

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005330.D
 Acq On : 26 Apr 2019 23:22
 Operator : JU/SJ
 Sample : K2455-17ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR7ME

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:32 PM

Quant Time: Apr 27 02:49:20 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	408529	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1706225	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1085249	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2464804	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2264739	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2107841	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	25271	2.99	ng/uL	0.00
5) Phenol-d5	6.78	99	549046	17.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	354569	17.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	456477	18.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	330380	13.17	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	285129	27.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	271970	25.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	462315	18.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	657444	26.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1555166	19.74	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1936391	20.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	216603	17.41	ng/ul	0.00
57) Fluorene-d10	15.23	176	1360701	20.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	183509	16.55	ng/ul	0.00
70) Anthracene-d10	17.09	188	2197046	21.26	ng/ul	0.00
78) Pyrene-d10	19.40	212	2582611	22.29	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	2113650	22.95	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	27302473m	344.208	ng/ul	
34) 2-Methylnaphthalene	12.04	142	24853764m	427.932	ng/ul	
40) 1,1'-Biphenyl	13.06	154	2582590	31.939	ng/ul	99
44) Dimethylphthalate	13.69	163	180703	2.302	ng/ul	99
47) Acenaphthylene	13.95	152	7158273	75.279	ng/ul#	96
49) Acenaphthene	14.29	153	886317	13.653	ng/ul	99
53) Dibenzofuran	14.63	168	1266503	13.551	ng/ul	96
58) Fluorene	15.29	166	4659924	63.894	ng/ul	98
69) Phenanthrene	17.03	178	16506223m	137.506	ng/ul	
71) Anthracene	17.12	178	3693640	30.205	ng/ul	99
76) Fluoranthene	19.06	202	4184734	31.429	ng/ul	98
79) Pyrene	19.43	202	6559633	44.985	ng/ul	98
82) Benzo(a)anthracene	21.20	228	2423817m	17.204	ng/ul	
84) Chrysene	21.25	228	2009951	15.371	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	1047301	8.839	ng/ul	100
88) Benzo(k)fluoranthene	22.80	252	309836m	2.738	ng/ul	
90) Benzo(a)pyrene	23.33	252	1138591	10.223	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	342520	2.782	ng/ul	97
92) Dibenzo(a,h)anthracene	25.60	278	127676	1.222	ng/ul#	77
93) Benzo(g,h,i)perylene	26.26	276	281111	2.761	ng/ul	99

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

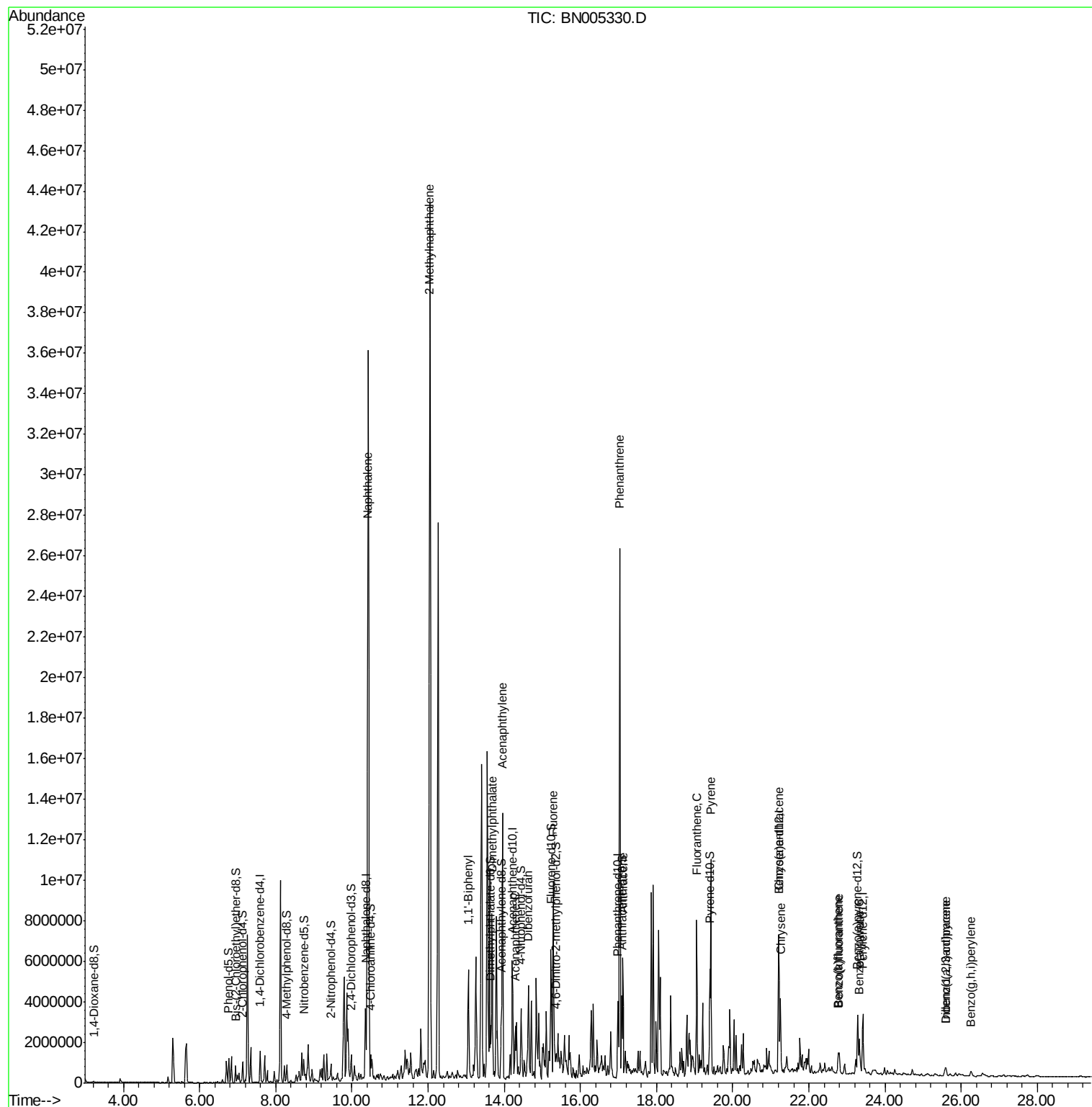
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
Data File : BN005330.D
Acq On : 26 Apr 2019 23:22
Operator : JU/SJ
Sample : K2455-17ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

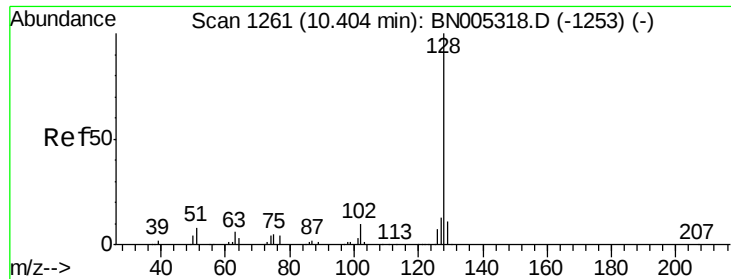
Instrument :
BNA_N
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GAHR7ME

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Quant Time: Apr 27 02:49:20 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





#28

Naphthalene

Concen: 344.208 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

ClientSampleId :

