

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005340.D
 Acq On : 27 Apr 2019 05:07
 Operator : JU/SJ
 Sample : K2481-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 GAHT8

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:44:10 PM

Quant Time: Apr 29 03:15:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	427070	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1778340	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1067863	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2422343	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1940198	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1965536	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	30708	3.47	ng/uL	0.00
5) Phenol-d5	6.78	99	761125	22.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	441184	21.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	612231	23.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	636258	24.27	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	312902	28.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	364927	32.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	652550	25.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	218093m	8.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1964418	25.34	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2383087	25.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	342147	27.95	ng/ul	0.00
57) Fluorene-d10	15.23	176	1706474	26.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	181621	16.67	ng/ul	0.00
70) Anthracene-d10	17.09	188	2651744	26.11	ng/ul	0.00
78) Pyrene-d10	19.40	212	2805922	28.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	2164329	25.20	ng/ul	-0.02

Target Compounds

					Qvalue	
14) Acetophenone	8.40	105	46913	1.118	ng/ul	98
28) Naphthalene	10.40	128	314398	3.803	ng/ul	100
34) 2-Methylnaphthalene	12.02	142	251327	4.152	ng/ul	98
44) Dimethylphthalate	13.69	163	405744	5.253	ng/ul	98
47) Acenaphthylene	13.95	152	2399307	25.643	ng/ul	98
49) Acenaphthene	14.29	153	286438	4.484	ng/ul	99
53) Dibenzofuran	14.63	168	365491	3.974	ng/ul	96
58) Fluorene	15.29	166	474319	6.609	ng/ul#	96
69) Phenanthrene	17.03	178	3952746	33.506	ng/ul	98
71) Anthracene	17.12	178	1598748	13.303	ng/ul	98
74) Carbazole	17.39	167	348274	3.374	ng/ul#	89
76) Fluoranthene	19.06	202	5064963	38.707	ng/ul	98
79) Pyrene	19.43	202	7309342	58.511	ng/ul	97
82) Benzo(a)anthracene	21.20	228	2729094m	22.611	ng/ul	
84) Chrysene	21.26	228	3149100	28.112	ng/ul	96
87) Benzo(b)fluoranthene	22.78	252	5076337	45.945	ng/ul	99
88) Benzo(k)fluoranthene	22.81	252	1475855m	13.986	ng/ul	
90) Benzo(a)pyrene	23.33	252	2212474	21.304	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.62	276	3582873	31.204	ng/ul	98
92) Dibenzo(a,h)anthracene	25.62	278	1009664	10.361	ng/ul	95
93) Benzo(g,h,i)perylene	26.29	276	3237626	34.101	ng/ul	97

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

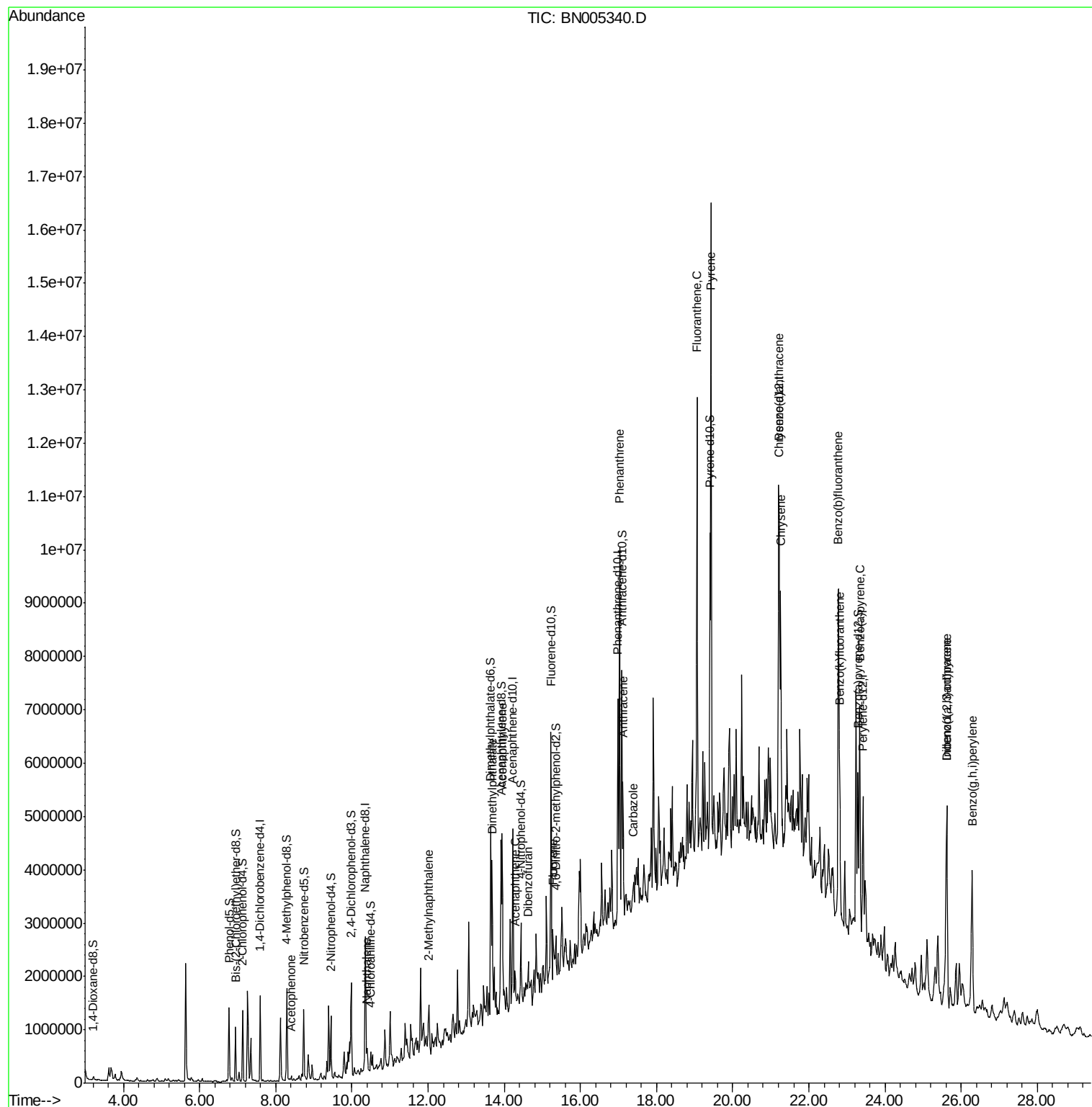
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005340.D
Acq On : 27 Apr 2019 05:07
Operator : JU/SJ
Sample : K2481-03
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ALS Vial : 23 Sample Multiplier: 1

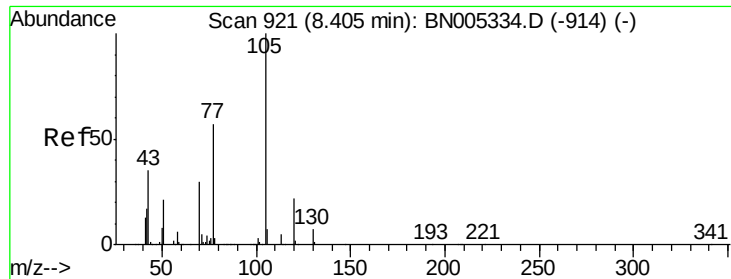
Instrument :
BNA_N
ClientSampleId :
GAHT8

