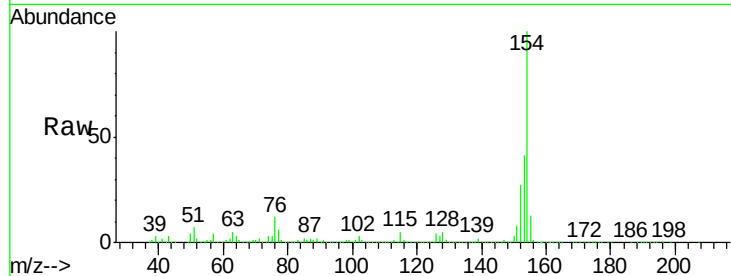
#40
1,1'-Biphenyl
Concen: 36.534 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Instrument :
BNA_N
ClientSampled :
GAHW2MS

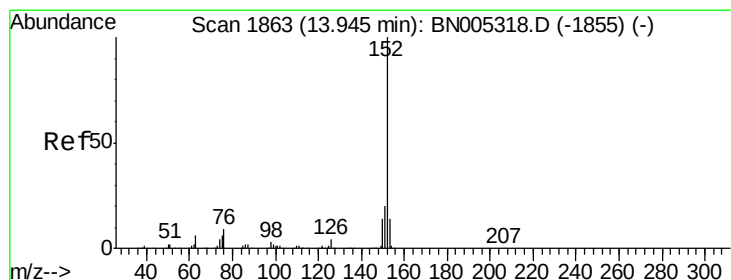
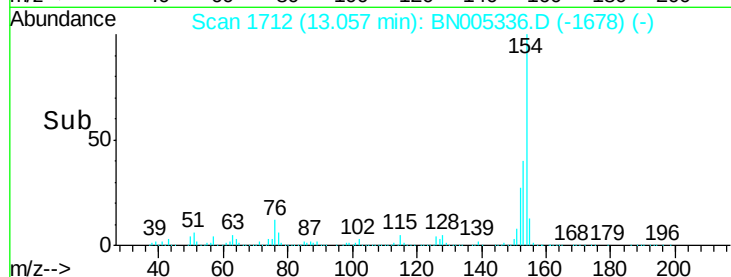
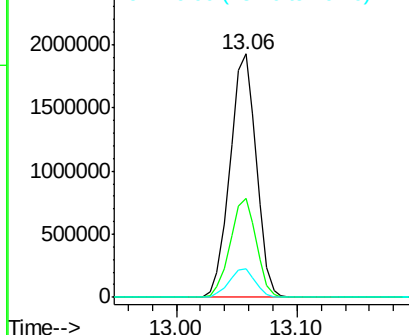
Tgt Ion:	154	Resp:	2914315
Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.6	49.0
76	11.6	10.4	15.6

Manual Integrations
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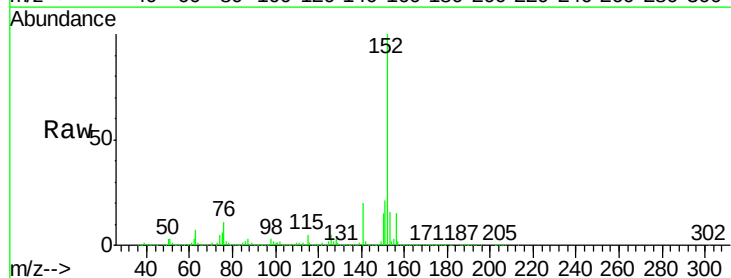


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC

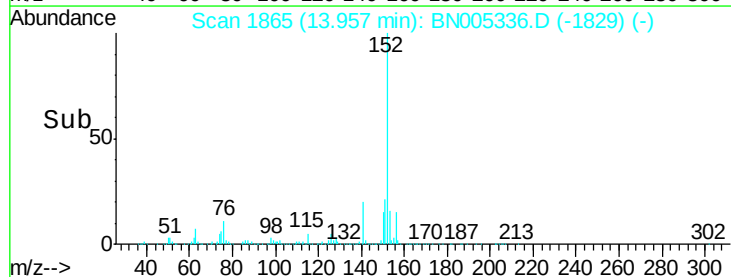
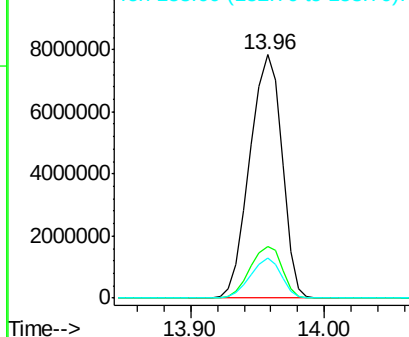


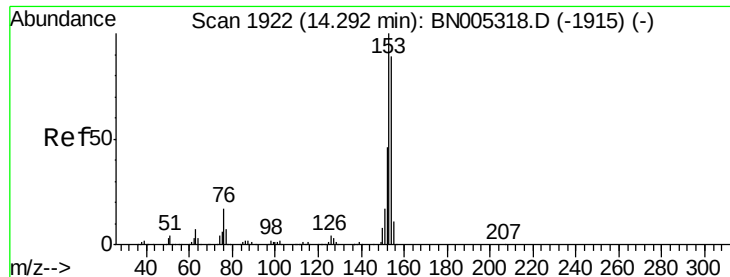
#47
Acenaphthylene
Concen: 139.383 ng/ul
RT: 13.96 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Tgt Ion:	152	Resp:	13075201
Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.8	23.8
153	16.2	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: 24.938 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

ClientSampled :

