

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005319.D
 Acq On : 26 Apr 2019 17:01
 Operator : JU/SJ
 Sample : K2402-10ME
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHJOME

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:17 PM

Quant Time: Apr 26 23:12:35 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	381091	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1600828	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	991720	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2270921	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2177686	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	2103241	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	20515	2.60	ng/uL	0.00
5) Phenol-d5	6.78	99	462853	15.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	293869	15.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	375760	16.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	356454	15.24	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	205801	20.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	221505	22.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	390120	17.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	559152	23.68	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1301423	18.08	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1617702	18.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	192970	16.98	ng/ul	0.00
57) Fluorene-d10	15.23	176	1131355	18.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	139990	13.71	ng/ul	0.00
70) Anthracene-d10	17.08	188	1832052	19.24	ng/ul	0.00
78) Pyrene-d10	19.39	212	2105044	18.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	1780754	19.37	ng/ul	-0.03

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	24961674m	335.417	ng/ul
34) 2-Methylnaphthalene	12.04	142	19046623	349.536	ng/ul 95
40) 1,1'-Biphenyl	13.06	154	1944492	26.315	ng/ul 99
47) Acenaphthylene	13.95	152	8634145	99.363	ng/ul# 96
49) Acenaphthene	14.29	153	711720	11.998	ng/ul 98
53) Dibenzofuran	14.63	168	859892	10.068	ng/ul 98
58) Fluorene	15.29	166	4021056	60.334	ng/ul 99
69) Phenanthrene	17.03	178	15100405m	136.535	ng/ul
71) Anthracene	17.12	178	4063485	36.067	ng/ul 99
74) Carbazole	17.39	167	153463	1.586	ng/ul 94
76) Fluoranthene	19.06	202	4267738	34.789	ng/ul 99
79) Pyrene	19.43	202	6444748	45.964	ng/ul 98
82) Benzo(a)anthracene	21.20	228	2488364m	18.368	ng/ul
83) Bis(2-ethylhexyl)phthalate	21.15	149	133746	1.565	ng/ul 99
84) Chrysene	21.25	228	2020663	16.071	ng/ul 98
87) Benzo(b)fluoranthene	22.76	252	1154542	9.765	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	356232m	3.155	ng/ul
90) Benzo(a)pyrene	23.32	252	1305562	11.748	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.59	276	409464	3.333	ng/ul 96
92) Dibenzo(a,h)anthracene	25.60	278	142567	1.367	ng/ul 97
93) Benzo(a,h,i)perylene	26.26	276	230675	2.271	ng/ul 94

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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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						

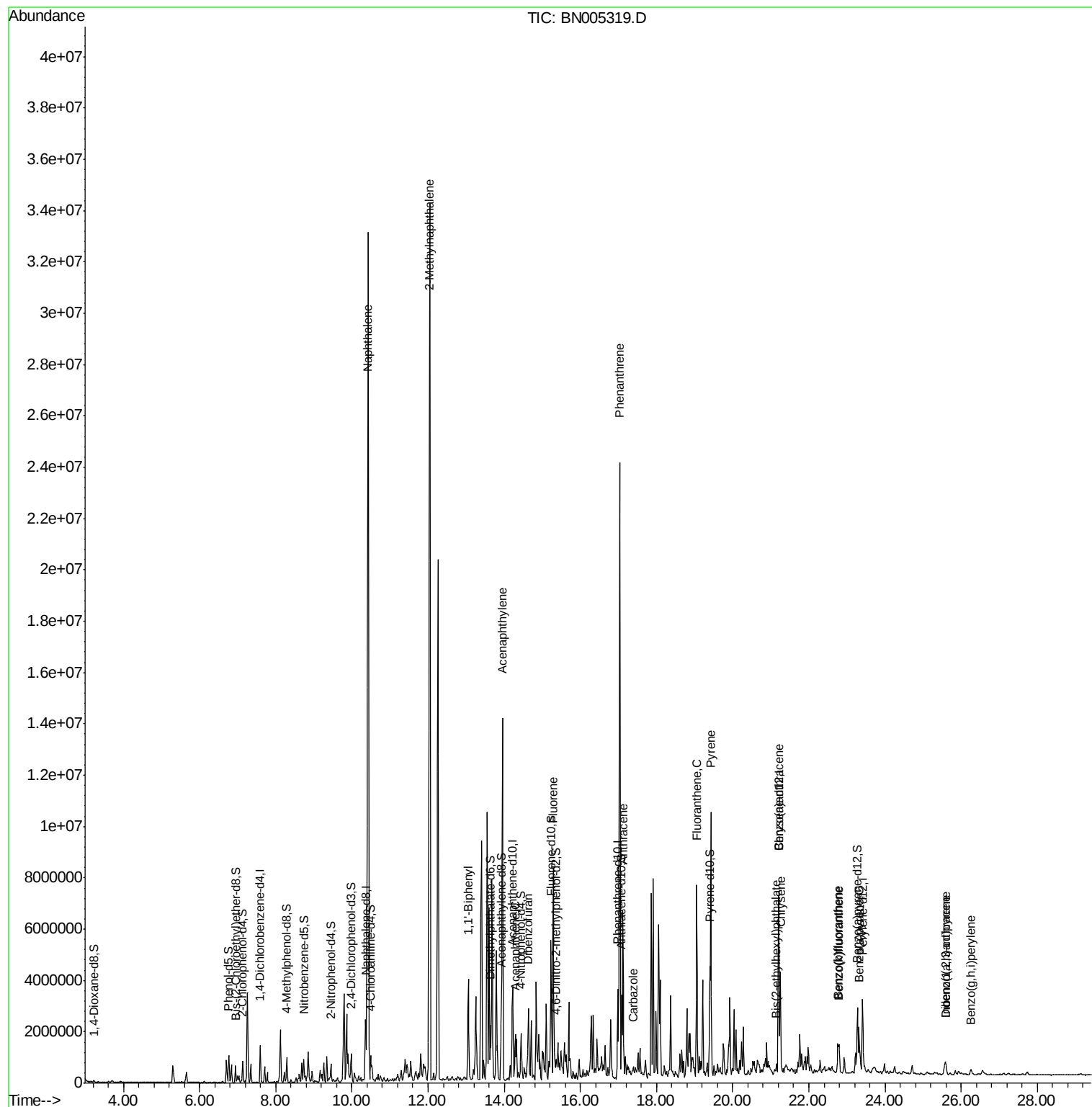
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
Data File : BN005319.D
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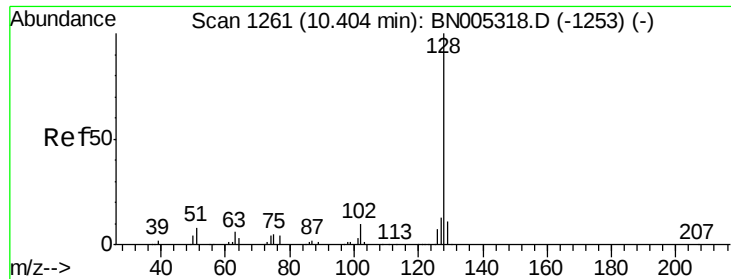
Instrument :
BNA_N
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GAHJOME

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#28

Naphthalene

Concen: 335.417 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

Instrument :

BNA_N

ClientSampleId :

