

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005331.D
 Acq On : 26 Apr 2019 23:57
 Operator : JU/SJ
 Sample : K2455-22ME
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHS2ME

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:35 PM

Quant Time: Apr 27 03:41:35 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	426644	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1822086	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1154028	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2623897	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2477360	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2345107	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	32990	3.73	ng/uL	0.00
5) Phenol-d5	6.78	99	690529	20.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	444299	21.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	573858	22.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	443255	16.92	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	340569	30.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	346051	30.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	583647	22.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	829332	30.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2055717	24.54	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2477571	24.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	306028	23.14	ng/ul	0.00
57) Fluorene-d10	15.23	176	1762738	25.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	248959	21.10	ng/ul	0.00
70) Anthracene-d10	17.09	188	2844688	25.86	ng/ul	0.00
78) Pyrene-d10	19.40	212	3293713	25.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	2726734	26.61	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	30770011m	363.257	ng/ul	
34) 2-Methylnaphthalene	12.04	142	23172975m	373.622	ng/ul	
40) 1,1'-Biphenyl	13.06	154	2648084	30.797	ng/ul	99
47) Acenaphthylene	13.95	152	6991058	69.139	ng/ul#	96
49) Acenaphthene	14.29	153	950628	13.771	ng/ul	100
53) Dibenzofuran	14.63	168	959103	9.650	ng/ul	99
58) Fluorene	15.29	166	5113920	65.940	ng/ul	98
69) Phenanthrene	17.03	178	17120944m	133.979	ng/ul	
71) Anthracene	17.12	178	4795378	36.837	ng/ul	100
74) Carbazole	17.39	167	134039	1.199	ng/ul#	90
76) Fluoranthene	19.06	202	5554060	39.185	ng/ul	99
79) Pyrene	19.43	202	8277524	51.894	ng/ul	99
82) Benzo(a)anthracene	21.20	228	3078261m	19.973	ng/ul	
84) Chrysene	21.25	228	2541691	17.770	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	1405597	10.663	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	520562m	4.135	ng/ul	
90) Benzo(a)pyrene	23.32	252	1643185	13.261	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	508236	3.710	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	162244	1.395	ng/ul	93
93) Benzo(g,h,i)perylene	26.26	276	412754	3.644	ng/ul	98

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

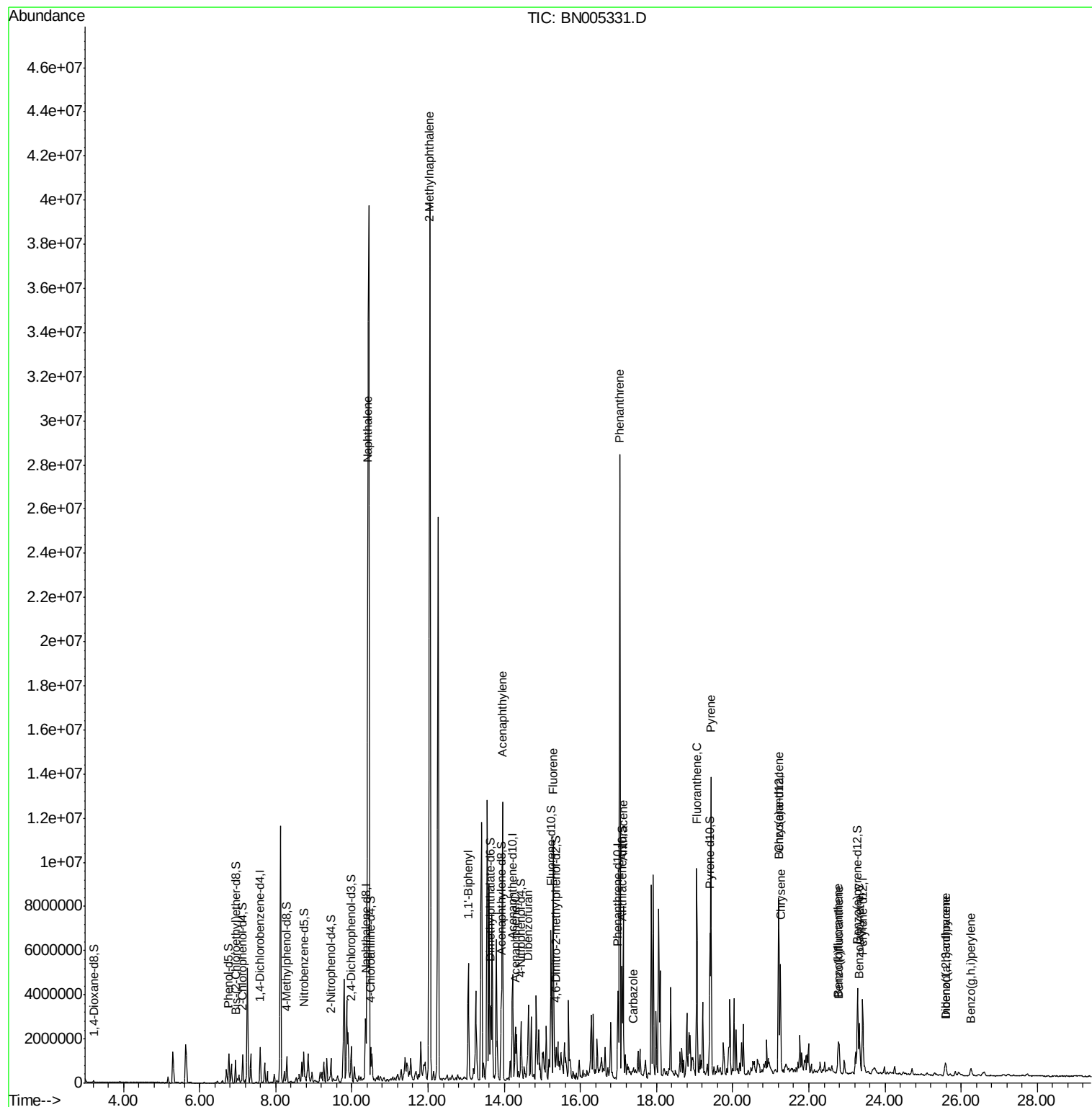
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
Data File : BN005331.D
Acq On : 26 Apr 2019 23:57
Operator : JU/SJ
Sample : K2455-22ME
Misc :
ALS Vial : 15 Sample Multiplier: 1

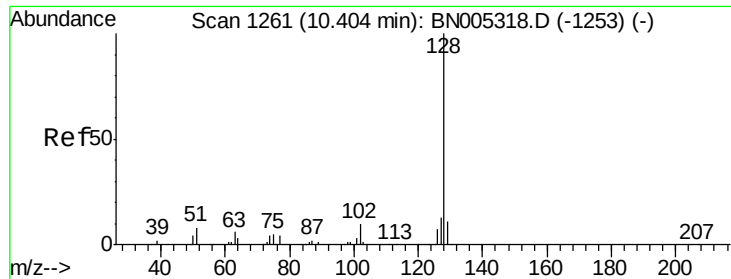
Instrument :
BNA_N
ClientSampleId :
GAHS2ME

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Quant Time: Apr 27 03:41:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





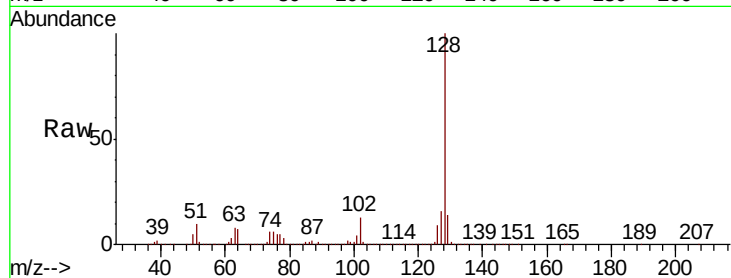
#28
Naphthalene
Concen: 363.257 ng/ul m
RT: 10.41 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Instrument :
BNA_N
ClientSampleId :
GAHS2ME

