

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005242.D
 Acq On : 24 Apr 2019 07:44
 Operator : JU/SJ
 Sample : K2455-22 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS2

Manual Integrations
 APPROVED

Sohil
 4/25/2019 6:35:43 PM

Quant Time: Apr 25 07:43:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	502131	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	1843063	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.23	164	1186809	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2354815	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1998074	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2310887	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	10473m	1.01	ng/uL	0.00
5) Phenol-d5	6.78	99	75569	1.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	56009	2.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	61317	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	35199	1.14	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	20267	1.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	27255	2.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	57436	2.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	110902m	4.08	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	237207	2.75	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	254991	2.41	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	37682	2.77	ng/ul	0.01
57) Fluorene-d10	15.23	176	193948	2.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	1123	0.11	ng/ul	0.00
70) Anthracene-d10	17.10	188	261669	2.65	ng/ul	0.01
78) Pyrene-d10	19.40	212	277741	2.72	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	257729	2.55	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.42	128	51511132m	601.197	ng/ul	
34) 2-Methylnaphthalene	12.05	142	39911882m	636.182	ng/ul	
40) 1,1'-Biphenyl	13.07	154	7001655	79.179	ng/ul	99
47) Acenaphthylene	13.96	152	15963725	153.515	ng/ul#	90
49) Acenaphthene	14.30	153	2572956	36.243	ng/ul	99
53) Dibenzofuran	14.64	168	2580426	25.246	ng/ul	92
58) Fluorene	15.30	166	12052705	151.117	ng/ul	98
69) Phenanthrene	17.03	178	24960898m	217.651	ng/ul	
71) Anthracene	17.13	178	10248912	87.727	ng/ul	98
74) Carbazole	17.39	167	310538	3.094	ng/ul#	89
76) Fluoranthene	19.07	202	11143141	87.600	ng/ul	100
79) Pyrene	19.43	202	15487120m	120.382	ng/ul	
82) Benzo(a)anthracene	21.20	228	6341706m	51.019	ng/ul	
84) Chrysene	21.26	228	5230754	45.342	ng/ul	98
87) Benzo(b)fluoranthene	22.78	252	3348102	25.774	ng/ul	100
88) Benzo(k)fluoranthene	22.81	252	1292644m	10.419	ng/ul	
90) Benzo(a)pyrene	23.33	252	4157965	34.054	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	1491916	11.052	ng/ul	97
92) Dibenzo(a,h)anthracene	25.60	278	484264	4.227	ng/ul	97
93) Benzo(g,h,i)perylene	26.26	276	1190479	10.665	ng/ul	99

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

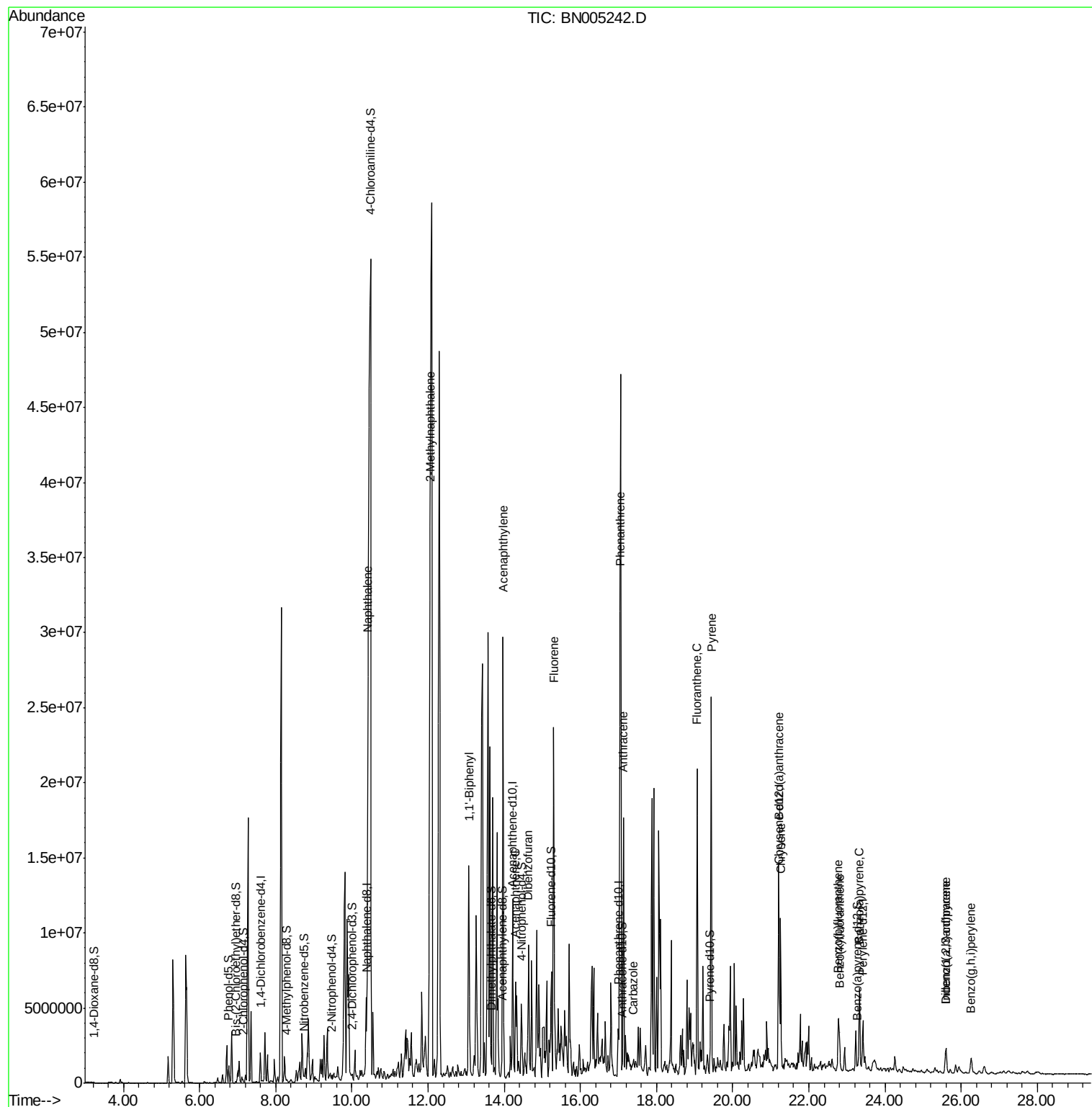
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
Data File : BN005242.D
Acq On : 24 Apr 2019 07:44
Operator : JU/SJ
Sample : K2455-22 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

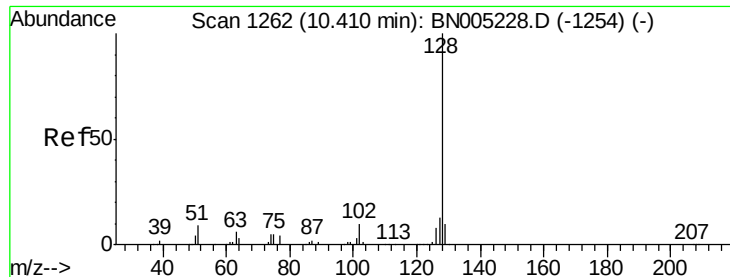
Instrument :
BNA_N
ClientSampleId :
GAHS2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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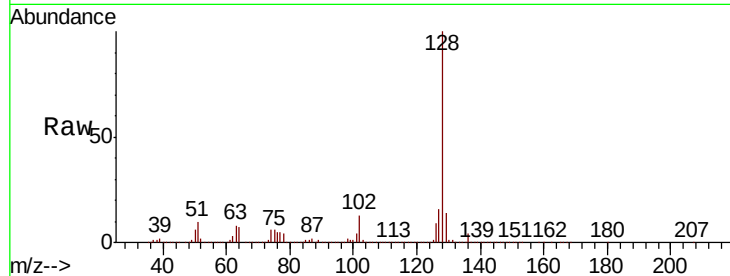
#28
Naphthalene
Concen: 601.197 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