GAHW2MS

Tgt Ion:153 Resp: 1597063

Ion Ratio Lower Upper

153 100

152 47.7 37.4 56.0

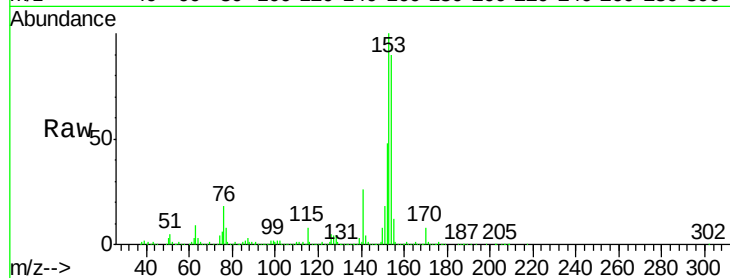
154 90.5 71.2 106.8

Manual Integrations

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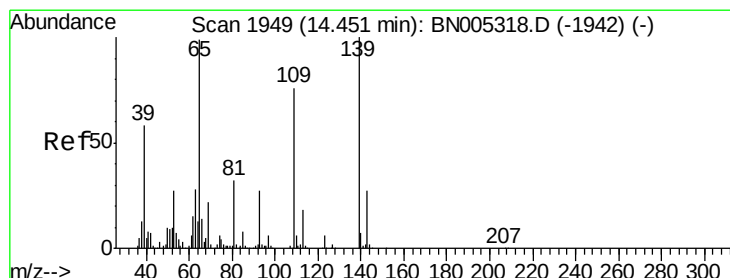
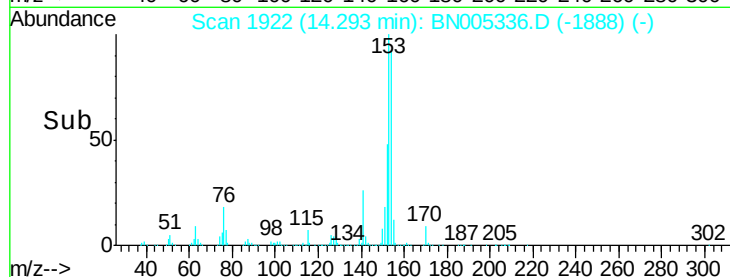
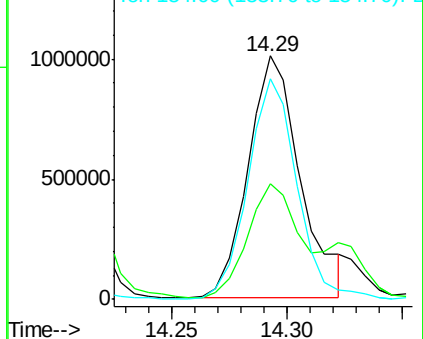
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 1.119 ng/ul m

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Tgt Ion:109 Resp: 12469

Ion Ratio Lower Upper

109 100

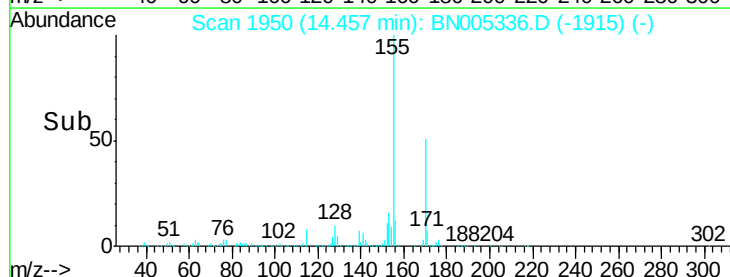
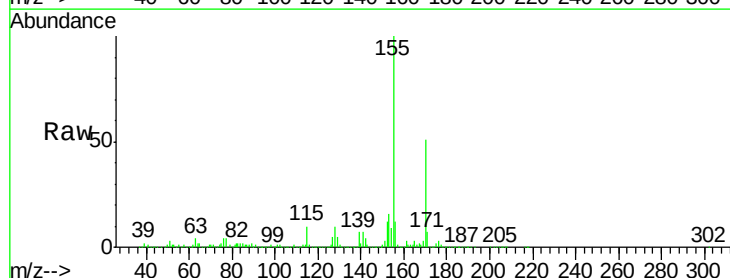
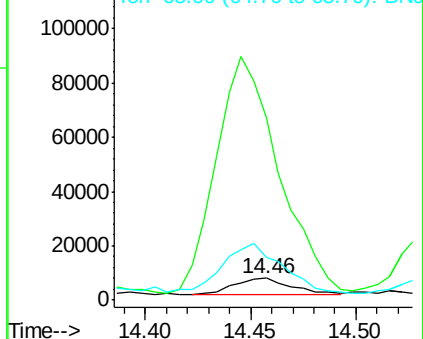
139 832.7 92.3 138.5#

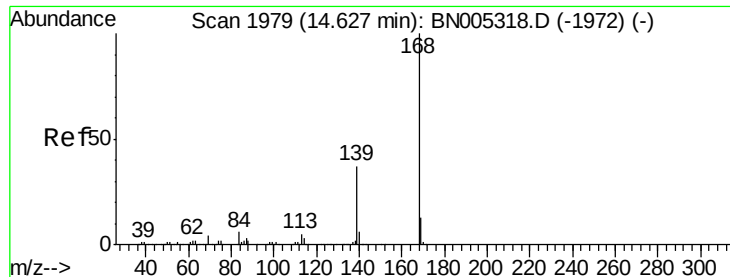
65 195.9 97.5 146.3#

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): BNC





#53

Dibenzofuran

Concen: 20.702 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

ClientSampled :

GAHW2MS

Tgt Ion:168 Resp: 1908803

Ion Ratio Lower Upper

168 100

139 40.0

30.9

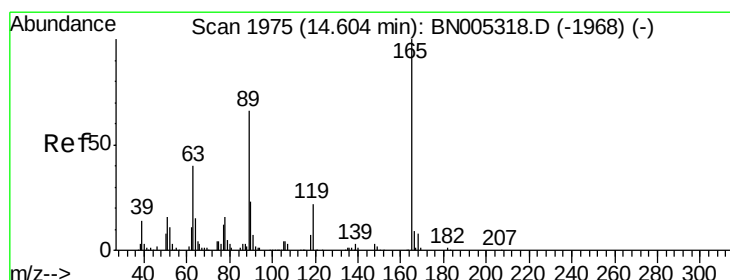
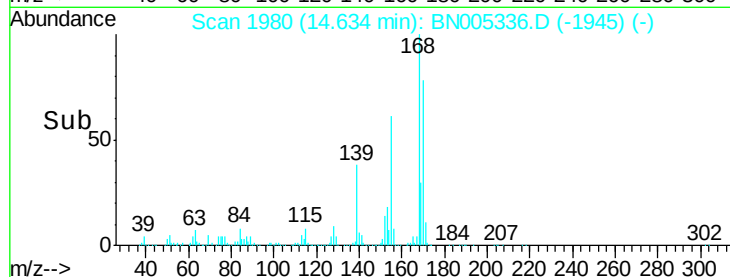
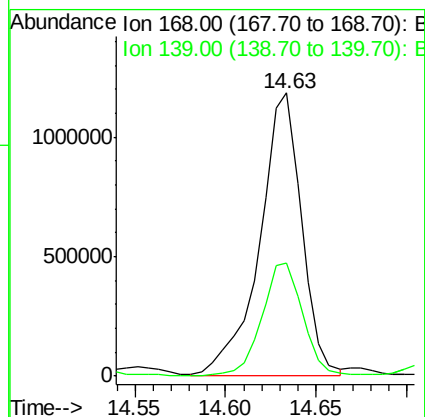
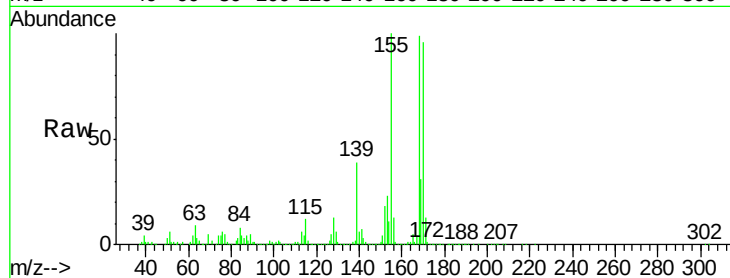
46.3