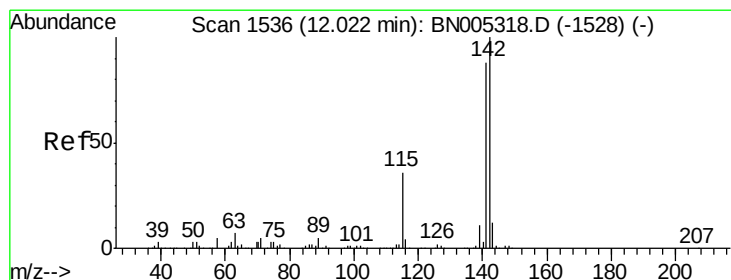
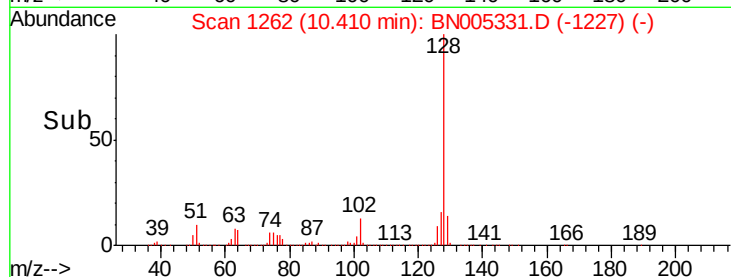
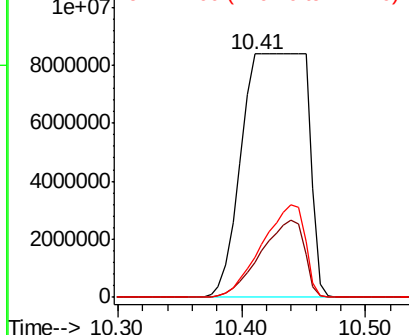
Tot Ion:128 Resp:30770011
Ion Ratio Lower Upper
128 100
129 14.3 9.2 13.8#
127 16.3 10.7 16.1#

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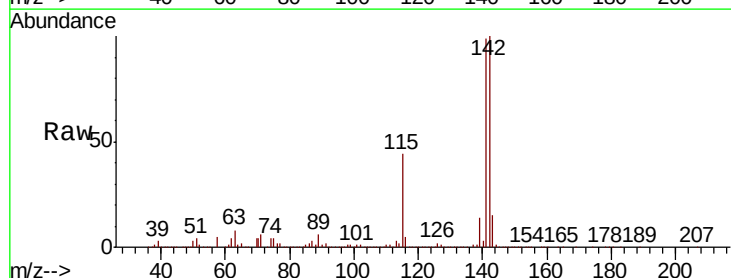


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

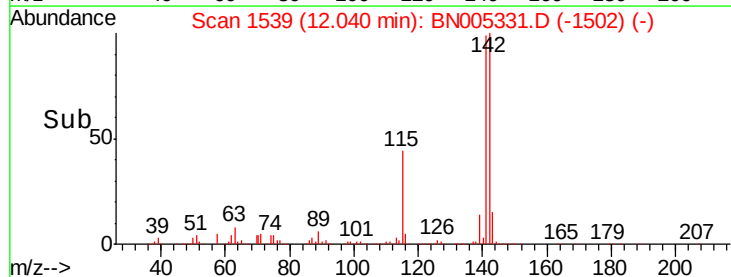
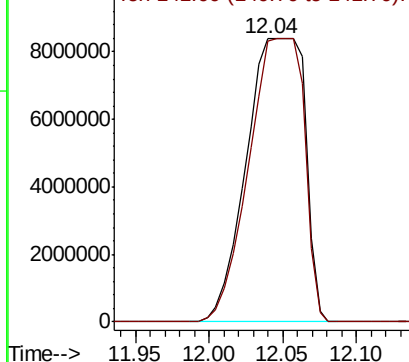


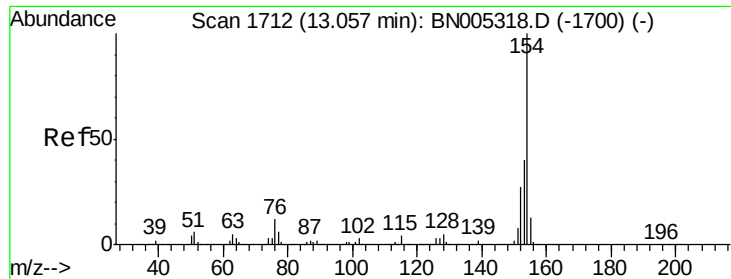
#34
2-Methylnaphthalene
Concen: 373.622 ng/ul m
RT: 12.04 min Scan# 1539
Delta R.T. 0.02 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Tgt Ion:142 Resp:23172975
Ion Ratio Lower Upper
142 100
141 99.0 72.0 108.0



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





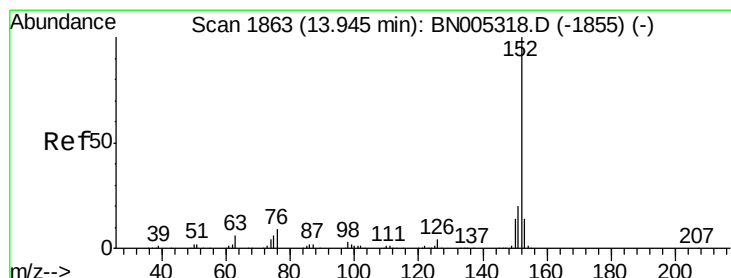
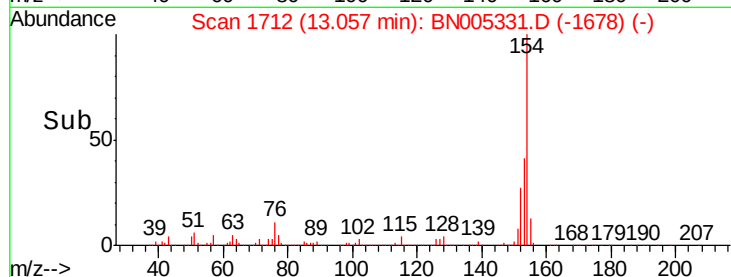
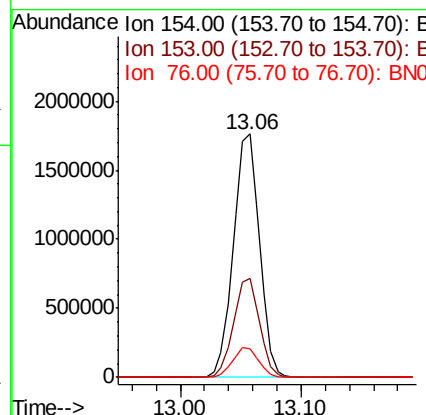
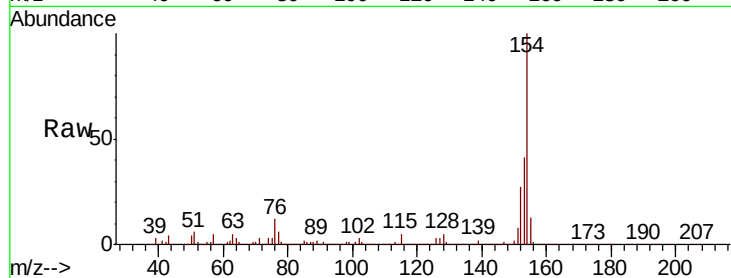
#40
1,1'-Biphenyl
Concen: 30.797 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Instrument :
BNA_N
ClientSampleId :
GAHS2ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.6	49.0
76	11.5	10.4	15.6