Instrument :
BNA_N
ClientSampled :
GAHS2

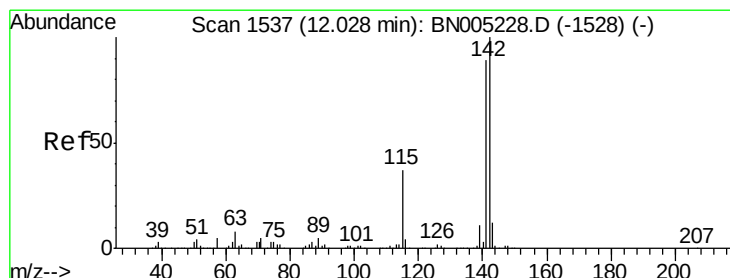
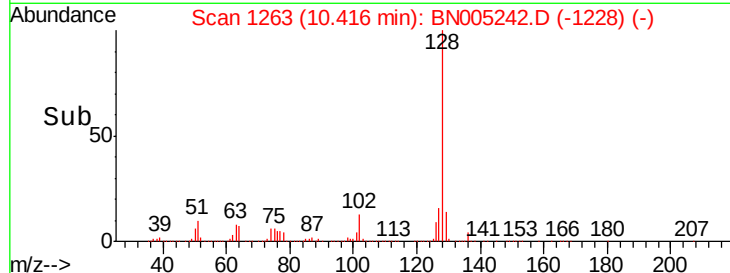
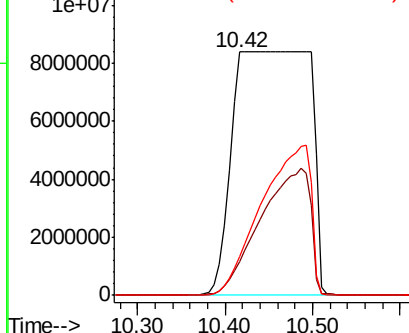
Tot Ion:128 Resp:51511132
Ion Ratio Lower Upper
128 100
129 14.0 9.2 13.8#
127 15.9 10.7 16.1

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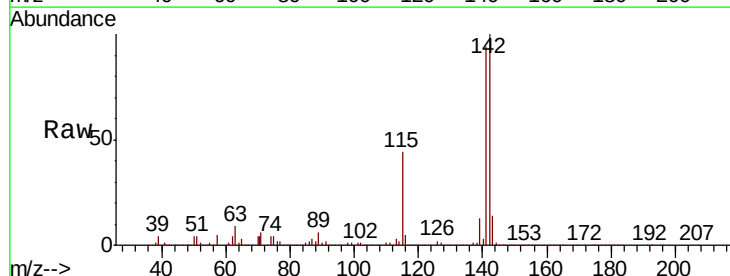


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

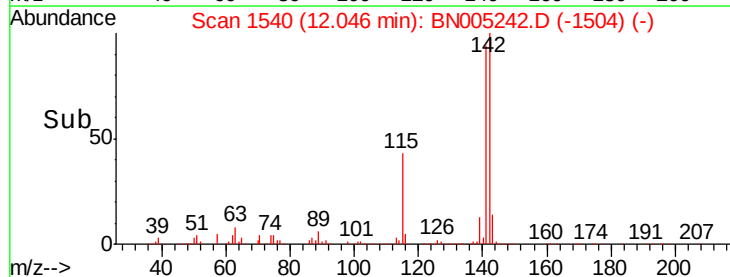
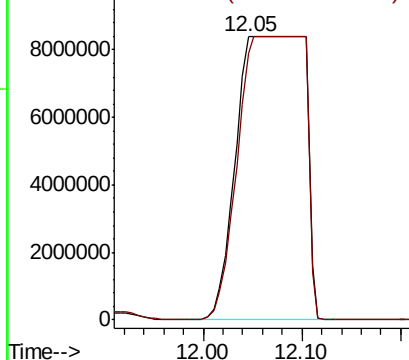


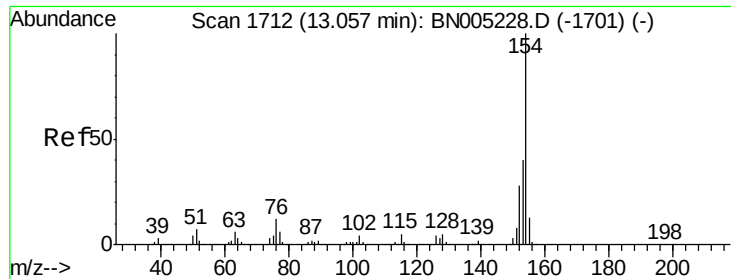
#34
2-Methylnaphthalene
Concen: 636.182 ng/ul m
RT: 12.05 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

Tgt Ion:142 Resp:39911882
Ion Ratio Lower Upper
142 100
141 94.3 72.0 108.0



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





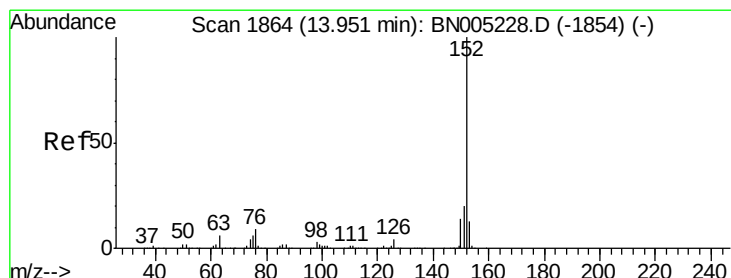
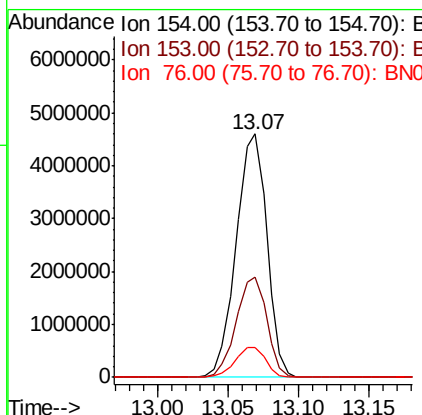
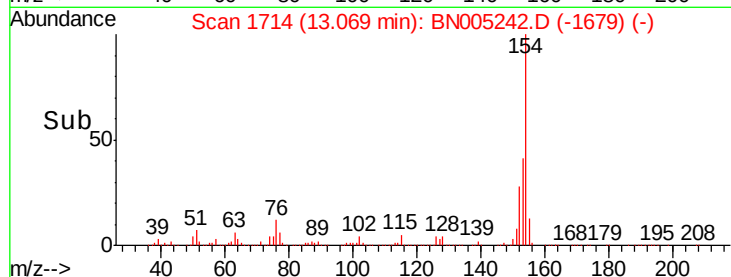
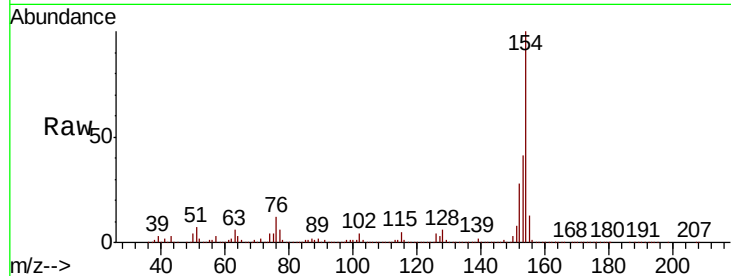
#40
 1,1'-Biphenyl
 Concen: 79.179 ng/ul
 RT: 13.07 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: BN005242.D
 Acq: 24 Apr 2019 07:44