GAHJOME

Tot Ion:128 Resp:24961674

Ion Ratio Lower Upper

128 100

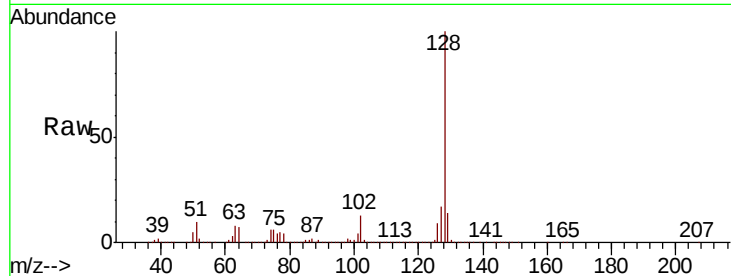
129 14.2 9.2 13.8#

127 16.6 10.7 16.1#

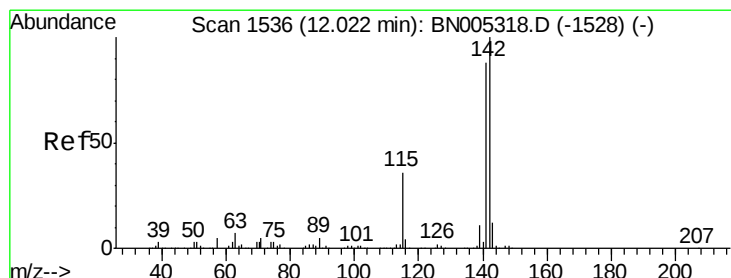
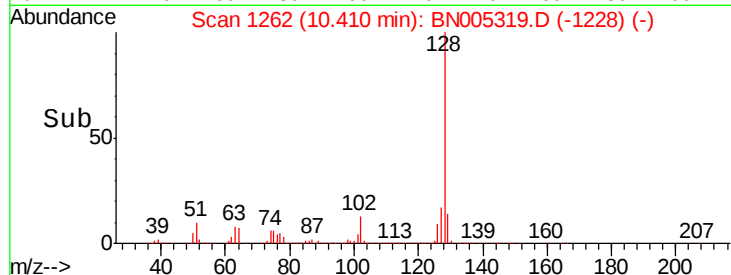
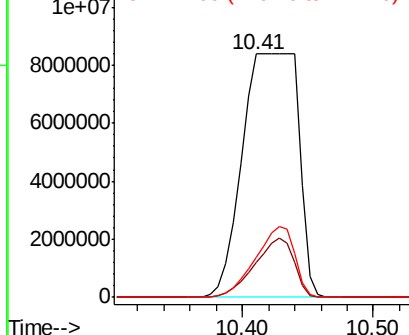
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 349.536 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BN005319.D

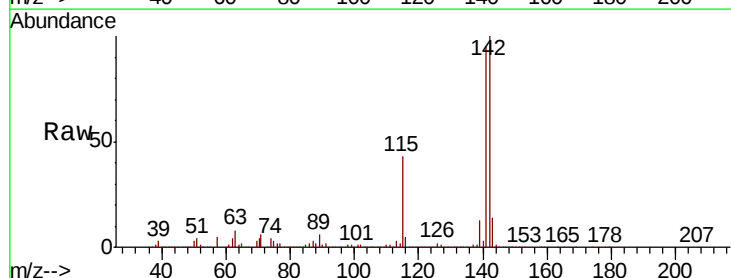
Acq: 26 Apr 2019 17:01

Tgt Ion:142 Resp:19046623

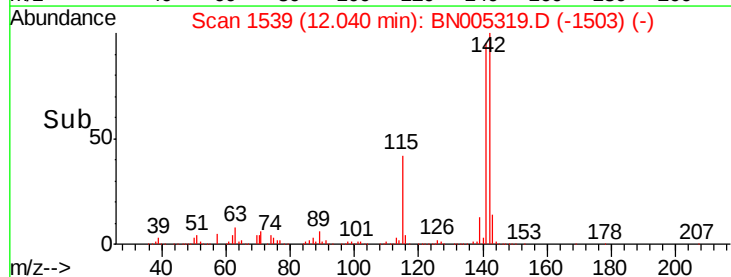
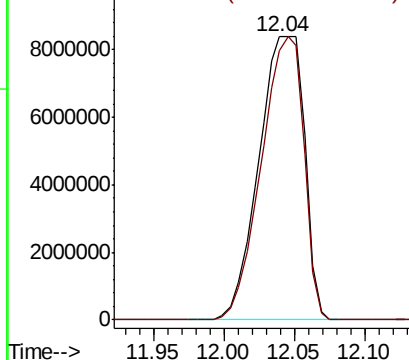
Ion Ratio Lower Upper

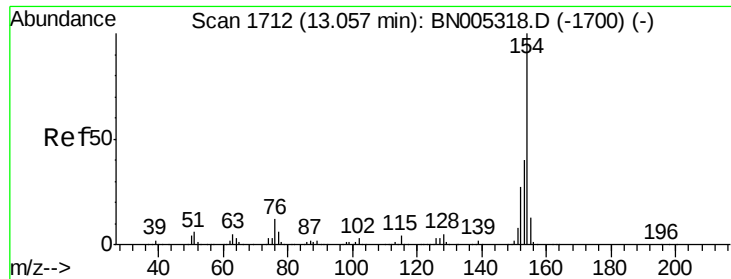
142 100

141 95.0 72.0 108.0



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





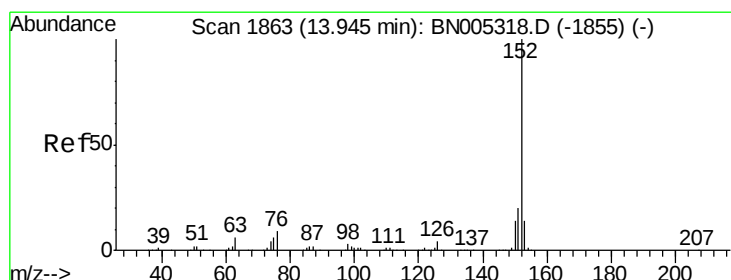
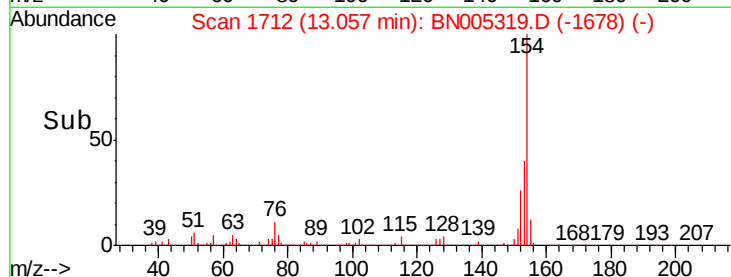
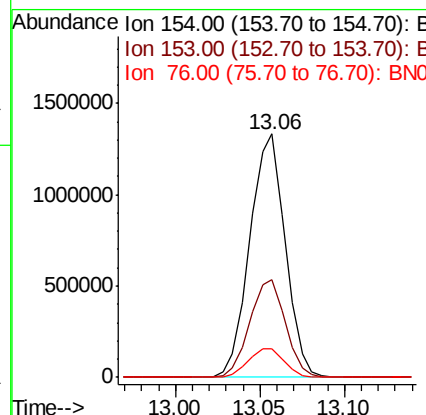
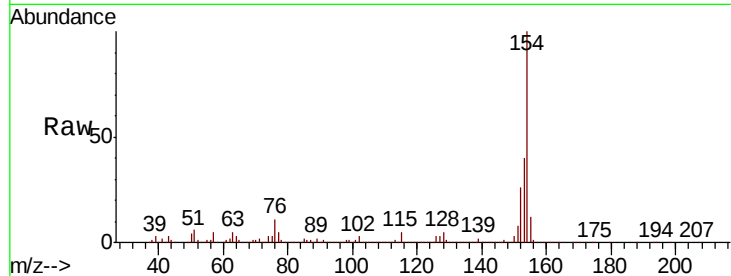
#40
1,1'-Biphenyl
Concen: 26.315 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Instrument :
BNA_N
ClientSampleId :
GAHJOME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.6	49.0
76	11.5	10.4	15.6