GAHR7ME

Tot Ion:128 Resp:27302473

Ion Ratio Lower Upper

128 100

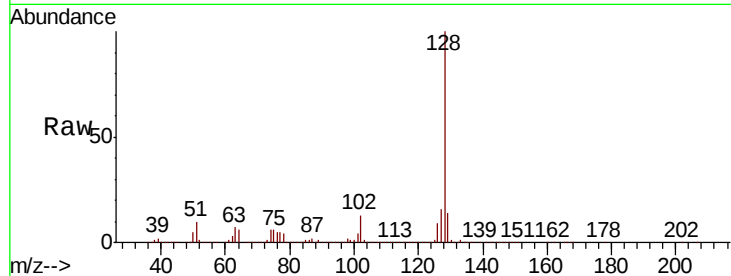
129 14.4 9.2 13.8#

127 16.4 10.7 16.1#

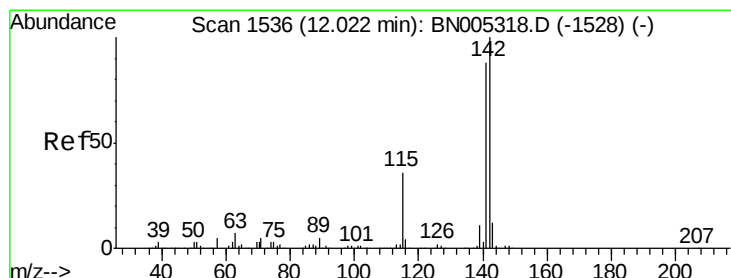
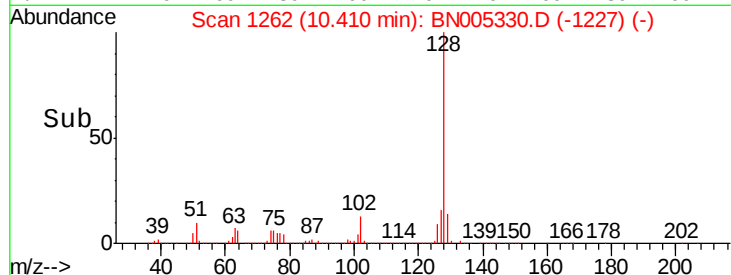
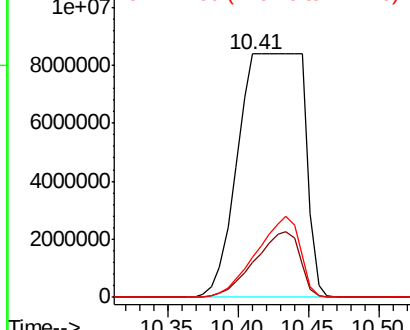
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 427.932 ng/ul m

RT: 12.04 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BN005330.D

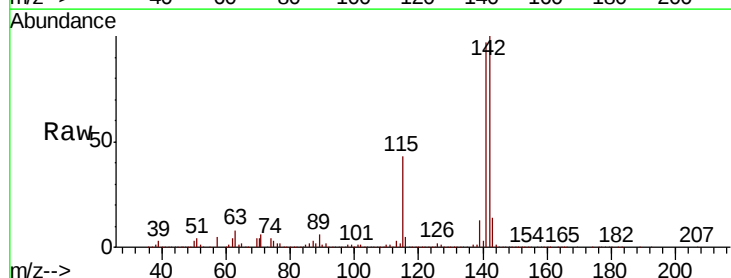
Acq: 26 Apr 2019 23:22

Tgt Ion:142 Resp:24853764

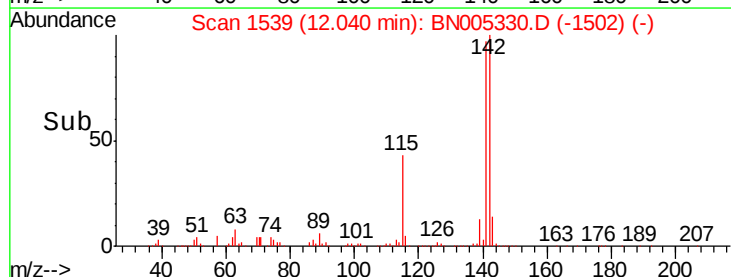
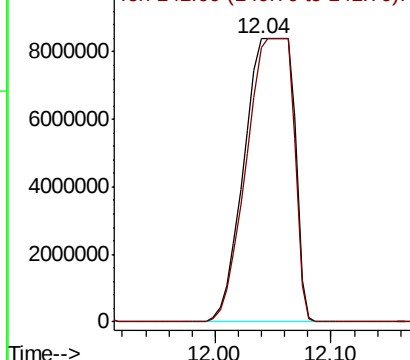
Ion Ratio Lower Upper

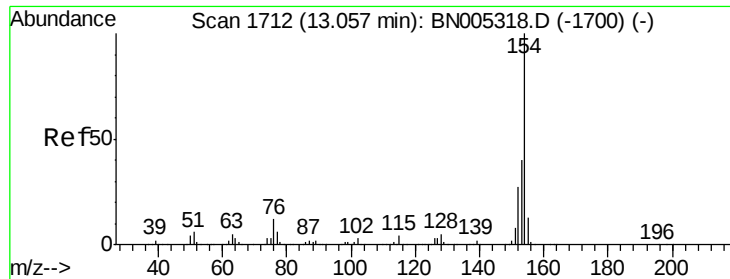
142 100

141 97.0 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





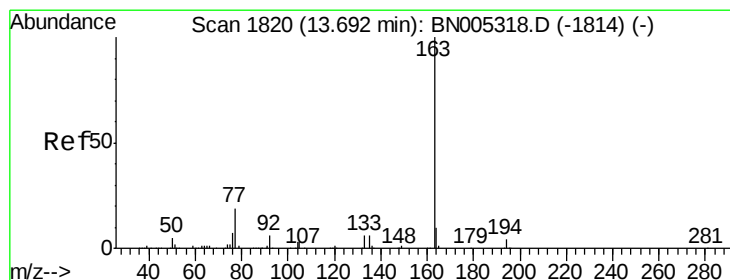
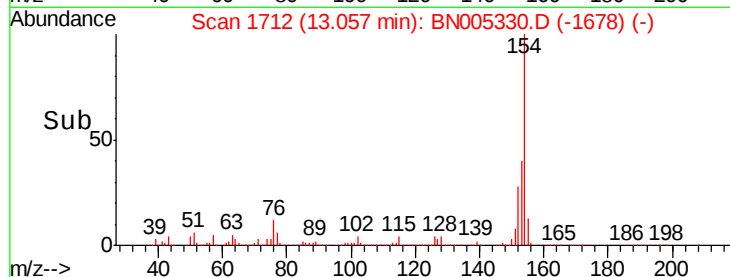
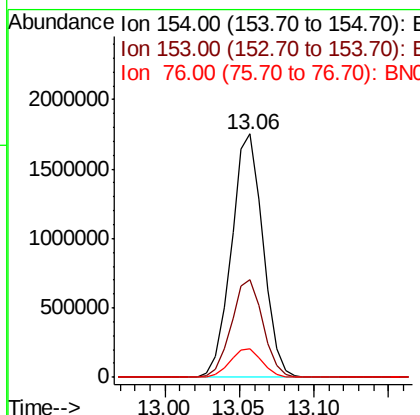
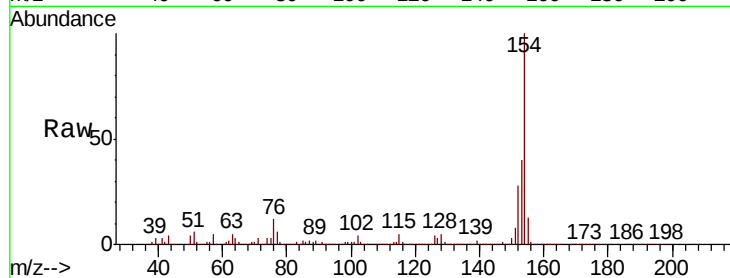
#40
1,1'-Biphenyl
Concen: 31.939 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Instrument :
BNA_N
ClientSampleId :
GAHR7ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.6	49.0
76	11.8	10.4	15.6