Instrument :
 BNA_N
 ClientSampleId :
 GAHS2

Tot Ion:	154	Resp:	7001655
Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.6	49.0
76	12.2	10.4	15.6

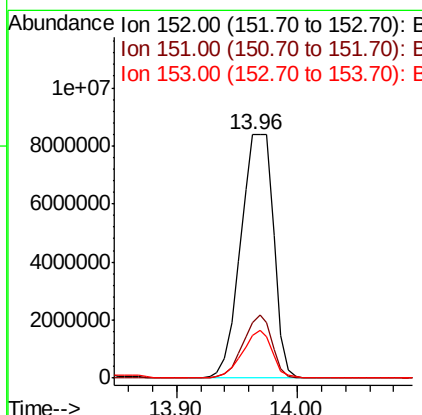
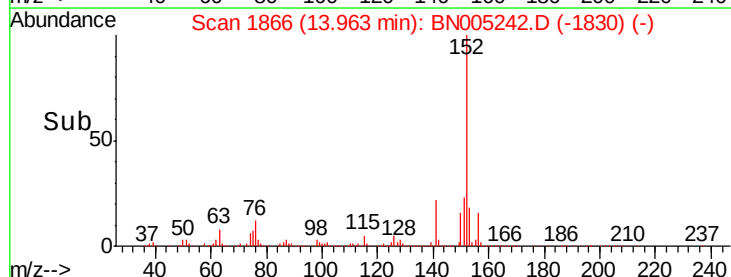
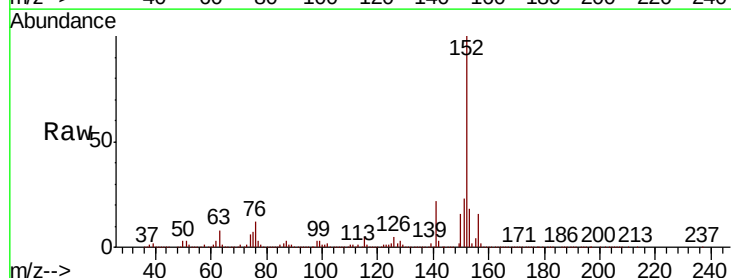
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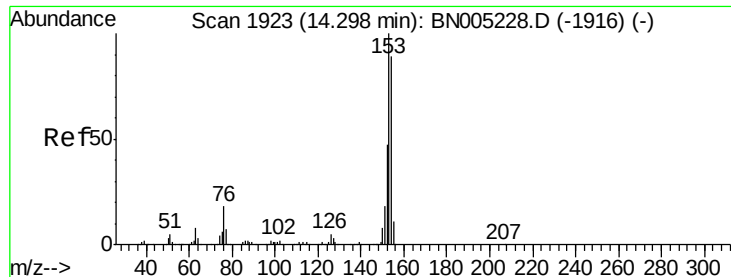
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#47
 Acenaphthylene
 Concen: 153.515 ng/ul
 RT: 13.96 min Scan# 1866
 Delta R.T. 0.01 min
 Lab File: BN005242.D
 Acq: 24 Apr 2019 07:44

Tgt Ion:	152	Resp:	15963725
Ion	Ratio	Lower	Upper
152	100		
151	23.0	15.8	23.8
153	17.6	9.8	14.8#





#49

Acenaphthene

Concen: 36.243 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Instrument :

BNA_N

ClientSampleId :

GAHS2

Tot Ion:153 Resp: 2572956

Ion Ratio Lower Upper

153 100

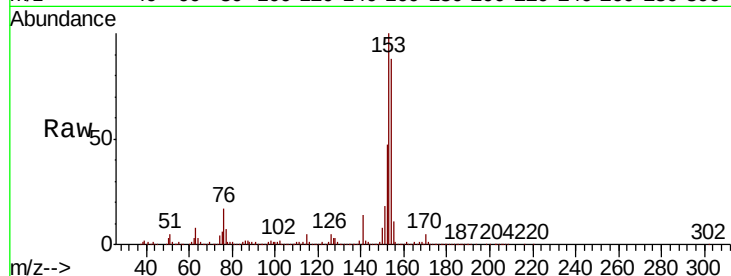
152 46.8 37.4 56.0

154 87.9 71.2 106.8

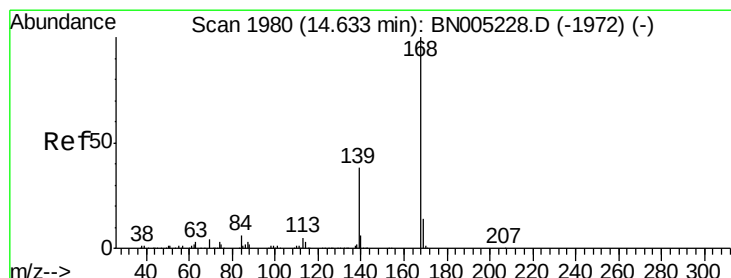
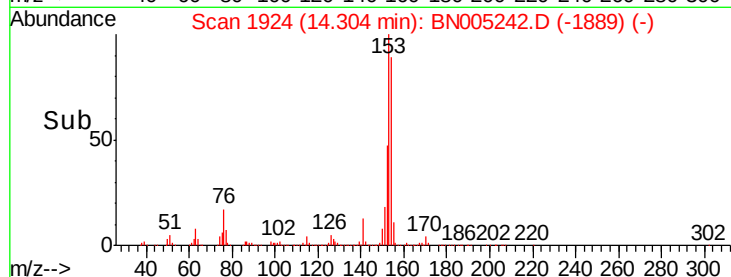
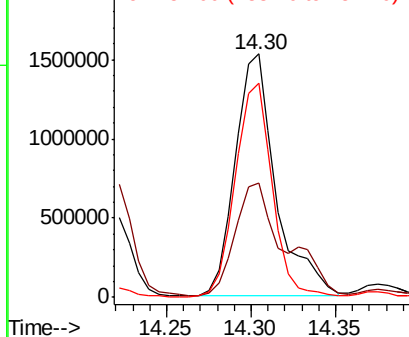
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 25.246 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN005242.D

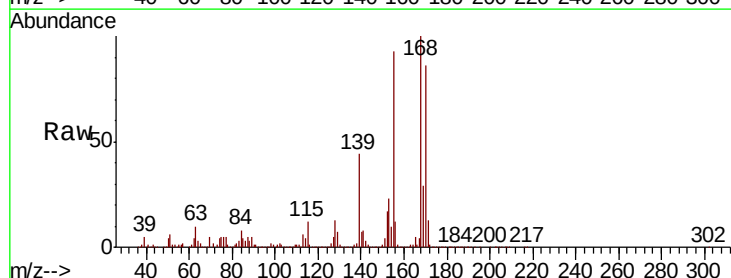
Acq: 24 Apr 2019 07:44

Tgt Ion:168 Resp: 2580426

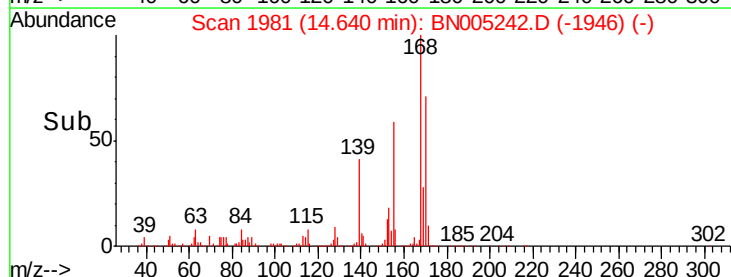
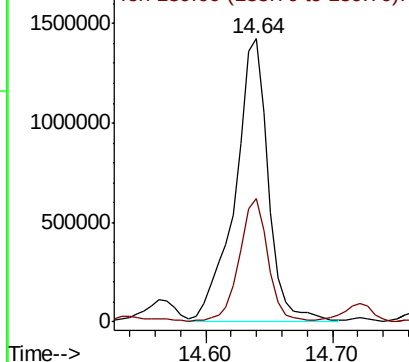
Ion Ratio Lower Upper

