

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62

Manual Integrations
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Quant Time: May 03 07:51:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	375816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1637906	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	985554	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2088493	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1589934	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1752637	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2324	0.30	ng/uL	0.00
5) Phenol-d5	6.77	99	55045	1.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	36642	1.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	47153	2.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	47694	2.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	28098	2.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	25944	2.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	51728	2.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	150233	6.22	ng/ul	-0.02
43) Dimethylphthalate-d6	13.64	166	192509	2.69	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	223041	2.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	16745m	1.48	ng/ul	0.02
57) Fluorene-d10	15.23	176	168770	2.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	4816	0.51	ng/ul	0.01
70) Anthracene-d10	17.08	188	246134	2.81	ng/ul	0.00
78) Pyrene-d10	19.39	212	246017	3.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	210050	2.74	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	23402003m	307.340	ng/ul
34) 2-Methylnaphthalene	12.03	142	7992343	143.352	ng/ul 99
40) 1,1'-Biphenyl	13.05	154	1206721	16.433	ng/ul 97
44) Dimethylphthalate	13.69	163	71671	1.005	ng/ul# 96
47) Acenaphthylene	13.95	152	3991457	46.222	ng/ul 97
49) Acenaphthene	14.29	153	3117432	52.880	ng/ul 99
53) Dibenzofuran	14.63	168	707250	8.332	ng/ul 99
58) Fluorene	15.29	166	4105299	61.983	ng/ul 98
69) Phenanthrene	17.03	178	15520668m	152.593	ng/ul
71) Anthracene	17.12	178	4768808	46.024	ng/ul 99
74) Carbazole	17.39	167	272508	3.062	ng/ul 97
76) Fluoranthene	19.06	202	7454186	66.072	ng/ul 96
79) Pyrene	19.43	202	10125331	98.908	ng/ul 98
82) Benzo(a)anthracene	21.20	228	3488695m	35.271	ng/ul
84) Chrysene	21.25	228	3041314	33.131	ng/ul 99
87) Benzo(b)fluoranthene	22.77	252	2372017	24.076	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	719922m	7.651	ng/ul
90) Benzo(a)pyrene	23.32	252	2749827m	29.694	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.59	276	1108689	10.829	ng/ul# 94
92) Dibenzo(a,h)anthracene	25.60	278	323158m	3.719	ng/ul
93) Benzo(a,h,i)perylene	26.26	276	1112107	13.136	ng/ul 95

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

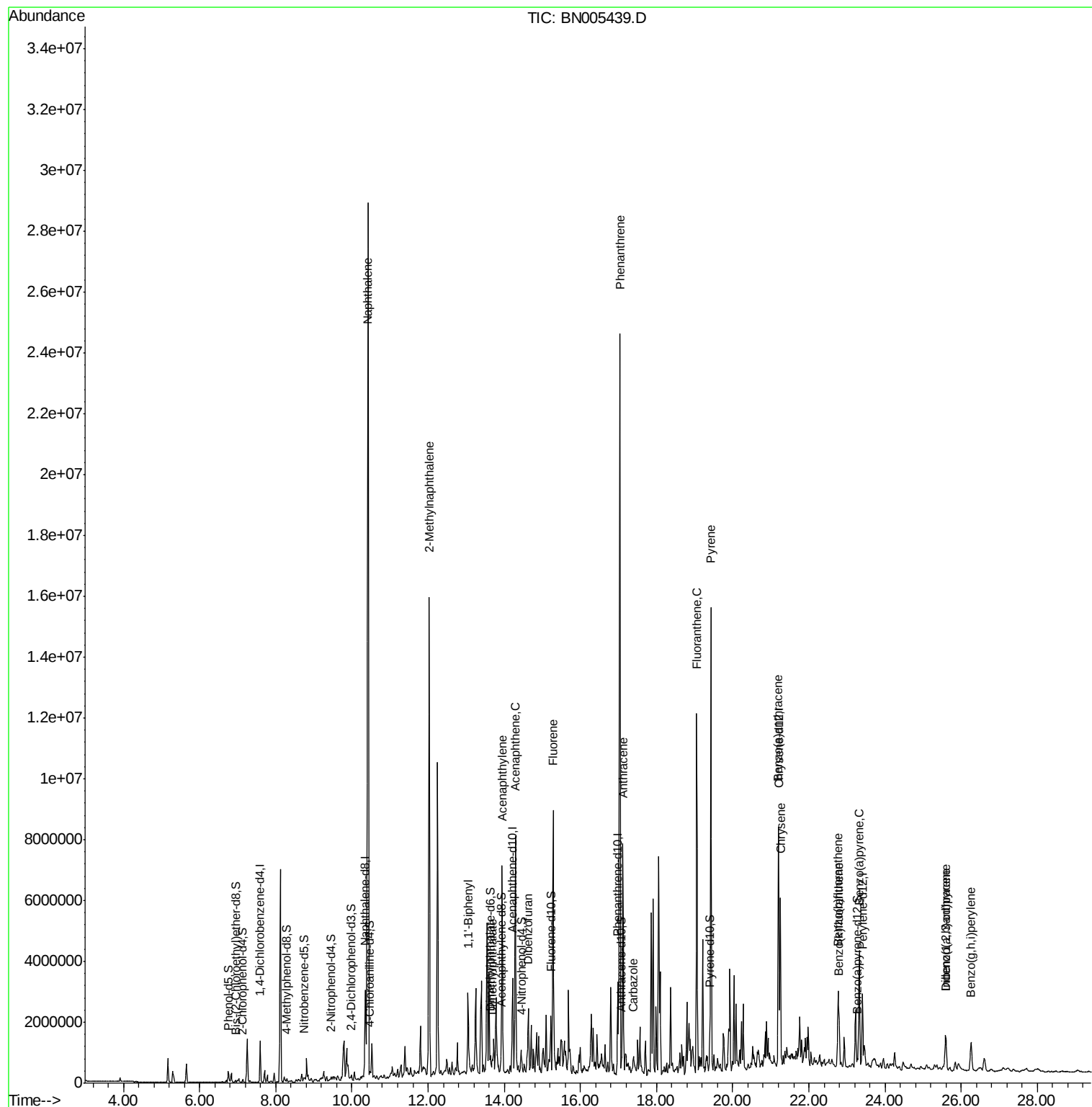
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Operator : JU/SJ
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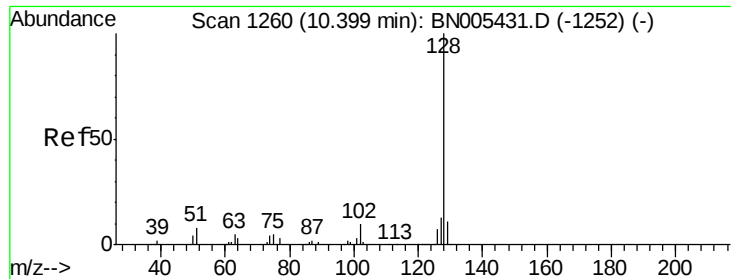
Instrument :
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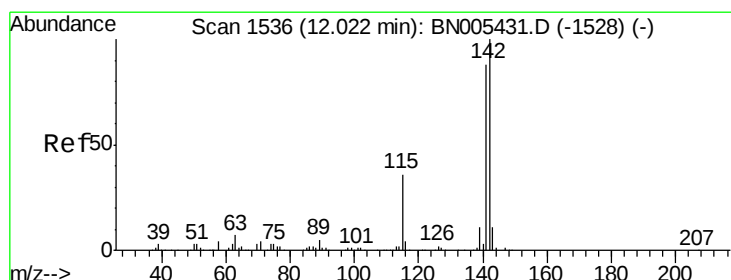
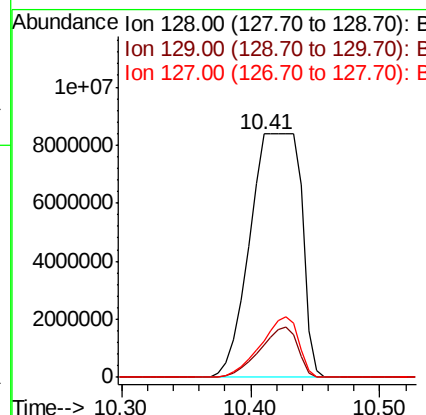
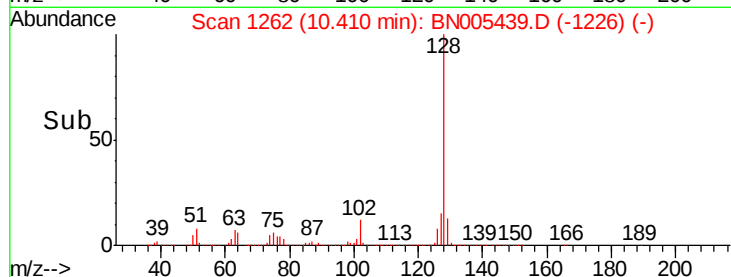
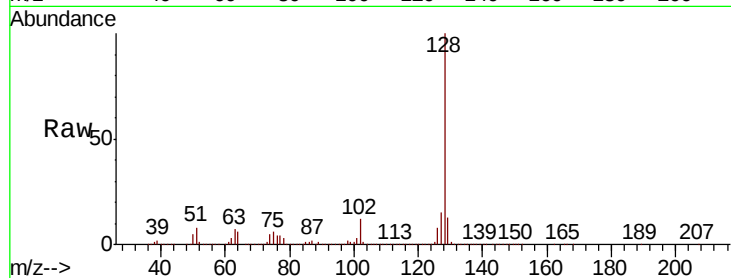
#28
Naphthalene
Concen: 307.340 ng/ul m
RT: 10.41 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
BNA_N
ClientSampleId :
GAJ62