Manual Integrations
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#14

Acetophenone

Concen: 1.118 ng/ul

RT: 8.40 min Scan# 921

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

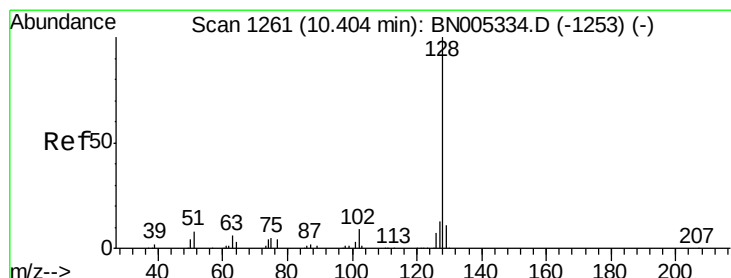
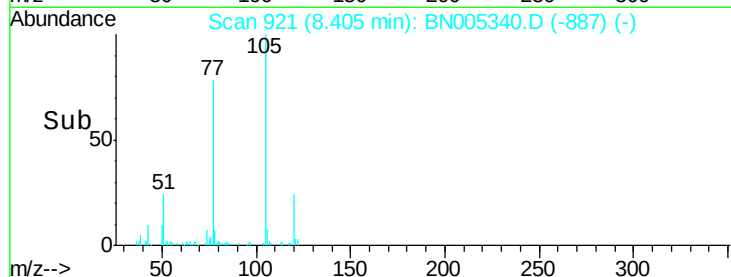
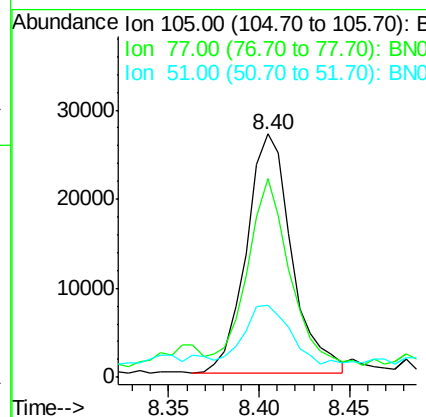
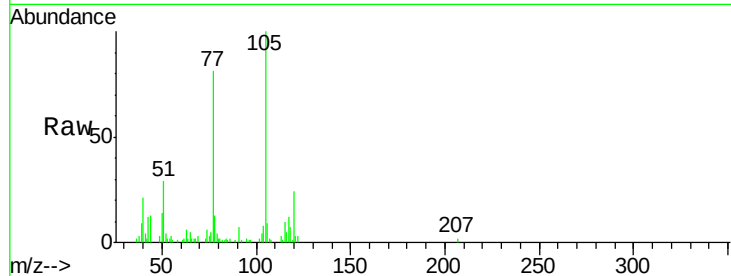
ClientSampleId :

GAHT8

Tgt Ion:	105	Resp:	46913
Ion Ratio	Lower	Upper	
105	100		
77	81.4	63.4	95.0
51	29.4	24.2	36.4

Manual Integrations
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#28

Naphthalene

Concen: 3.803 ng/ul

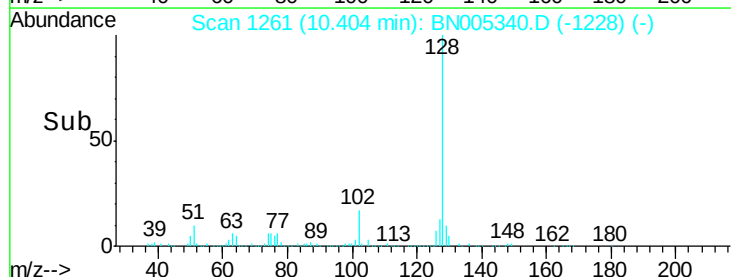
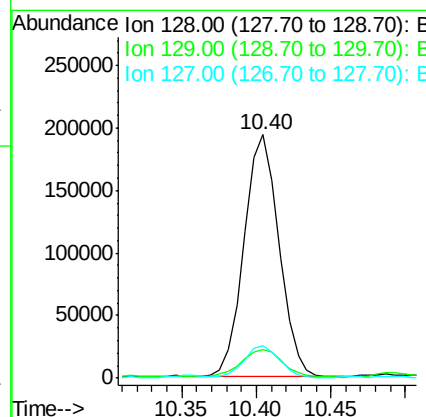
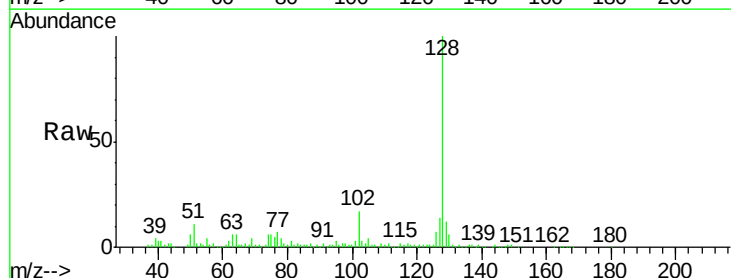
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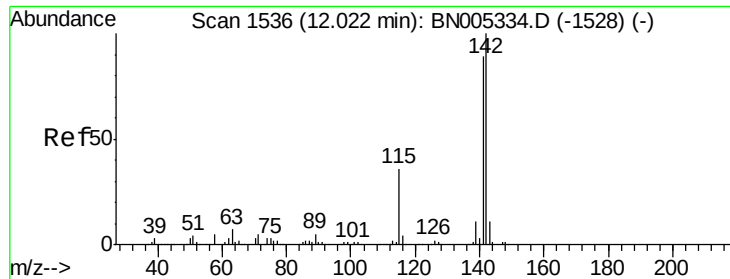
Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Tgt Ion:	128	Resp:	314398
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.2	13.8
127	13.5	10.7	16.1





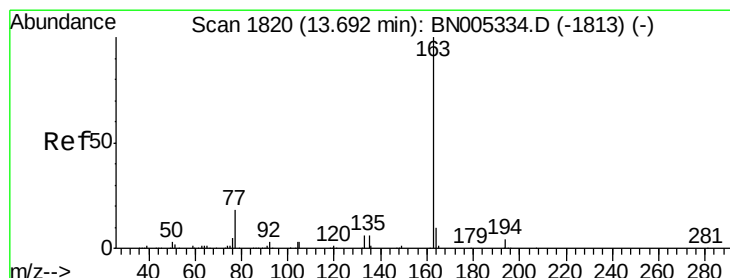
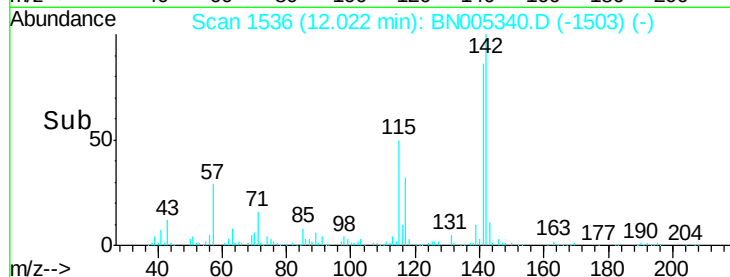
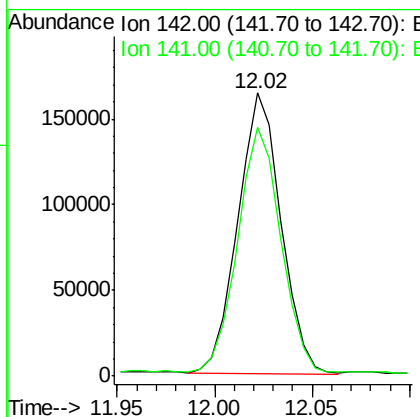
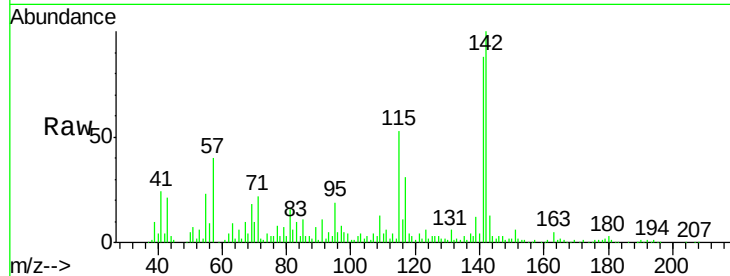
#34
2-Methylnaphthalene
Concen: 4.152 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Instrument :
BNA_N
ClientSampleId :
GAHT8

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	251327		
141	87.9	72.0	108.0	