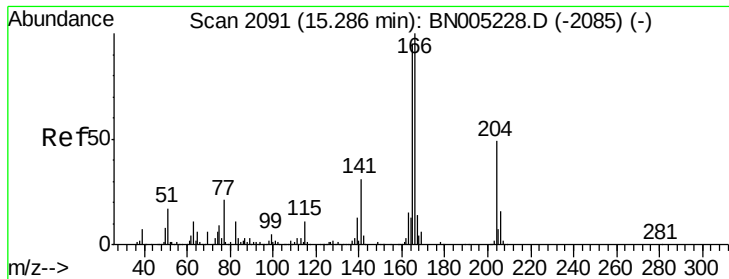
168 100

139 43.6 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: 151.117 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Instrument :

BNA_N

ClientSampleId :

GAHS2

Tot Ion:166 Resp:12052705

Ion Ratio Lower Upper

166 100

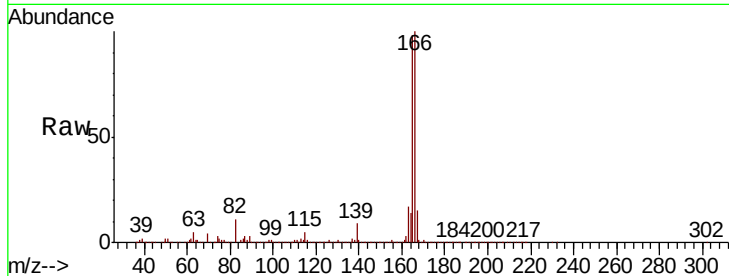
165 97.9 80.0 120.0

167 14.5 10.7 16.1

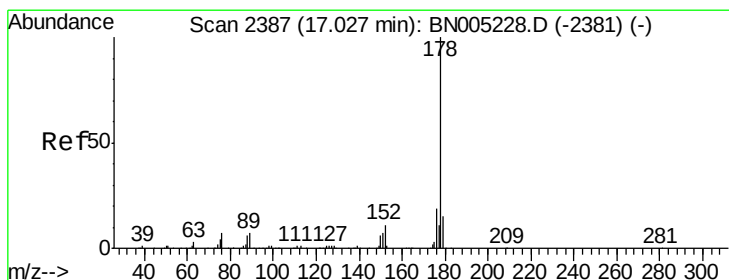
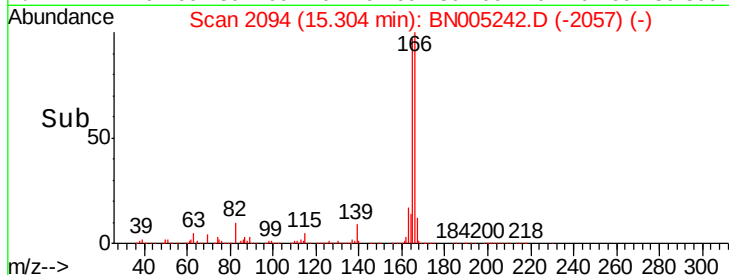
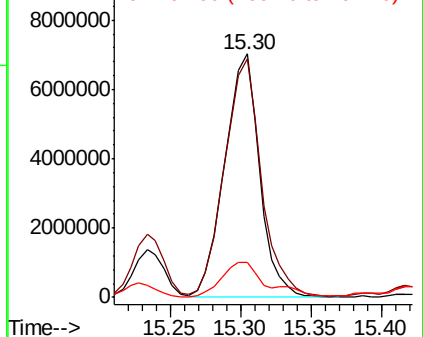
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 217.651 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

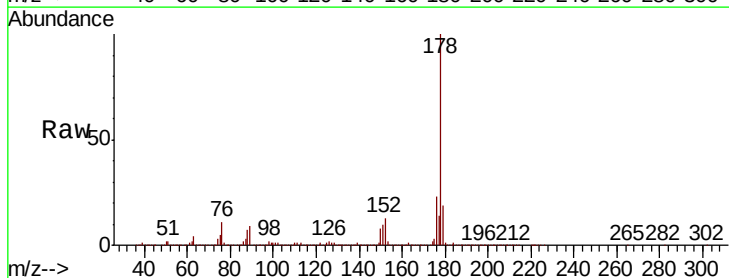
Tgt Ion:178 Resp:24960898

Ion Ratio Lower Upper

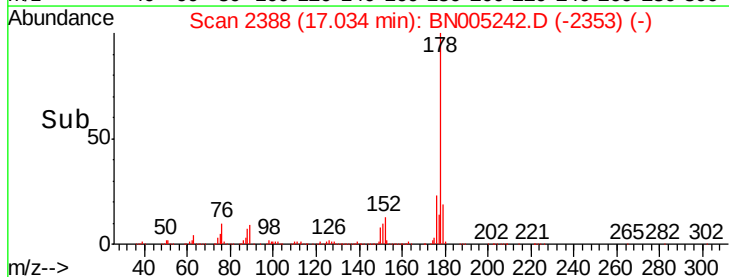
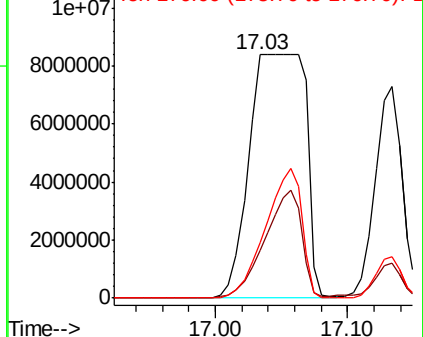
178 100