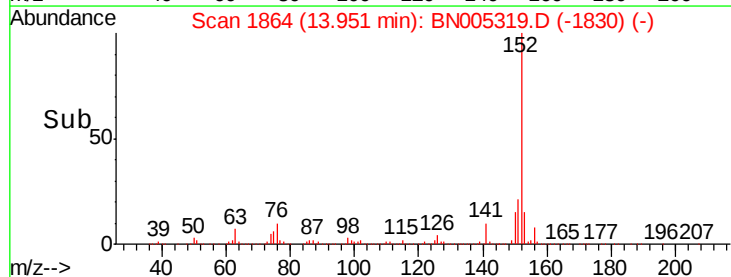
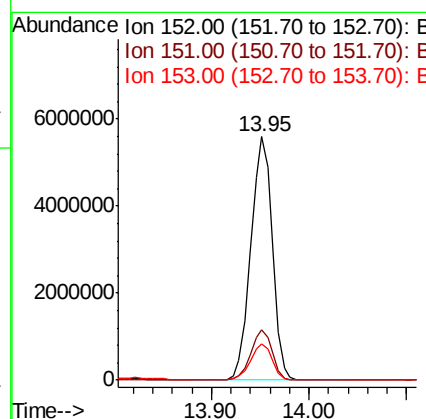
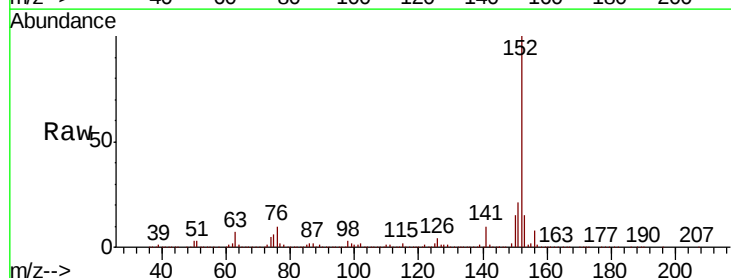
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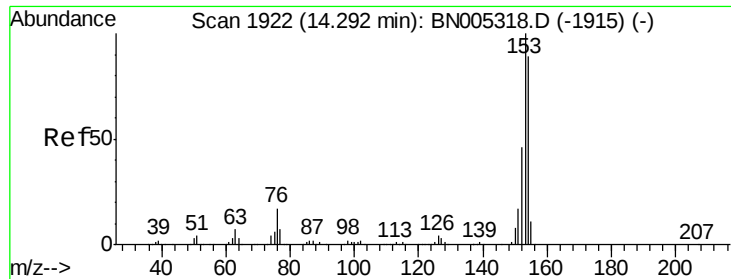
Sohil
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#47
Acenaphthylene
Concen: 99.363 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.8
153	14.8	9.8	14.8#





#49

Acenaphthene

Concen: 11.998 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

Instrument :

BNA_N

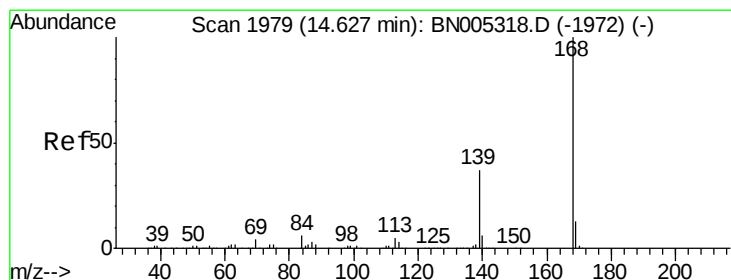
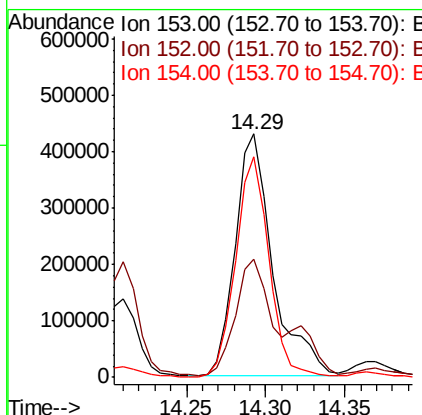
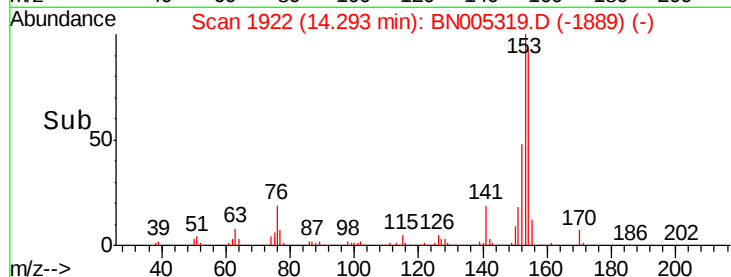
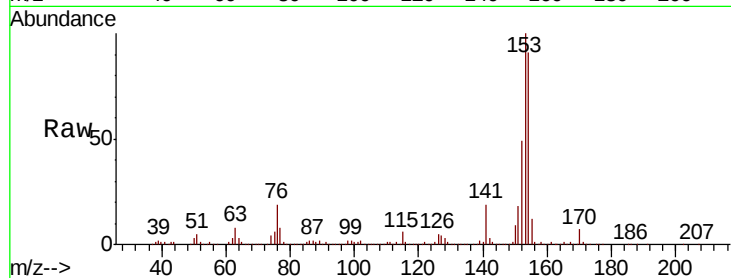
ClientSampled :

GAHJOME

Tot Ion:	153	Resp:	711720
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.4	56.0
154	90.6	71.2	106.8

Manual Integrations
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#53

Dibenzofuran

Concen: 10.068 ng/ul

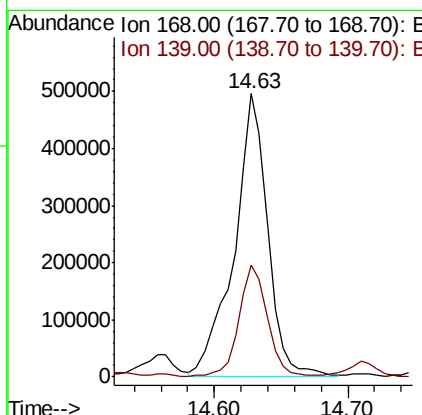
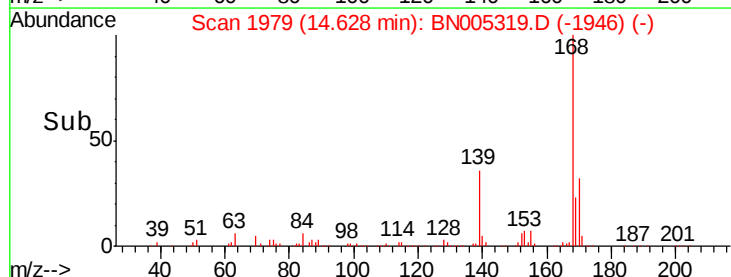
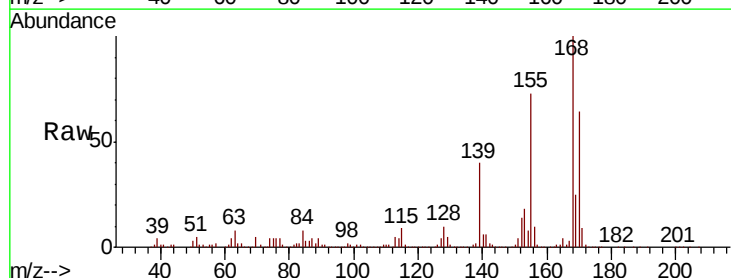
RT: 14.63 min Scan# 1979

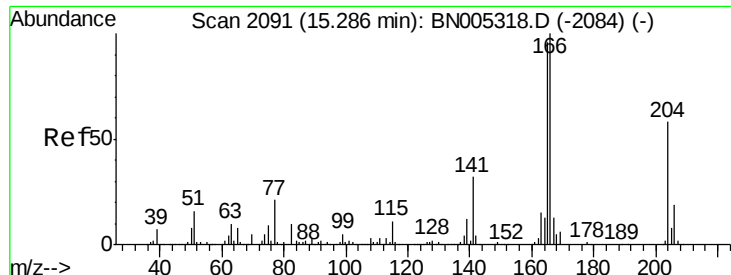
Delta R.T. -0.01 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