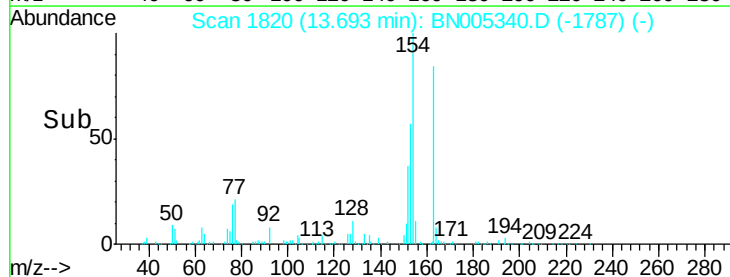
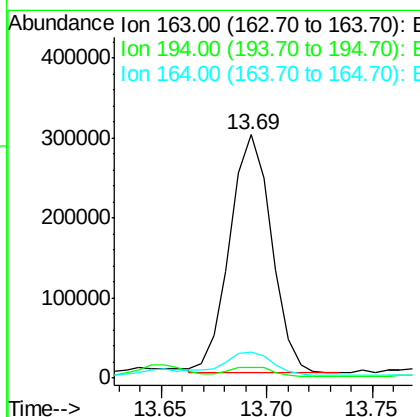
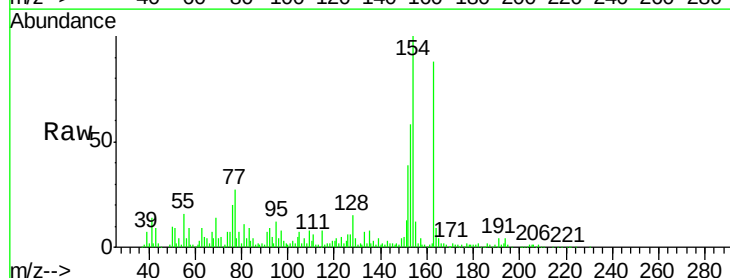
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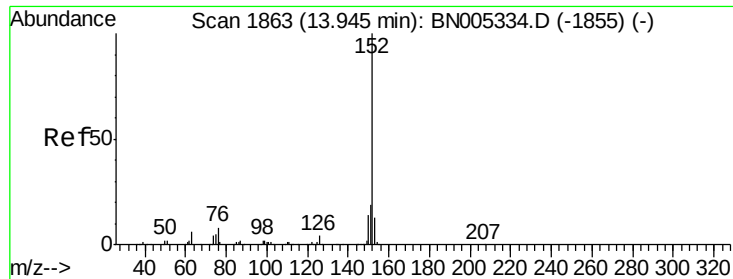
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#44
Dimethylphthalate
Concen: 5.253 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	405744		
194	4.6	3.4	5.0	
164	10.8	8.1	12.1	





#47

Acenaphthylene

Concen: 25.643 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

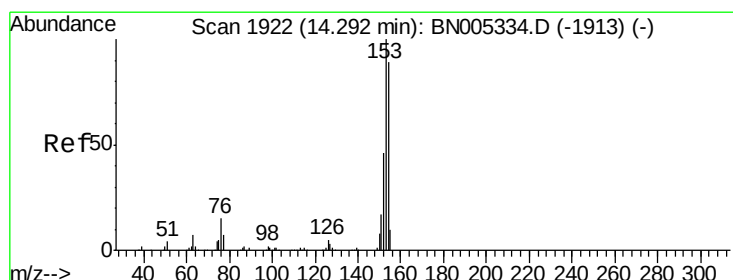
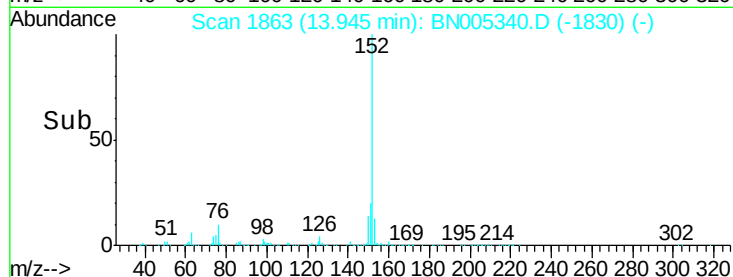
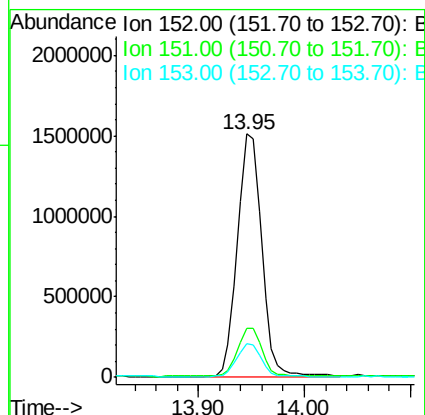
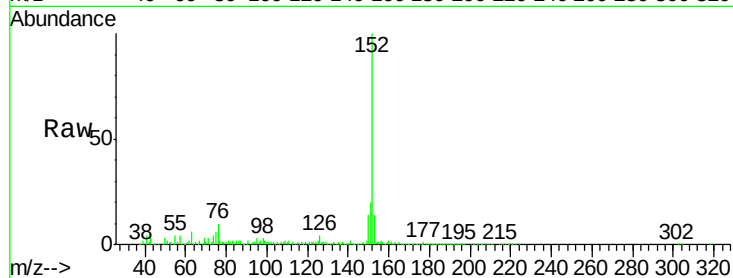
ClientSampleId :

GAHT8

Tgt Ion:	152	Resp:	2399307
Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.7	9.8	14.8

Manual Integrations
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#49

Acenaphthene

Concen: 4.484 ng/ul

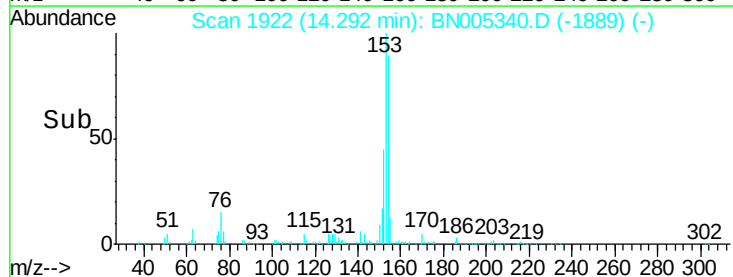
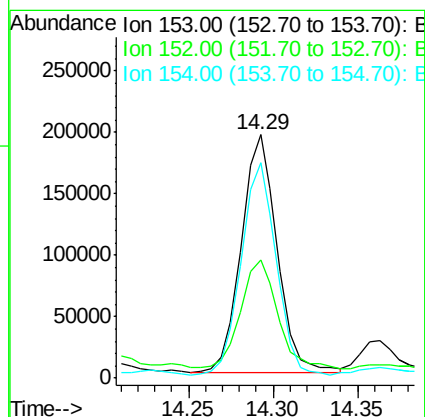
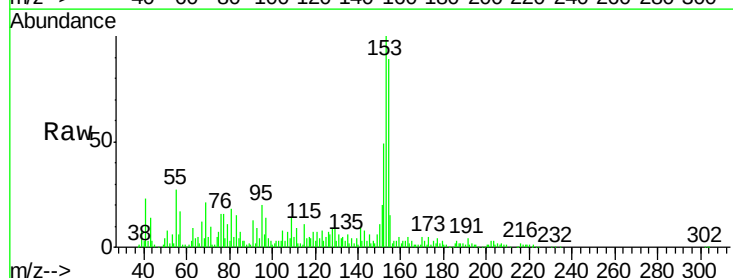
RT: 14.29 min Scan# 1922

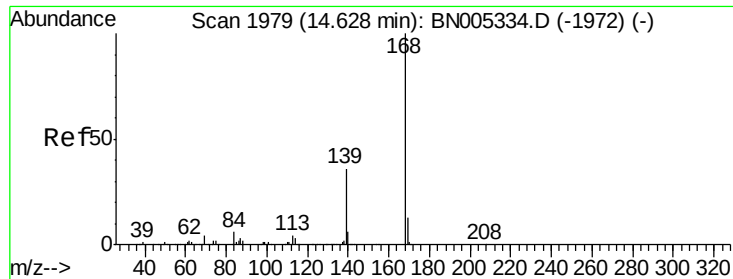
Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Tgt Ion:	153	Resp:	286438
Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.4	56.0
154	88.6	71.2	106.8