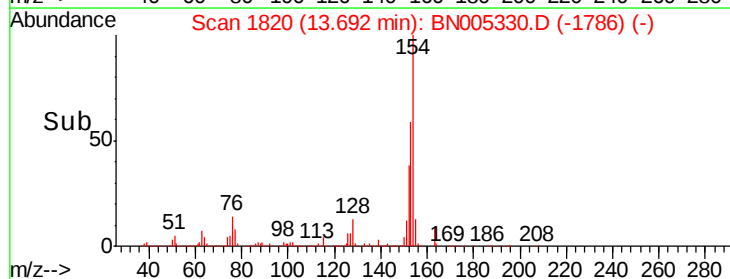
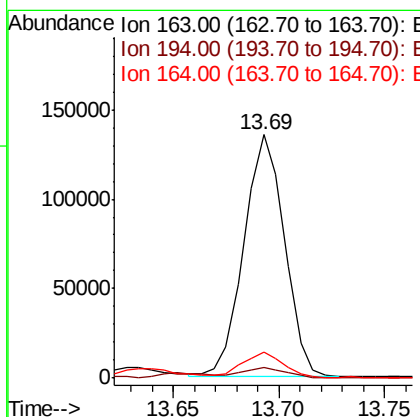
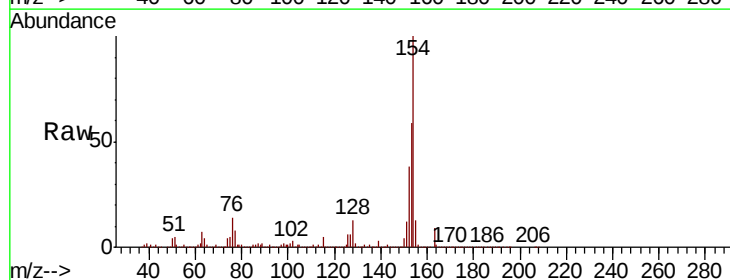
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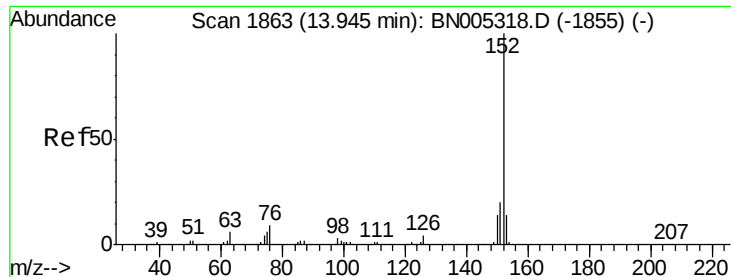
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#44
Dimethylphthalate
Concen: 2.302 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.7	8.1	12.1





#47

Acenaphthylene

Concen: 75.279 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

ClientSampleId :

GAHR7ME

Tot Ion:152 Resp: 7158273

Ion Ratio Lower Upper

152 100

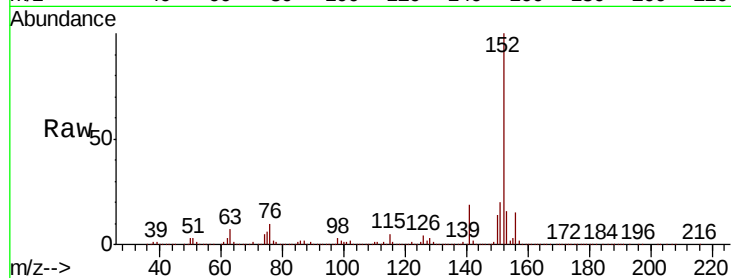
151 20.5 15.8 23.8

153 15.5 9.8 14.8#

Manual Integrations
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4/29/2019 1:43:32 PM

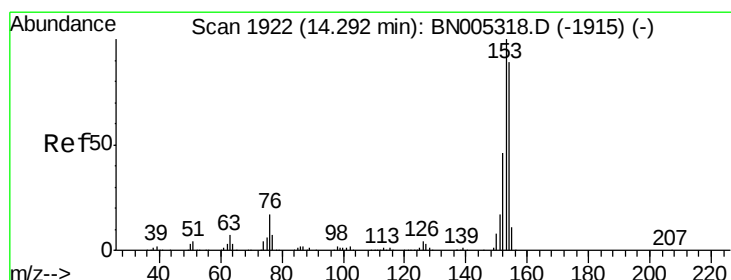
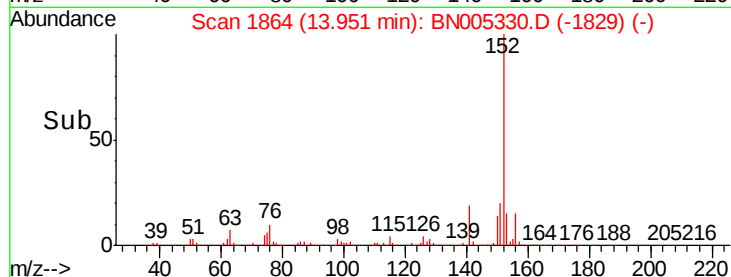
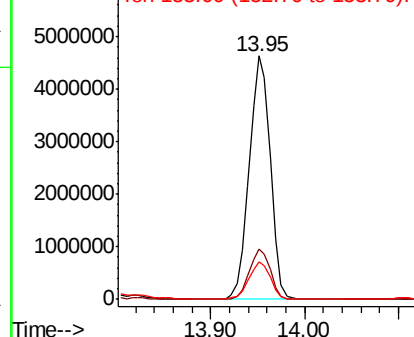


Abundance

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: 13.653 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

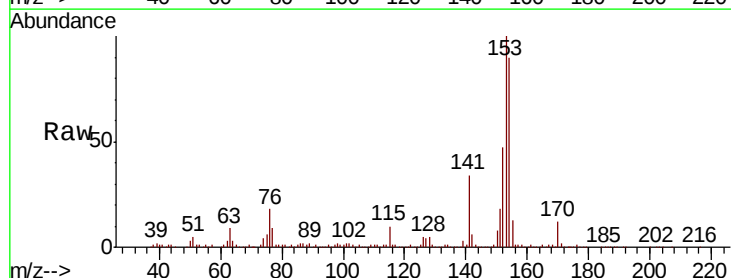
Tgt Ion:153 Resp: 886317

Ion Ratio Lower Upper

153 100

152 47.5 37.4 56.0

154 90.0 71.2 106.8

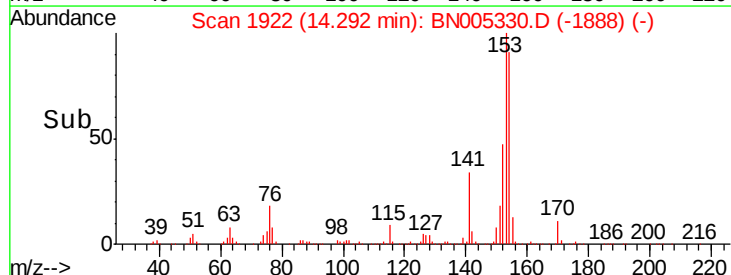
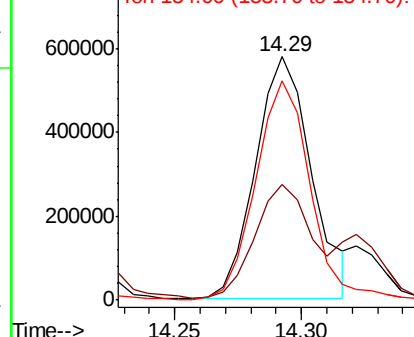