Tgt Ion:	168	Resp:	859892
Ion Ratio	Lower	Upper	
168	100		
139	39.7	30.9	46.3





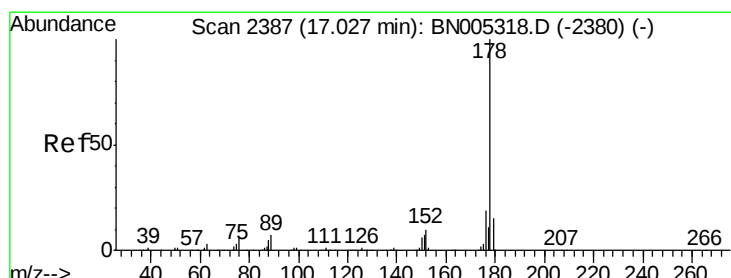
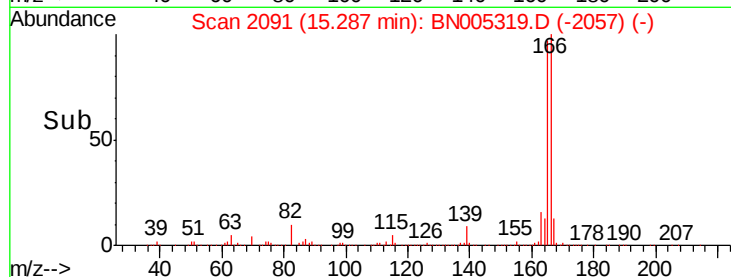
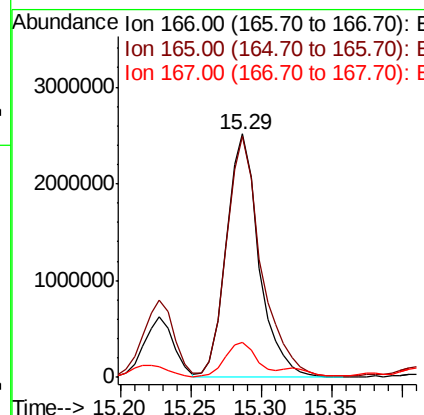
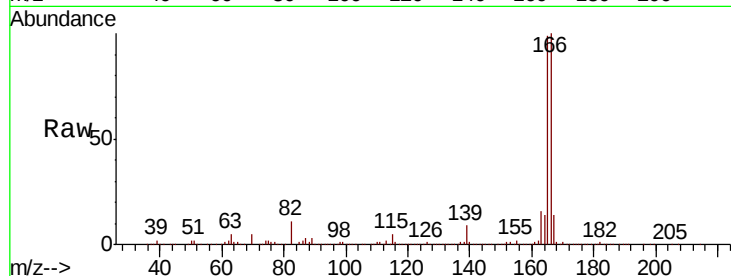
#58
 Fluorene
 Concen: 60.334 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

Instrument :
 BNA_N
 ClientSampleId :
 GAHJOME

Tot Ion:166 Resp: 4021056
 Ion Ratio Lower Upper
 166 100
 165 99.0 80.0 120.0
 167 14.4 10.7 16.1

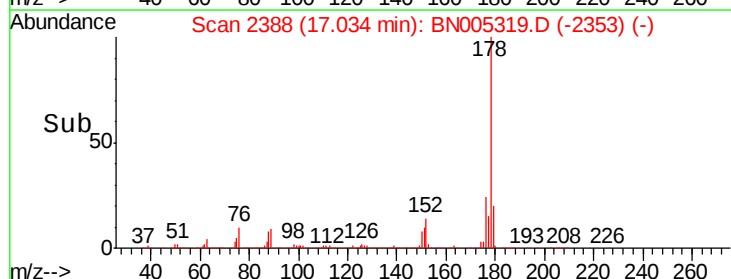
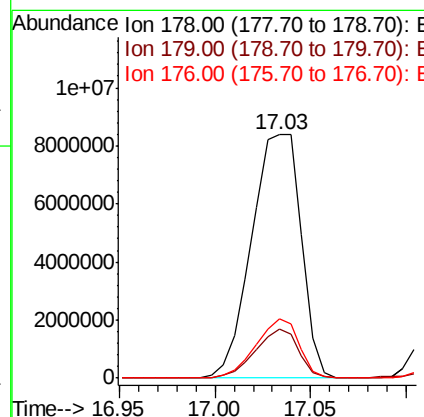
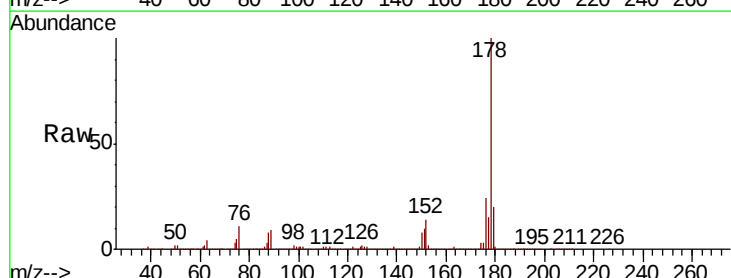
Manual Integrations
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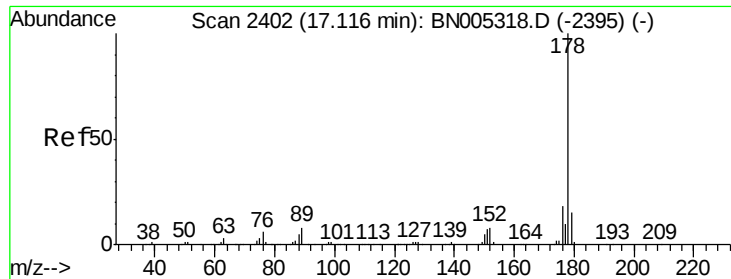
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#69
 Phenanthrene
 Concen: 136.535 ng/ul m
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

Tgt Ion:178 Resp:15100405
 Ion Ratio Lower Upper
 178 100
 179 20.2 12.2 18.4#
 176 24.4 15.1 22.7#





#71
 Anthracene
 Concen: 36.067 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

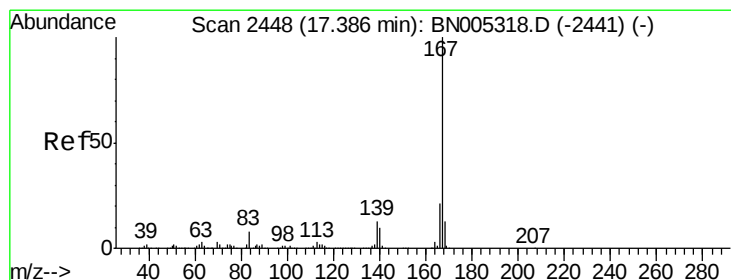
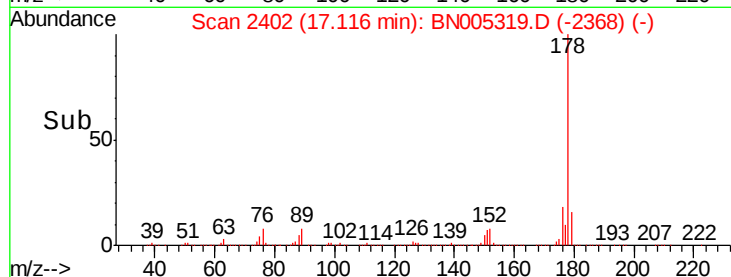
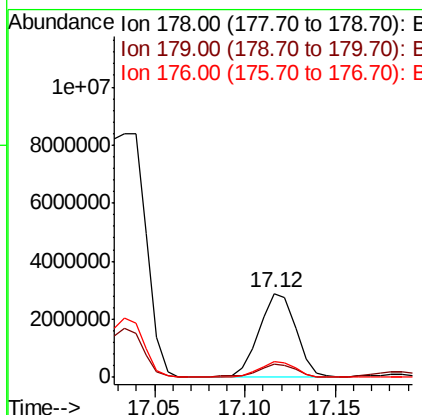
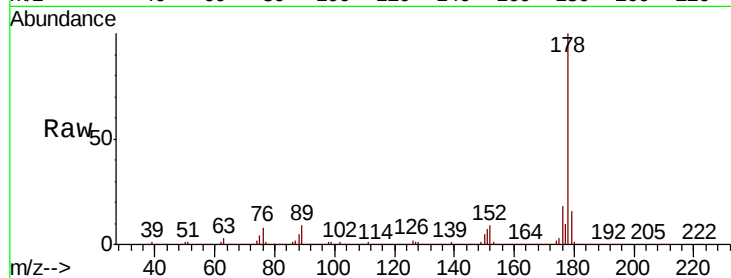
Instrument :
 BNA_N
 ClientSampleId :
 GAHJOME