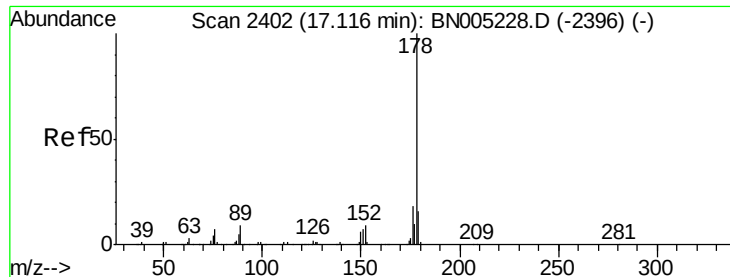
179 19.5 12.2 18.4#

176 23.0 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





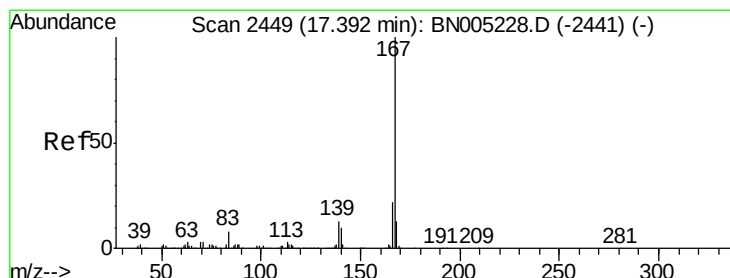
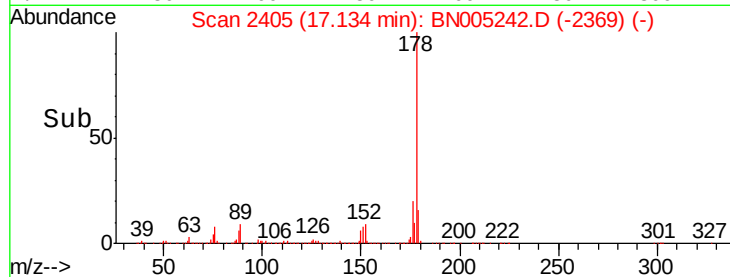
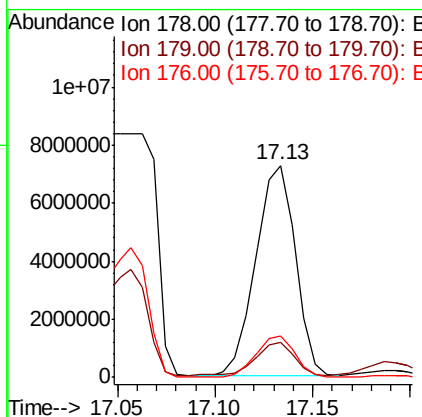
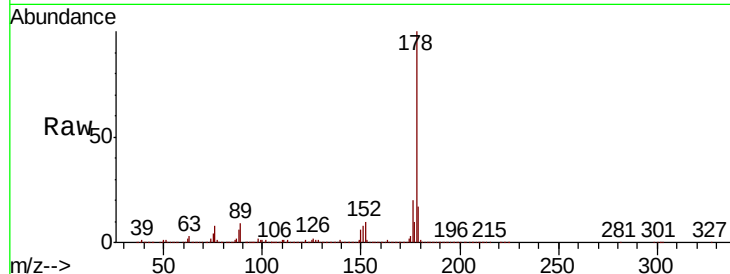
#71
 Anthracene
 Concen: 87.727 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. 0.01 min
 Lab File: BN005242.D
 Acq: 24 Apr 2019 07:44

Instrument :
 BNA_N
 ClientSampled :
 GAHS2

Tot Ion:178 Resp:10248912
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.3 18.5
 176 19.6 15.1 22.7

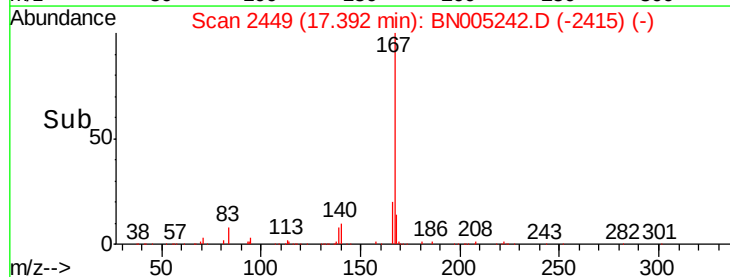
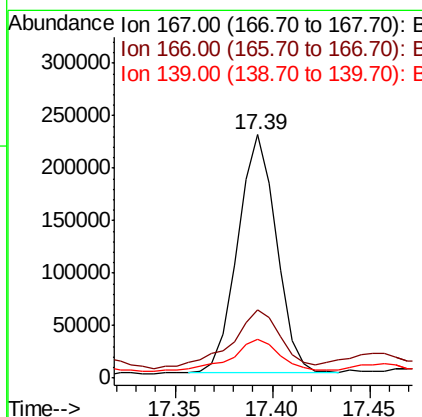
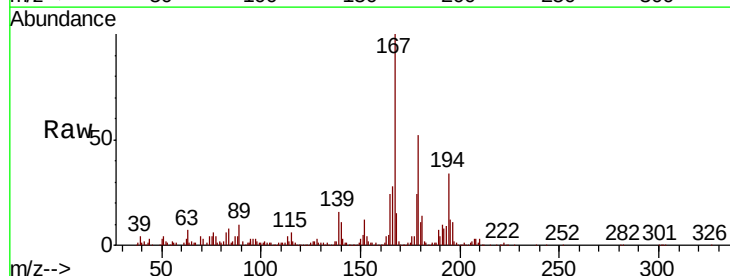
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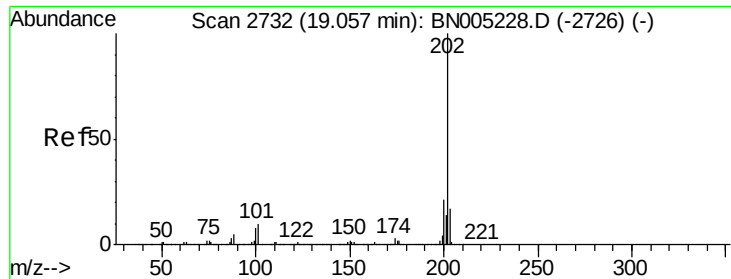
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#74
 Carbazole
 Concen: 3.094 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BN005242.D
 Acq: 24 Apr 2019 07:44

Tgt Ion:167 Resp: 310538
 Ion Ratio Lower Upper
 167 100
 166 27.9 17.2 25.8#
 139 15.9 10.6 16.0





#76

Fluoranthene

Concen: 87.600 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Instrument :

BNA_N

ClientSampled :

GAHS2

Tot Ion:202 Resp:11143141

Ion Ratio Lower Upper

202 100

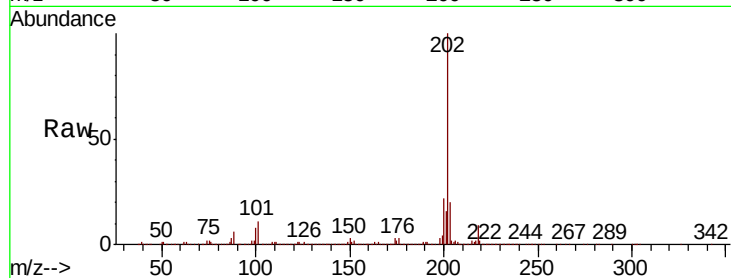
101 10.5 8.6 12.8

100 7.9 6.3 9.5

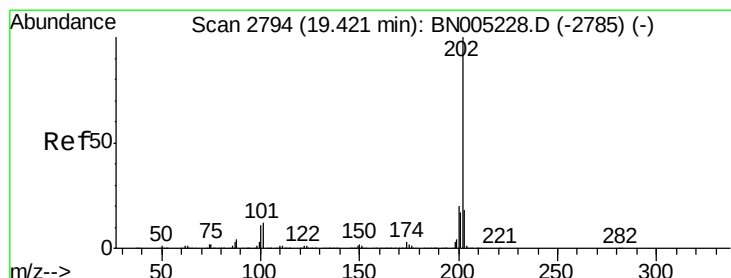
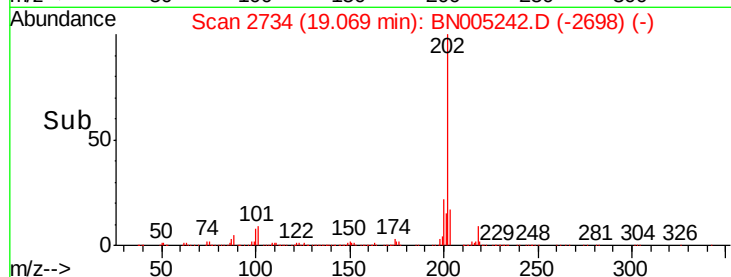
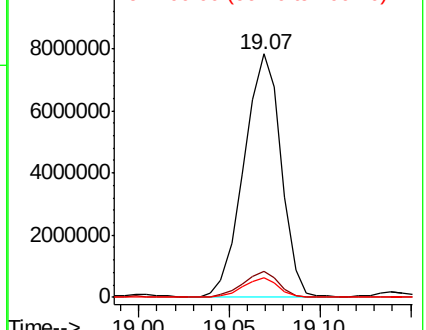
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 120.382 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Tgt Ion:202 Resp:15487120