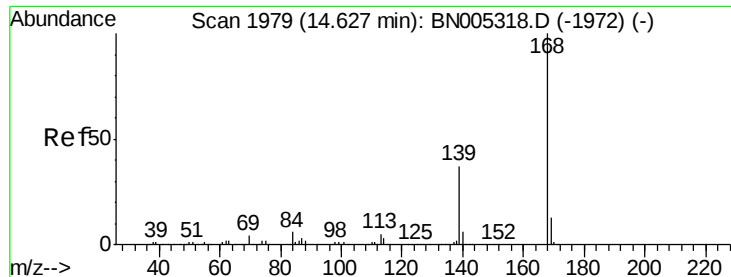
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 13.551 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

ClientSampleId :

GAHR7ME

Tot Ion:168 Resp: 1266503

Ion Ratio Lower Upper

168 100

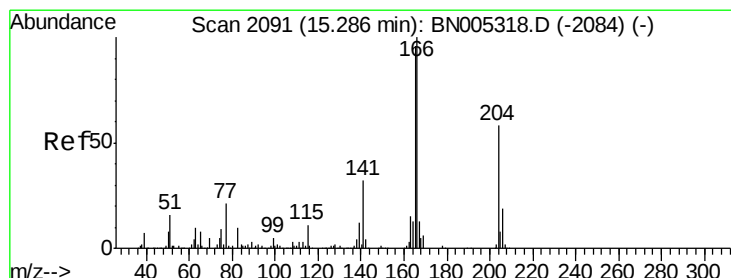
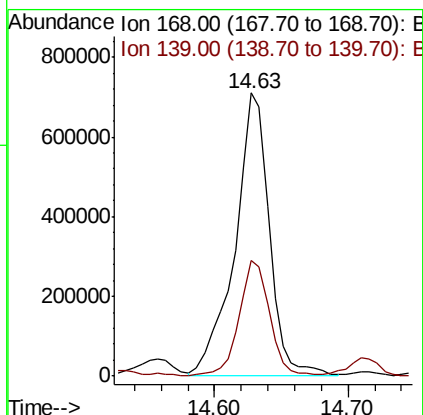
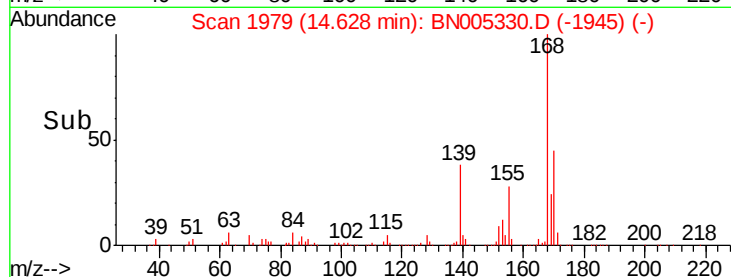
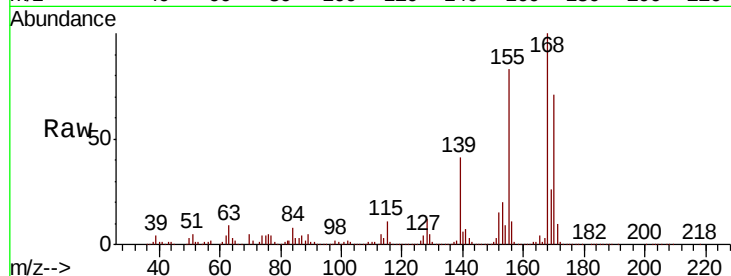
139 41.0 30.9 46.3

Manual Integrations

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4/29/2019 1:43:32 PM



#58

Fluorene

Concen: 63.894 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

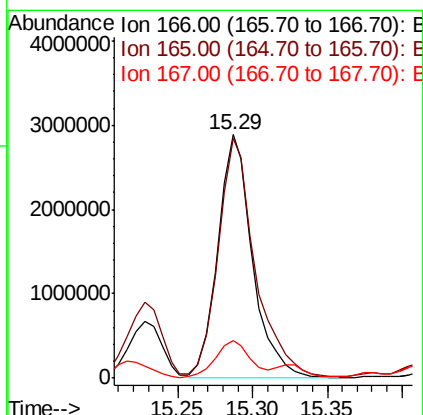
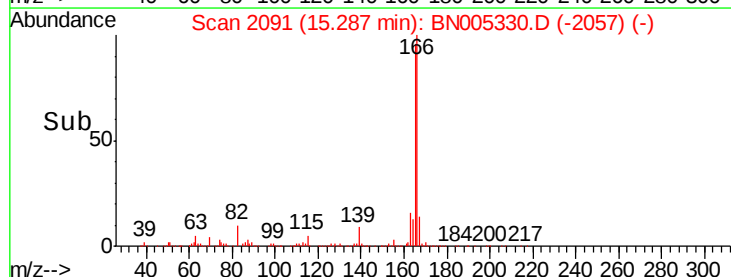
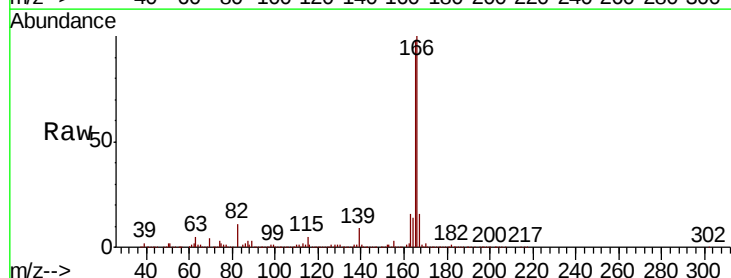
Tgt Ion:166 Resp: 4659924