Tot Ion:178 Resp: 4063485

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	18.5	15.1	22.7

Manual Integrations
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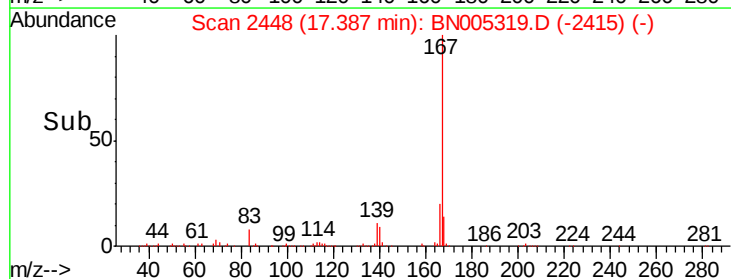
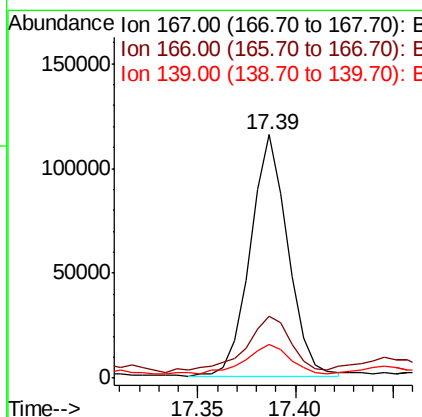
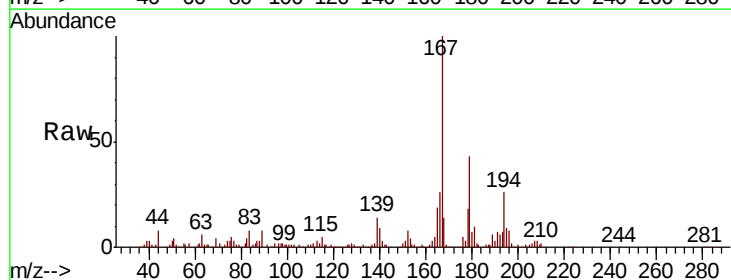
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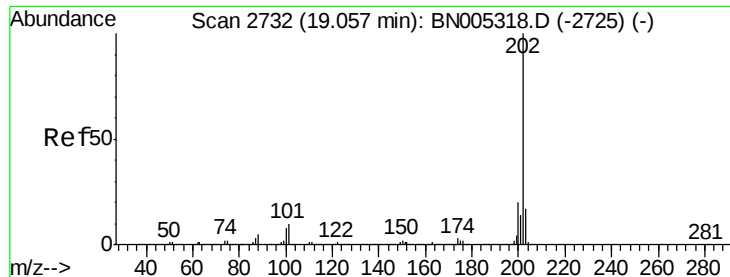


#74
 Carbazole
 Concen: 1.586 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

Tgt Ion:167 Resp: 153463

Ion	Ratio	Lower	Upper
167	100		
166	25.6	17.2	25.8
139	14.0	10.6	16.0





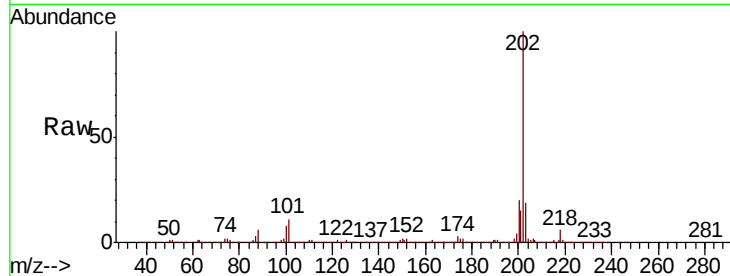
#76
Fluoranthene
Concen: 34.789 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Instrument :
BNA_N
ClientSampleId :
GAHJOME

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.6	12.8
100	7.5	6.3	9.5

Manual Integrations
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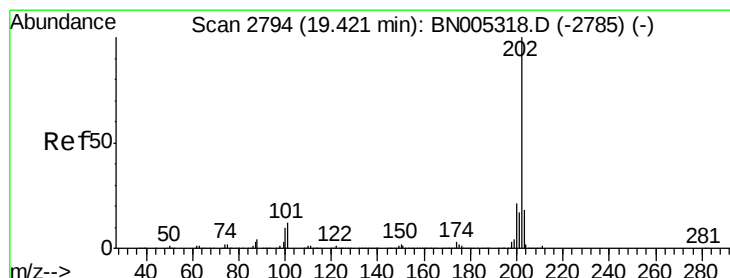
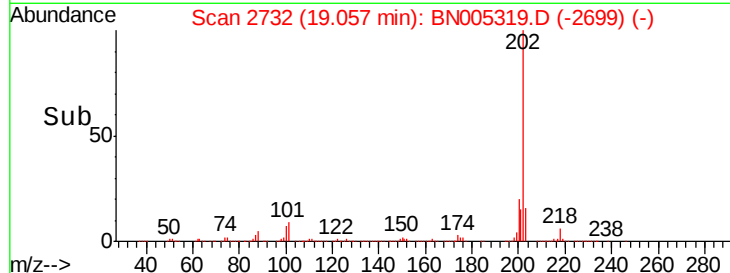
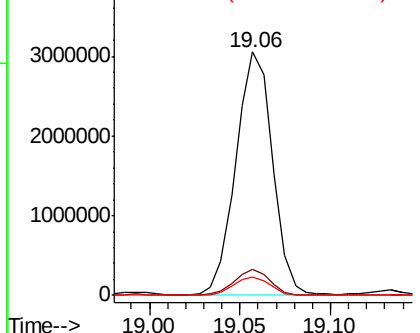


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79
Pyrene
Concen: 45.964 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

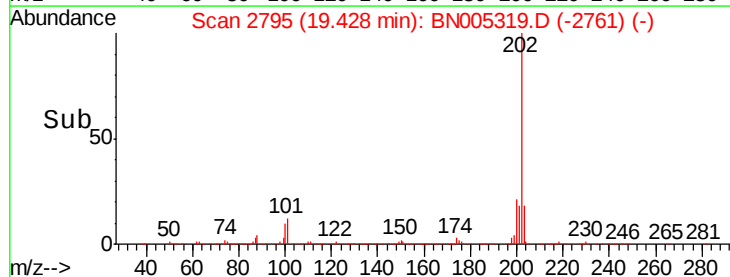
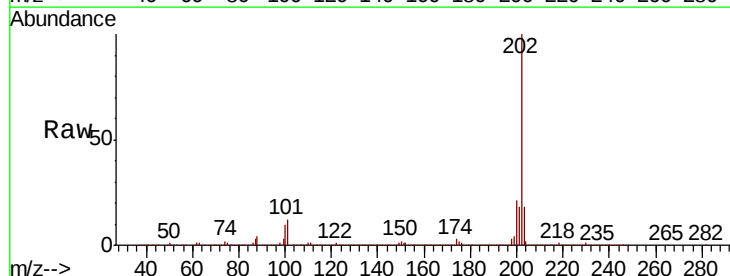
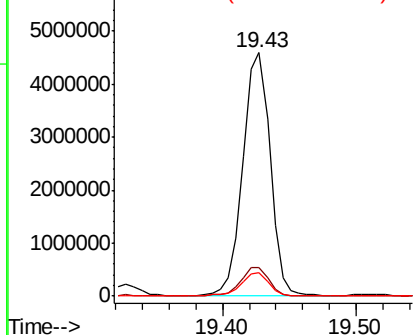
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	10.3	15.5
100	9.5	7.9	11.9