Tot Ion:128 Resp:23402003
Ion Ratio Lower Upper
128 100
129 13.1 9.2 13.8
127 15.1 10.7 16.1

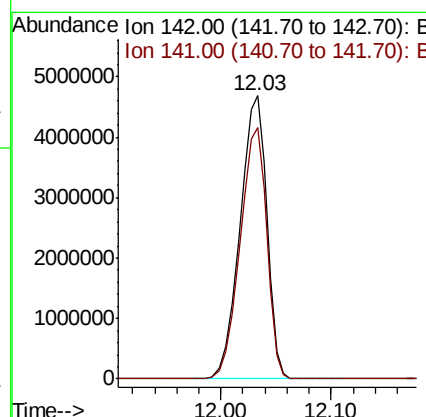
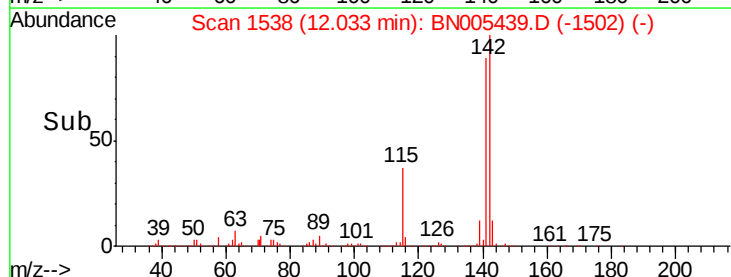
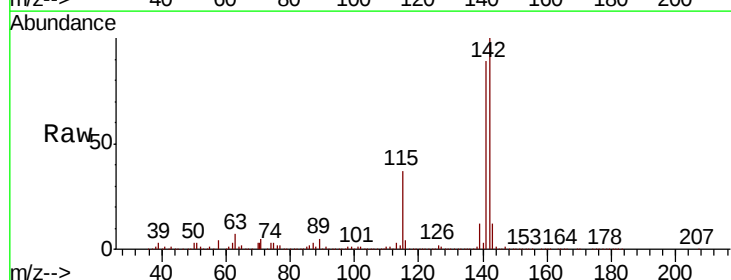
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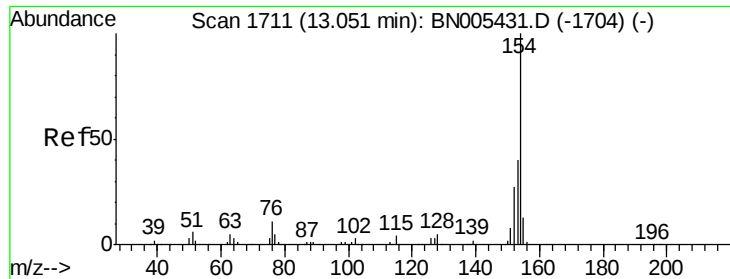
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#34
2-Methylnaphthalene
Concen: 143.352 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Tgt Ion:142 Resp: 7992343
Ion Ratio Lower Upper
142 100
141 88.6 72.0 108.0





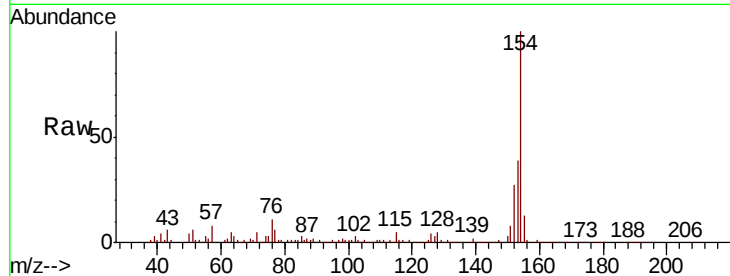
#40
 1,1'-Biphenyl
 Concen: 16.433 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005439.D
 Acq: 03 May 2019 05:22

Instrument :
 BNA_N
 ClientSampled :
 GAJ62

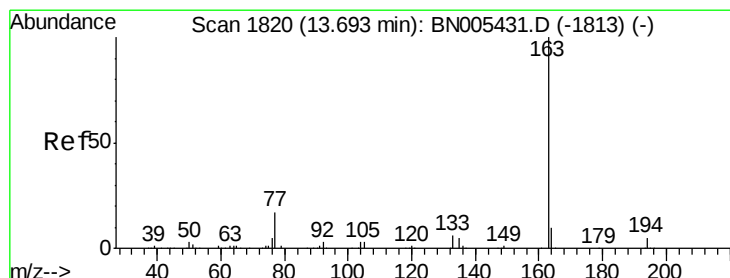
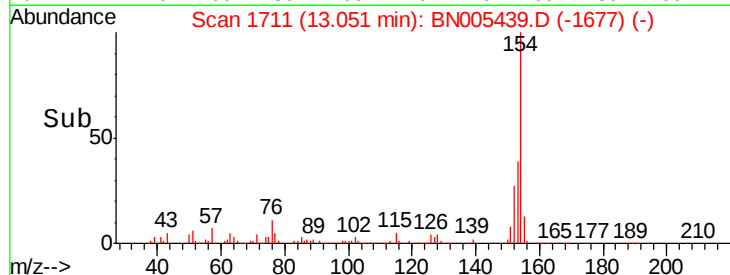
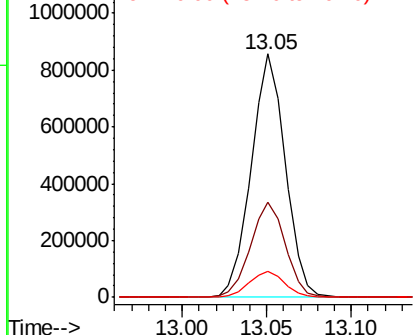
Tot Ion	154	Resp	1206721
Ion	Ratio	Lower	Upper
154	100		
153	39.3	32.6	49.0
76	10.8	10.4	15.6