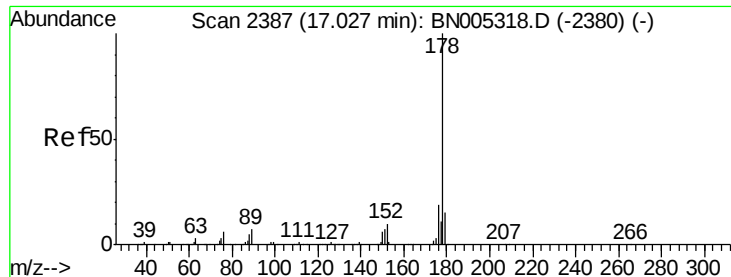
Ion Ratio Lower Upper

166 100

165 98.2 80.0 120.0

167 15.7 10.7 16.1





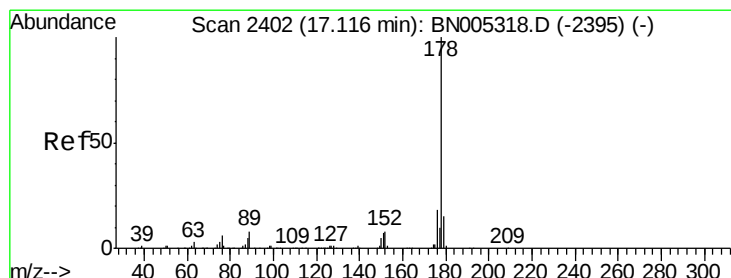
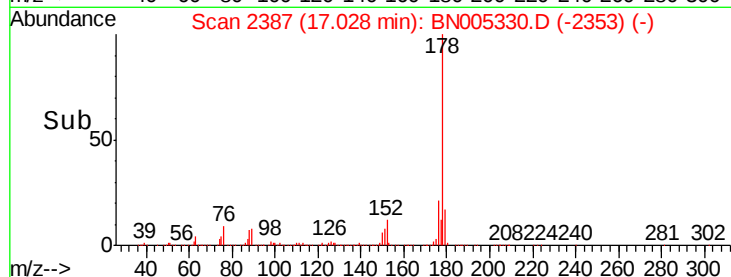
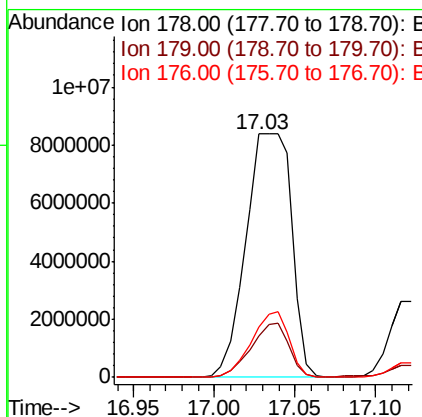
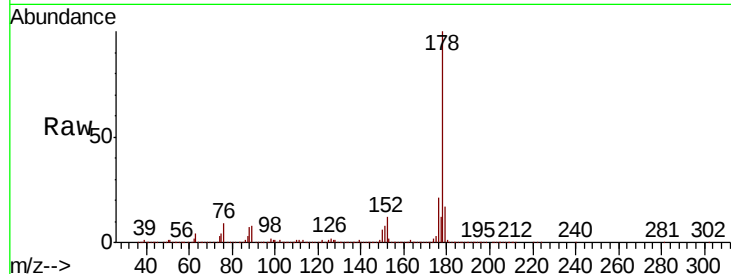
#69
Phenanthrene
Concen: 137.506 ng/ul m
RT: 17.03 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Instrument :
BNA_N
ClientSampleId :
GAHR7ME

Tot Ion:178 Resp:16506223
Ion Ratio Lower Upper
178 100
179 17.2 12.2 18.4
176 20.6 15.1 22.7

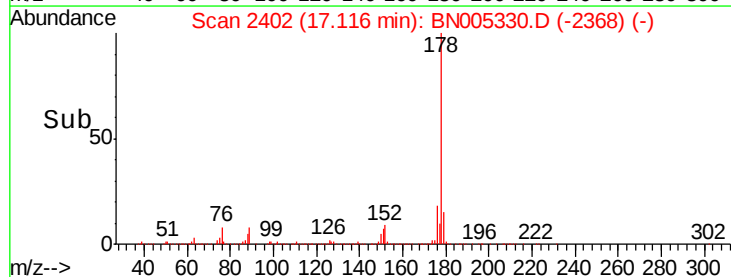
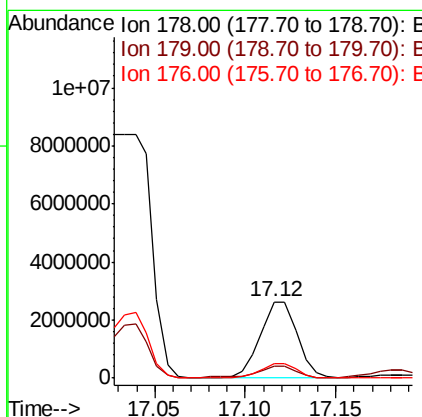
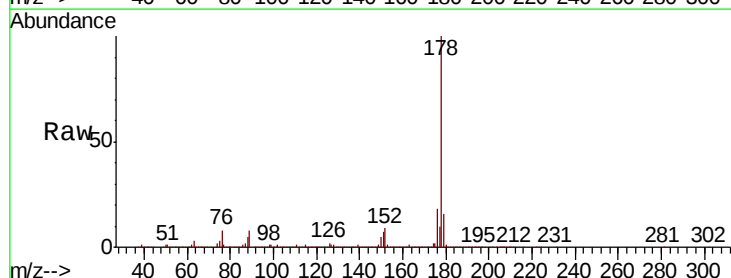
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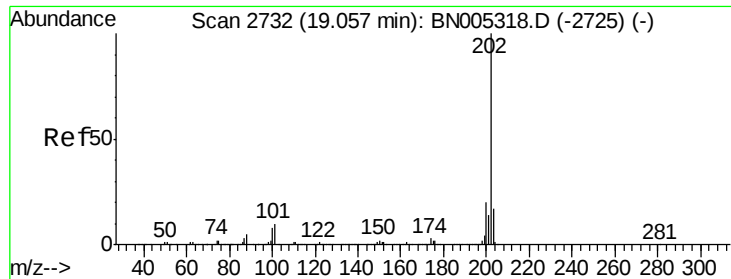
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#71
Anthracene
Concen: 30.205 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Tgt Ion:178 Resp: 3693640
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.3 15.1 22.7





#76

Fluoranthene

Concen: 31.429 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

ClientSampleId :

GAHR7ME

Tot Ion:202 Resp: 4184734

Ion Ratio Lower Upper

202 100

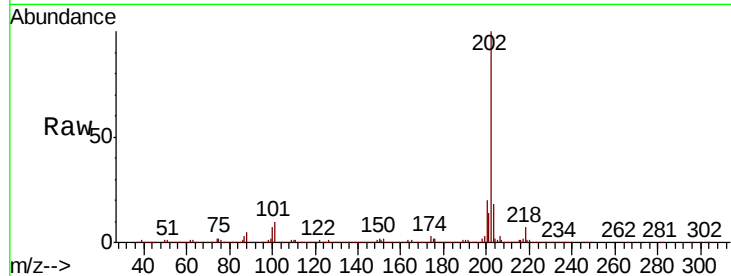
101 9.7 8.6 12.8

100 7.4 6.3 9.5

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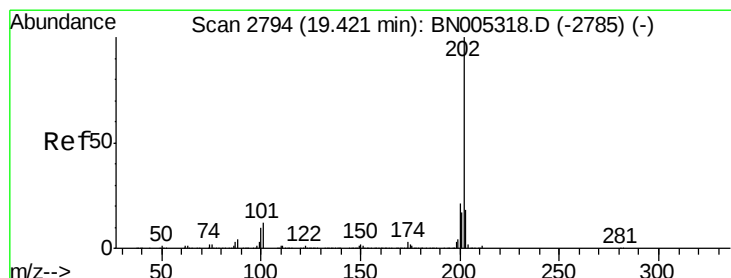
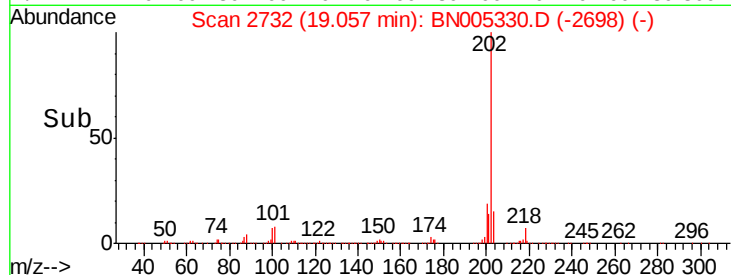
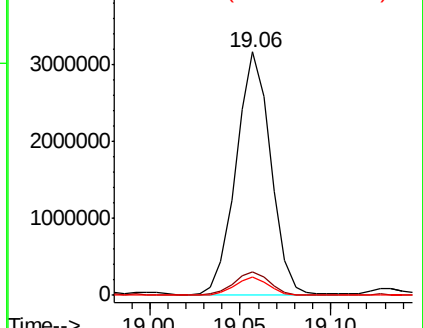
4/29/2019 1:43:32 PM