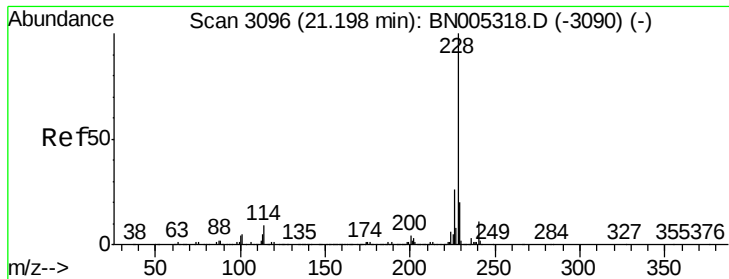
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





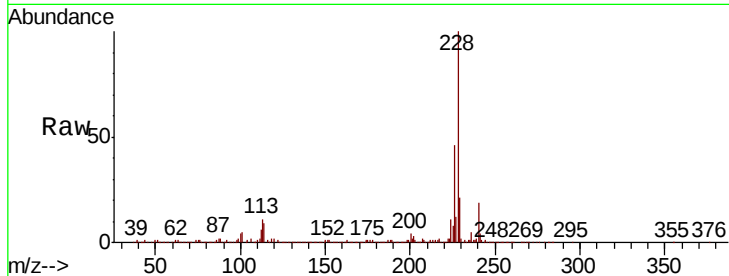
#82
Benzo(a)anthracene
Concen: 18.368 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Instrument :
BNA_N
ClientSampleId :
GAHJOME

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	46.2	21.4	32.2

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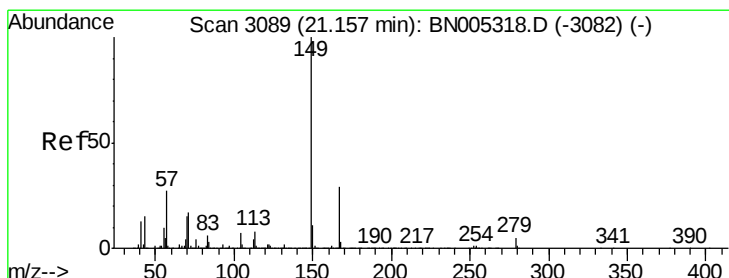
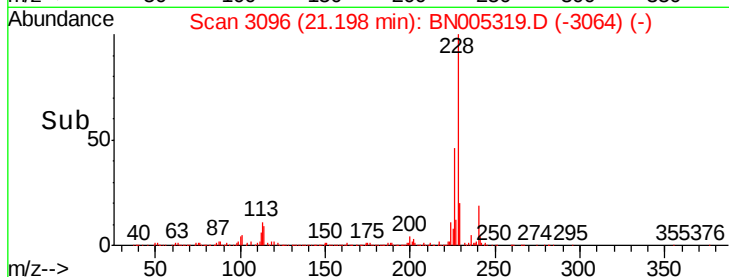
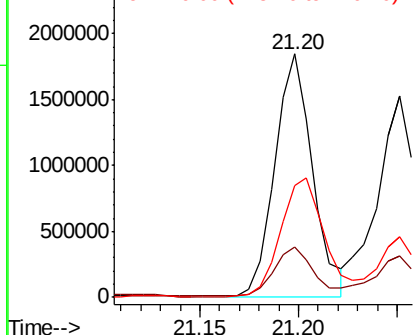


Abundance

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



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.565 ng/ul
RT: 21.15 min Scan# 3088
Delta R.T. -0.02 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

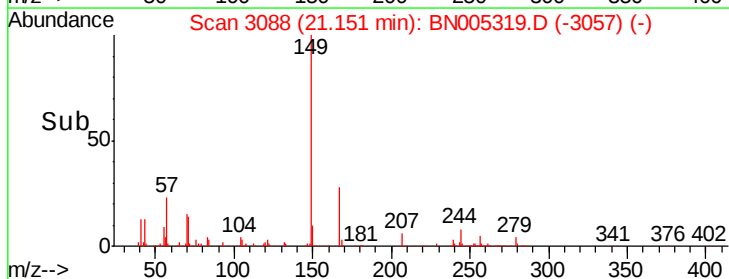
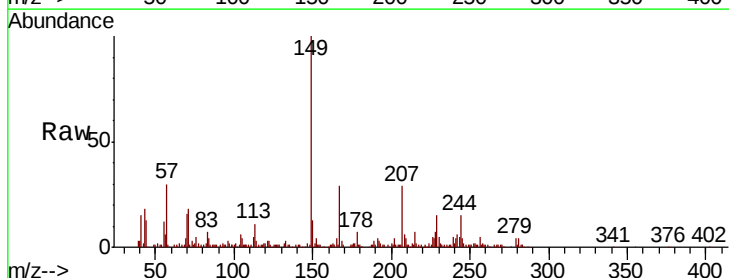
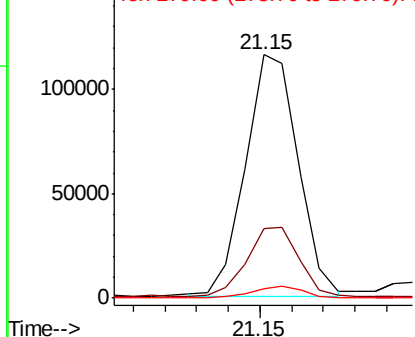
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.3	33.5
279	4.0	3.3	4.9

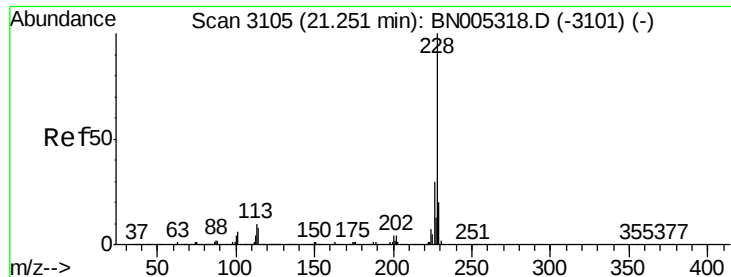
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 16.071 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

Instrument :

BNA_N

ClientSampleId :

GAHJOME

Tot Ion:228 Resp: 2020663

Ion Ratio Lower Upper

228 100

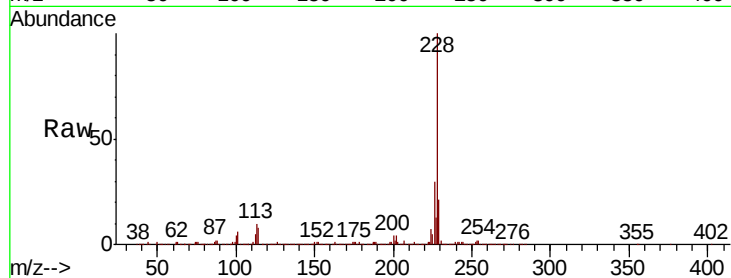
226 29.9 24.0 36.0

229 20.8 15.4 23.0

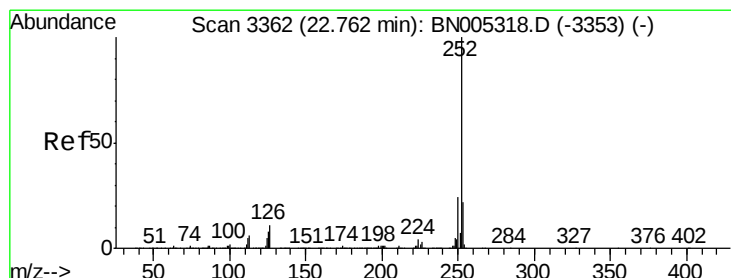
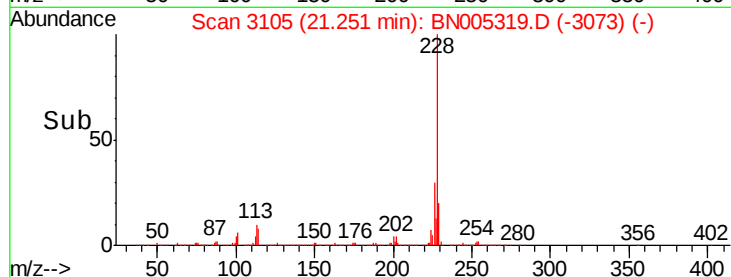
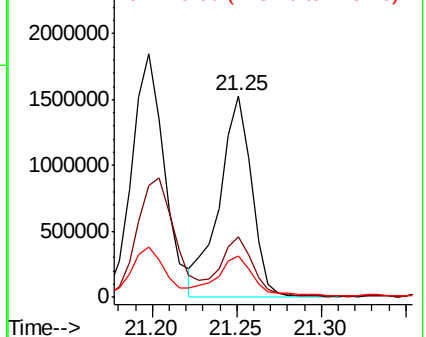
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 9.765 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