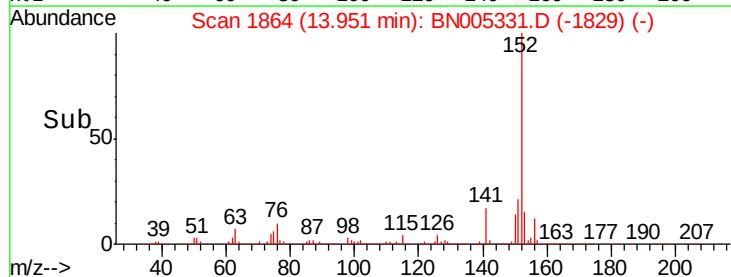
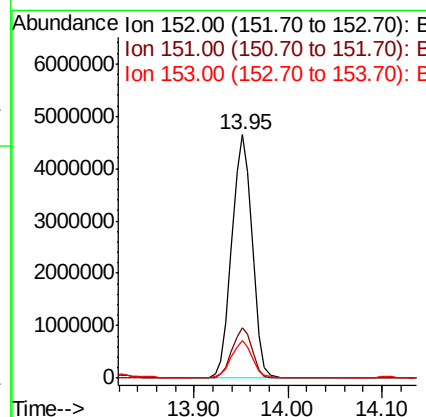
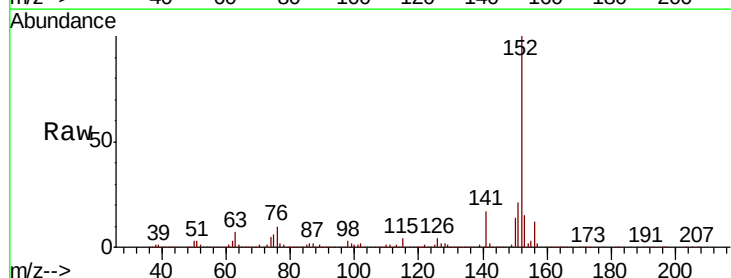
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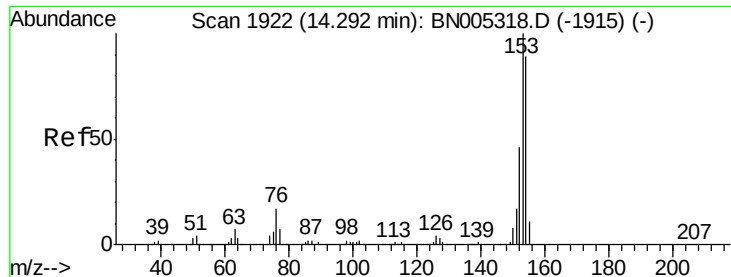
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#47
Acenaphthylene
Concen: 69.139 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.8
153	15.2	9.8	14.8





#49

Acenaphthene

Concen: 13.771 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

Instrument :

BNA_N

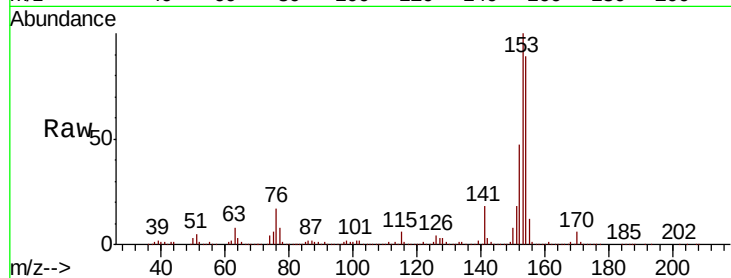
ClientSampleId :

GAHS2ME

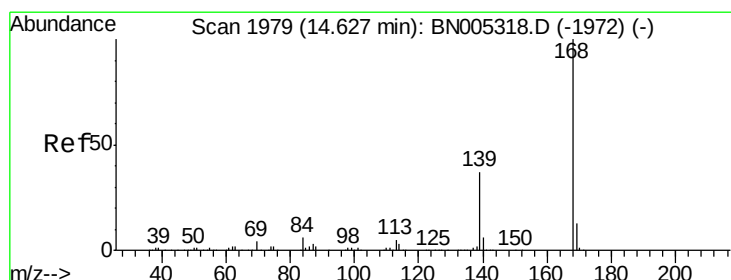
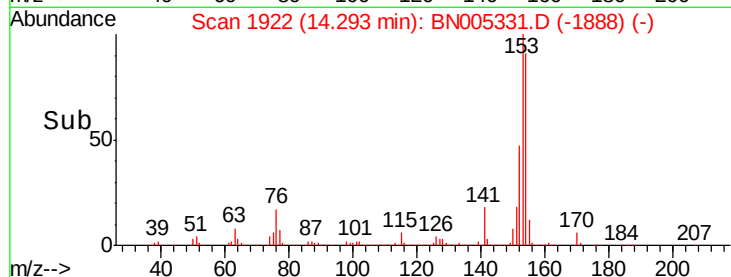
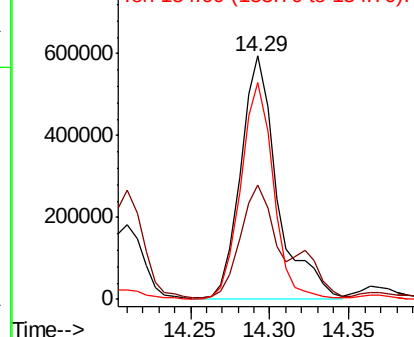
Tot Ion:	153	Resp:	950628
Ion Ratio		Lower	Upper
153	100		
152	47.2	37.4	56.0
154	89.0	71.2	106.8

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 9.650 ng/ul

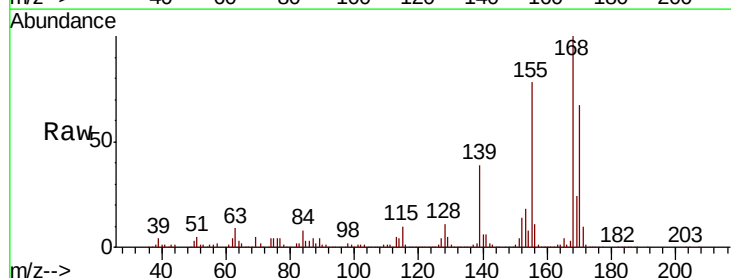
RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

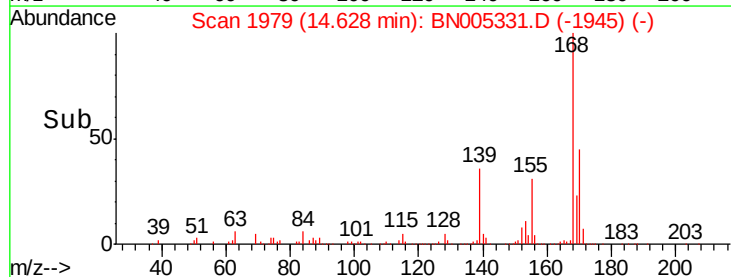
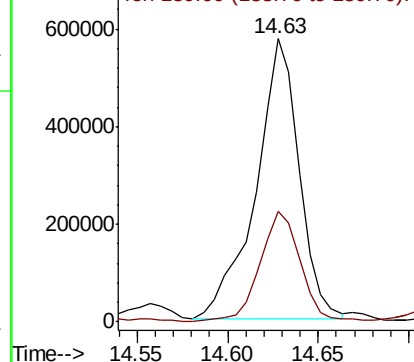
Lab File: BN005331.D