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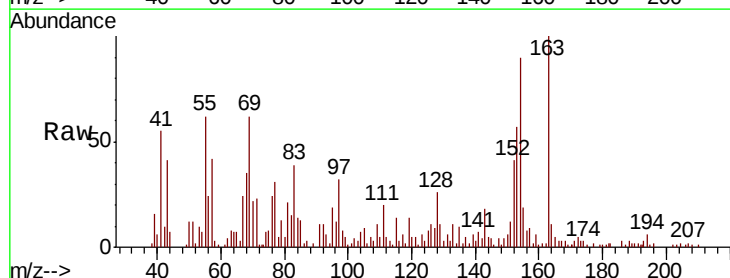


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNO

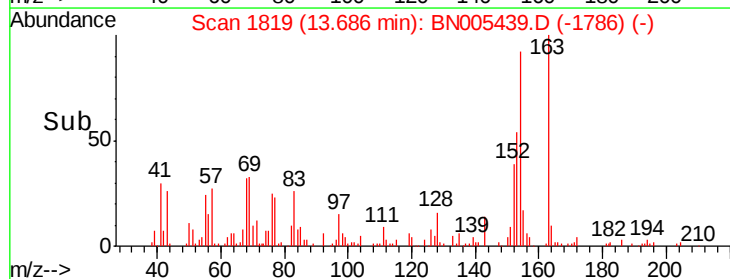
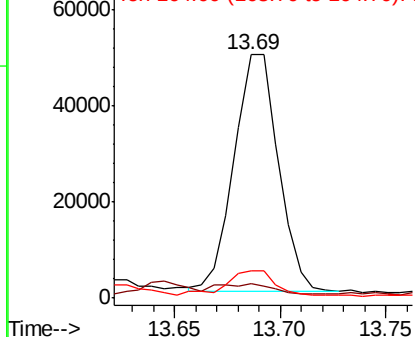


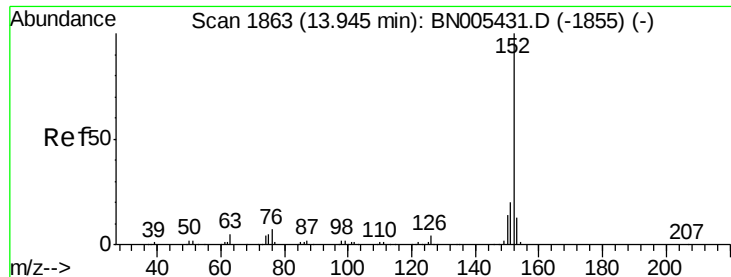
#44
 Dimethylphthalate
 Concen: 1.005 ng/ul
 RT: 13.69 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BN005439.D
 Acq: 03 May 2019 05:22

Tgt Ion	163	Resp	71671
Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.4	5.0#
164	11.3	8.1	12.1



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





#47

Acenaphthylene

Concen: 46.222 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN005439.D

Acq: 03 May 2019 05:22

Instrument :

BNA_N

ClientSampleId :

GAJ62

Tot Ion:152 Resp: 3991457

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	14.7	9.8	14.8

152 100

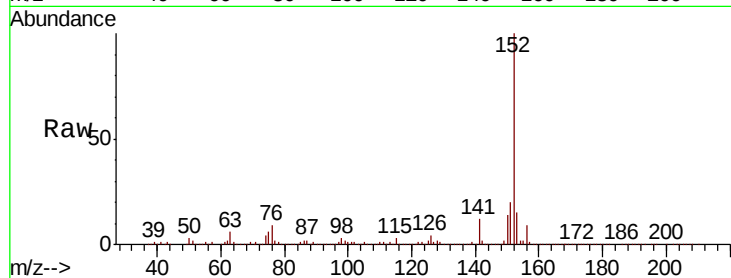
151 20.0 15.8 23.8

153 14.7 9.8 14.8

Manual Integrations
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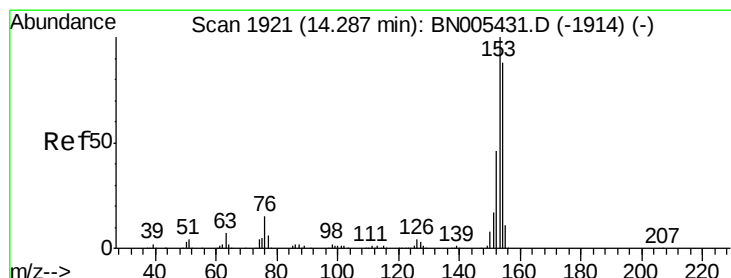
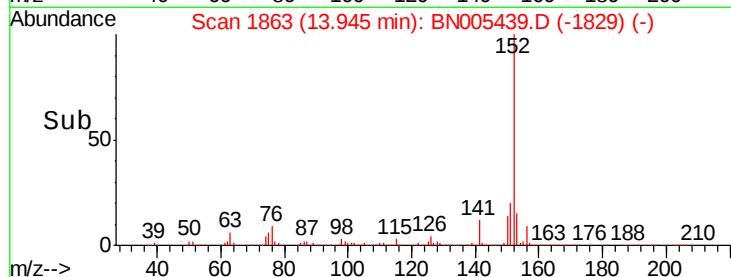
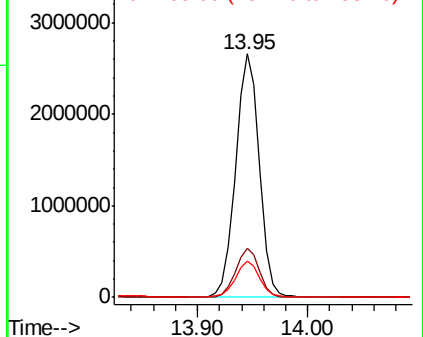


Abundance

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: 52.880 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BN005439.D

Acq: 03 May 2019 05:22

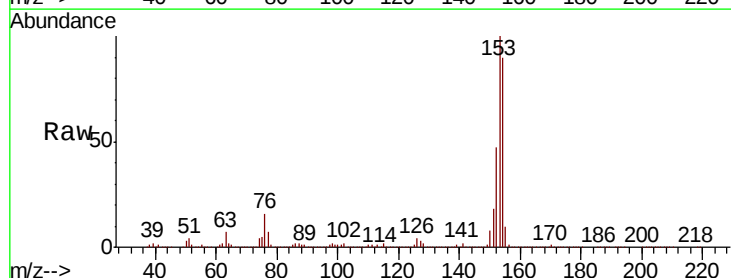
Tgt Ion:153 Resp: 3117432

Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.4	56.0
154	90.0	71.2	106.8

153 100

152 47.0 37.4 56.0

154 90.0 71.2 106.8

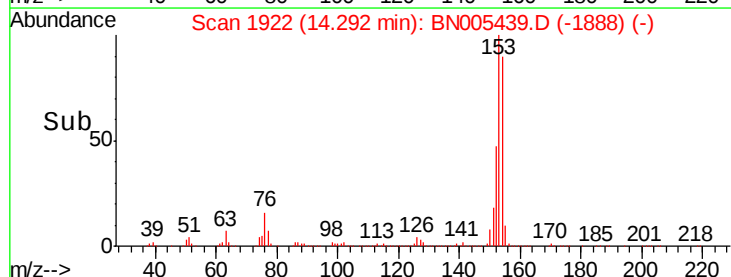
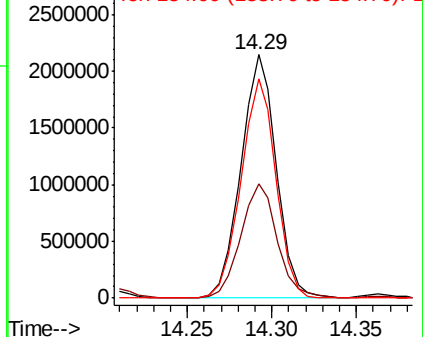


