

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005198.D
 Acq On : 23 Apr 2019 05:38
 Operator : JU/SJ
 Sample : K2455-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR0

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:19:54 PM

Quant Time: Apr 23 07:10:34 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	530872	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2859903	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1922799	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3974745	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2772337	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2870101	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	89659	8.15	ng/uL	0.00
5) Phenol-d5	6.78	99	1126717	27.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	743240	28.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	917066	28.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	789961	24.24	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	479304	27.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	517904	29.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	925780	22.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1111259	26.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	2933445	21.02	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	3587490	20.93	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	422939	19.19	ng/ul	0.00
57) Fluorene-d10	15.24	176	2376227	20.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	253910	14.20	ng/ul	0.02
70) Anthracene-d10	17.10	188	3655643	21.94	ng/ul	0.01
78) Pyrene-d10	19.40	212	3643931	25.69	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	2822965	22.51	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	1520069	11.433	ng/ul	99
34) 2-Methylnaphthalene	12.05	142	27029594m	277.656	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5188806	36.218	ng/ul	100
44) Dimethylphthalate	13.70	163	555512	3.994	ng/ul	99
47) Acenaphthylene	13.96	152	11566683	68.655	ng/ul#	92
49) Acenaphthene	14.30	153	1934629	16.820	ng/ul	99
53) Dibenzofuran	14.64	168	2940943	17.760	ng/ul	91
58) Fluorene	15.30	166	11759813	91.007	ng/ul	98
69) Phenanthrene	17.03	178	26110858m	134.887	ng/ul	
71) Anthracene	17.13	178	11596267	58.806	ng/ul	97
76) Fluoranthene	19.07	202	11157304	51.964	ng/ul	100
79) Pyrene	19.43	202	15052906m	84.329	ng/ul	
82) Benzo(a)anthracene	21.20	228	5640921m	32.707	ng/ul	
84) Chrysene	21.26	228	4847375	30.284	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	2854268	17.691	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	797685m	5.177	ng/ul	
90) Benzo(a)pyrene	23.33	252	3157505	20.821	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.59	276	1103327	6.581	ng/ul	97
92) Dibenzo(a,h)anthracene	25.60	278	407428	2.863	ng/ul	94
93) Benzo(g,h,i)perylene	26.25	276	802415	5.788	ng/ul	98