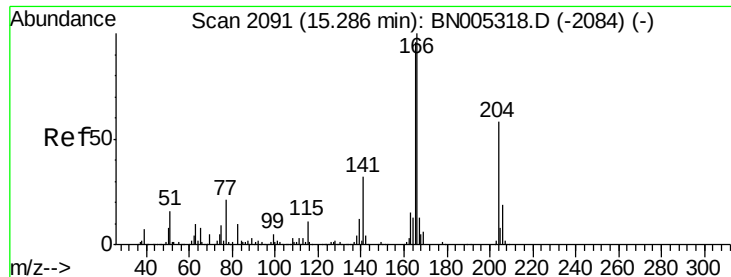
Acq: 26 Apr 2019 23:57

Tgt Ion:	168	Resp:	959103
Ion Ratio		Lower	Upper
168	100		
139	39.3	30.9	46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





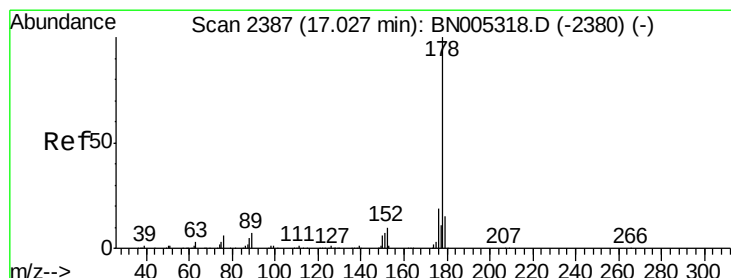
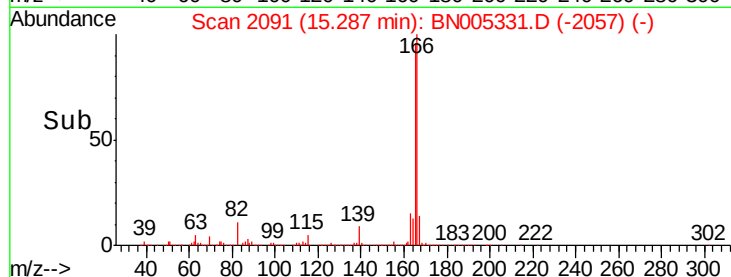
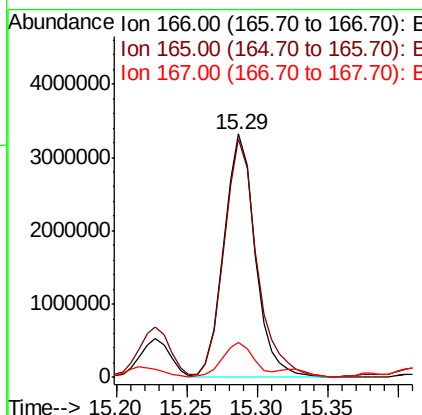
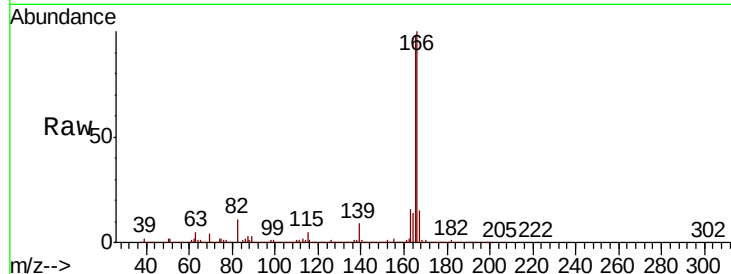
#58
 Fluorene
 Concen: 65.940 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005331.D
 Acq: 26 Apr 2019 23:57

Instrument :
 BNA_N
 ClientSampleId :
 GAHS2ME

Tot Ion:166 Resp: 5113920
 Ion Ratio Lower Upper
 166 100
 165 98.0 80.0 120.0
 167 14.6 10.7 16.1

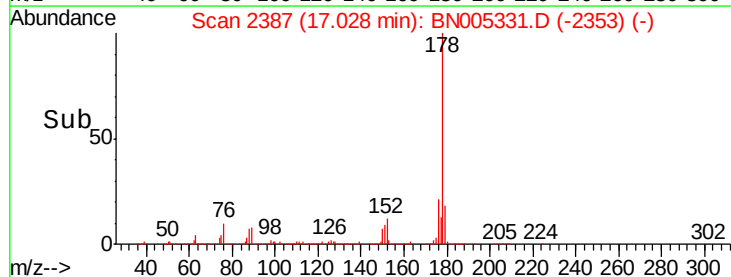
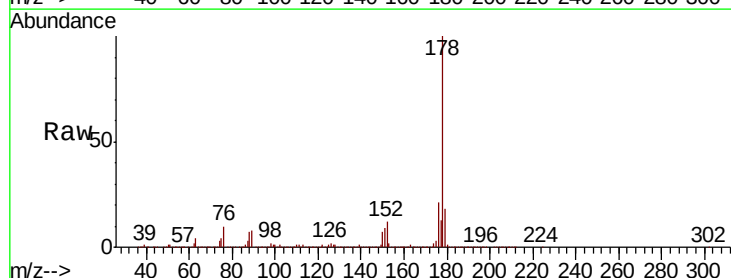
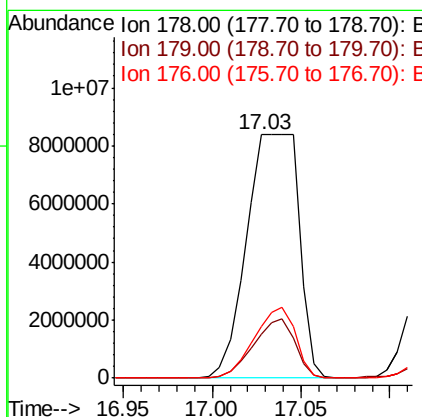
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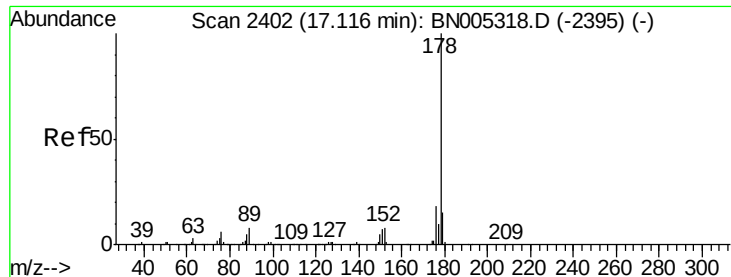
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#69
 Phenanthrene
 Concen: 133.979 ng/ul m
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BN005331.D
 Acq: 26 Apr 2019 23:57

Tgt Ion:178 Resp:17120944
 Ion Ratio Lower Upper
 178 100
 179 17.9 12.2 18.4
 176 21.4 15.1 22.7





#71

Anthracene

Concen: 36.837 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

Instrument :

BNA_N

ClientSampled :