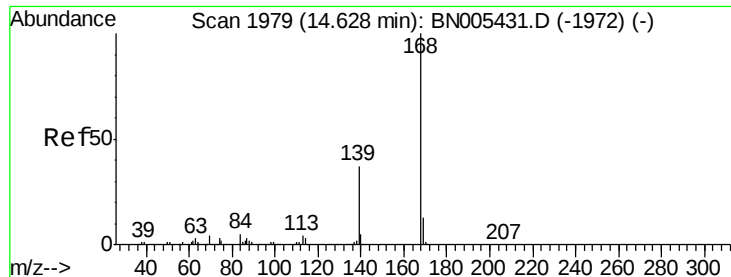
Abundance

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





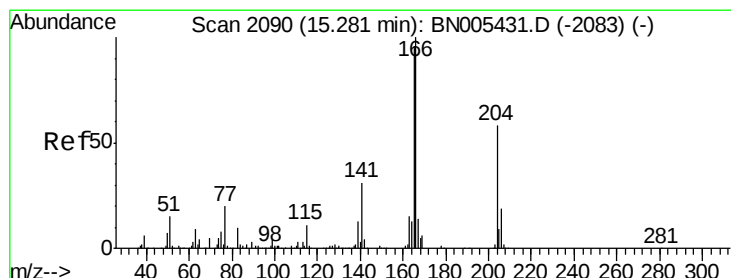
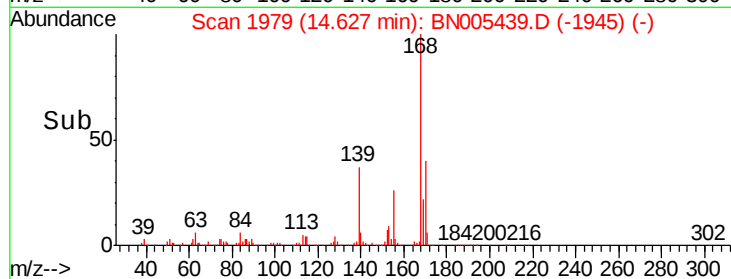
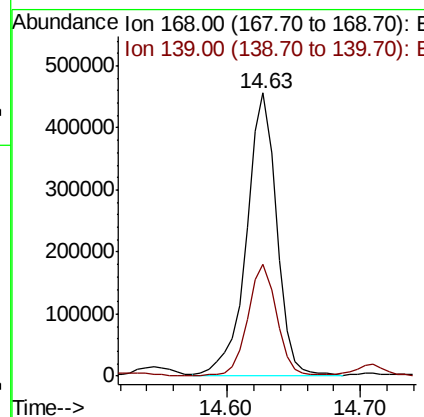
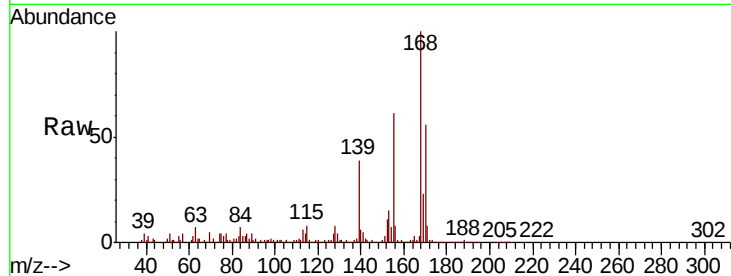
#53
Dibenzenofuran
Concen: 8.332 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
BNA_N
ClientSampled :
GAJ62

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.9	46.3

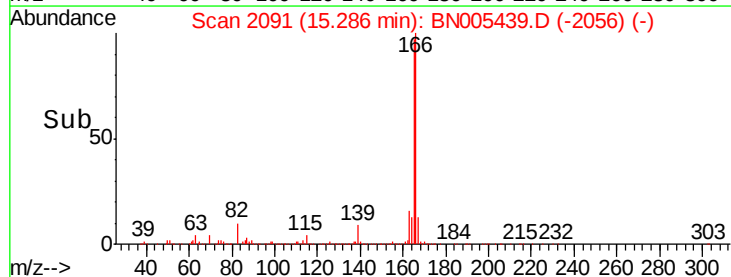
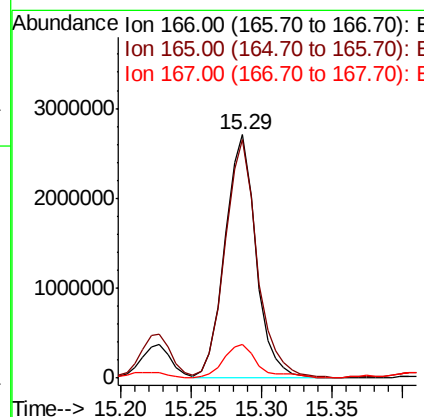
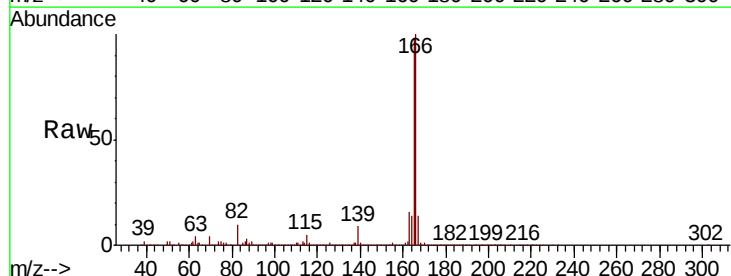
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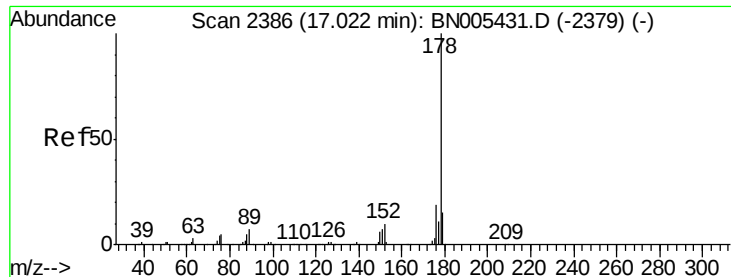
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#58
Fluorene
Concen: 61.983 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	80.0	120.0
167	13.6	10.7	16.1





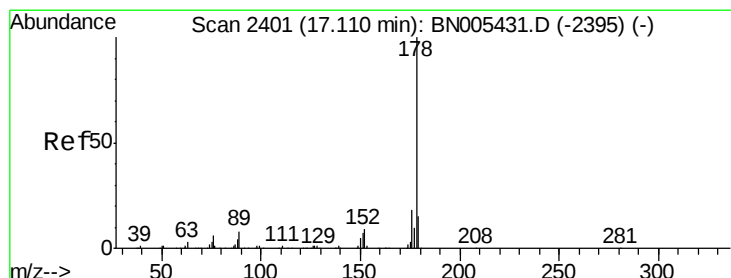
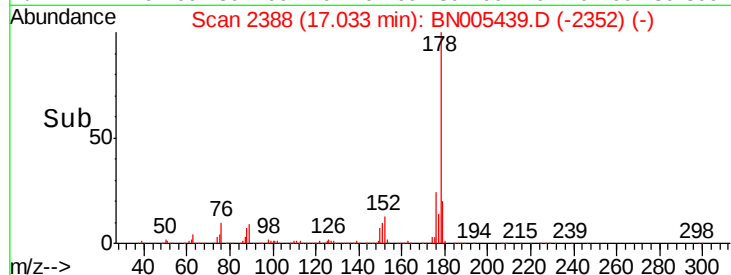
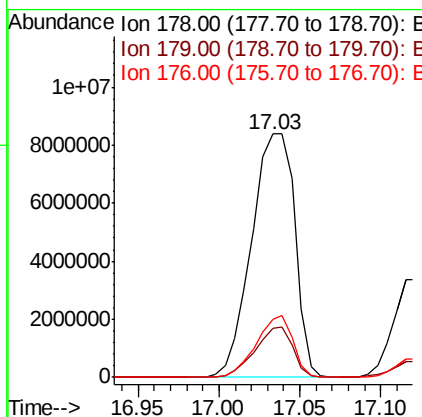
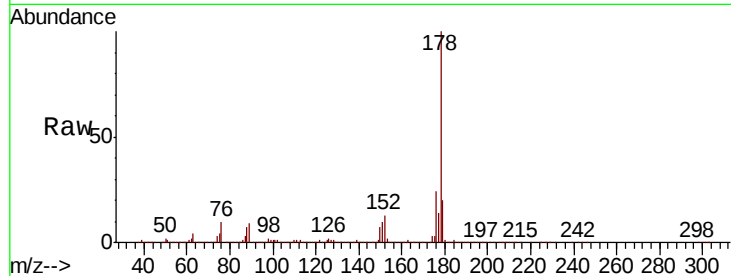
#69
Phenanthrene
Concen: 152.593 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
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ClientSampled :
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Tot Ion:178 Resp:15520668
Ion Ratio Lower Upper
178 100
179 20.0 12.2 18.4#
176 24.0 15.1 22.7#