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

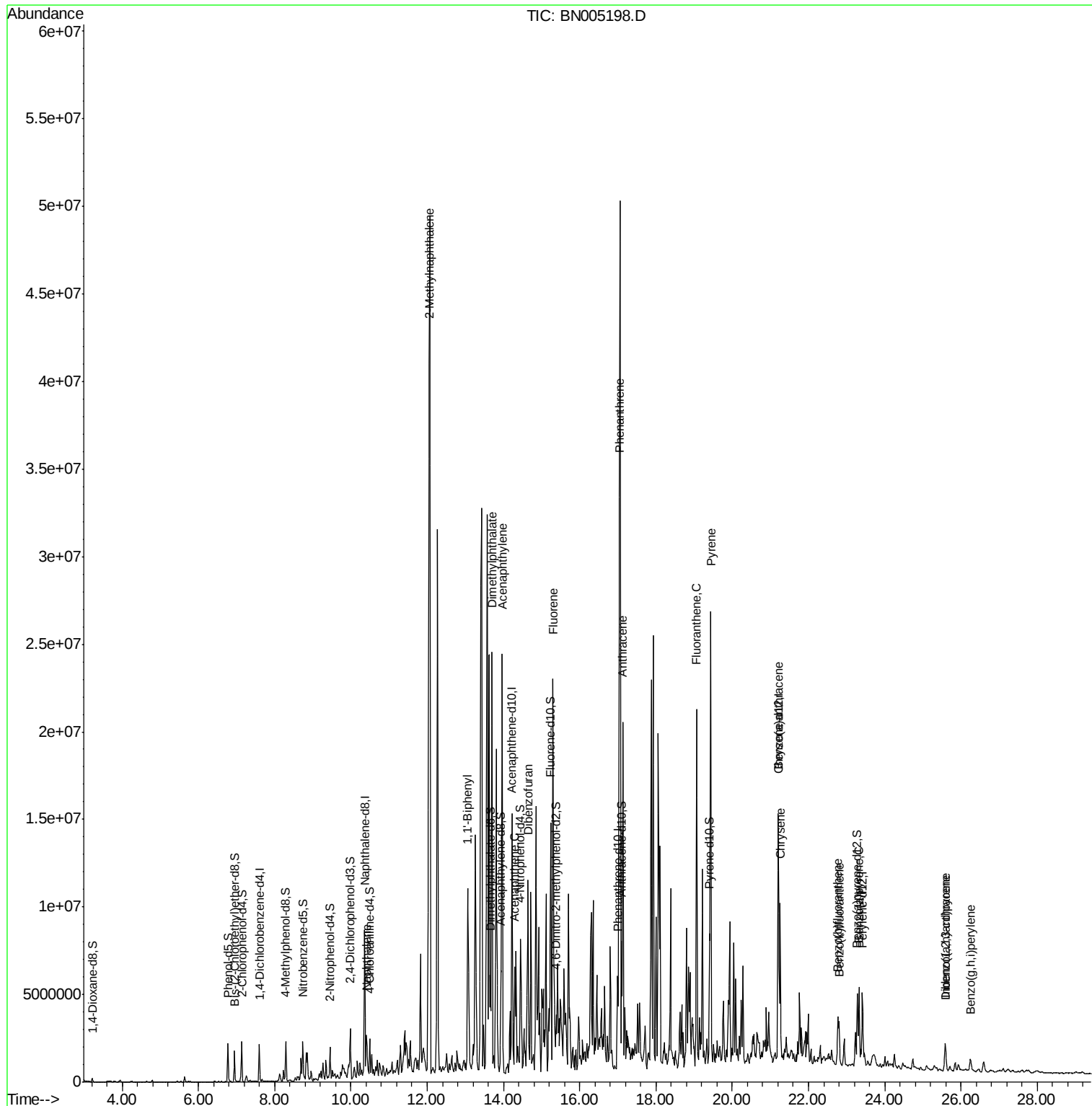
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005198.D
Acq On : 23 Apr 2019 05:38
Operator : JU/SJ
Sample : K2455-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

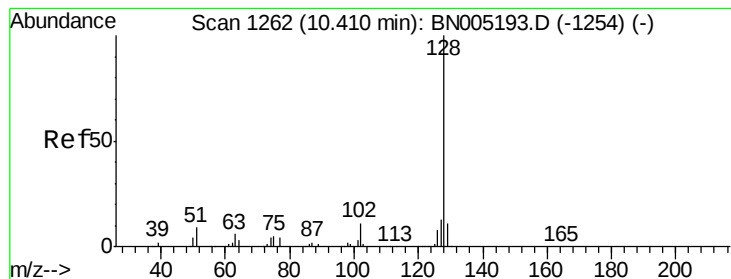
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 11.433 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampleId :