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: 44.985 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

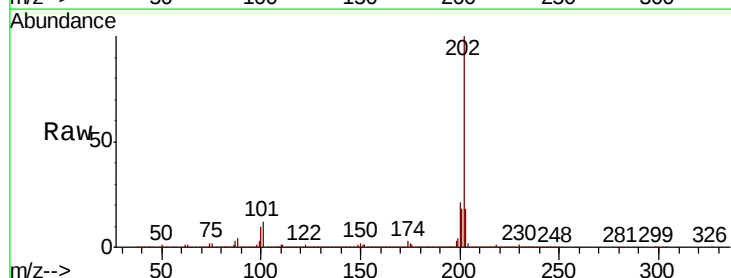
Tgt Ion:202 Resp: 6559633

Ion Ratio Lower Upper

202 100

101 11.9 10.3 15.5

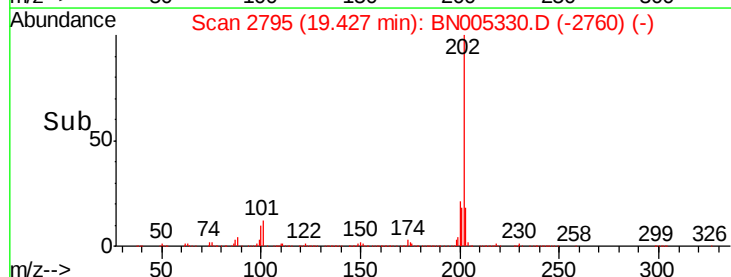
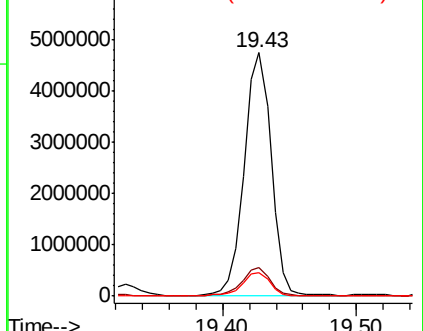
100 9.6 7.9 11.9

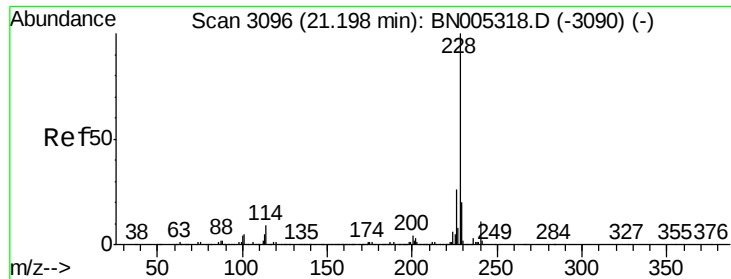


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





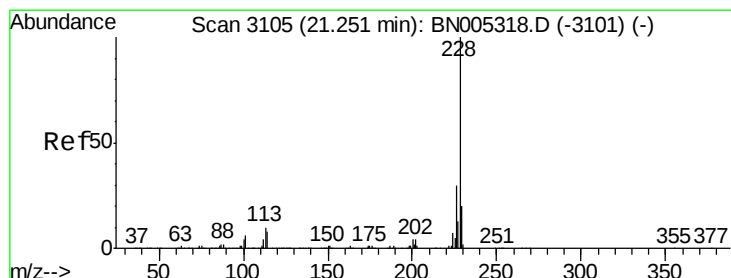
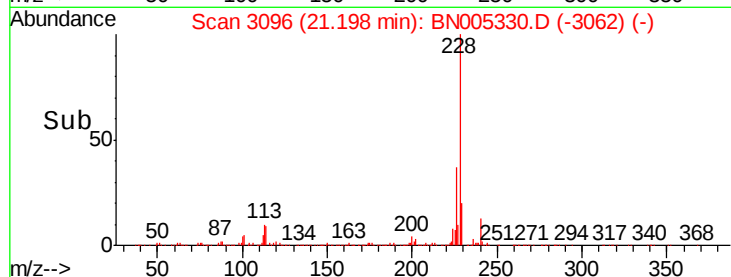
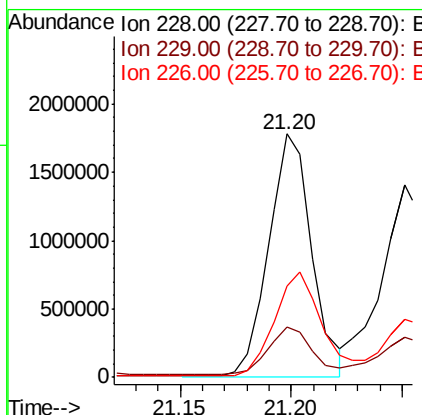
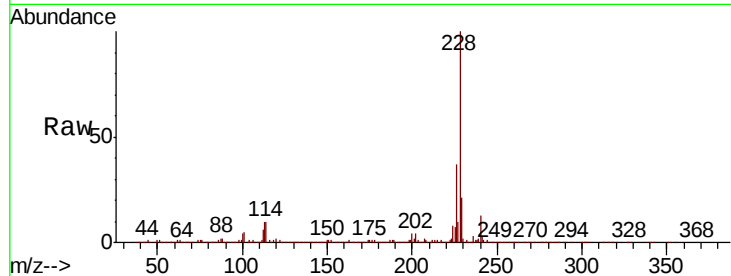
#82
Benzo(a)anthracene
Concen: 17.204 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Instrument :
BNA_N
ClientSampleId :
GAHR7ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	37.4	21.4	32.2

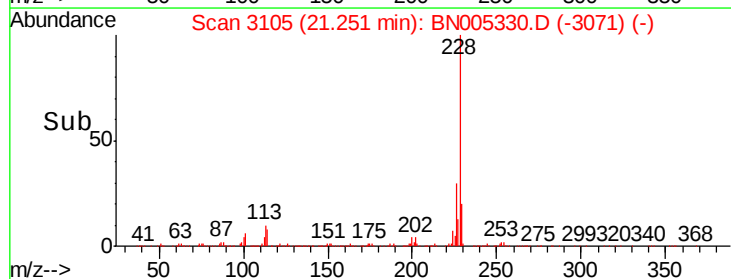
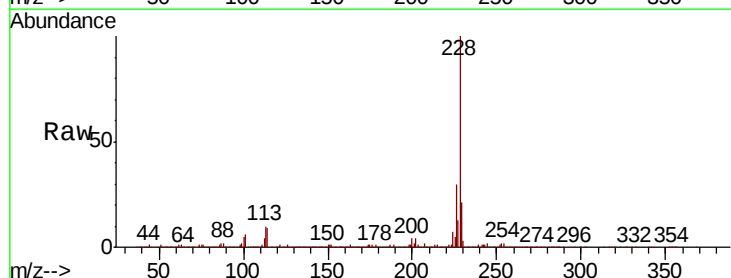
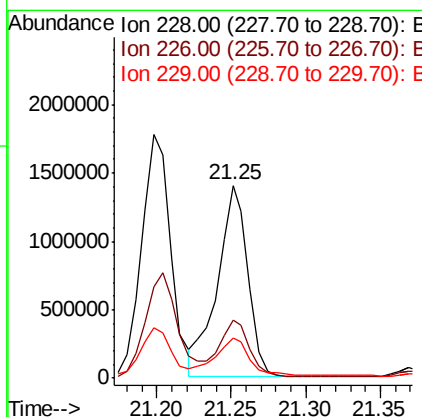
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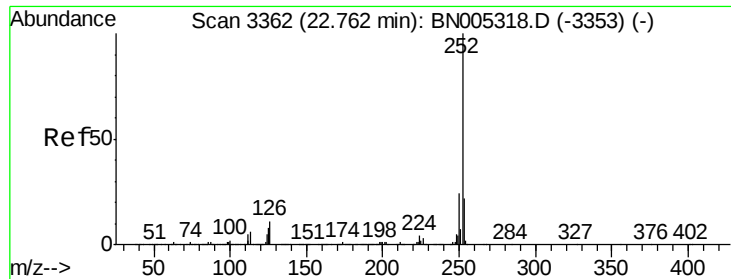
Sohil
4/29/2019 1:43:32 PM