Manual Integrations

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#54

2,4-Dinitrotoluene

Concen: 7.734 ng/ul m

RT: 14.60 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Tgt Ion:165 Resp: 149077

Ion Ratio Lower Upper

165 100

63 27.9

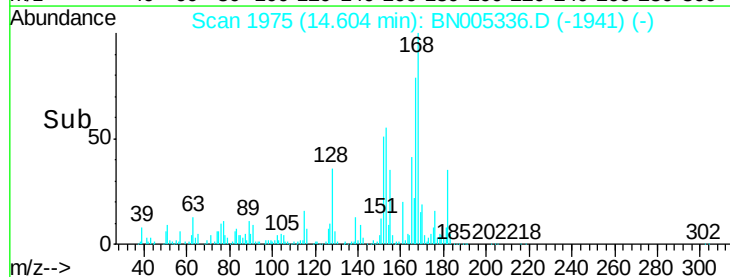
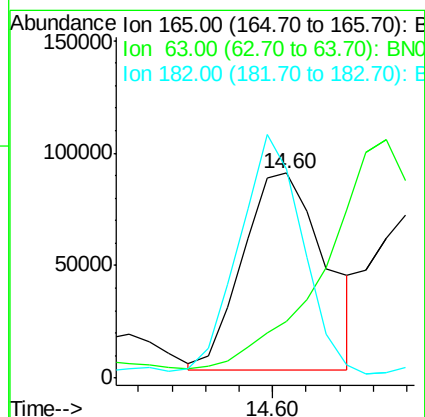
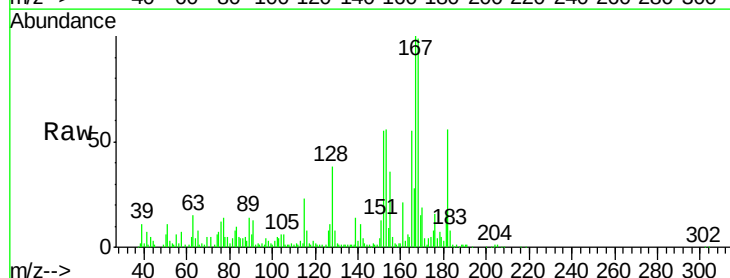
38.9

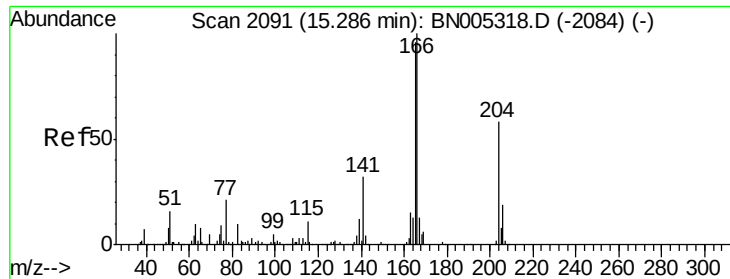
58.3#

182 102.0

2.6

3.8#





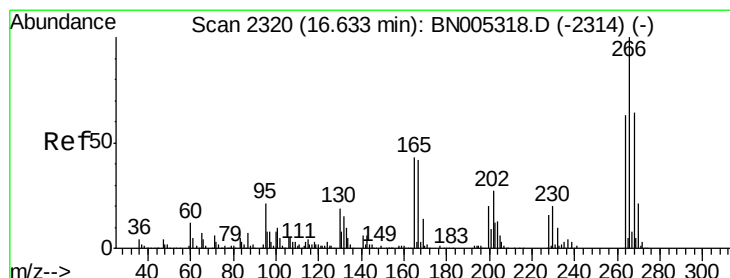
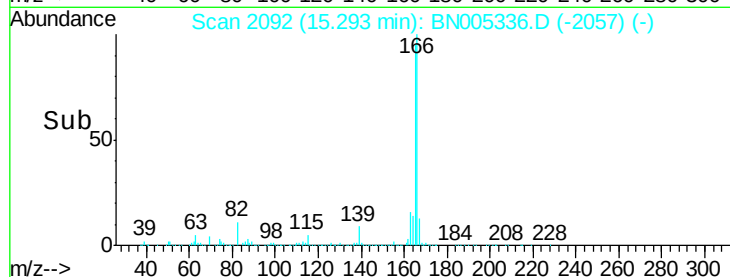
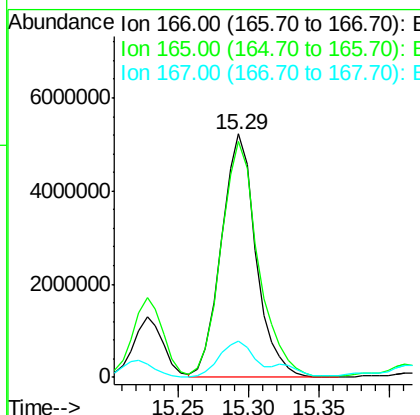
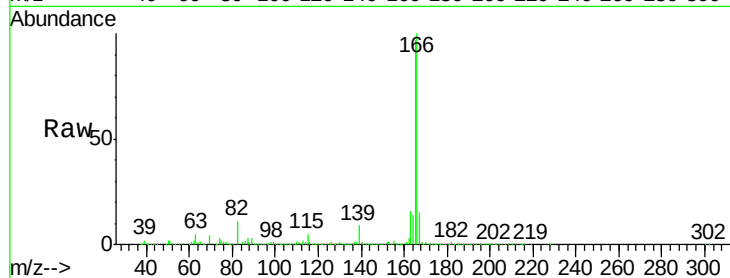
#58
 Fluorene
 Concen: 123.398 ng/ul
 RT: 15.29 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Instrument :
 BNA_N
 ClientSampleId :
 GAHW2MS

Tgt Ion:166 Resp: 8878310
 Ion Ratio Lower Upper
 166 100
 165 96.9 80.0 120.0
 167 14.9 10.7 16.1