GAHR0

Tot Ion:128 Resp: 1520069

Ion Ratio Lower Upper

128 100

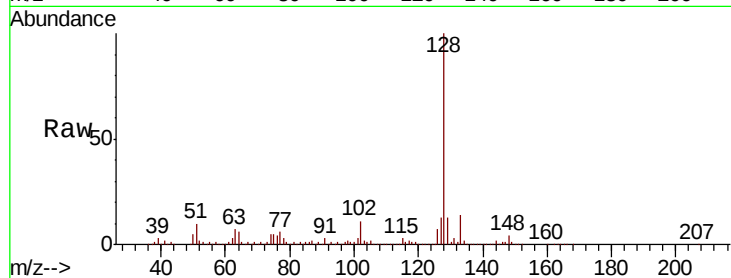
129 12.5 9.2 13.8

127 13.4 10.7 16.1

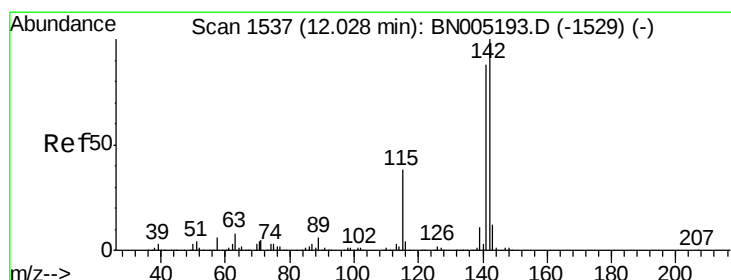
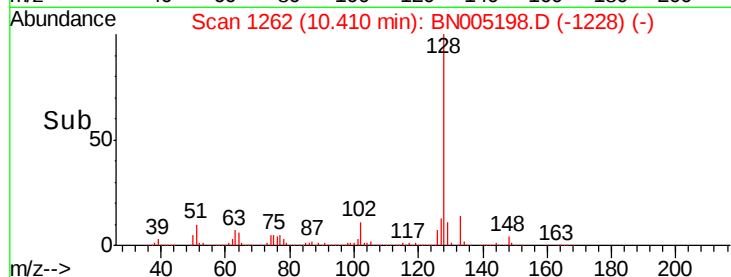
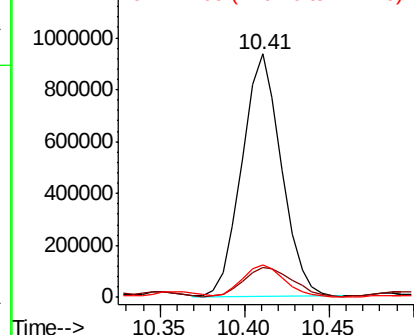
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 277.656 ng/ul m

RT: 12.05 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BN005198.D

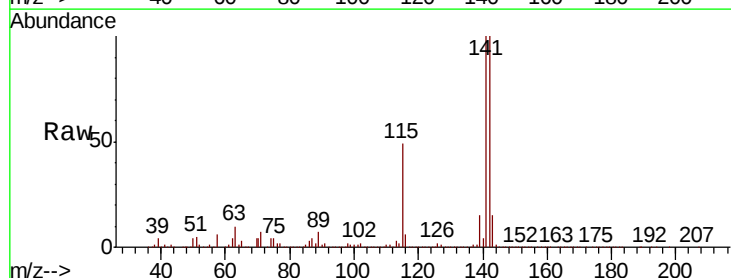
Acq: 23 Apr 2019 05:38

Tgt Ion:142 Resp:27029594

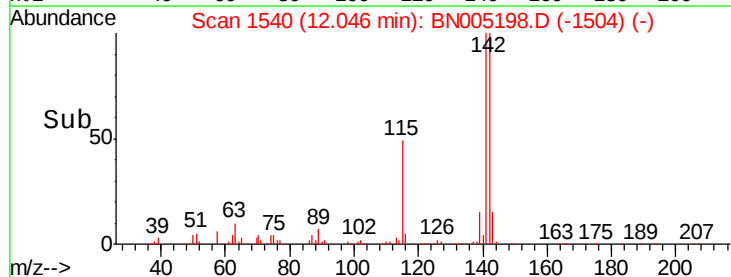
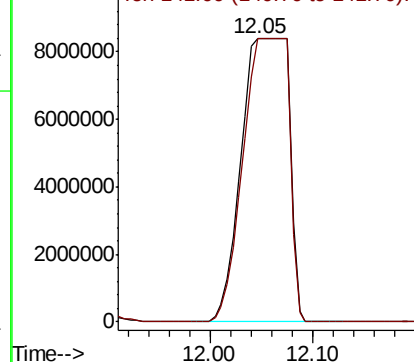
Ion Ratio Lower Upper