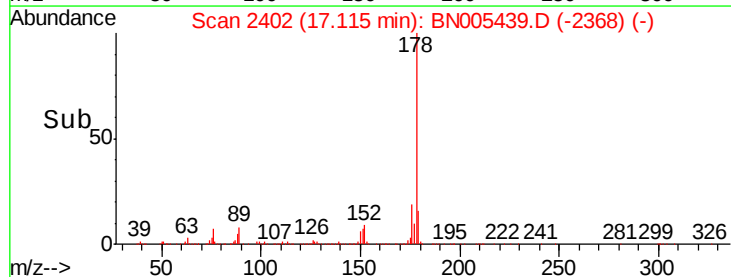
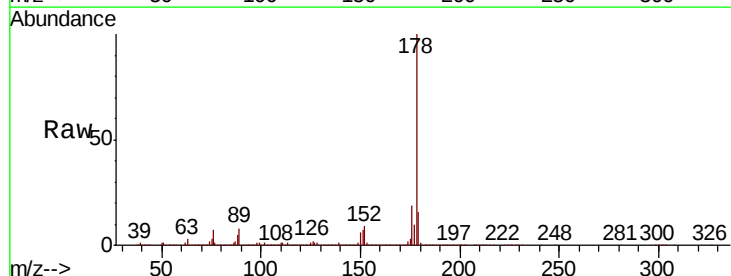
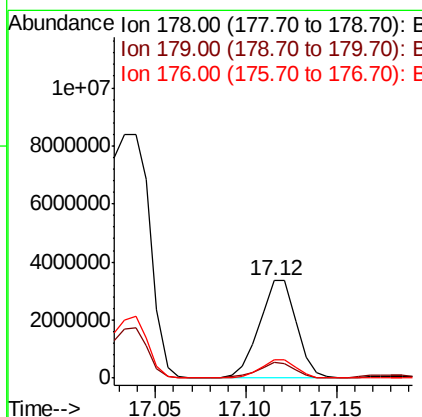
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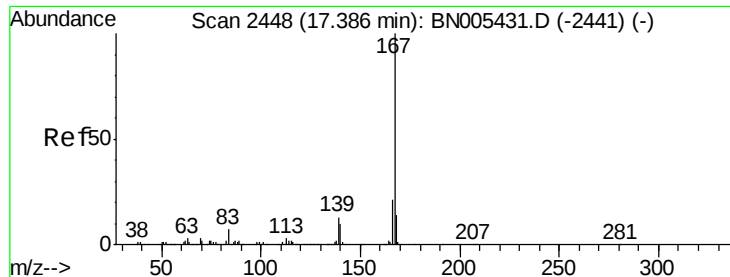
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#71
Anthracene
Concen: 46.024 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. -0.00 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Tgt Ion:178 Resp: 4768808
Ion Ratio Lower Upper
178 100
179 16.0 12.3 18.5
176 18.6 15.1 22.7





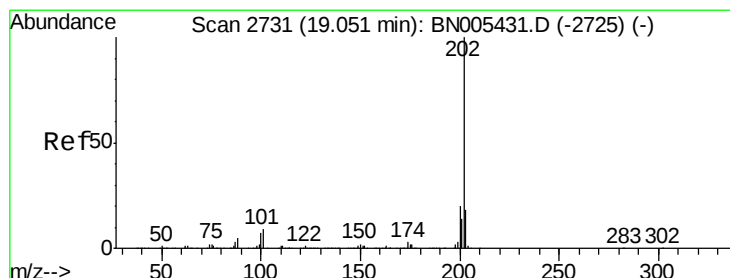
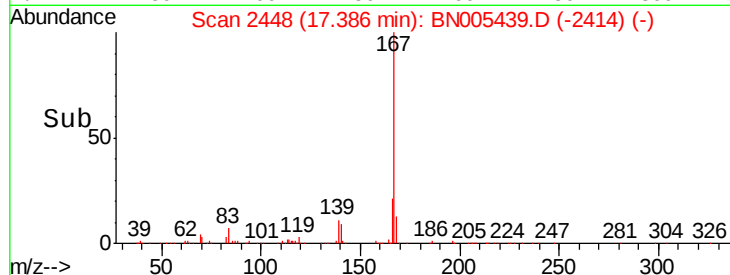
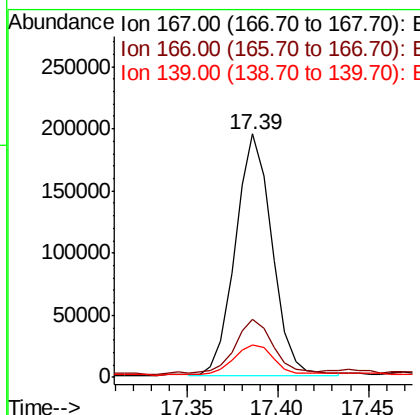
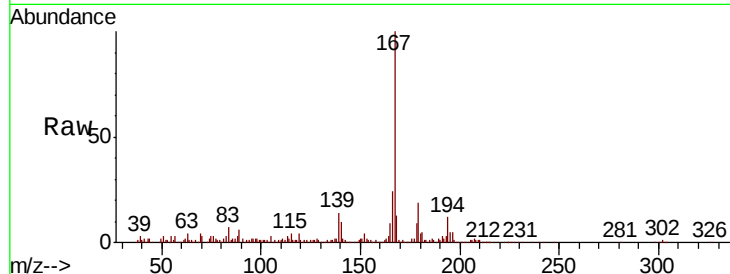
#74
 Carbazole
 Concen: 3.062 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BN005439.D
 Acq: 03 May 2019 05:22

Instrument :
 BNA_N
 ClientSampled :
 GAJ62

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.2	25.8
139	13.5	10.6	16.0

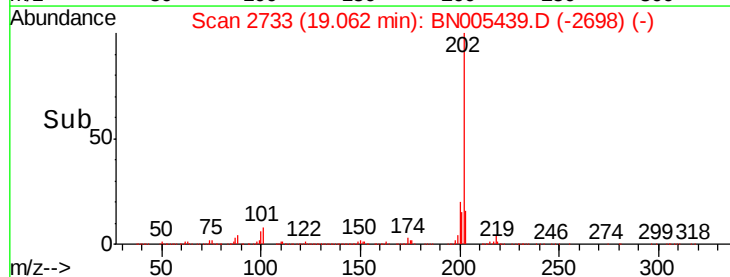
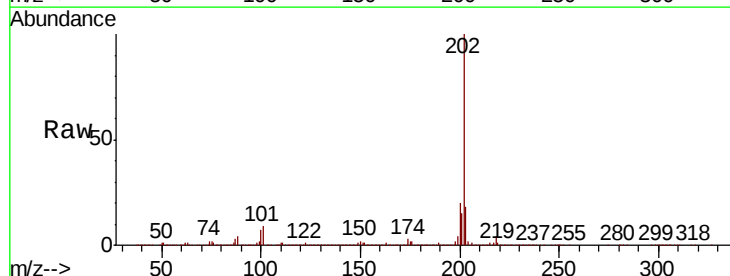
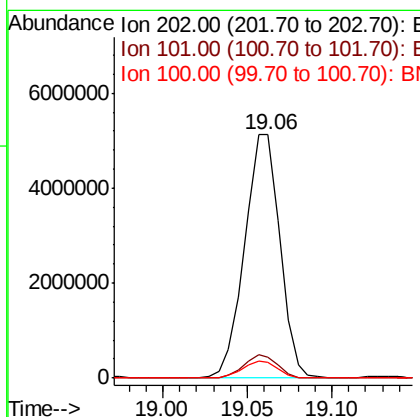
Manual Integrations
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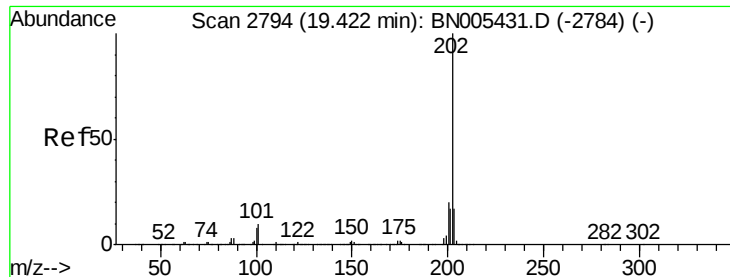
Sohil
 5/3/2019 4:57:37 PM