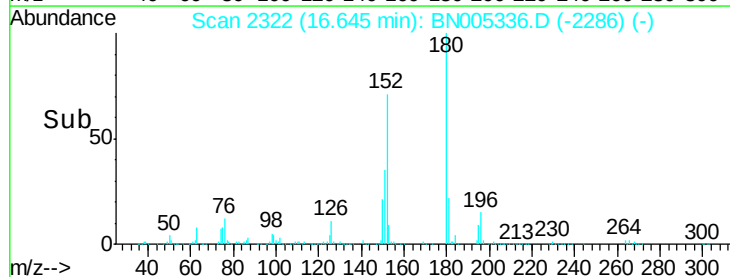
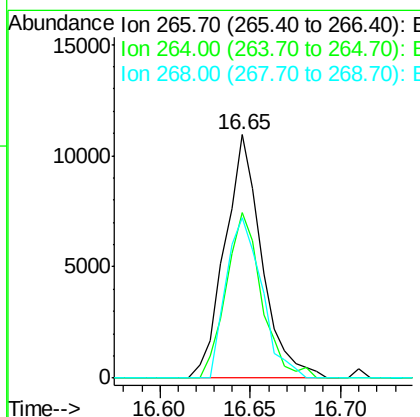
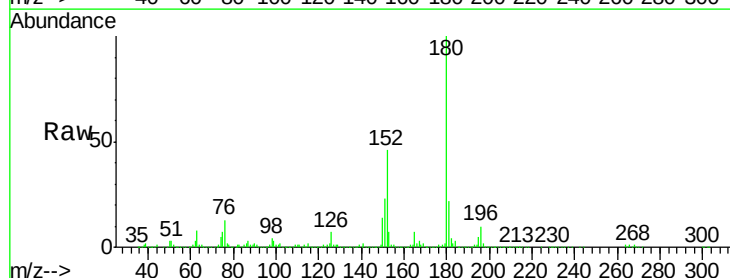
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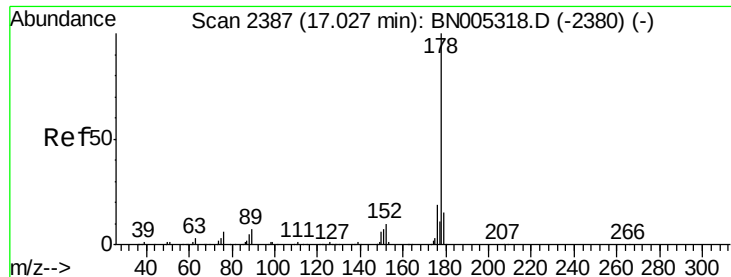
Sohil
 4/29/2019 1:43:43 PM



#68
 Pentachlorophenol
 Concen: 1.049 ng/ul
 RT: 16.65 min Scan# 2322
 Delta R.T. 0.01 min
 Lab File: BN005336.D
 Acq: 27 Apr 2019 02:49

Tgt Ion:266 Resp: 15553
 Ion Ratio Lower Upper
 266 100
 264 75.5 49.7 74.5#
 268 66.1 52.4 78.6





#69

Phenanthrene

Concen: 212.537 ng/ul m

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

ClientSampled :

GAHW2MS

Tgt Ion:178 Resp:24439978

Ion Ratio Lower Upper

178 100

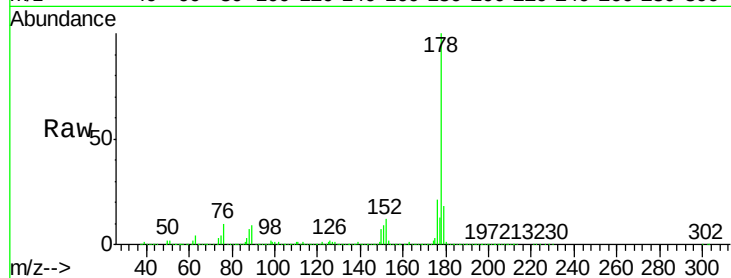
179 18.2 12.2 18.4

176 21.3 15.1 22.7

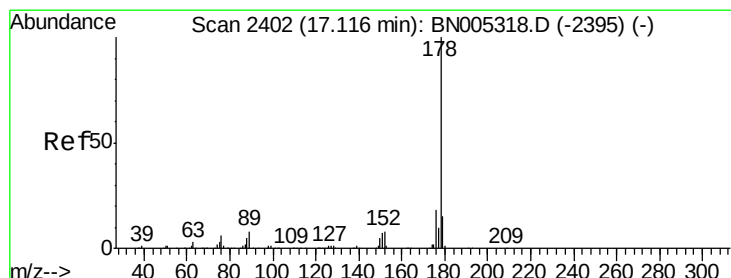
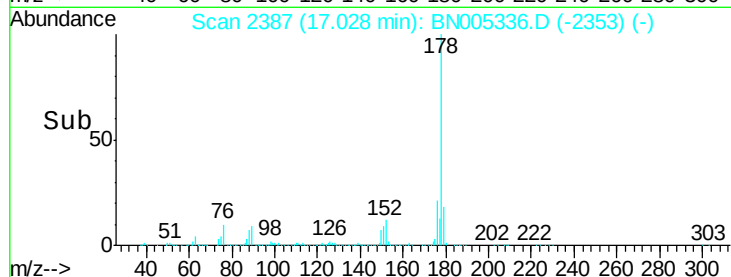
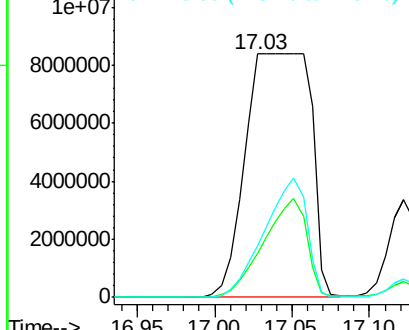
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 37.572 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Tgt Ion:178 Resp: 4401272

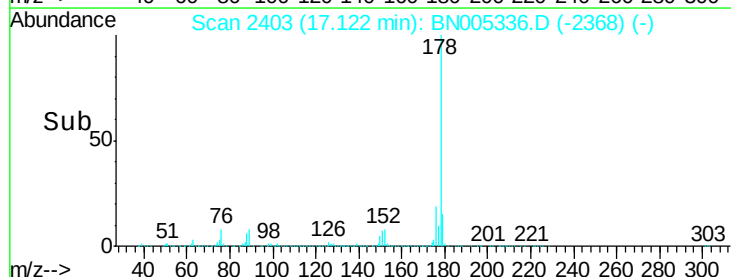
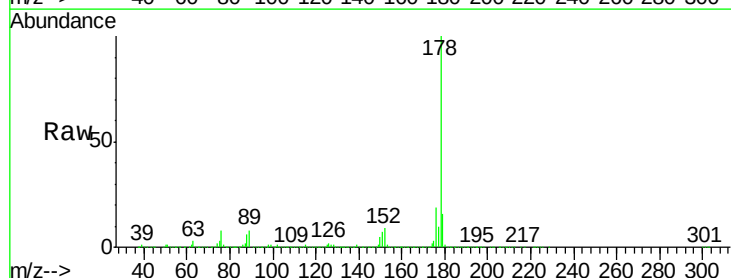
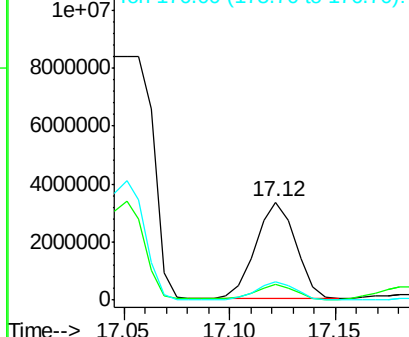
Ion Ratio Lower Upper