#84
Chrysene
Concen: 15.371 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.0	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 8.839 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

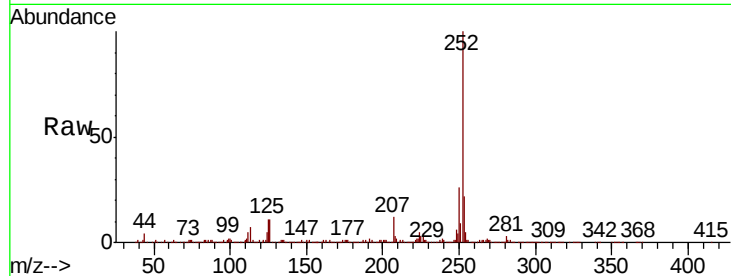
ClientSampled :

GAHR7ME

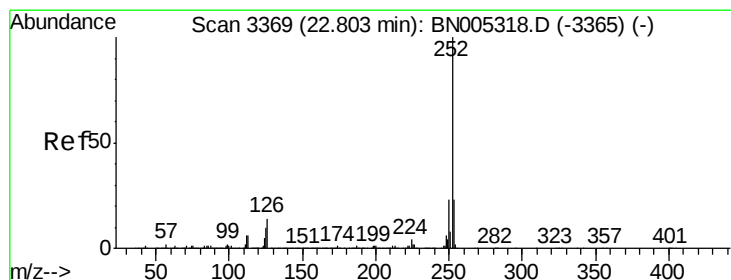
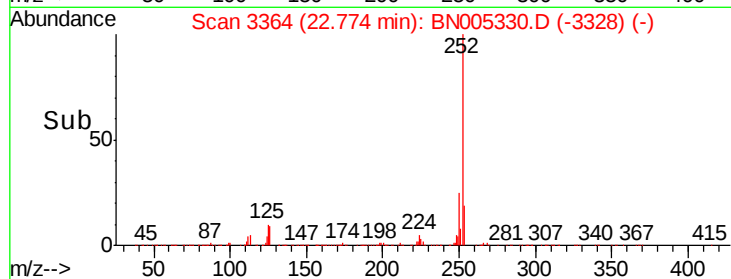
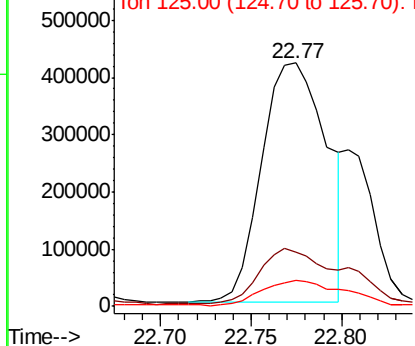
Tot Ion:	252	Resp:	1047301
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.7	26.5
125	10.5	8.4	12.6

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



#88

Benzo(k)fluoranthene

Concen: 2.738 ng/ul m

RT: 22.80 min Scan# 3369

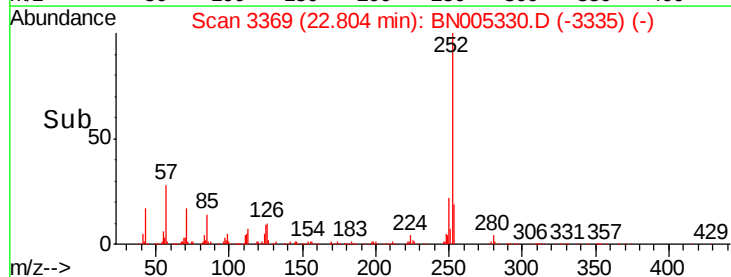
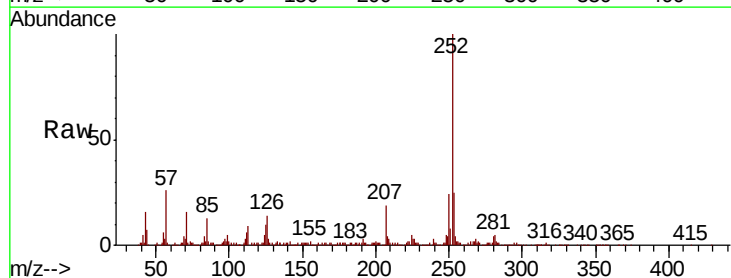
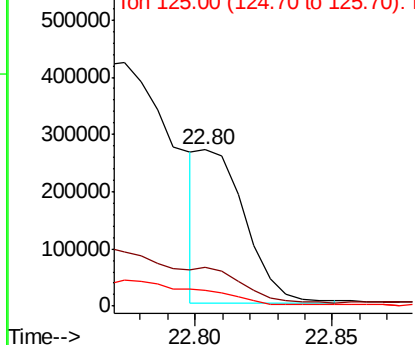
Delta R.T. 0.00 min

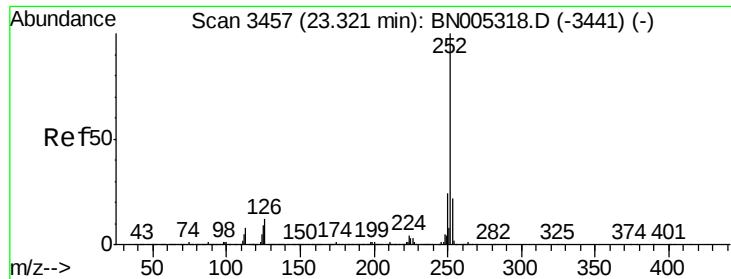
Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Tgt Ion:	252	Resp:	309836
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.4	26.0
125	10.3	7.5	11.3