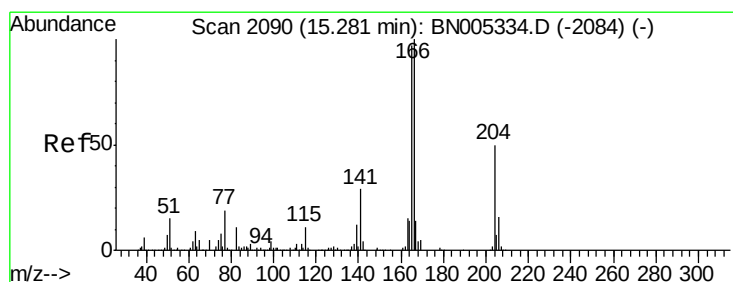
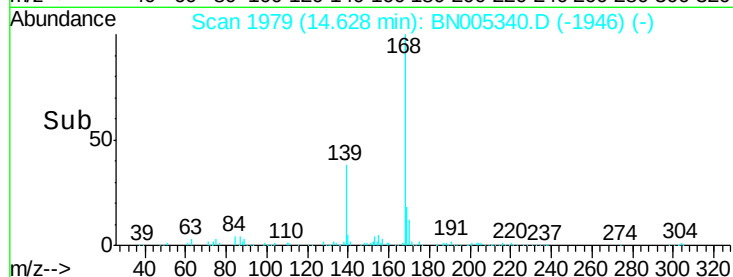
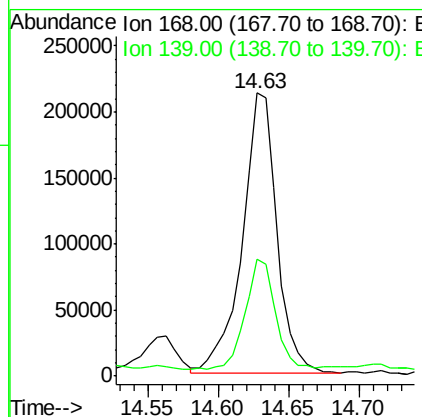
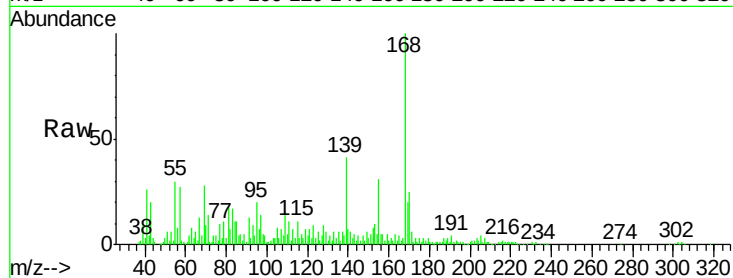
#53
Dibenzenofuran
Concen: 3.974 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Instrument :
BNA_N
ClientSampled :
GAHT8

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.2	30.9	46.3

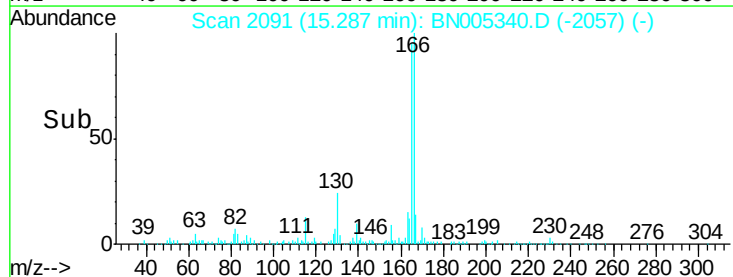
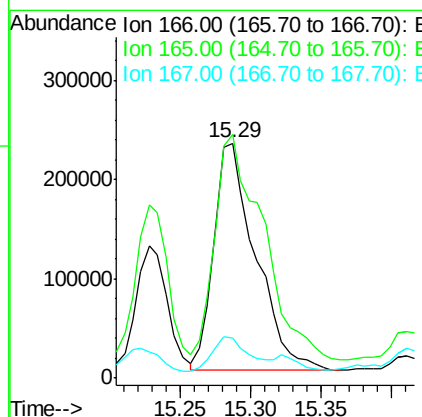
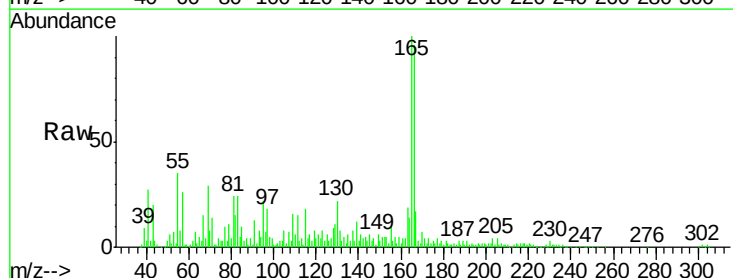
Manual Integrations
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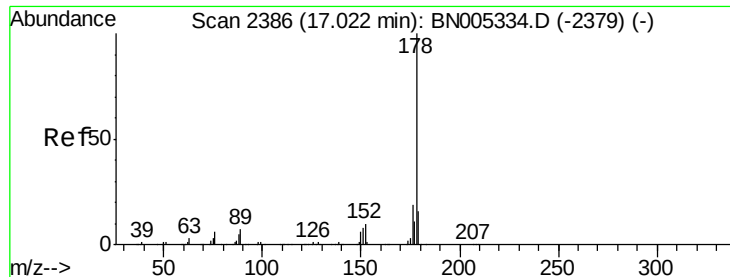
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4/29/2019 1:44:10 PM



#58
Fluorene
Concen: 6.609 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.8	80.0	120.0
167	17.2	10.7	16.1





#69

Phenanthrene

Concen: 33.506 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

GAHT8

Tgt Ion:178 Resp: 3952746

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

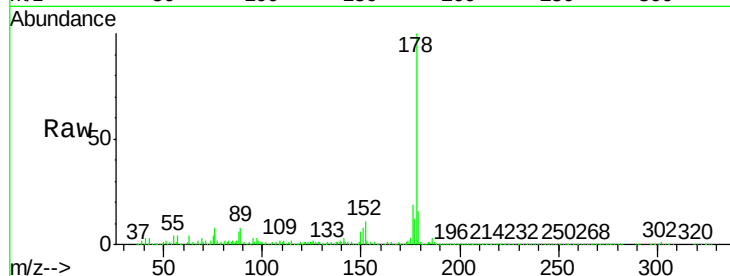
176 19.2 15.1 22.7

Manual Integrations

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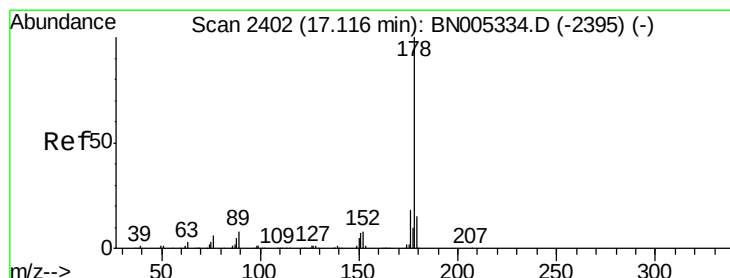
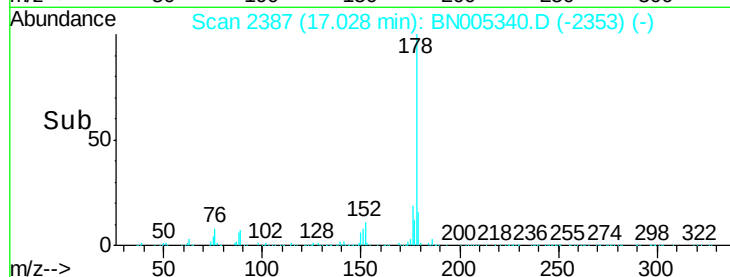
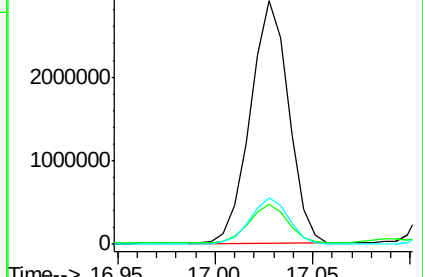
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 13.303 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