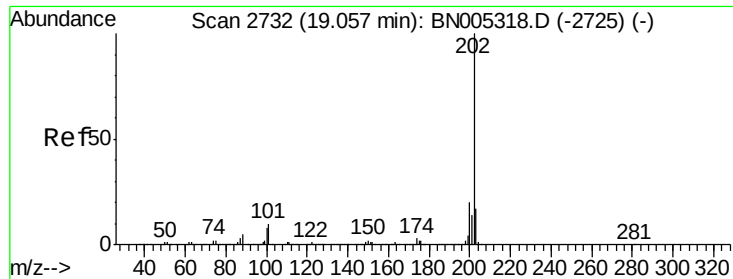
178 100

179 15.9 12.3 18.5

176 18.7 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: 69.642 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

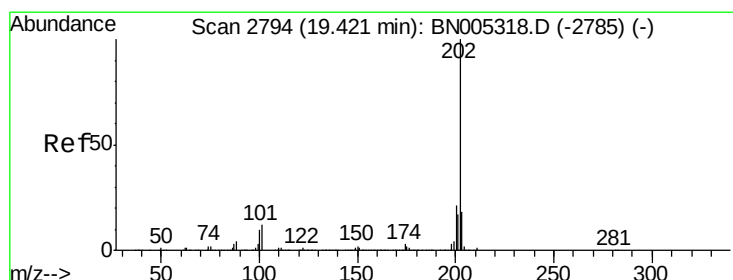
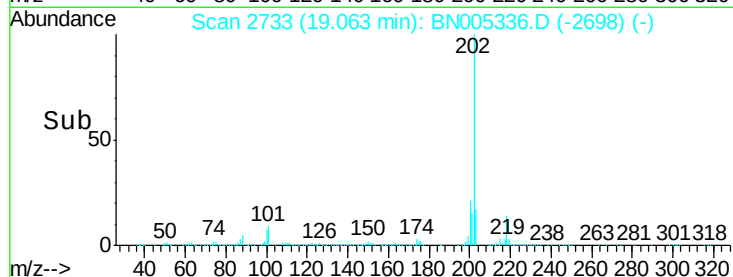
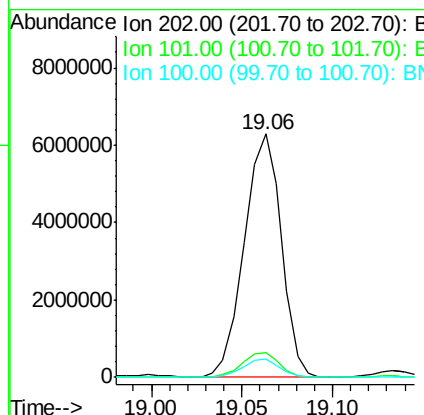
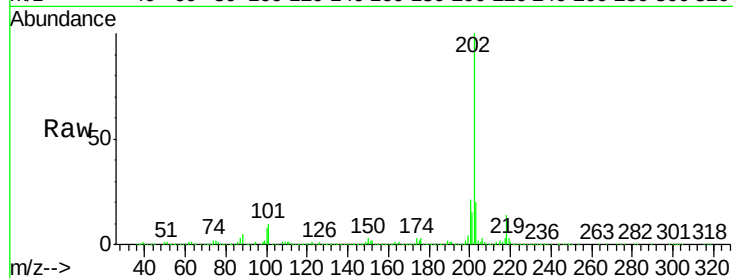
ClientSampleId :

GAHW2MS

Tgt Ion:	202	Resp:	8882599
Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.6	12.8
100	7.6	6.3	9.5

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#79

Pyrene

Concen: 95.223 ng/ul

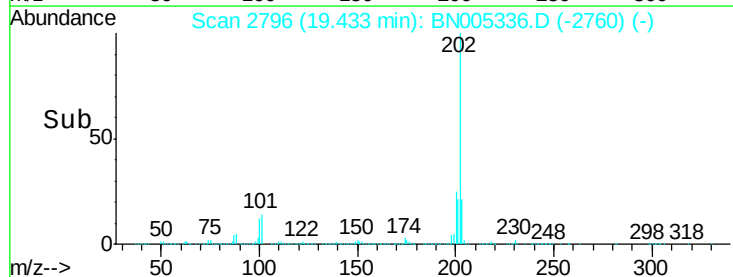
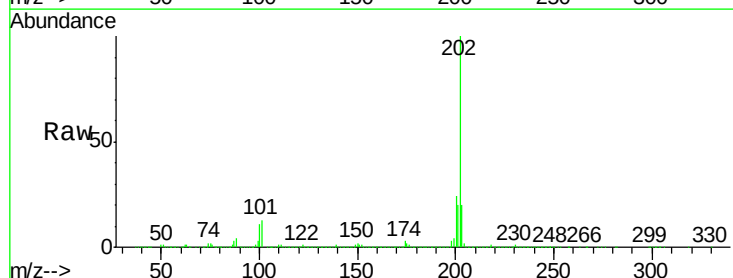
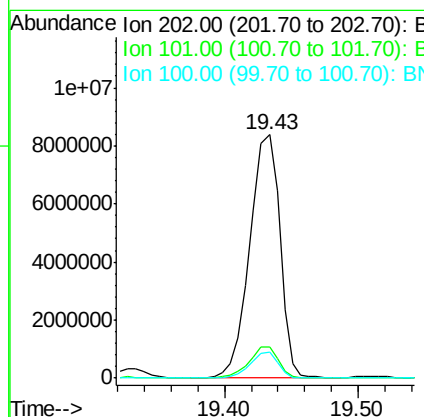
RT: 19.43 min Scan# 2796

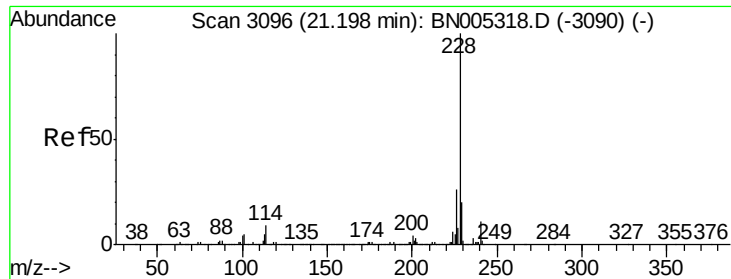
Delta R.T. 0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Tgt Ion:	202	Resp:	13002659
Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.3	15.5
100	10.7	7.9	11.9