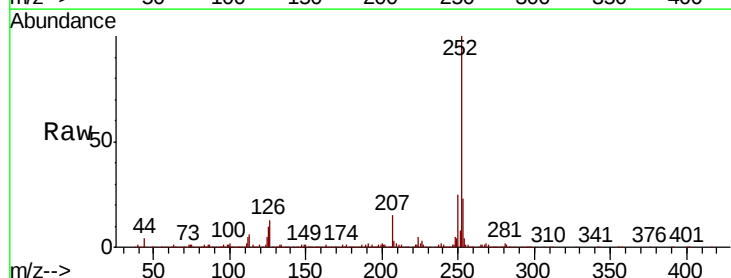
Tgt Ion:252 Resp: 1154542

Ion Ratio Lower Upper

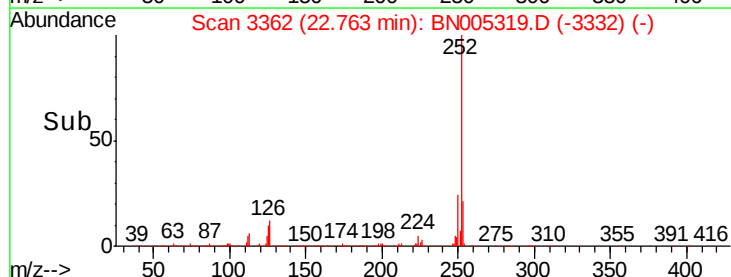
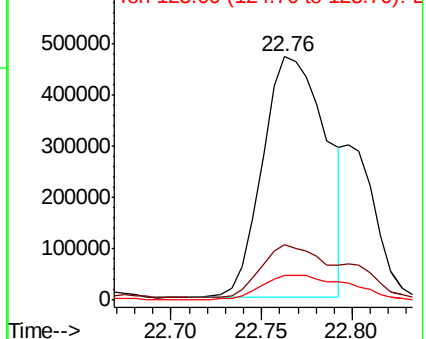
252 100

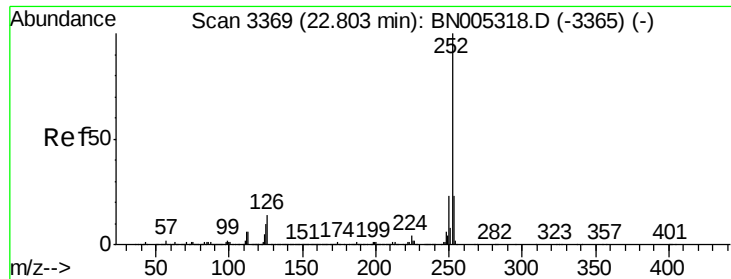
253 22.5 17.7 26.5

125 10.2 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





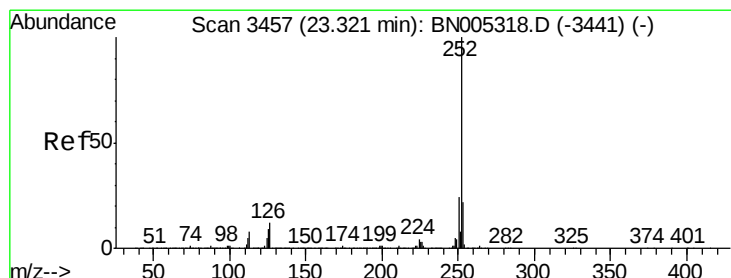
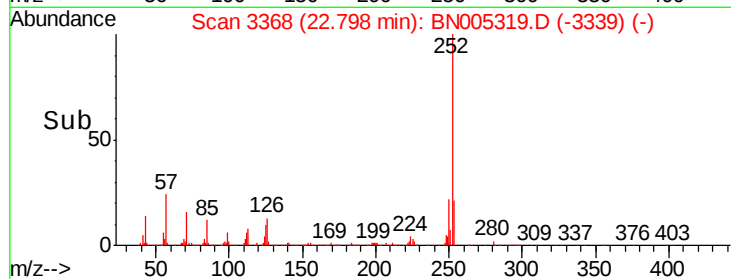
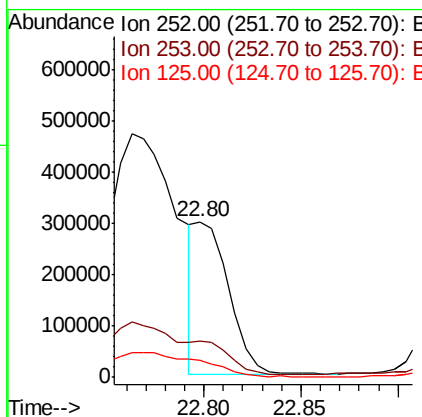
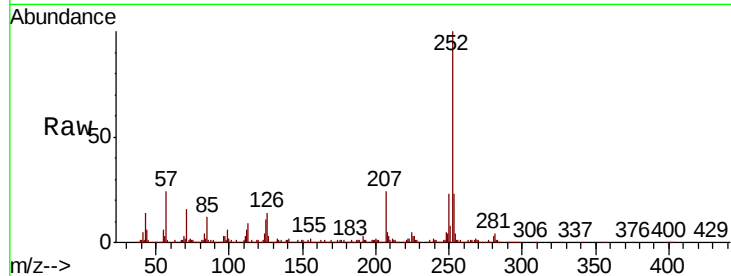
#88
Benzo(k)fluoranthene
Concen: 3.155 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.03 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Instrument :
BNA_N
ClientSampleId :
GAHJOME

Tot Ion:	252	Resp:	356232
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	10.6	7.5	11.3