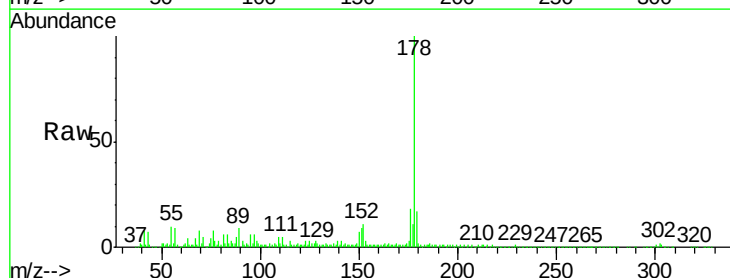
Tgt Ion:178 Resp: 1598748

Ion Ratio Lower Upper

178 100

179 16.8 12.3 18.5

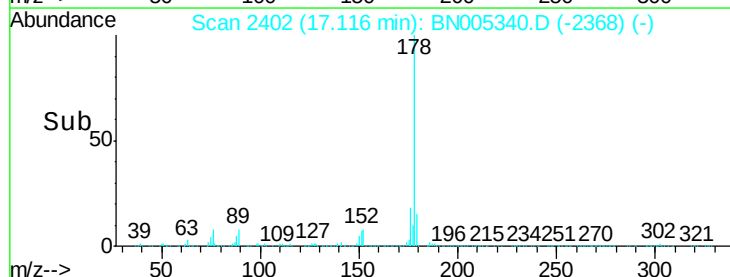
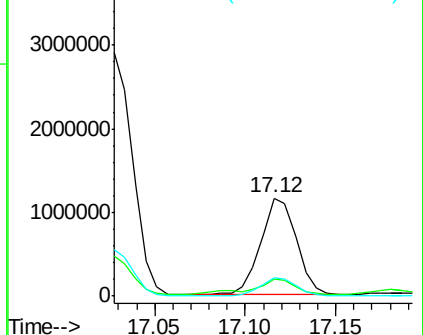
176 18.1 15.1 22.7

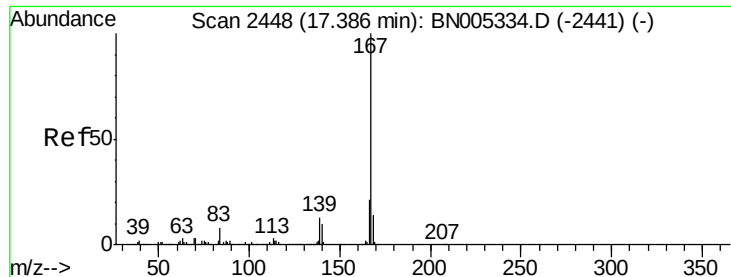


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





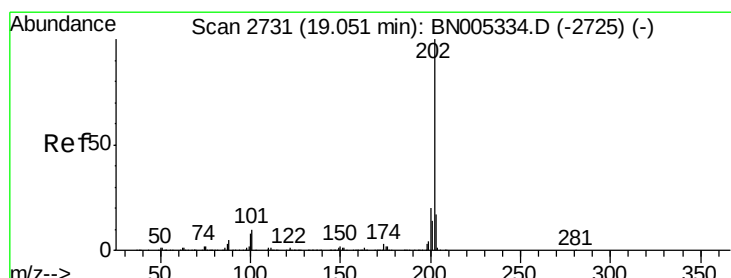
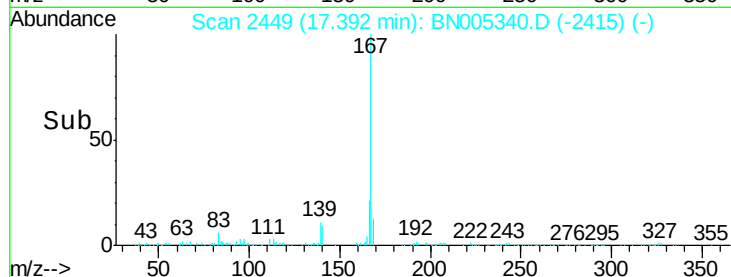
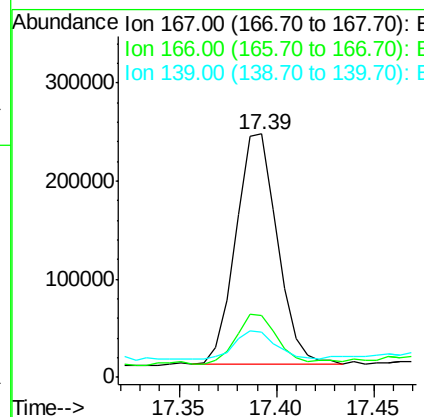
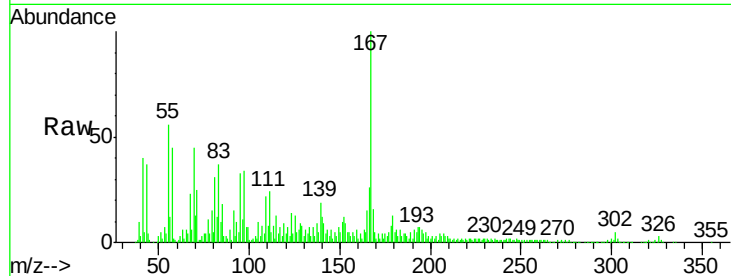
#74
 Carbazole
 Concen: 3.374 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Instrument :
 BNA_N
 ClientSampleId :
 GAHT8

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	25.5	17.2	25.8
139	18.8	10.6	16.0

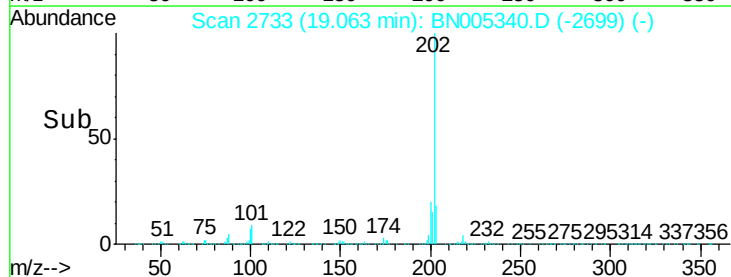
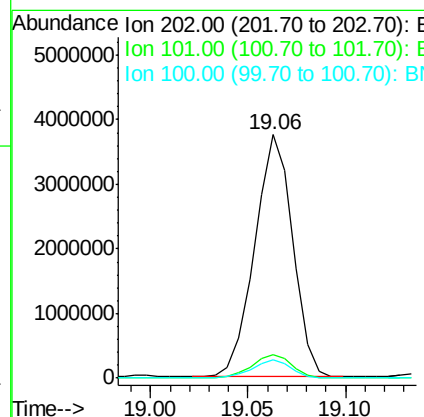
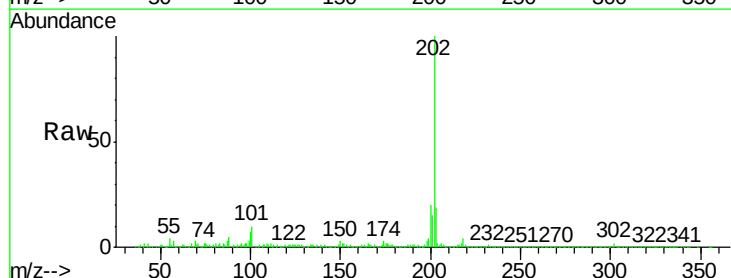
Manual Integrations
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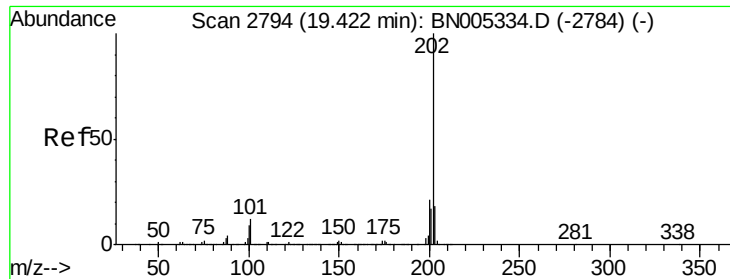
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 4/29/2019 1:44:10 PM