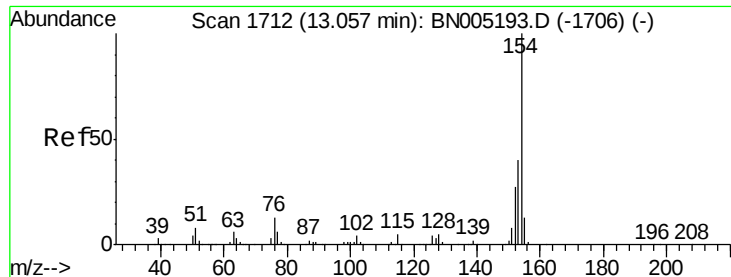
142 100

141 100.0 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: 36.218 ng/ul

RT: 13.06 min Scan# 1713

Delta R.T. 0.00 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampleId :

GAHR0

Tot Ion:154 Resp: 5188806

Ion Ratio Lower Upper

154 100

153 40.8 32.6 49.0

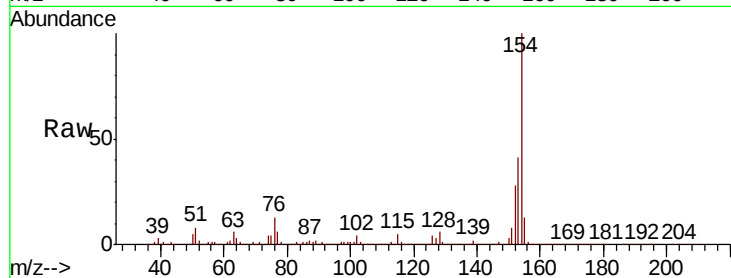
76 12.7 10.4 15.6

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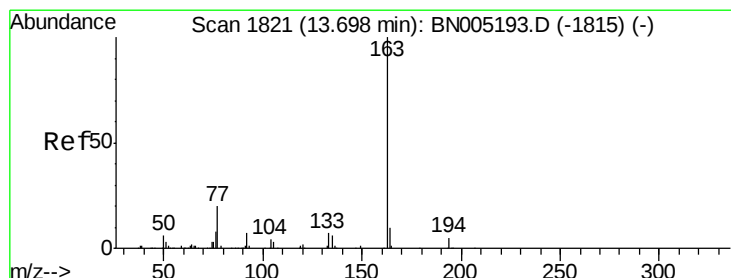
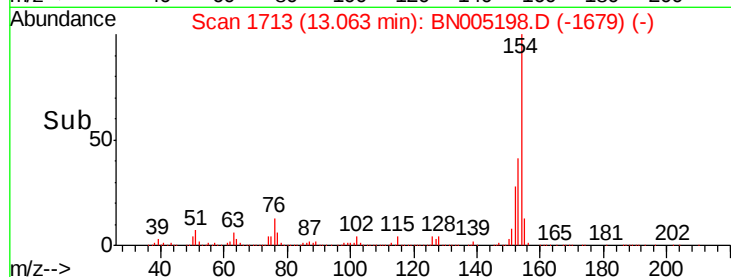
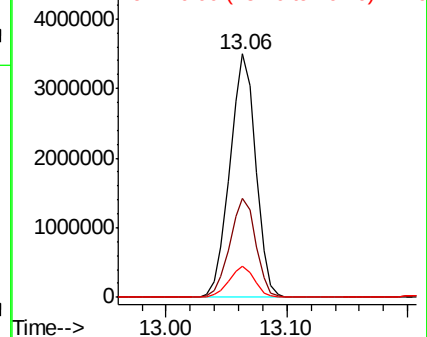
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#44