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





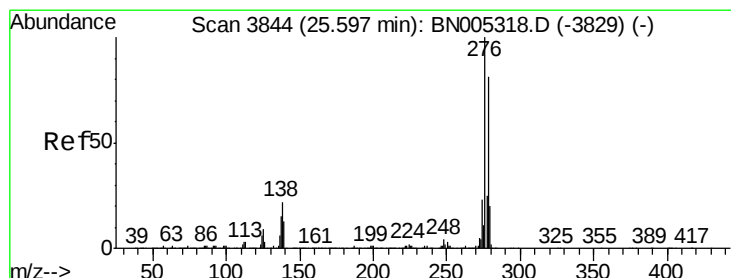
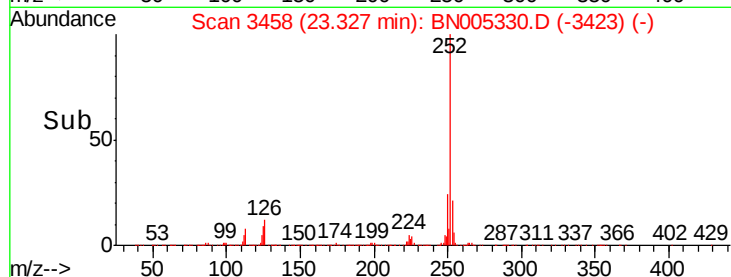
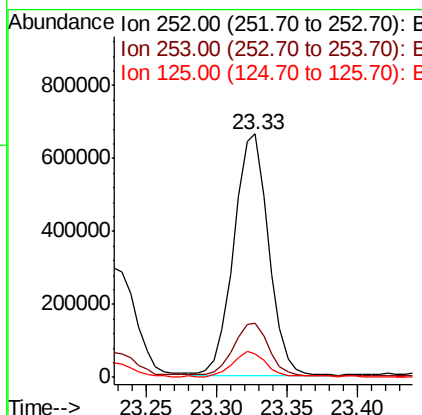
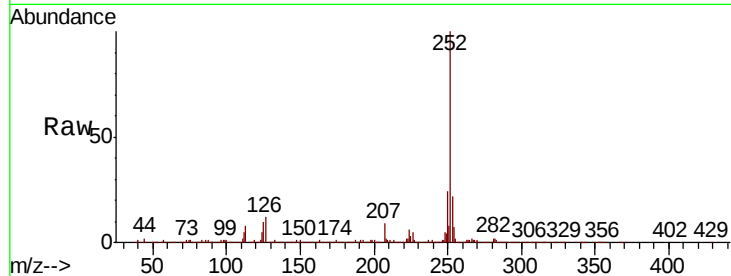
#90
Benzo(a)pyrene
Concen: 10.223 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Instrument :
BNA_N
ClientSampleId :
GAHR7ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	9.6	8.6	13.0

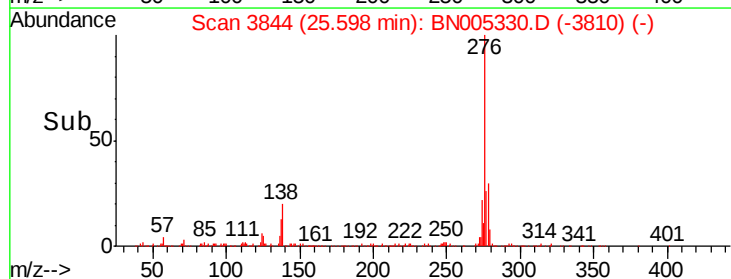
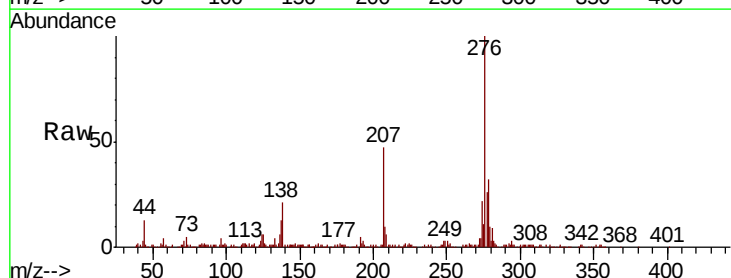
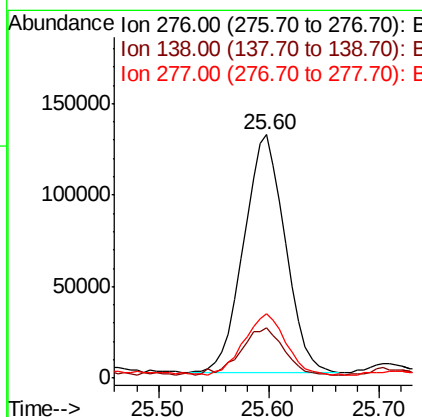
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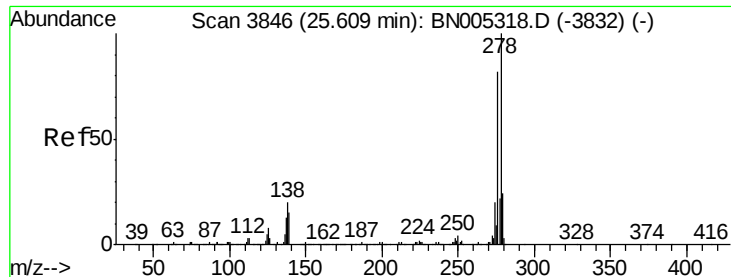
Sohil
4/29/2019 1:43:32 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 2.782 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. 0.00 min
Lab File: BN005330.D
Acq: 26 Apr 2019 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	17.9	26.9
277	26.4	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.222 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Instrument :

BNA_N

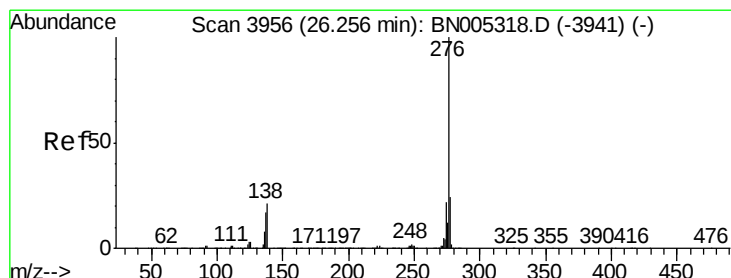
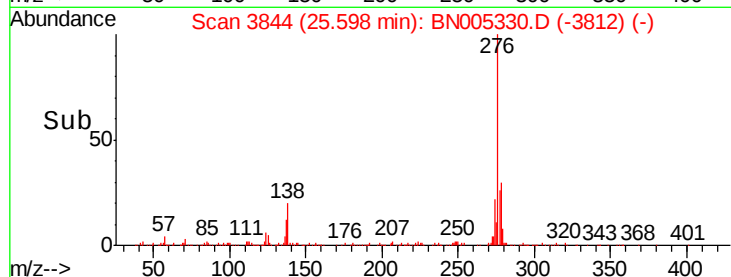
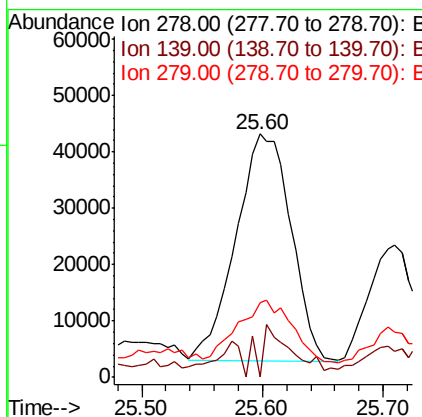
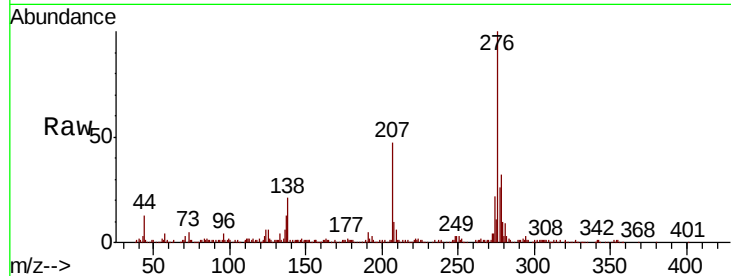
ClientSampleId :

GAHR7ME

Tot Ion:	278	Resp:	127676
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	30.7	19.4	29.0#

Manual Integrations
APPROVED

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4/29/2019 1:43:32 PM



#93

Benzo(g,h,i)perylene

Concen: 2.761 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BN005330.D

Acq: 26 Apr 2019 23:22

Tgt Ion:	276	Resp:	281111
Ion Ratio	Lower	Upper	
276	100		
138	21.5	16.7	25.1
277	23.1	18.2	27.2