#76
 Fluoranthene
 Concen: 38.707 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	8.6	12.8
100	7.3	6.3	9.5





#79

Pyrene

Concen: 58.511 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

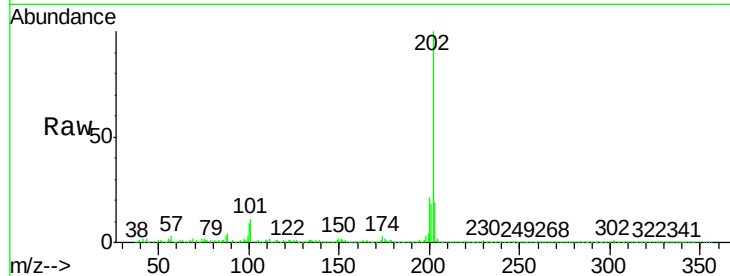
ClientSampleId :

GAHT8

Tgt Ion:	202	Resp:	7309342
Ion	Ratio	Lower	Upper
202	100		
101	11.4	10.3	15.5
100	9.2	7.9	11.9

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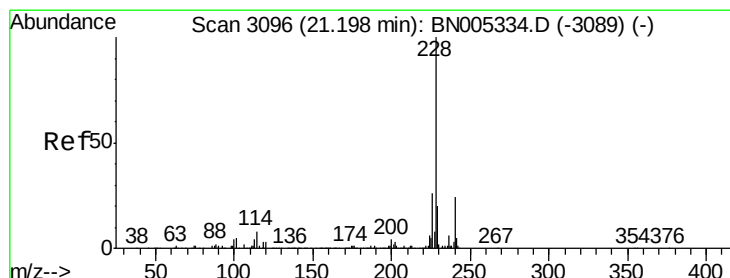
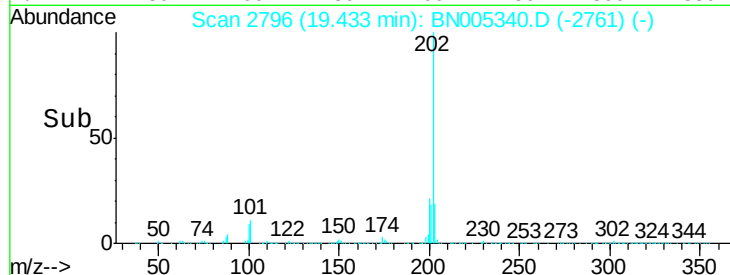
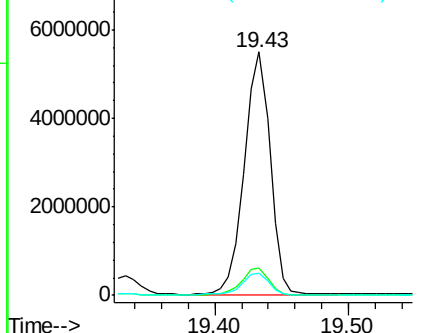
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 22.611 ng/ul m

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BN005340.D

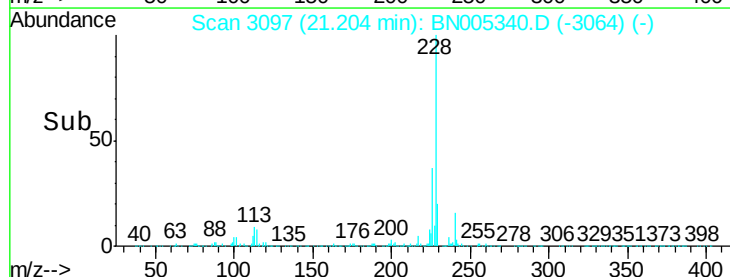
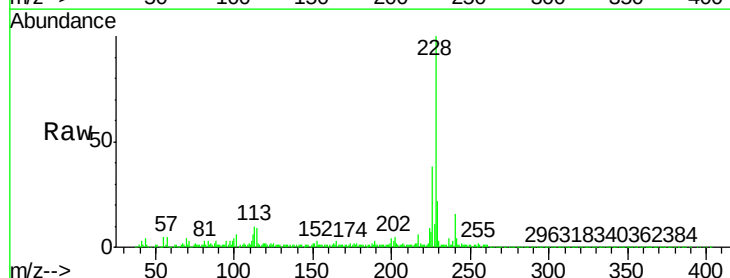
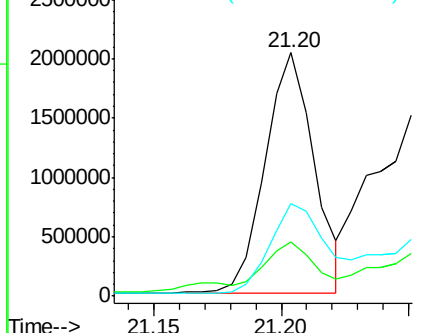
Acq: 27 Apr 2019 05:07

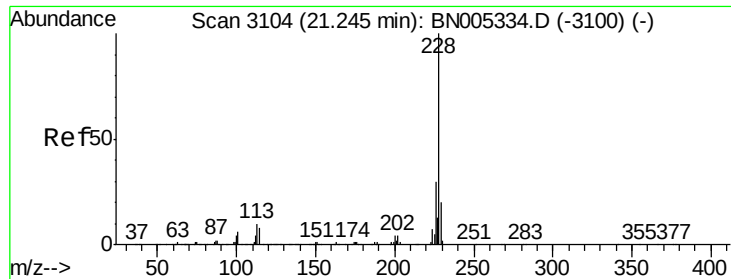
Tgt Ion:	228	Resp:	2729094
Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.8	23.6
226	37.8	21.4	32.2#

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: 28.112 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

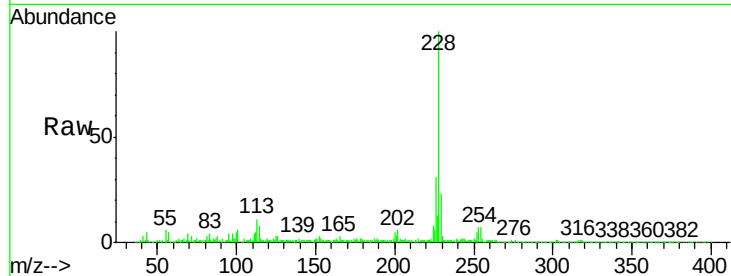
ClientSampled :

GAHT8

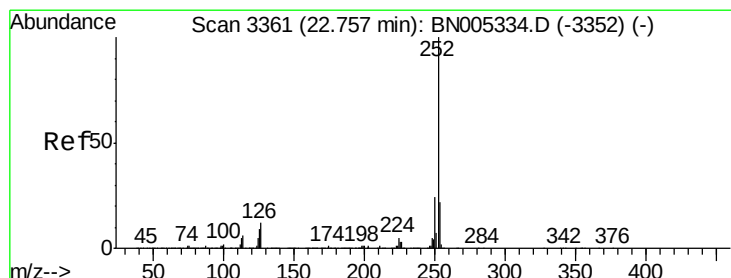
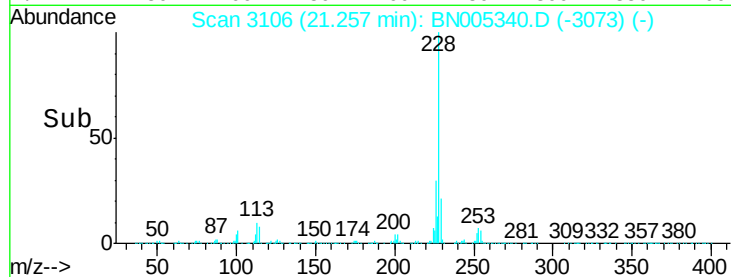
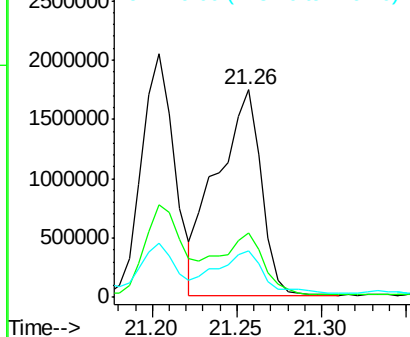
Tgt Ion:	228	Resp:	3149100
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	22.7	15.4	23.0