#76
 Fluoranthene
 Concen: 66.072 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005439.D
 Acq: 03 May 2019 05:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.6	12.8
100	6.6	6.3	9.5





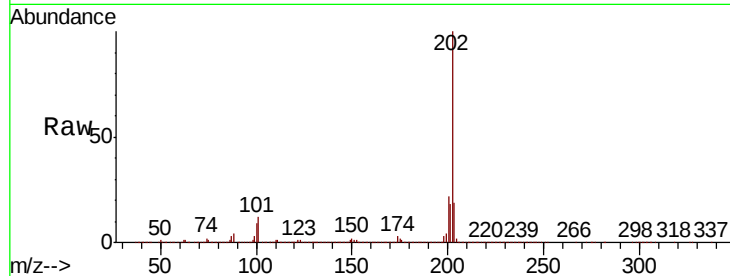
#79
Pvrene
Concen: 98.908 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
BNA_N
ClientSampleId :
GAJ62

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.3	15.5
100	9.5	7.9	11.9

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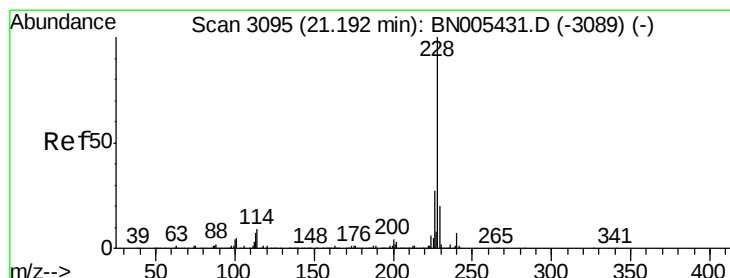
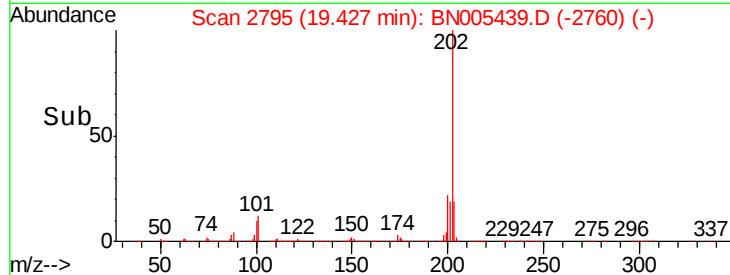
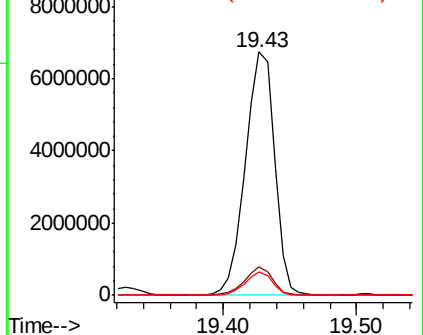


Abundance

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



#82
Benzo(a)anthracene
Concen: 35.271 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

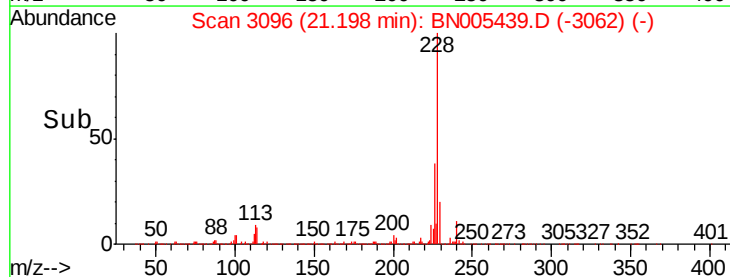
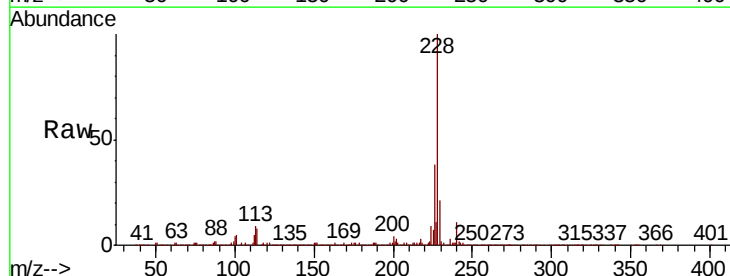
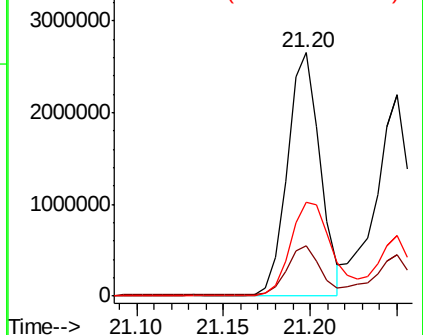
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	38.4	21.4	32.2#

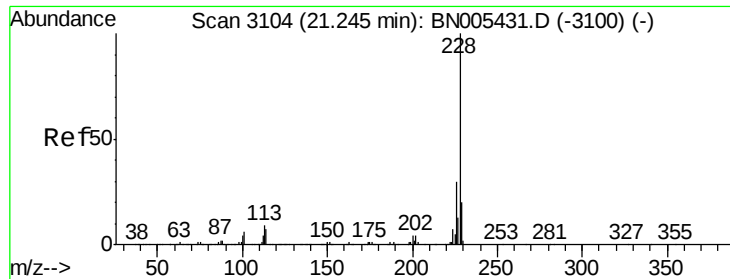
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 33.131 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005439.D

Acq: 03 May 2019 05:22

Instrument :

BNA_N

ClientSampled :