GAHS2ME

Tot Ion:178 Resp: 4795378

Ion Ratio Lower Upper

178 100

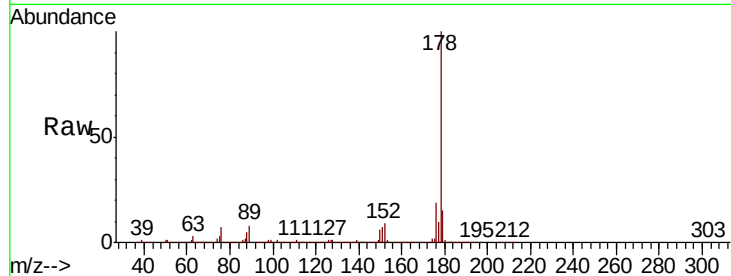
179 15.5 12.3 18.5

176 18.6 15.1 22.7

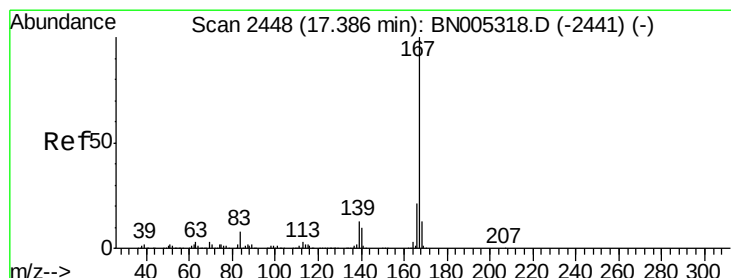
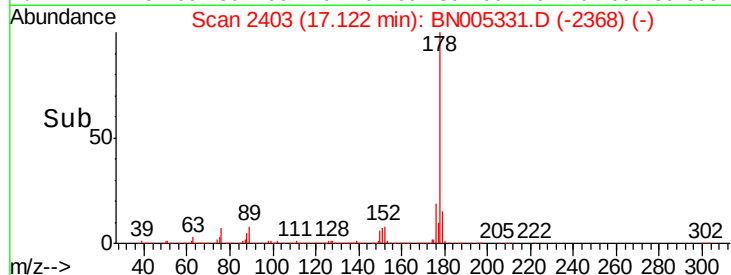
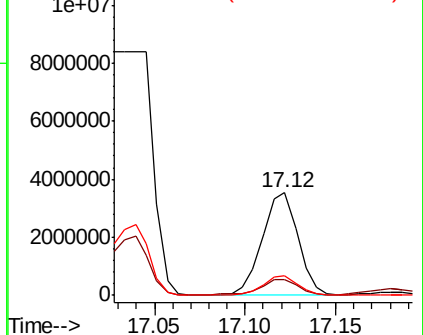
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 1.199 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

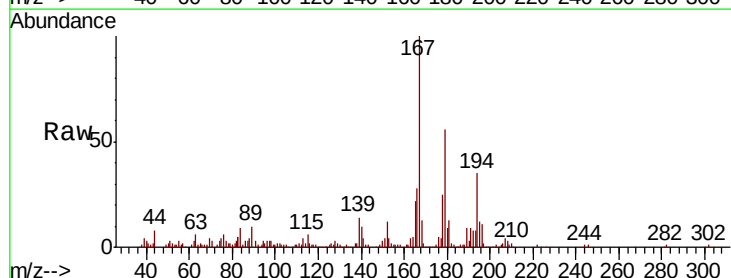
Tgt Ion:167 Resp: 134039

Ion Ratio Lower Upper

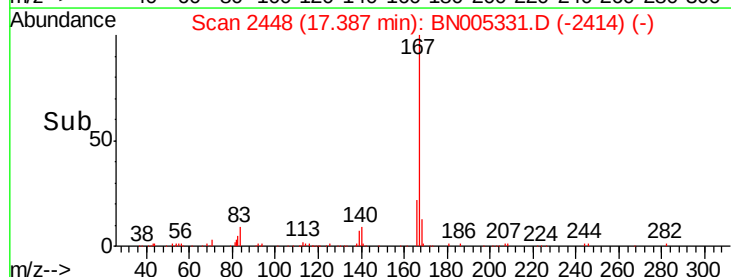
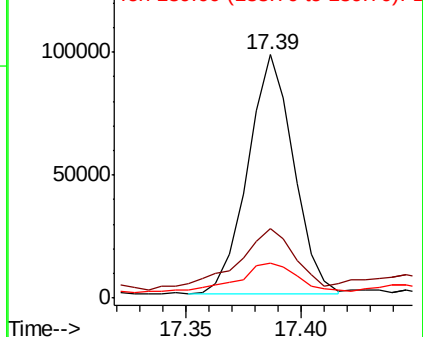
167 100

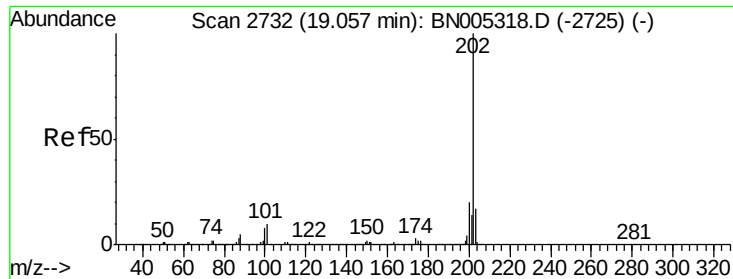
166 28.4 17.2 25.8#

139 14.2 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 39.185 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

Instrument :

BNA_N

ClientSampled :

GAHS2ME

Tot Ion:202 Resp: 5554060

Ion Ratio Lower Upper

202 100

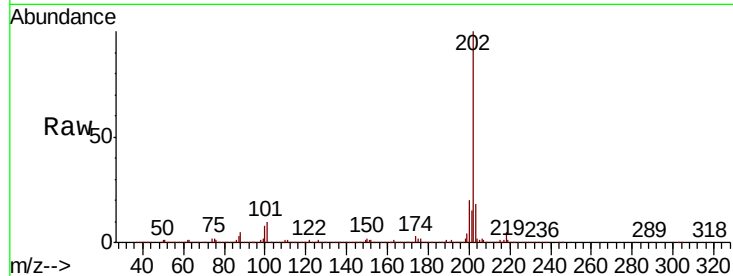
101 10.1 8.6 12.8

100 7.6 6.3 9.5

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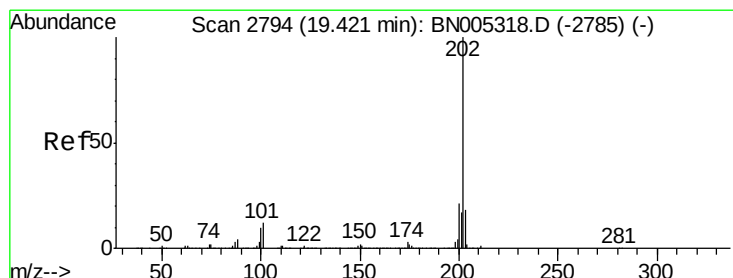
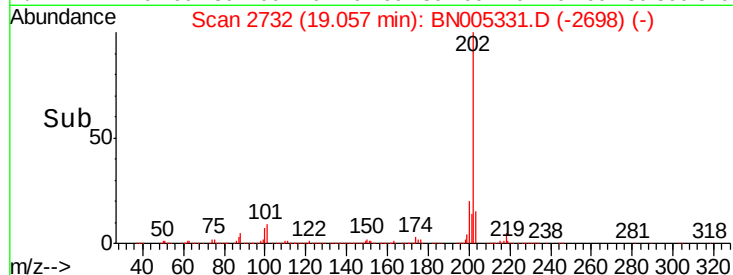
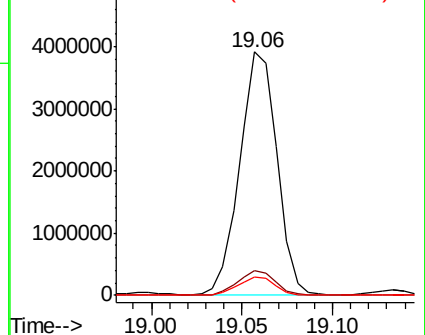
4/29/2019 1:43:35 PM