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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: 45.945 ng/ul

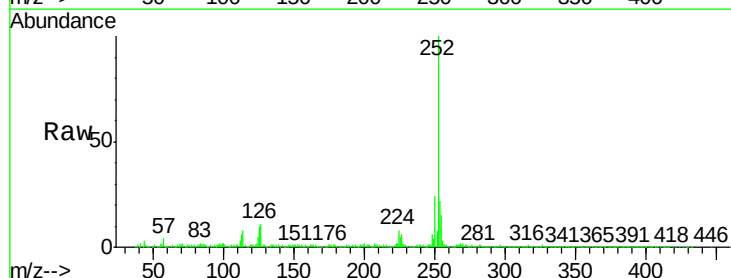
RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

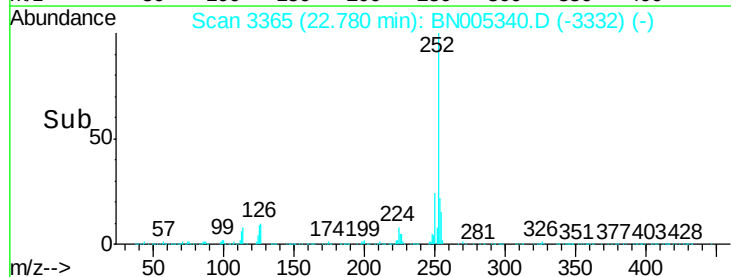
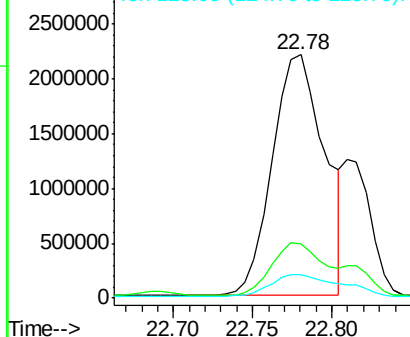
Lab File: BN005340.D

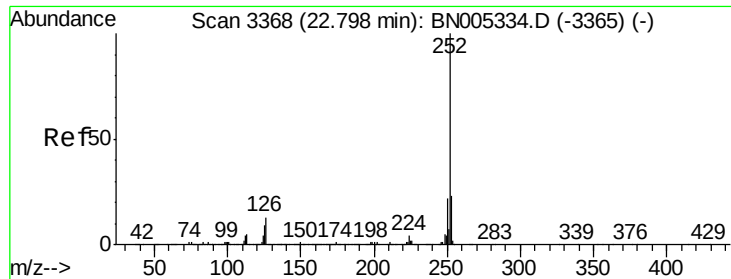
Acq: 27 Apr 2019 05:07

Tgt Ion:	252	Resp:	5076337
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.6	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





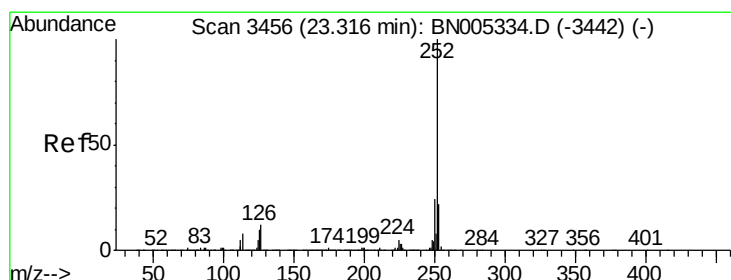
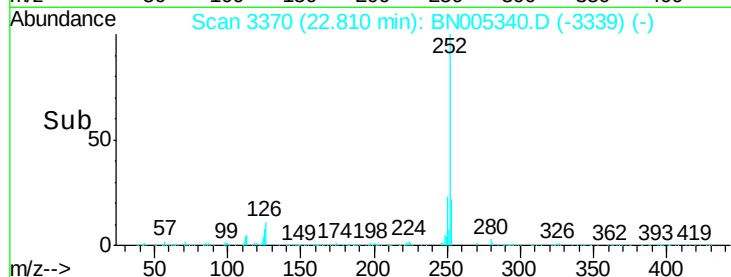
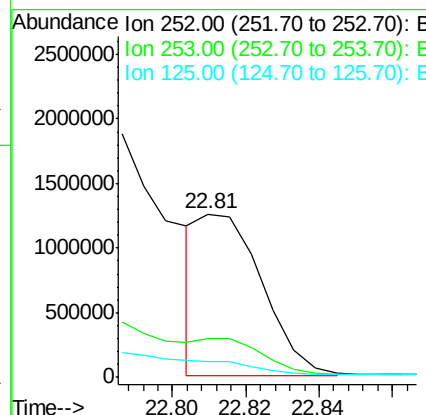
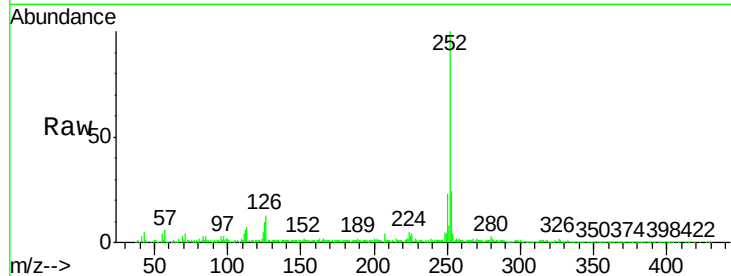
#88
Benzo(k)fluoranthene
Concen: 13.986 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Instrument :
BNA_N
ClientSampleId :
GAHT8

Tgt Ion:252 Resp: 1475855
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.9 7.5 11.3

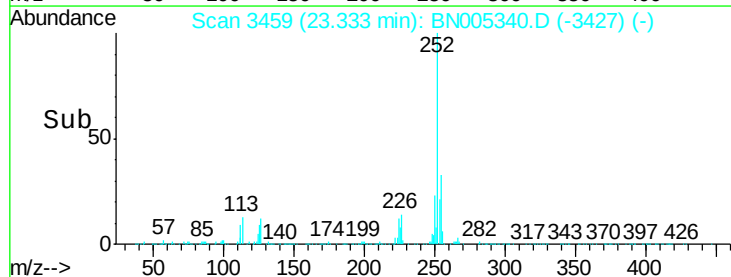
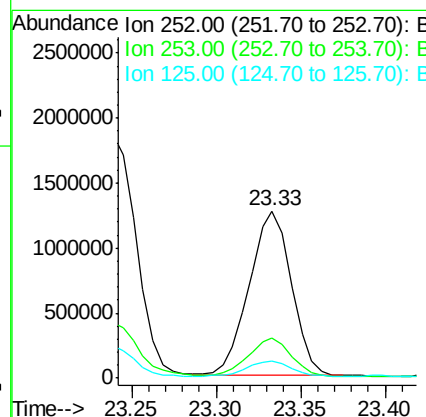
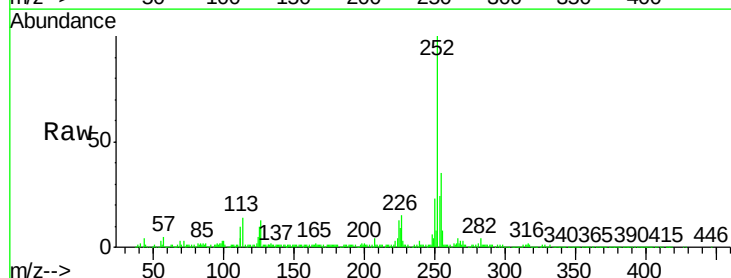
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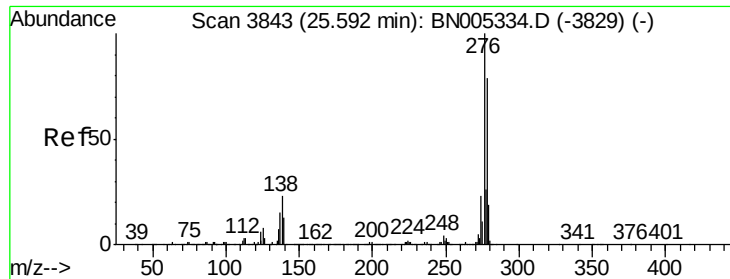
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#90
Benzo(a)pyrene
Concen: 21.304 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BN005340.D
Acq: 27 Apr 2019 05:07