GAJ62

Tot Ion:228 Resp: 3041314

Ion Ratio Lower Upper

228 100

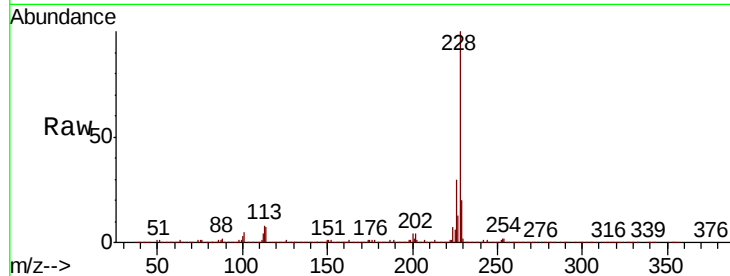
226 30.2 24.0 36.0

229 20.3 15.4 23.0

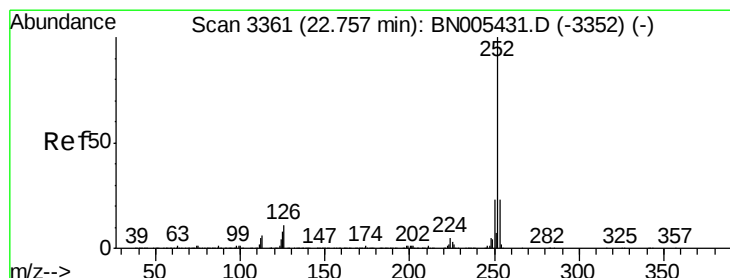
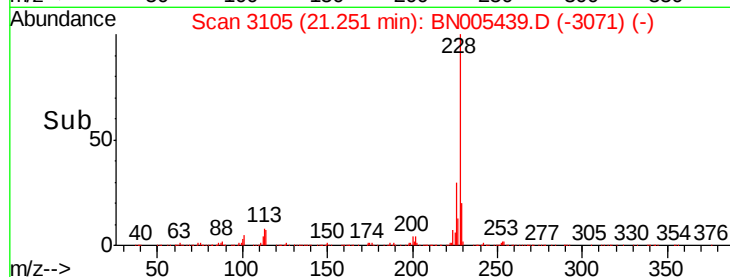
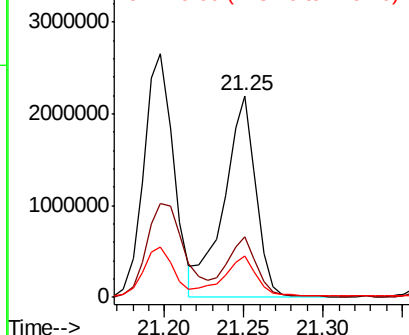
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 24.076 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005439.D

Acq: 03 May 2019 05:22

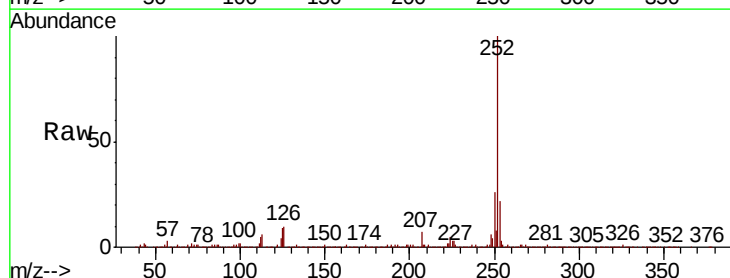
Tgt Ion:252 Resp: 2372017

Ion Ratio Lower Upper

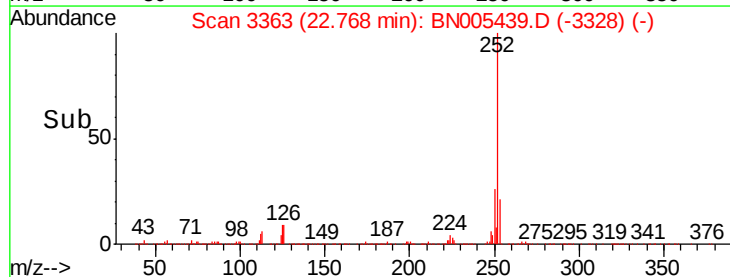
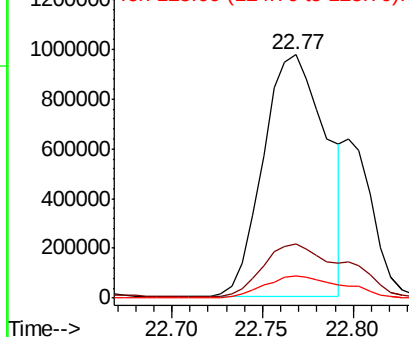
252 100

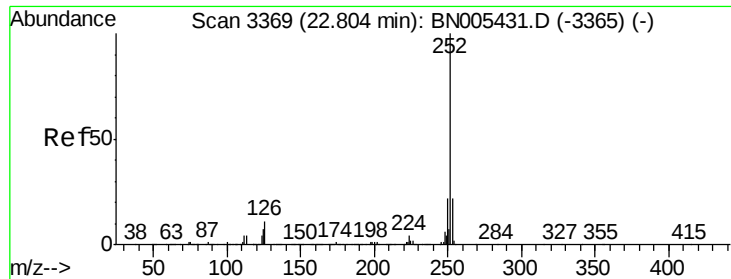
253 22.2 17.7 26.5

125 9.0 8.4 12.6



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





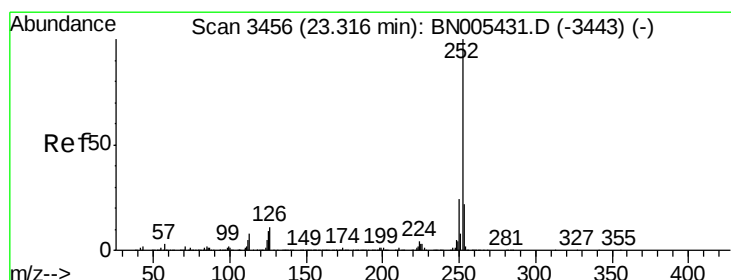
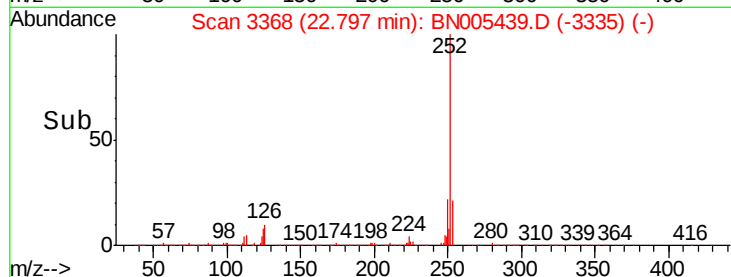
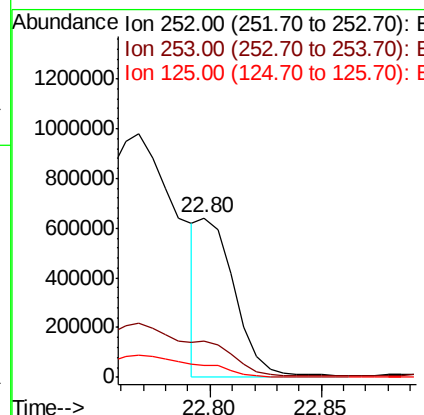
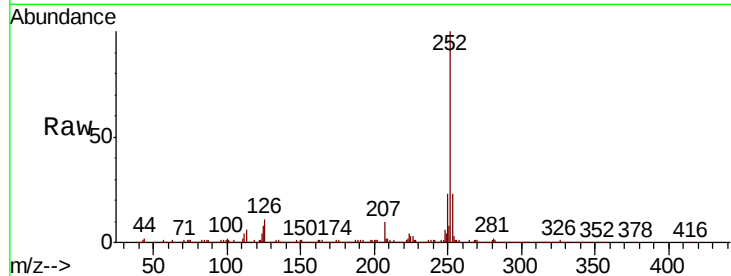
#88
Benzo(k)fluoranthene
Concen: 7.651 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
BNA_N
ClientSampleId :
GAJ62