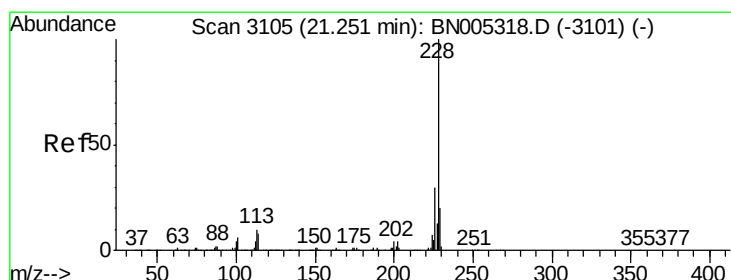
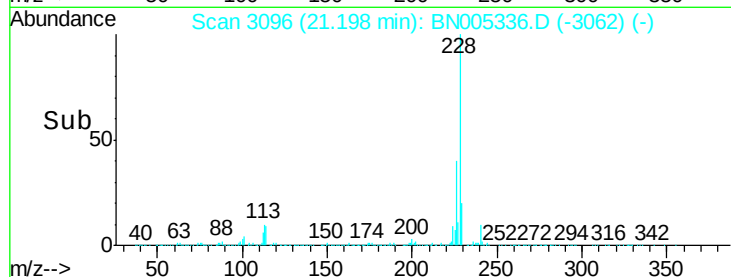
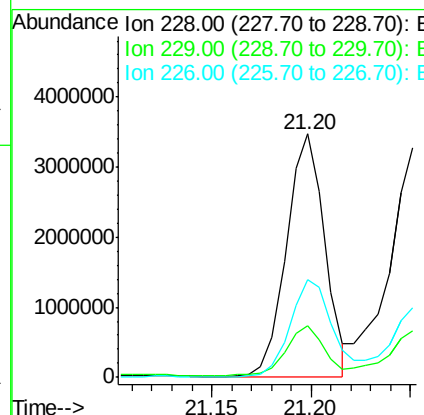
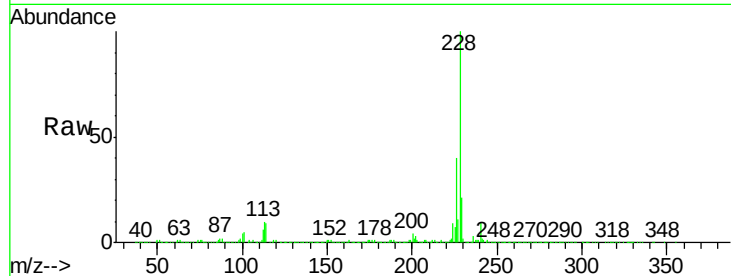
#82
Benzo(a)anthracene
Concen: 35.528 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Instrument :
BNA_N
ClientSampleId :
GAHW2MS

Tgt Ion:228 Resp: 4687413
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 40.0 21.4 32.2#

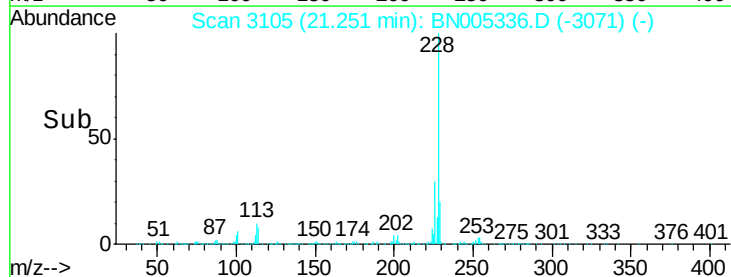
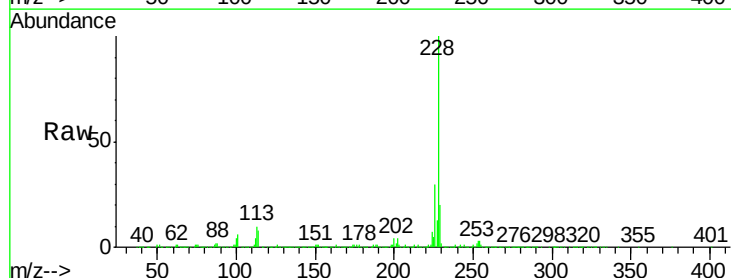
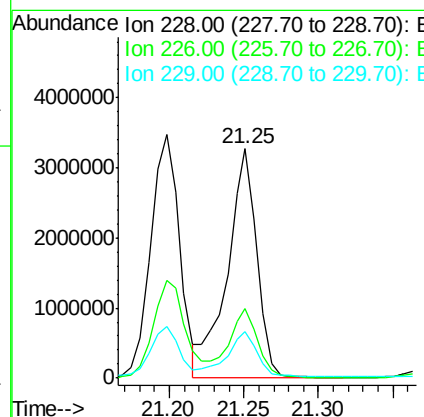
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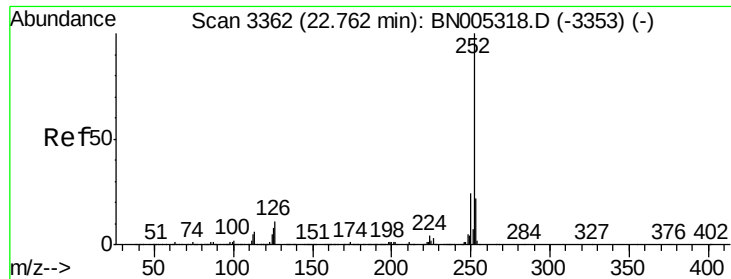
Sohil
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#84
Chrysene
Concen: 37.011 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Tgt Ion:228 Resp: 4531859
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 20.3 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 19.894 ng/ul m

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Instrument :