Dimethylphthalate

Concen: 3.994 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

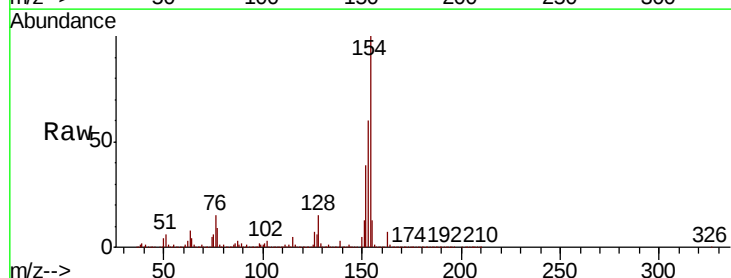
Tgt Ion:163 Resp: 555512

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

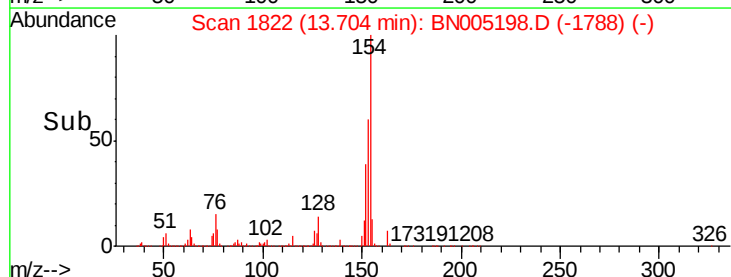
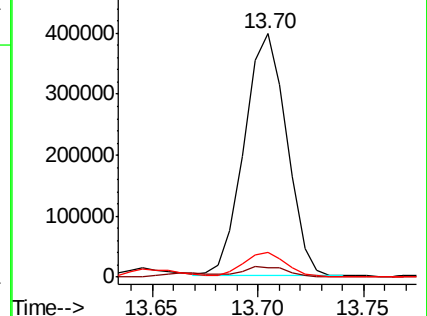
164 10.3 8.1 12.1

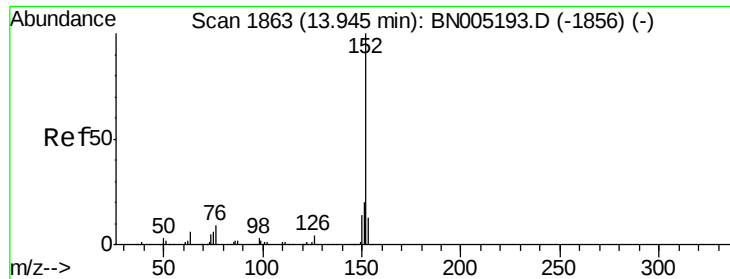


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 68.655 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampleId :

GAHR0

Tot Ion:152 Resp:11566683

Ion Ratio Lower Upper

152 100

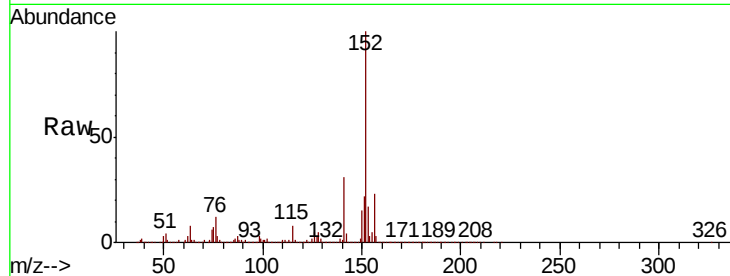
151 21.9 15.8 23.8

153 17.3 9.8 14.8#

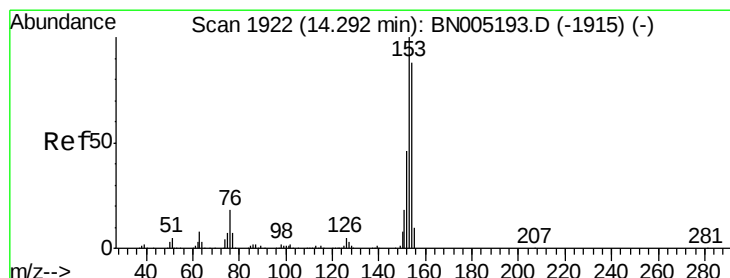
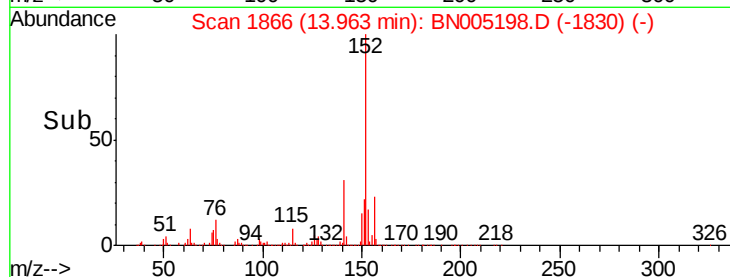
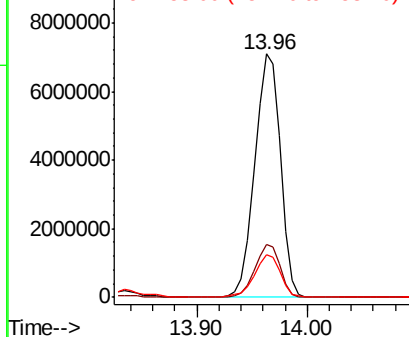
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 16.820 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