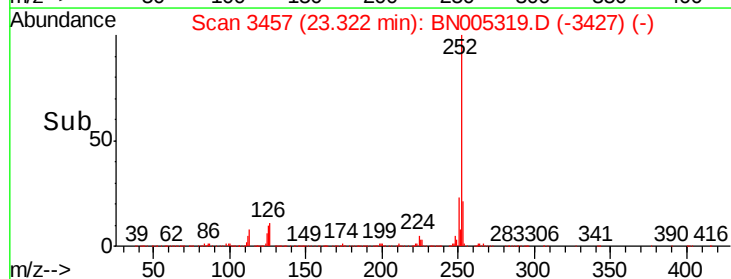
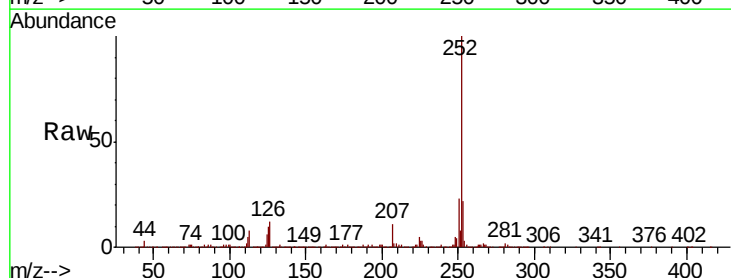
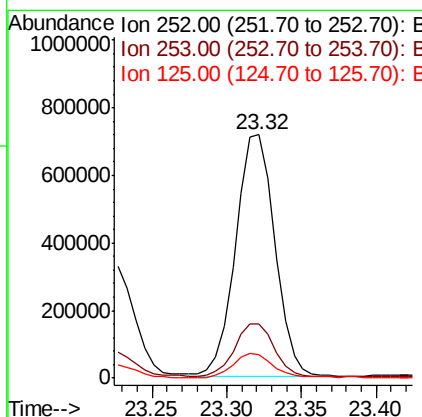
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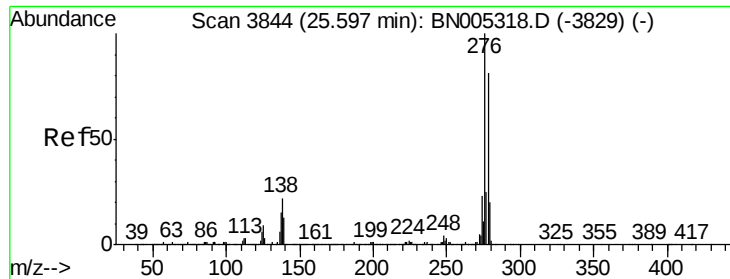
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#90
Benzo(a)pyrene
Concen: 11.748 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.02 min
Lab File: BN005319.D
Acq: 26 Apr 2019 17:01

Tgt Ion:	252	Resp:	1305562
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	9.9	8.6	13.0





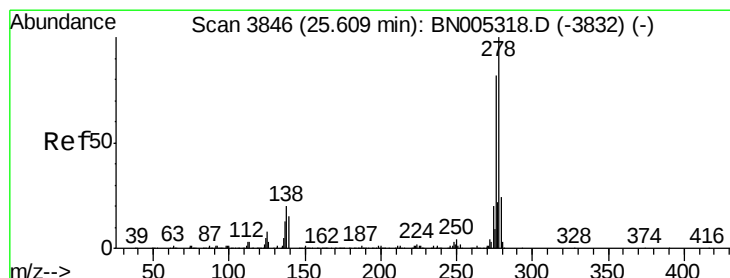
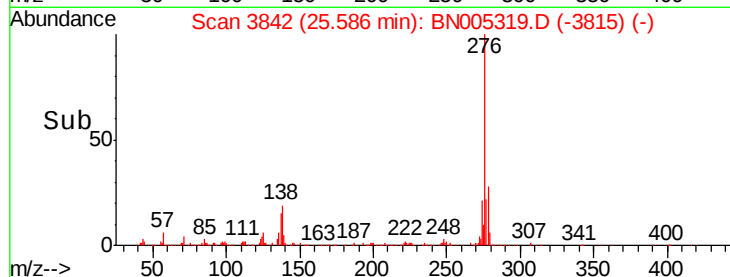
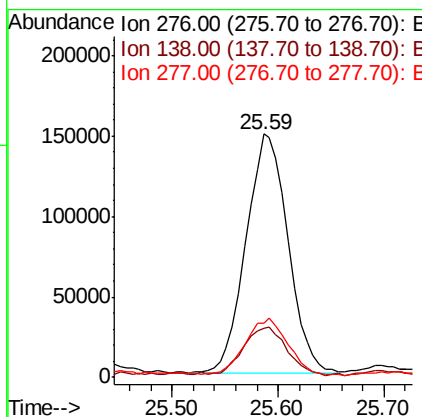
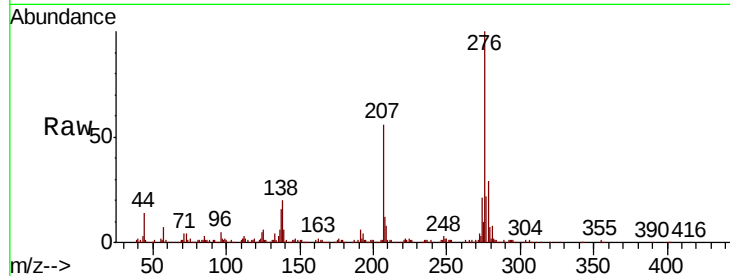
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 3.333 ng/ul
 RT: 25.59 min Scan# 3842
 Delta R.T. -0.04 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

Instrument :
 BNA_N
 ClientSampleId :
 GAHJOME

Tot Ion:	276	Resp:	409464
Ion Ratio	Lower	Upper	
276	100		
138	20.2	17.9	26.9
277	22.5	19.7	29.5

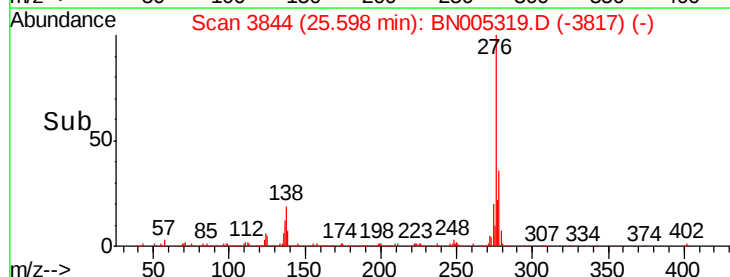
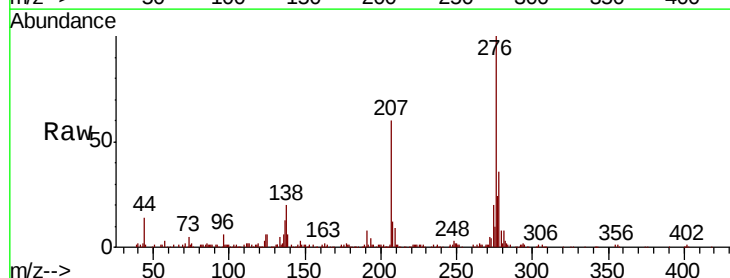
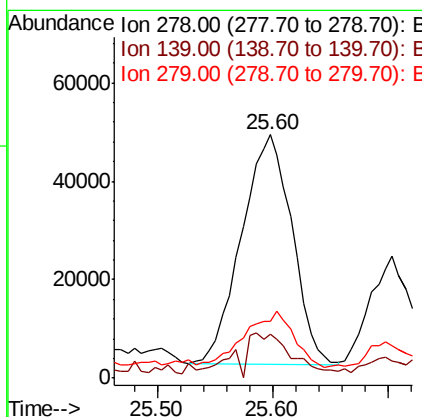
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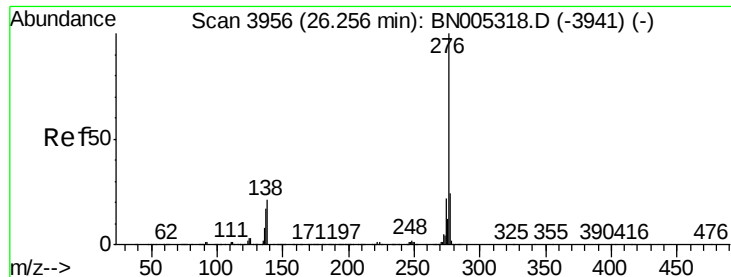
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#92
 Dibenzo(a,h)anthracene
 Concen: 1.367 ng/ul
 RT: 25.60 min Scan# 3844
 Delta R.T. -0.04 min
 Lab File: BN005319.D
 Acq: 26 Apr 2019 17:01

Tgt Ion:	278	Resp:	142567
Ion Ratio	Lower	Upper	
278	100		
139	17.8	13.1	19.7
279	23.1	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 2.271 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.03 min

Lab File: BN005319.D

Acq: 26 Apr 2019 17:01

Instrument :

BNA_N

ClientSampleId :

GAHJOME

Tot Ion:	276	Resp:	230675
Ion Ratio	Lower	Upper	
276	100		
138	19.0	16.7	25.1
277	26.4	18.2	27.2

Manual Integrations
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