BNA_N

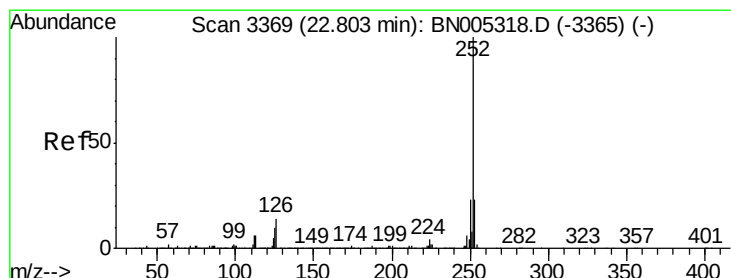
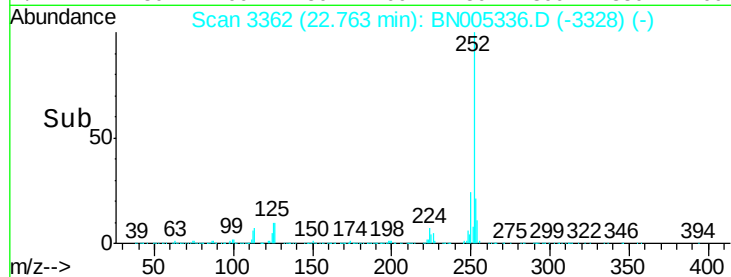
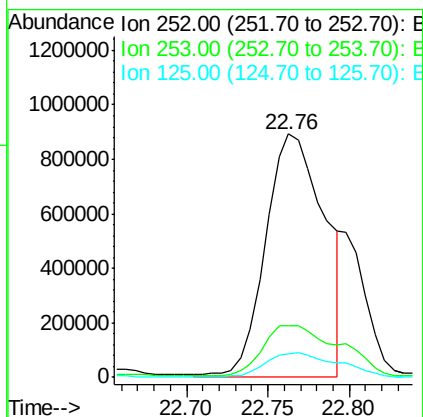
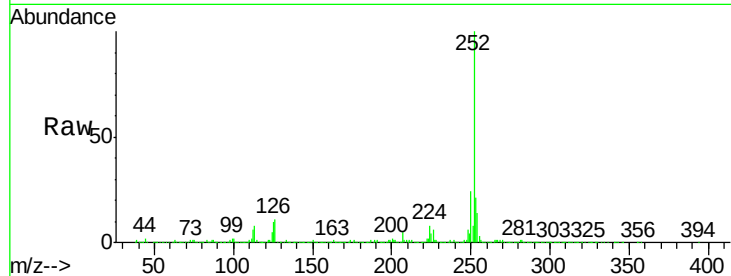
ClientSampleId :

GAHW2MS

Tgt Ion:	252	Resp:	2246729
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	9.8	8.4	12.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.254 ng/ul m

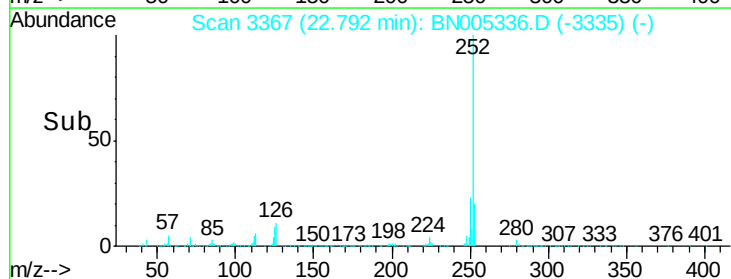
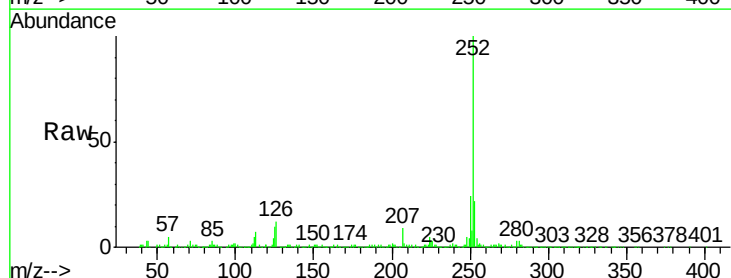
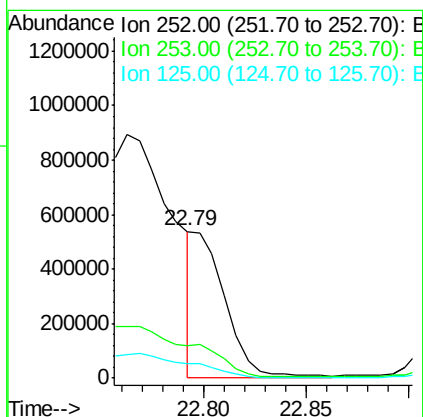
RT: 22.79 min Scan# 3367

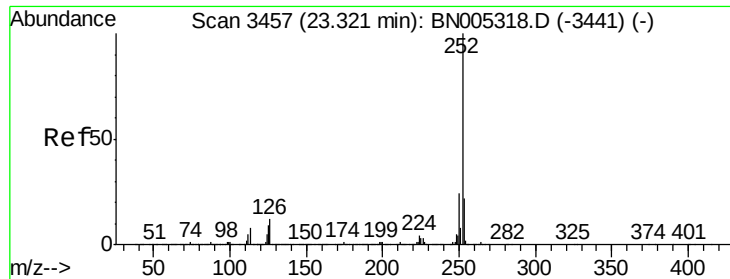
Delta R.T. -0.01 min

Lab File: BN005336.D

Acq: 27 Apr 2019 02:49

Tgt Ion:	252	Resp:	566681
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	9.6	7.5	11.3





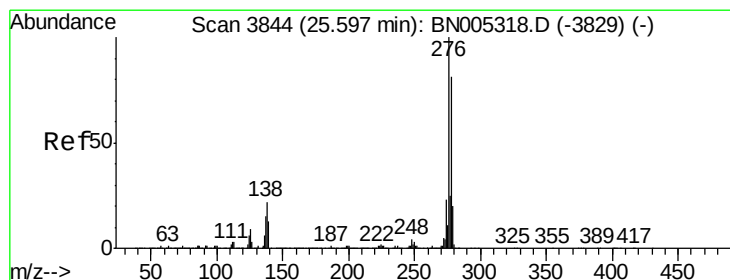
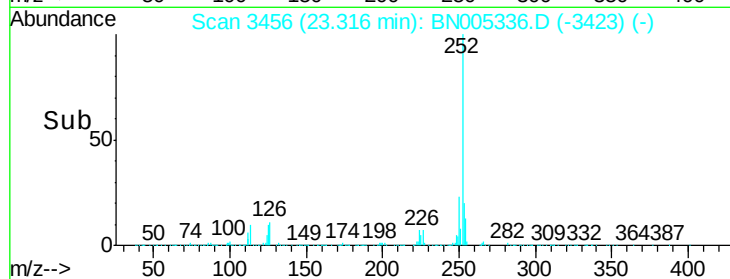
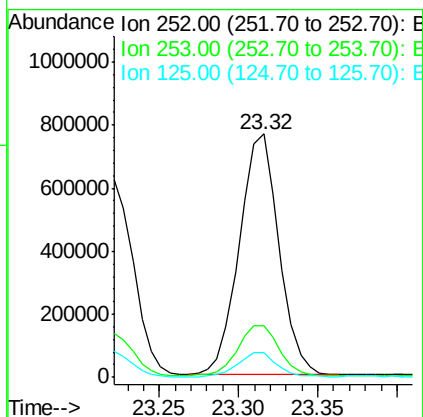
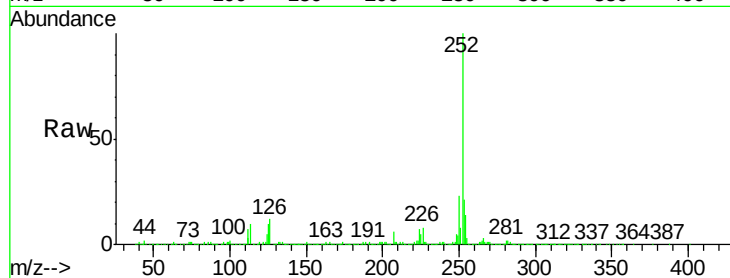
#90
Benzo(a)pyrene
Concen: 12.486 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Instrument :
BNA_N
ClientSampleId :
GAHW2MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	9.9	8.6	13.0