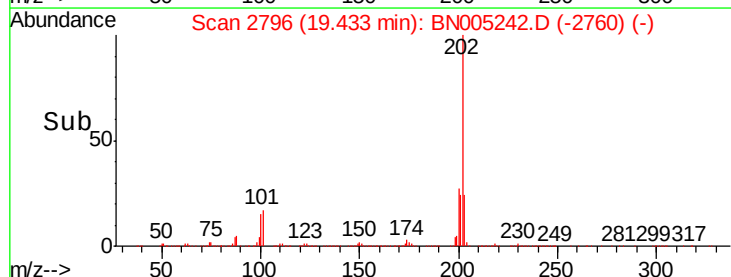
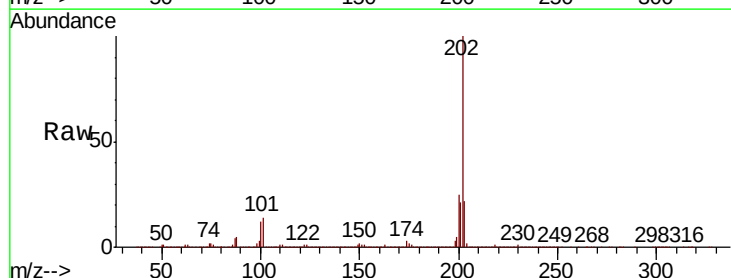
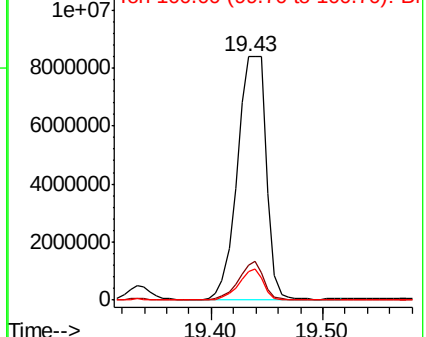
Ion Ratio Lower Upper

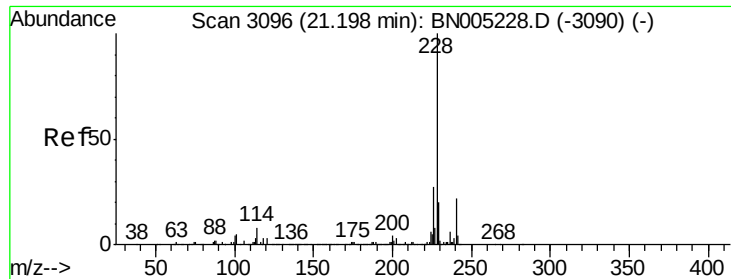
202 100

101 14.2 10.3 15.5

100 11.9 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





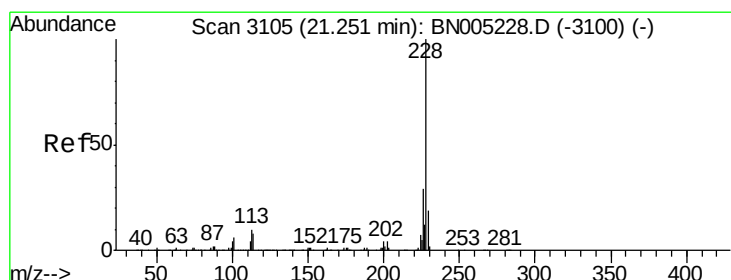
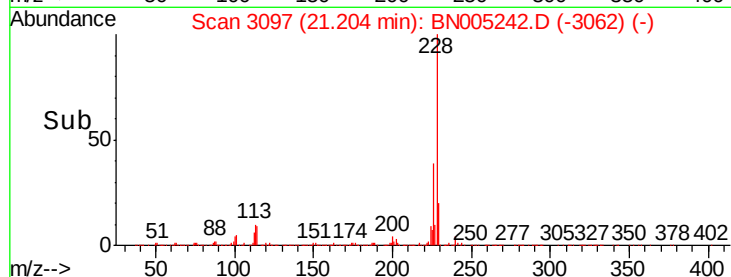
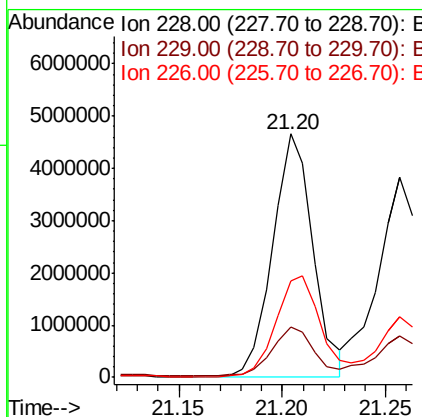
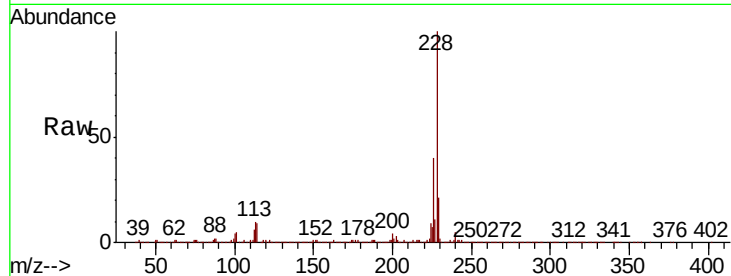
#82
Benzo(a)anthracene
Concen: 51.019 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

Instrument :
BNA_N
ClientSampleId :
GAHS2

Tot Ion:228 Resp: 6341706
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 39.8 21.4 32.2#

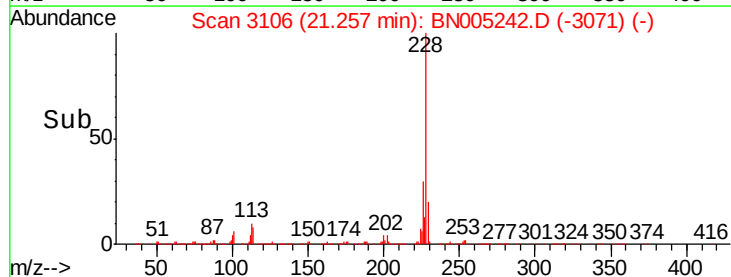
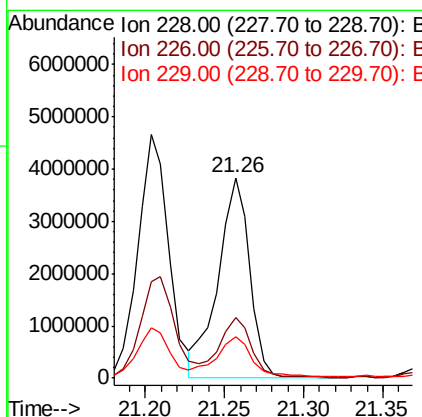
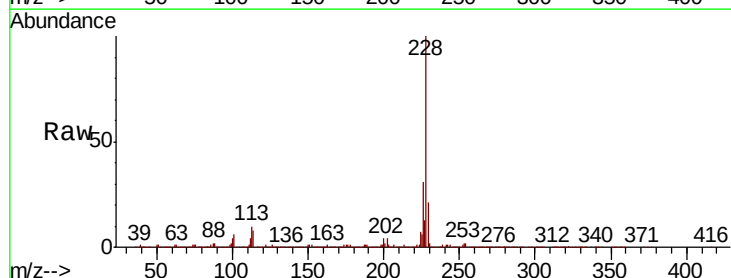
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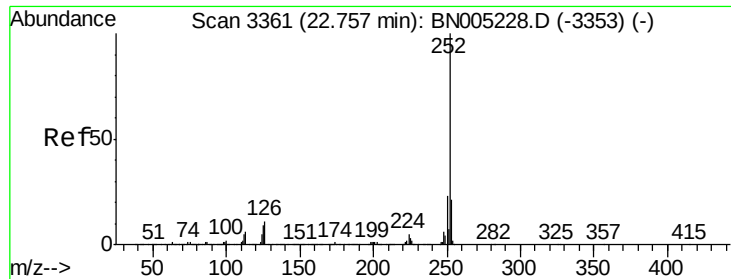
Sohil
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#84
Chrysene
Concen: 45.342 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