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	7.9	7.5	11.3

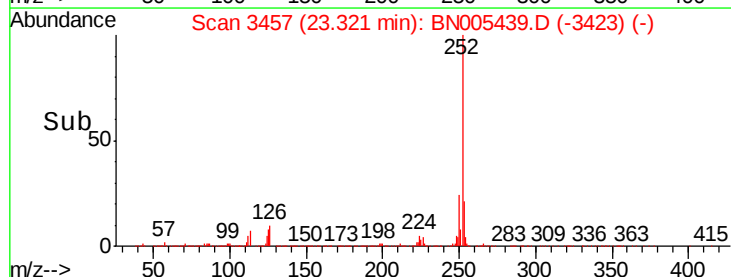
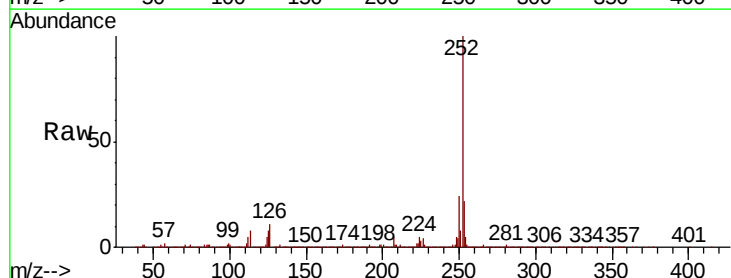
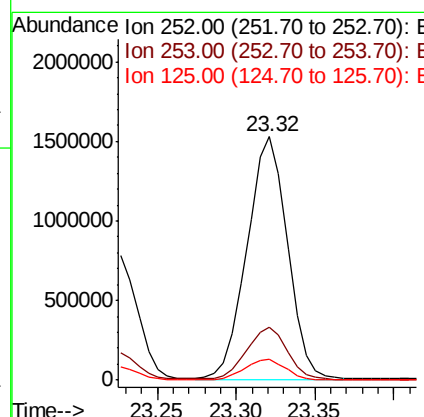
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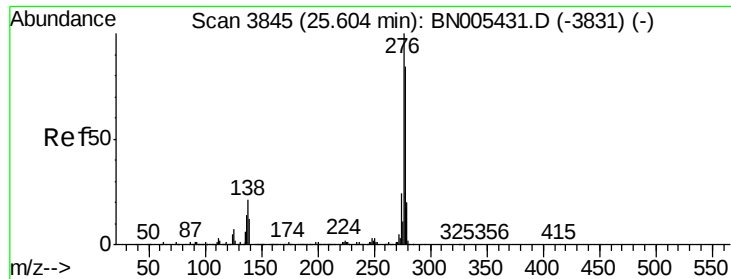
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#90
Benzo(a)pyrene
Concen: 29.694 ng/ul m
RT: 23.32 min Scan# 3457
Delta R.T. -0.00 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	8.4	8.6	13.0





#91

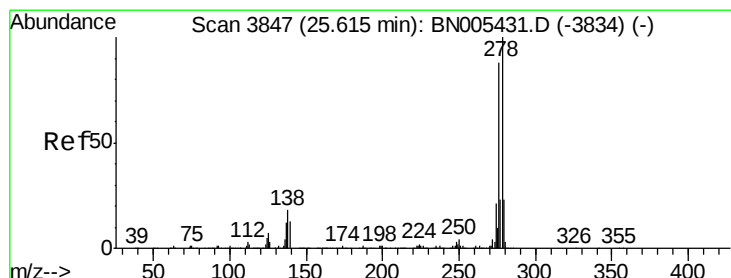
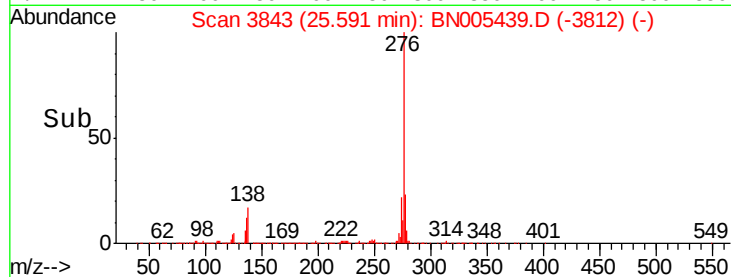
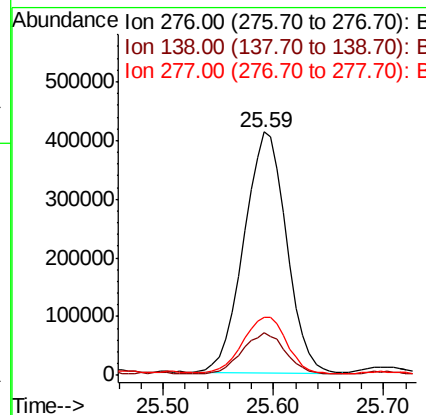
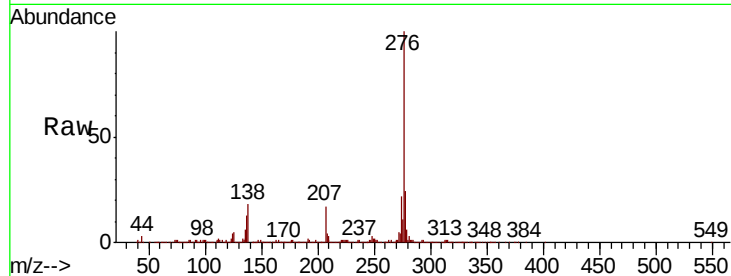
Indeno(1,2,3-cd)pyrene
Concen: 10.829 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.02 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Instrument :
BNA_N
ClientSampleId :
GAJ62

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	17.9	26.9#
277	23.6	19.7	29.5

Manual Integrations
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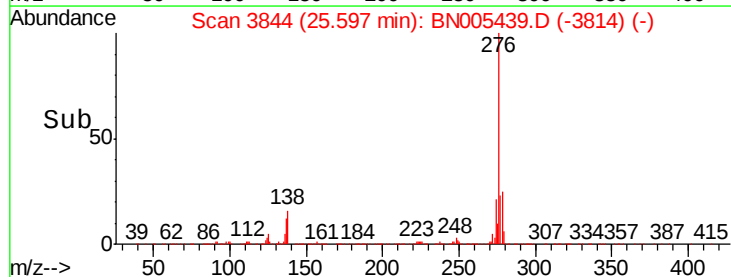
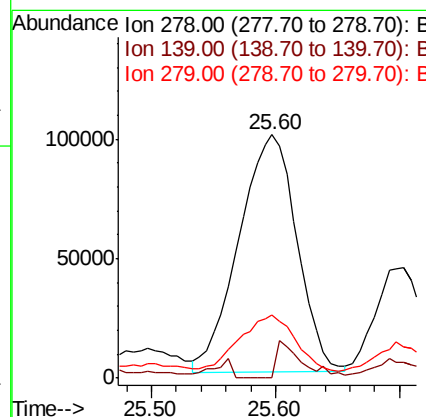
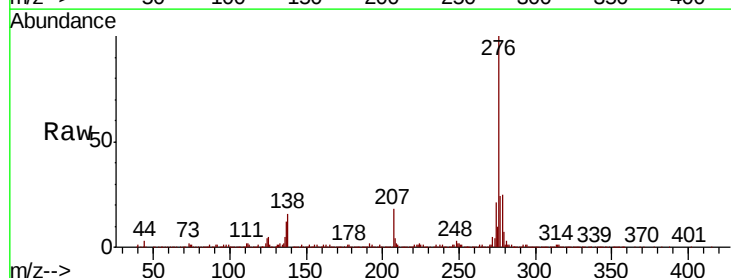
Sohil
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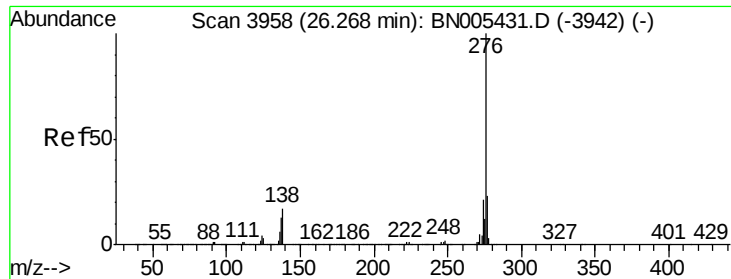


#92

Dibenzo(a,h)anthracene
Concen: 3.719 ng/ul m
RT: 25.60 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BN005439.D
Acq: 03 May 2019 05:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	26.1	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 13.136 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BN005439.D

Acq: 03 May 2019 05:22

Instrument :

BNA_N

ClientSampleId :

GAJ62

Tot Ion:276 Resp: 1112107

Ion Ratio Lower Upper

276 100

138 16.9 16.7 25.1

277 23.7 18.2 27.2

Manual Integrations

APPROVED

Sohil

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