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: 51.894 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

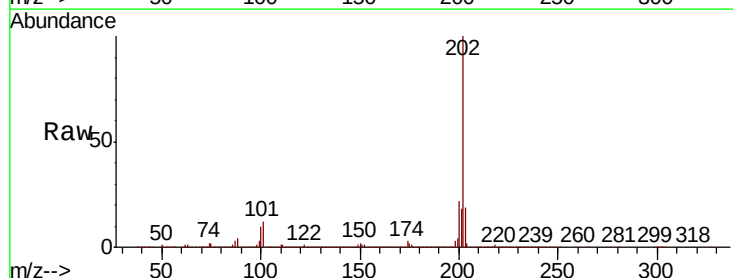
Tgt Ion:202 Resp: 8277524

Ion Ratio Lower Upper

202 100

101 12.2 10.3 15.5

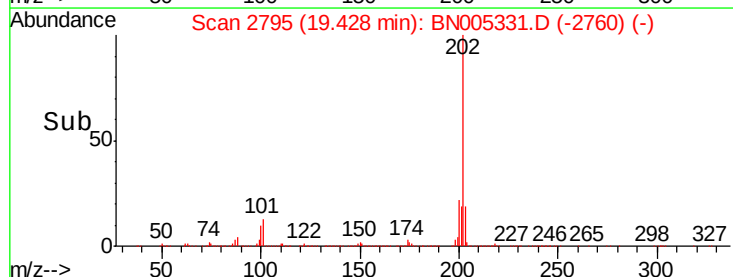
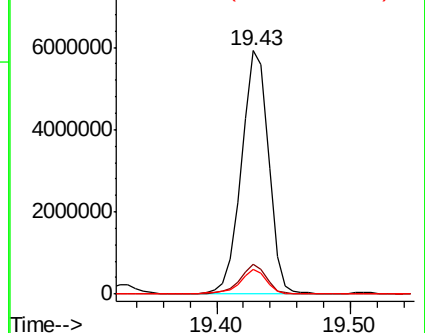
100 9.9 7.9 11.9

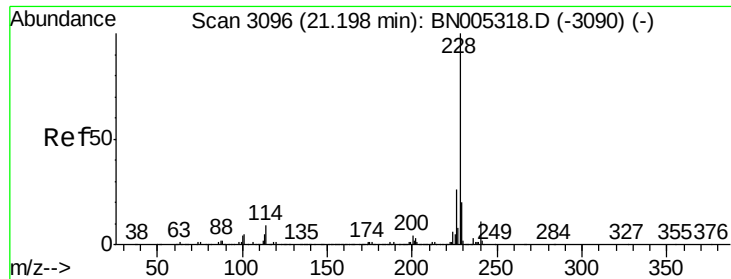


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





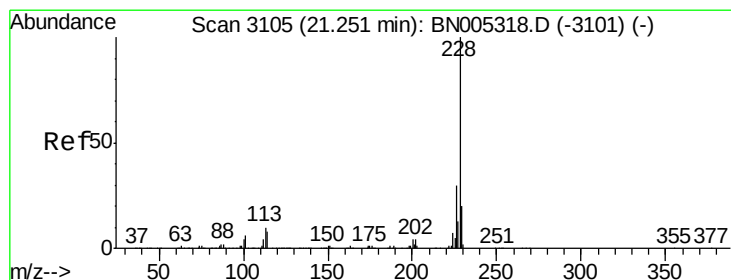
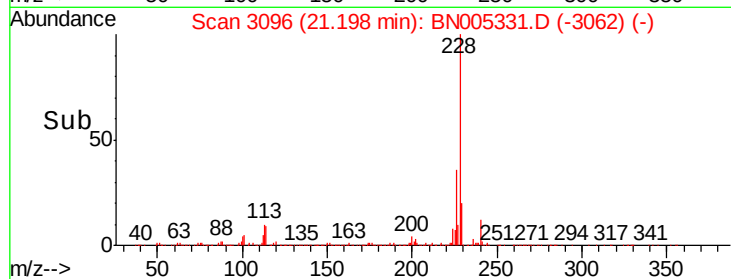
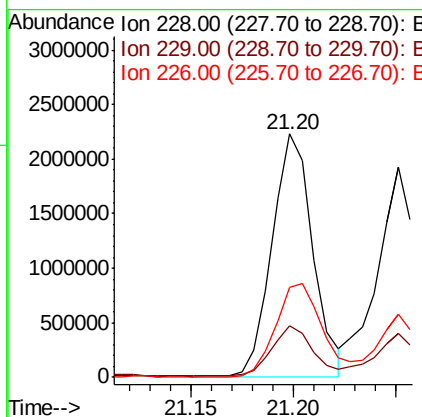
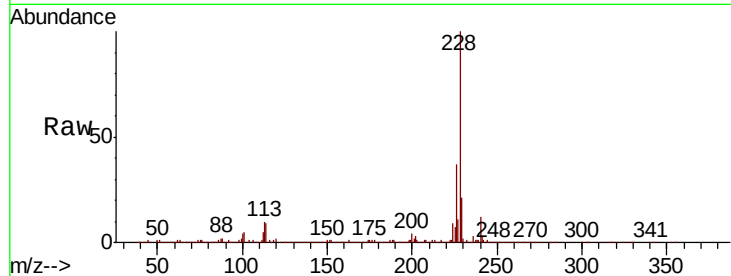
#82
Benzo(a)anthracene
Concen: 19.973 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Instrument :
BNA_N
ClientSampleId :
GAHS2ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.6
226	36.8	21.4	32.2

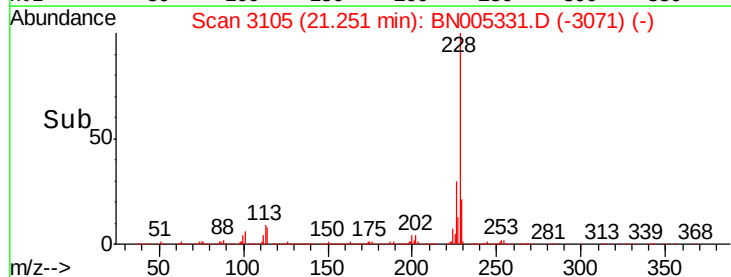
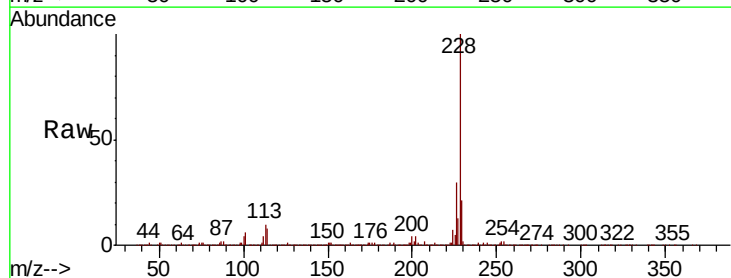
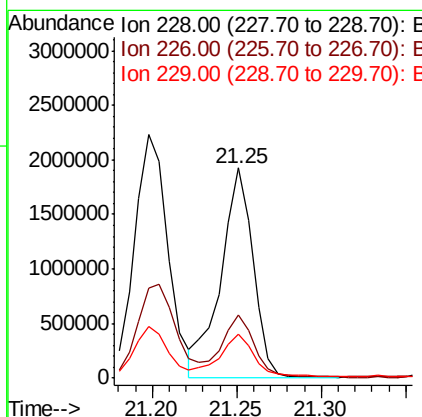
Manual Integrations
APPROVED