Tgt Ion:228 Resp: 5230754
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.7 15.4 23.0





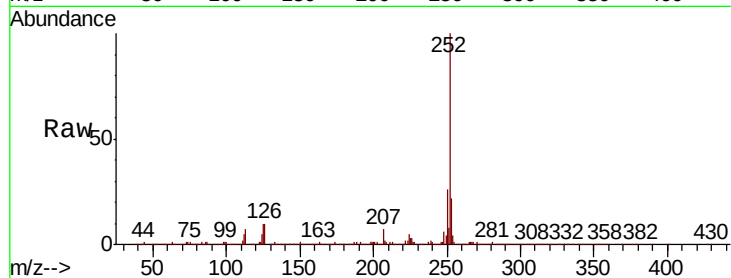
#87
Benzo(b)fluoranthene
Concen: 25.774 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

Instrument :
BNA_N
ClientSampleId :
GAHS2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.4	8.4	12.6

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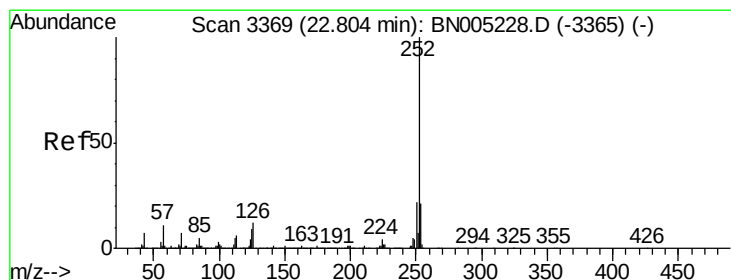
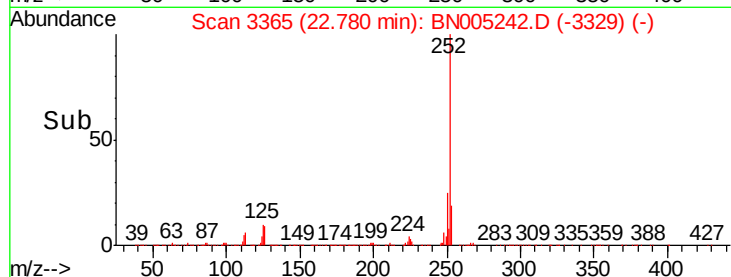
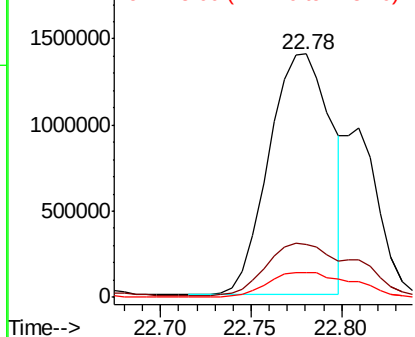


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 10.419 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.00 min
Lab File: BN005242.D
Acq: 24 Apr 2019 07:44

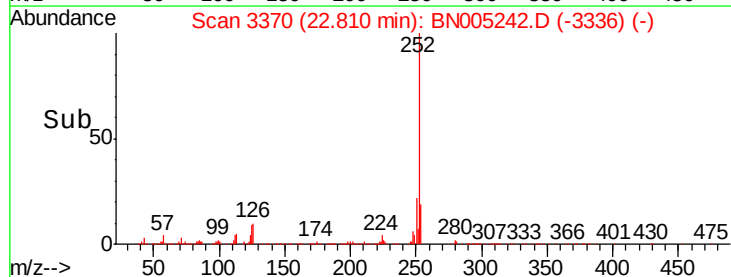
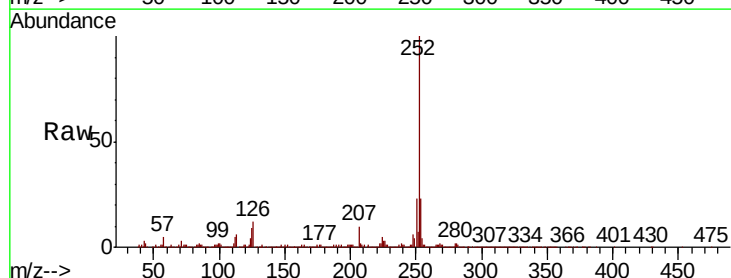
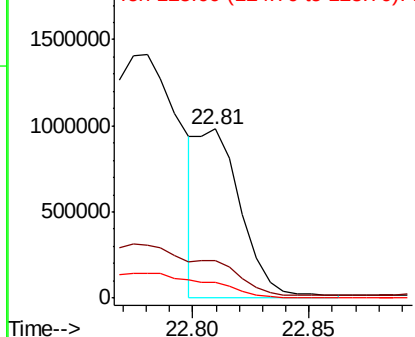
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	9.3	7.5	11.3

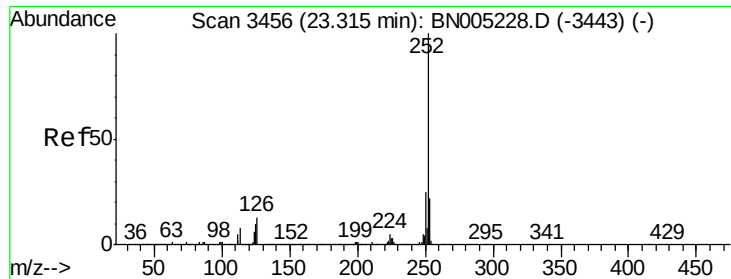
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 34.054 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. 0.00 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Instrument :

BNA_N

ClientSampled :