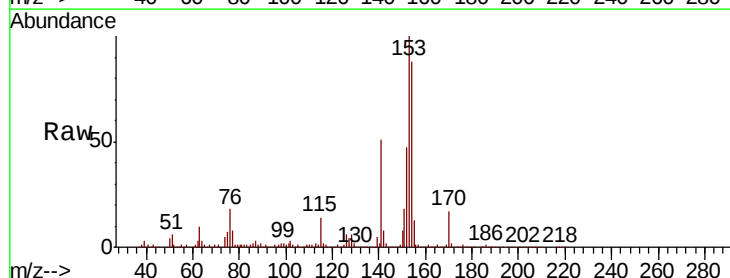
Tgt Ion:153 Resp: 1934629

Ion Ratio Lower Upper

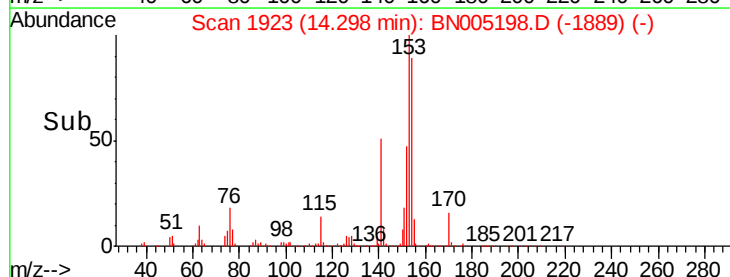
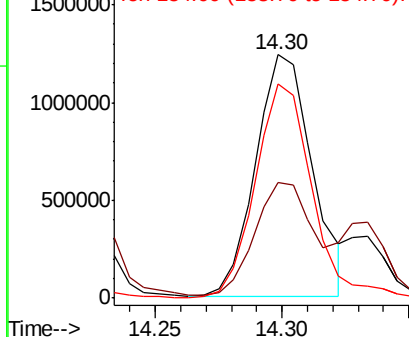
153 100