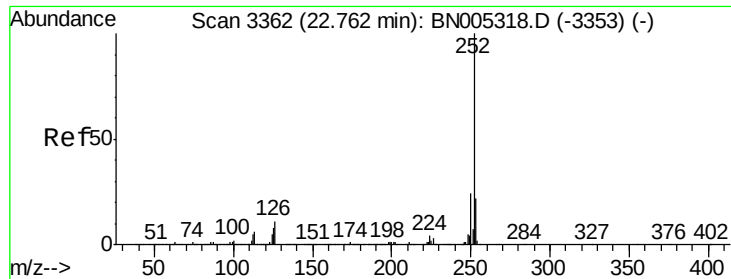
Sohil
4/29/2019 1:43:35 PM



#84
Chrysene
Concen: 17.770 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

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





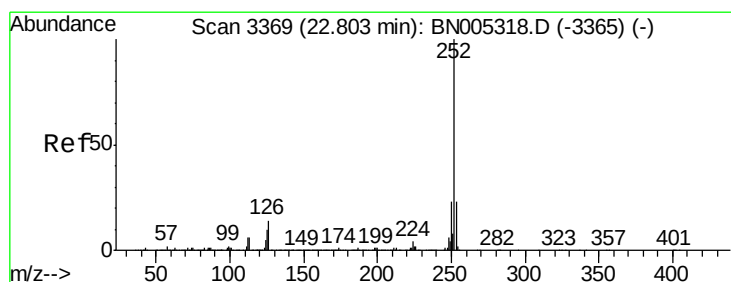
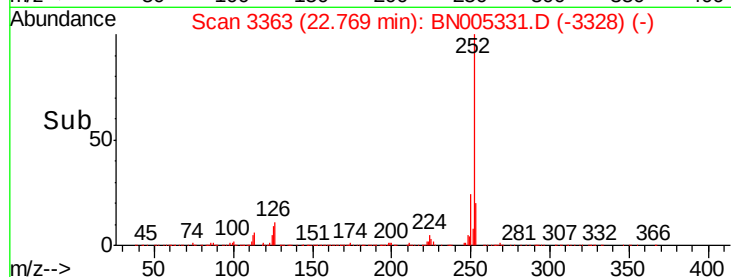
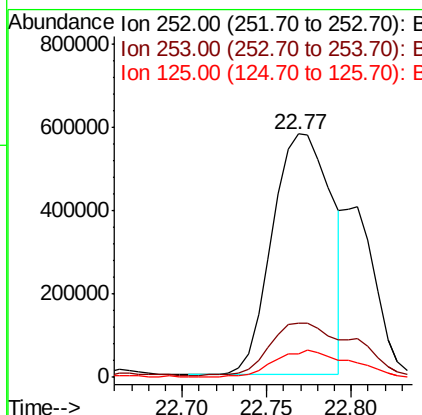
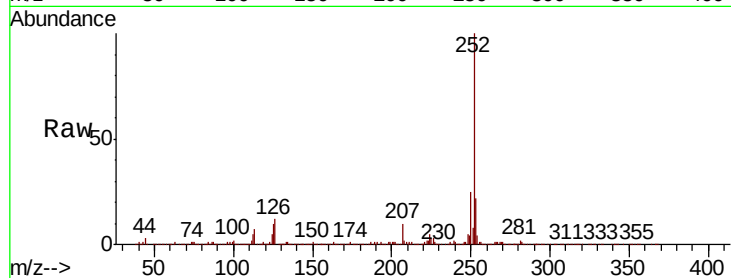
#87
Benzo(b)fluoranthene
Concen: 10.663 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Instrument :
BNA_N
ClientSampleId :
GAHS2ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.8	8.4	12.6

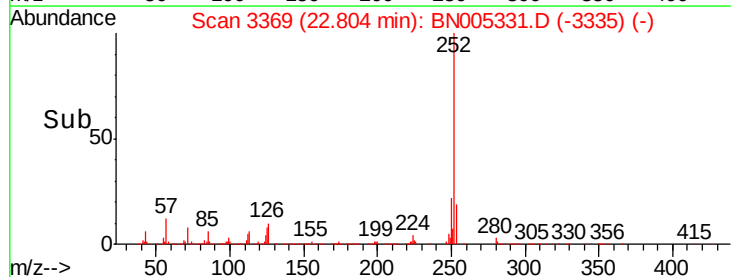
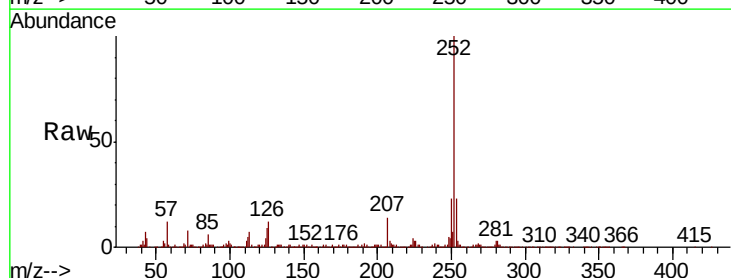
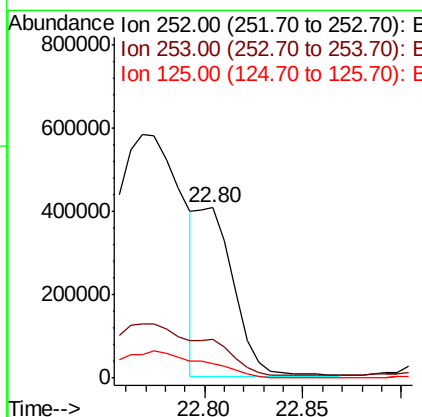
Manual Integrations
APPROVED

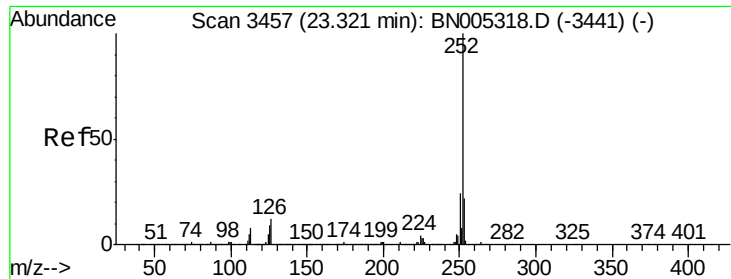
Sohil
4/29/2019 1:43:35 PM



#88
Benzo(k)fluoranthene
Concen: 4.135 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. 0.00 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	8.8	7.5	11.3