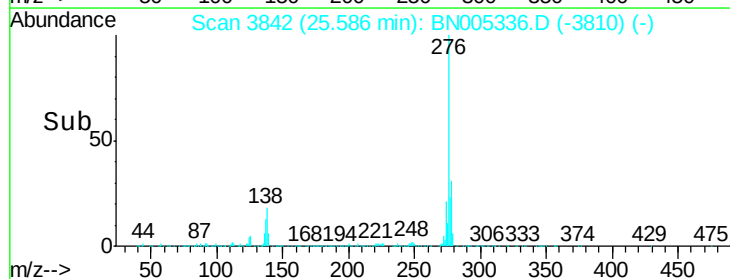
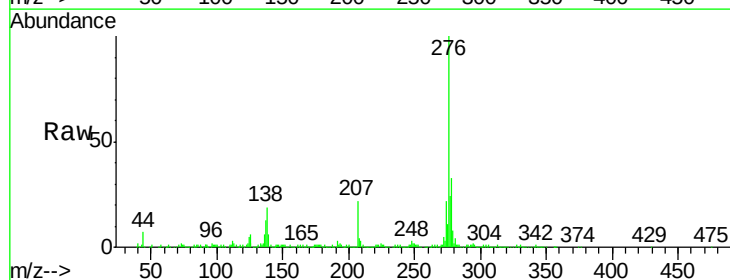
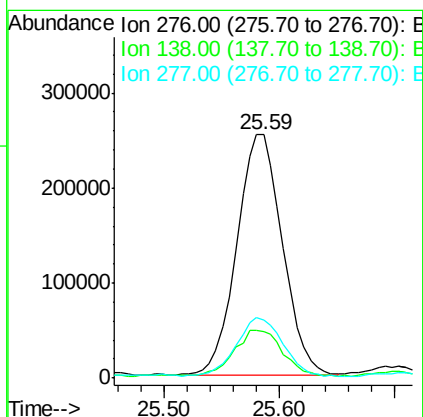
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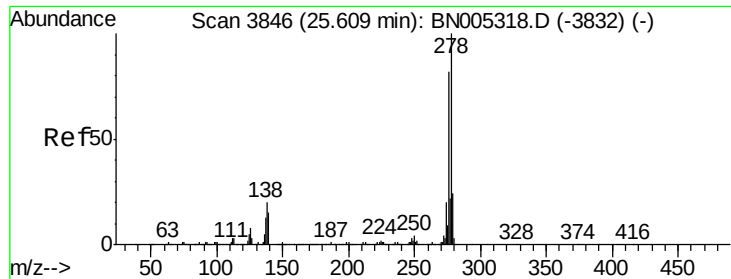
Sohil
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#91
Indeno(1,2,3-cd)pyrene
Concen: 5.893 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.01 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	17.9	26.9
277	23.9	19.7	29.5





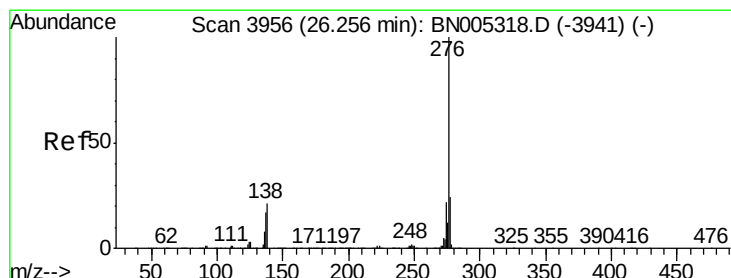
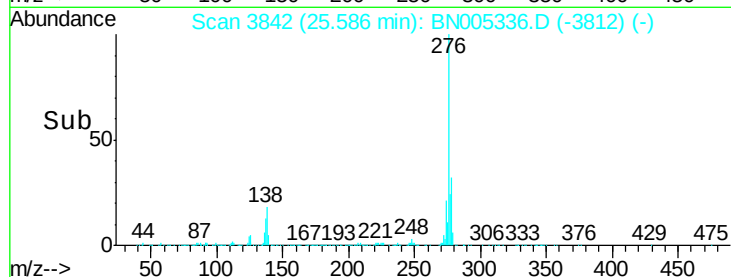
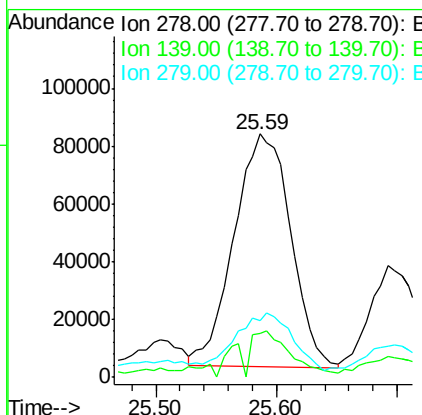
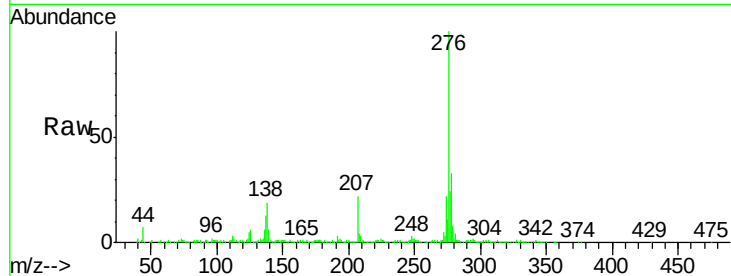
#92
Dibenzo(a,h)anthracene
Concen: 2.638 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.02 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Instrument :
BNA_N
ClientSampled :
GAHW2MS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.1	19.7
279	23.3	19.4	29.0

Manual Integrations
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4/29/2019 1:43:43 PM



#93
Benzo(g,h,i)perylene
Concen: 6.121 ng/ul
RT: 26.24 min Scan# 3954
Delta R.T. -0.01 min
Lab File: BN005336.D
Acq: 27 Apr 2019 02:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.7	25.1
277	24.5	18.2	27.2