GAHS2

Tot Ion:252 Resp: 4157965

Ion Ratio Lower Upper

252 100

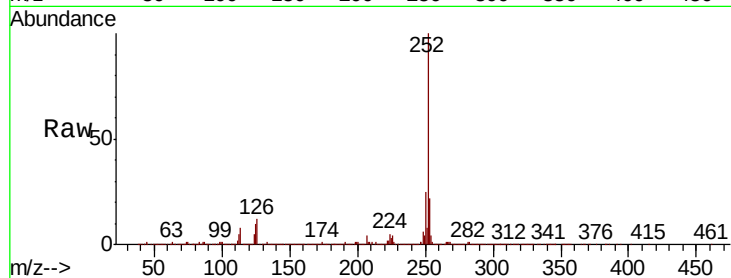
253 22.3 17.3 25.9

125 9.6 8.6 13.0

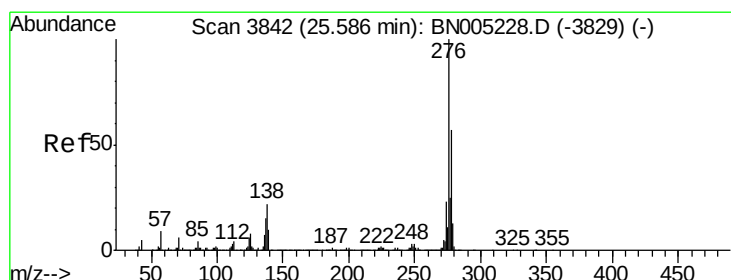
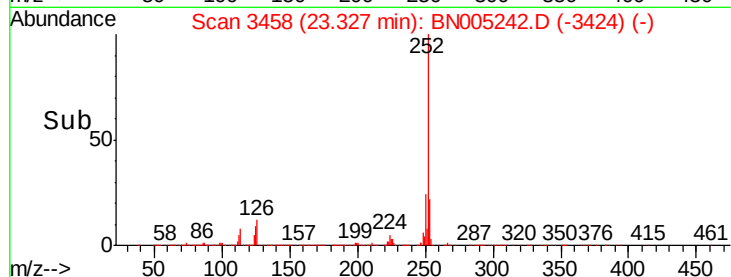
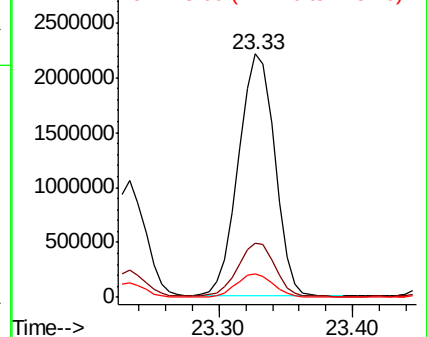
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 11.052 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Tgt Ion:276 Resp: 1491916

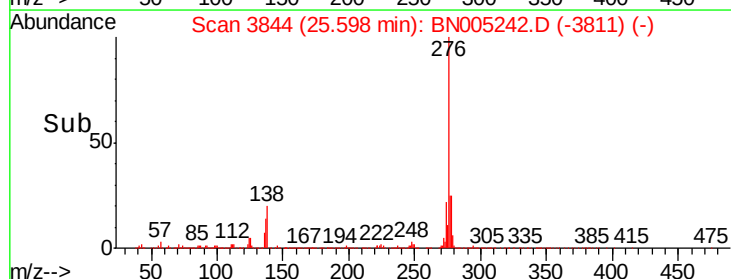
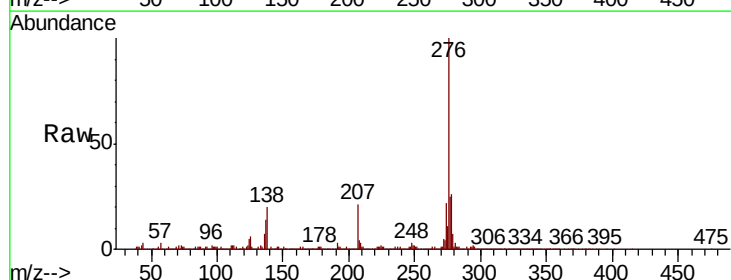
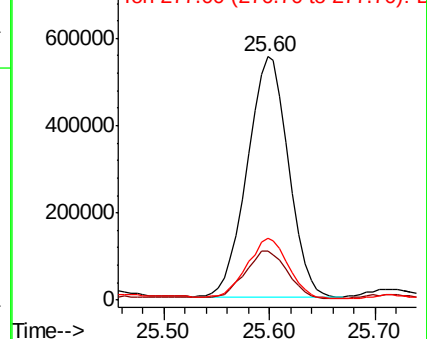
Ion Ratio Lower Upper

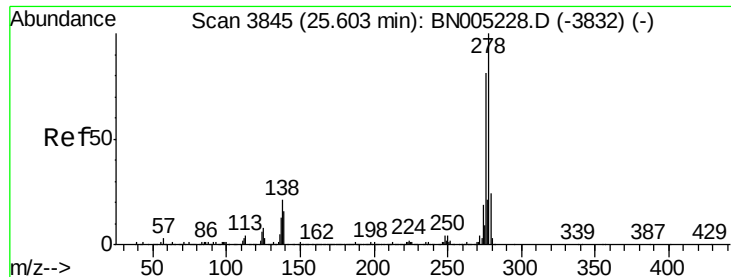
276 100

138 20.2 17.9 26.9

277 25.4 19.7 29.5

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





#92

Dibenzo(a,h)anthracene

Concen: 4.227 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.02 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Instrument :

BNA_N

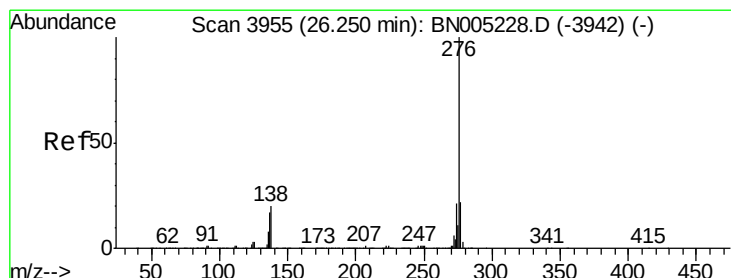
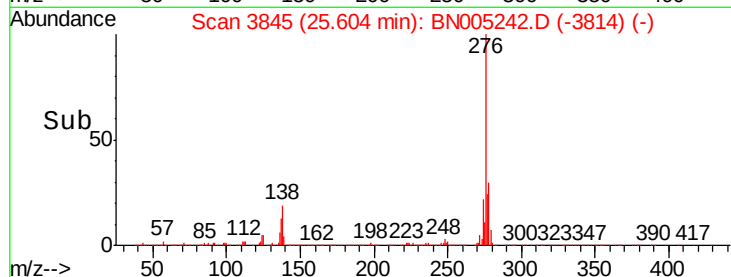
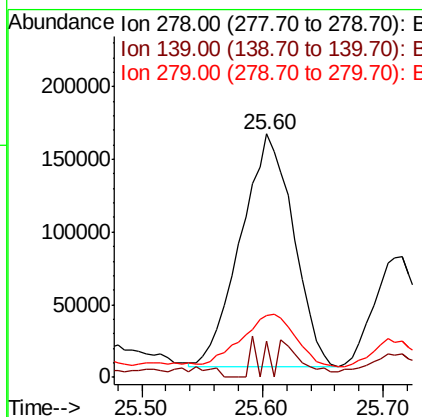
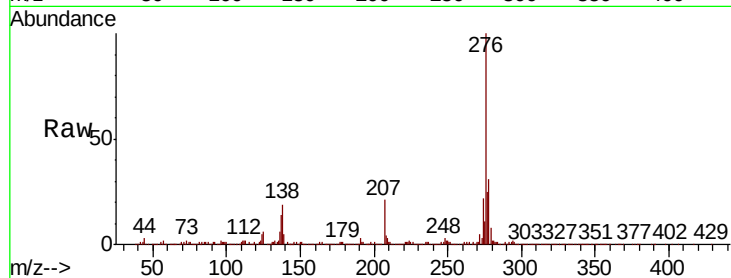
ClientSampled :

GAHS2

Tot Ion:278	Resp:	484264
Ion Ratio	Lower	Upper
278	100	
139	14.9	13.1 19.7
279	25.3	19.4 29.0

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#93

Benzo(g,h,i)perylene

Concen: 10.665 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.00 min

Lab File: BN005242.D

Acq: 24 Apr 2019 07:44

Tgt Ion:276	Resp:	1190479
Ion Ratio	Lower	Upper
276	100	
138	20.4	16.7 25.1
277	23.5	18.2 27.2