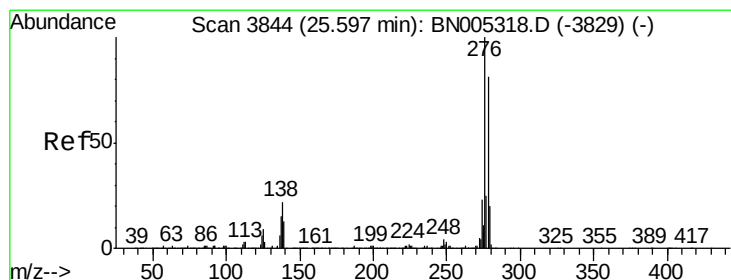
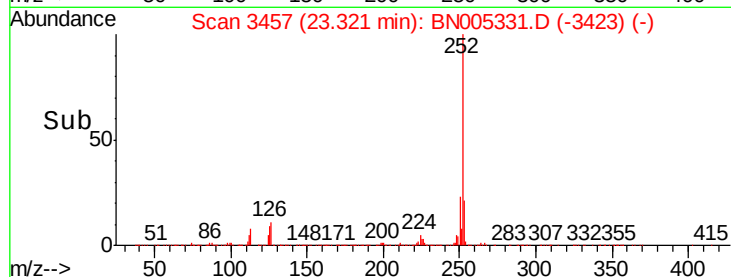
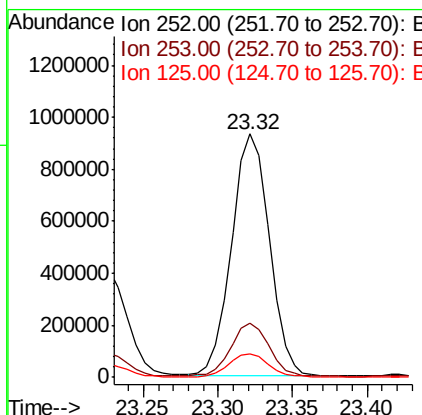
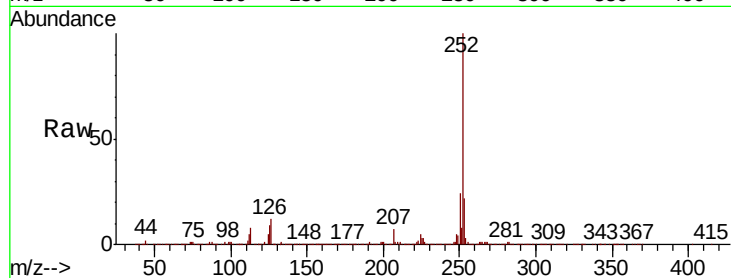
#90
Benzo(a)pyrene
Concen: 13.261 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. 0.00 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Instrument :
BNA_N
ClientSampleId :
GAHS2ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.4	8.6	13.0

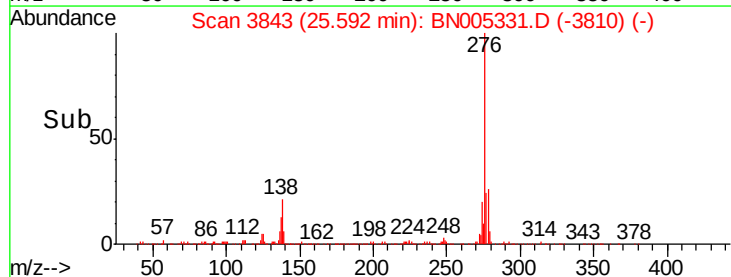
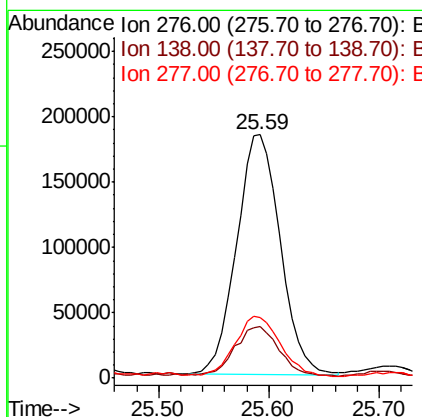
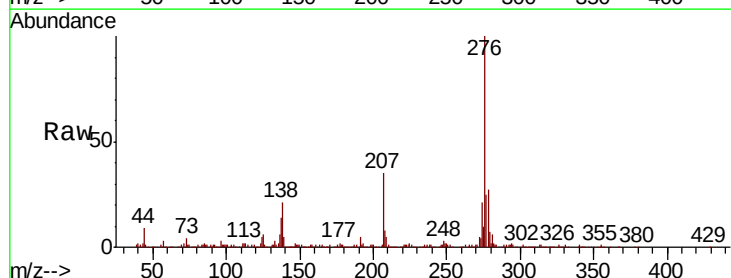
Manual Integrations
APPROVED

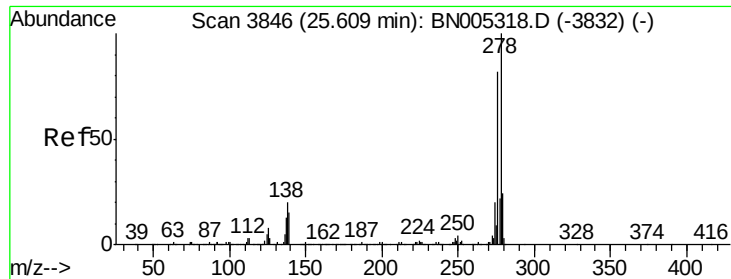
Sohil
4/29/2019 1:43:35 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 3.710 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BN005331.D
Acq: 26 Apr 2019 23:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	17.9	26.9
277	24.8	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.395 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

Instrument :

BNA_N

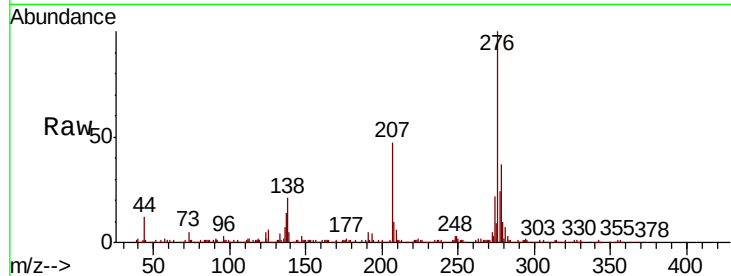
ClientSampleId :

GAHS2ME

Tot Ion:	278	Resp:	162244
Ion Ratio	Lower	Upper	
278	100		
139	13.3	13.1	19.7
279	27.5	19.4	29.0

Manual Integrations
APPROVED

Sohil
4/29/2019 1:43:35 PM

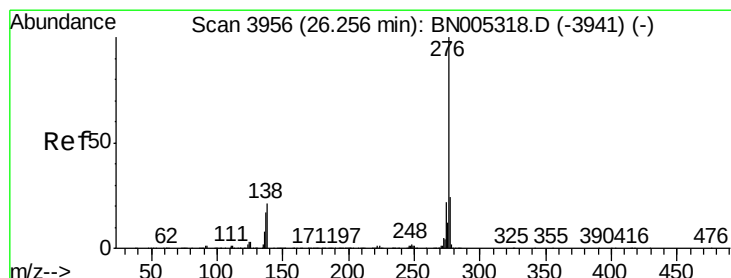
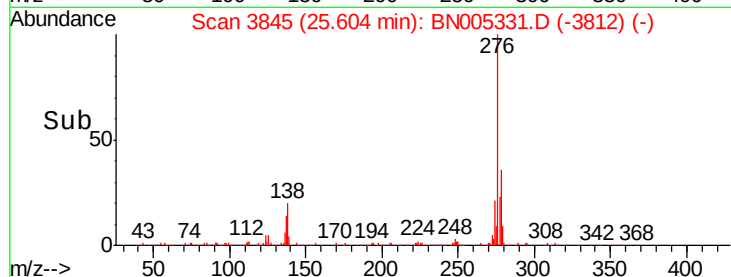
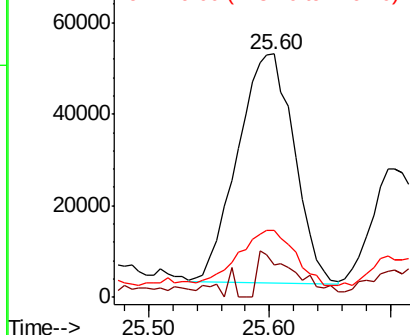


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 3.644 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. 0.00 min

Lab File: BN005331.D

Acq: 26 Apr 2019 23:57

Tgt Ion:	276	Resp:	412754
Ion Ratio	Lower	Upper	
276	100		
138	20.9	16.7	25.1
277	24.8	18.2	27.2

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