Tgt Ion:252 Resp: 2212474
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 10.3 8.6 13.0





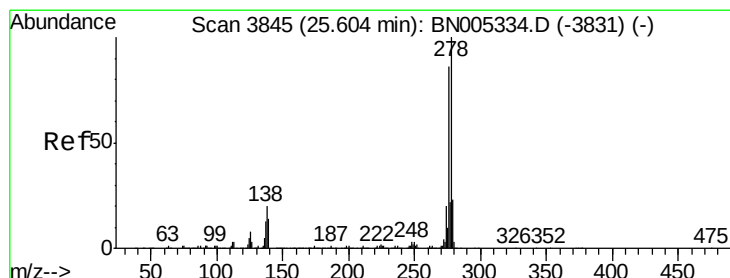
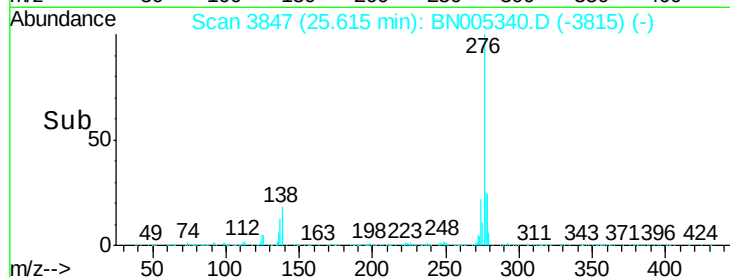
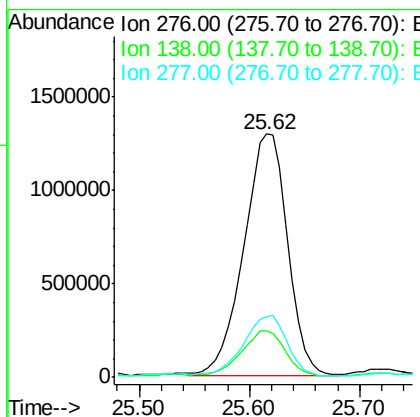
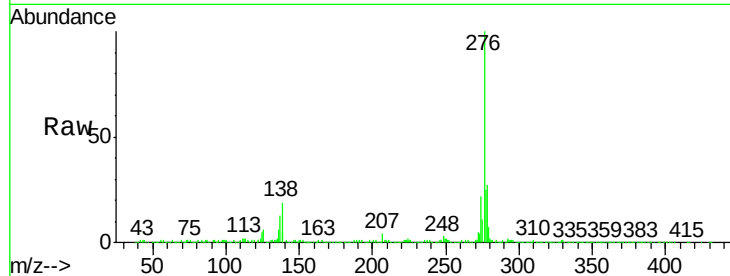
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 31.204 ng/ul
 RT: 25.62 min Scan# 3847
 Delta R.T. -0.01 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Instrument :
 BNA_N
 ClientSampleId :
 GAHT8

Tgt Ion:276 Resp: 3582873
 Ion Ratio Lower Upper
 276 100
 138 24.1 17.9 26.9
 277 25.0 19.7 29.5

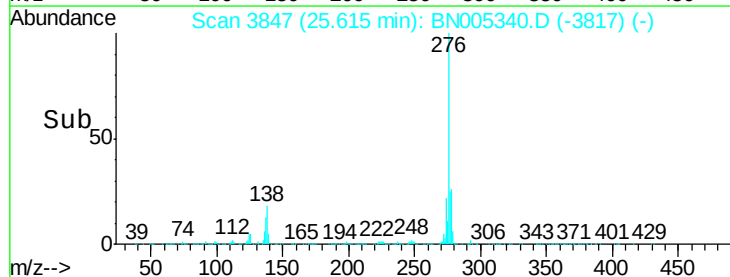
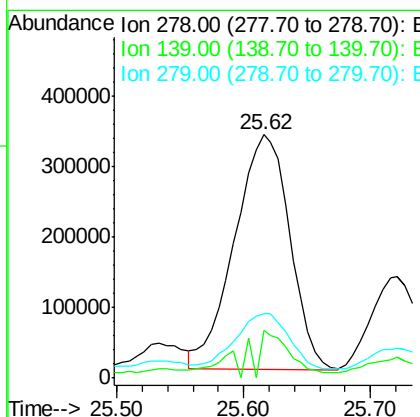
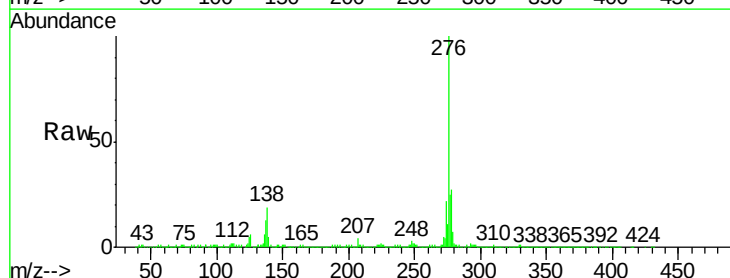
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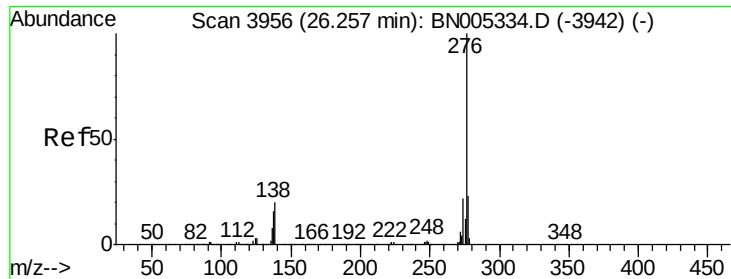
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#92
 Dibenzo(a,h)anthracene
 Concen: 10.361 ng/ul
 RT: 25.62 min Scan# 3847
 Delta R.T. -0.02 min
 Lab File: BN005340.D
 Acq: 27 Apr 2019 05:07

Tgt Ion:278 Resp: 1009664
 Ion Ratio Lower Upper
 278 100
 139 19.5 13.1 19.7
 279 26.2 19.4 29.0





#93

Benzo(g,h,i)perylene

Concen: 34.101 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BN005340.D

Acq: 27 Apr 2019 05:07

Instrument :

BNA_N

ClientSampleId :

GAHT8

Tgt Ion: 276 Resp: 3237626

Ion Ratio Lower Upper

276 100

138 18.6 16.7 25.1

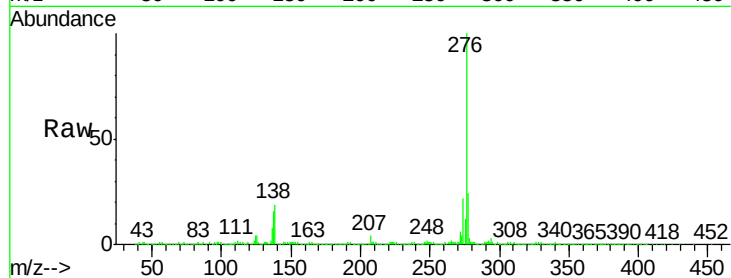
277 23.7 18.2 27.2

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