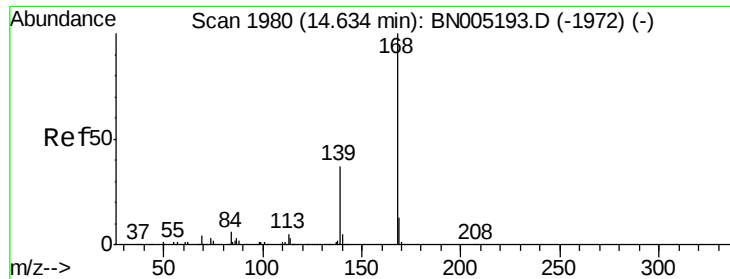
152 47.3 37.4 56.0

154 87.8 71.2 106.8



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





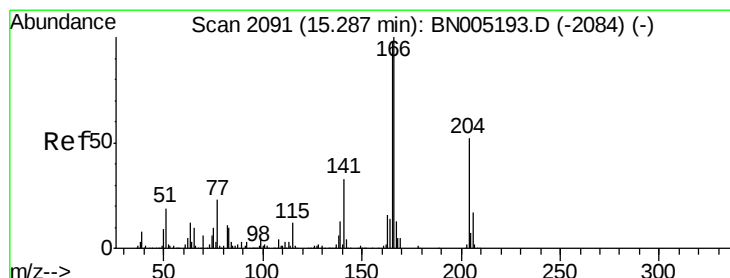
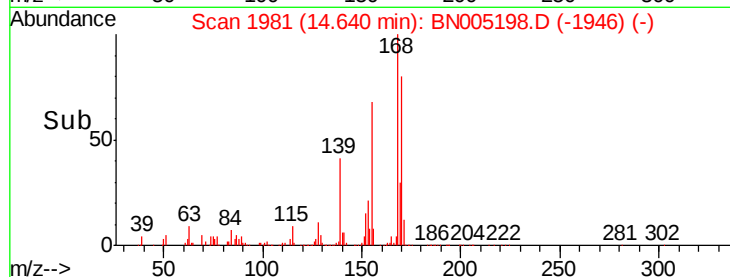
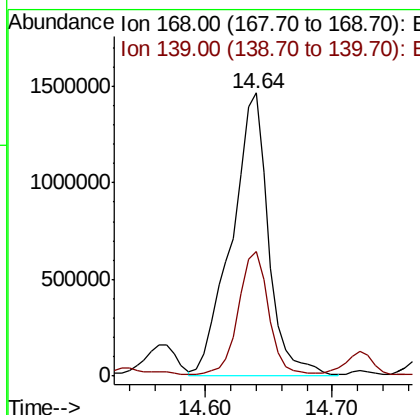
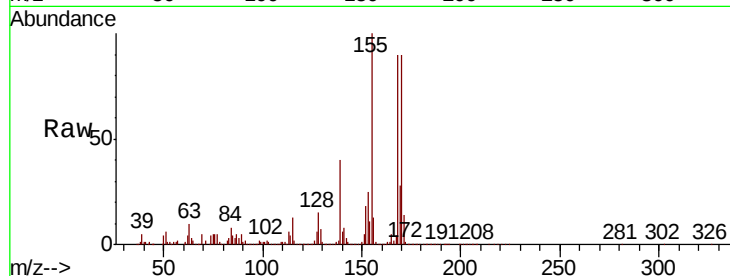
#53
Dibenzenofuran
Concen: 17.760 ng/ul
RT: 14.64 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Instrument :
BNA_N
ClientSampleId :
GAHR0

Tot Ion:168 Resp: 2940943
Ion Ratio Lower Upper
168 100
139 44.2 30.9 46.3

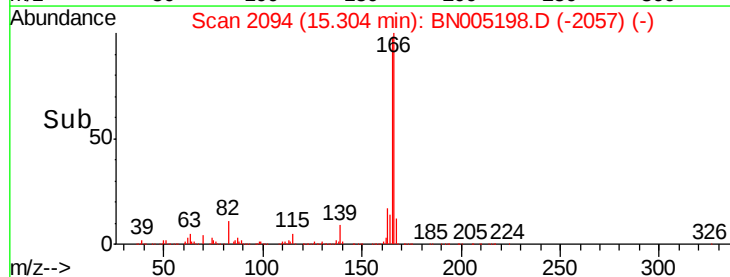
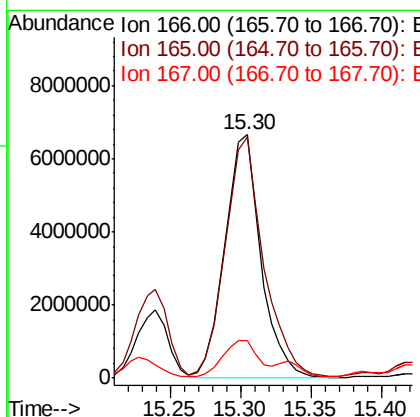
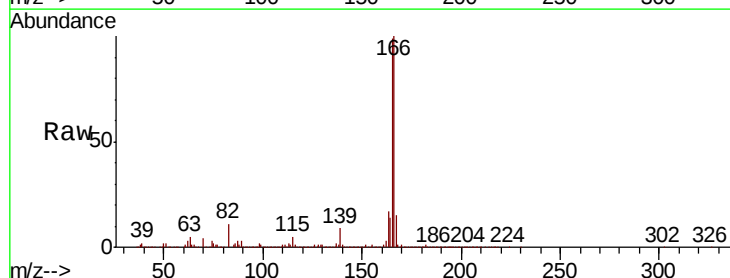
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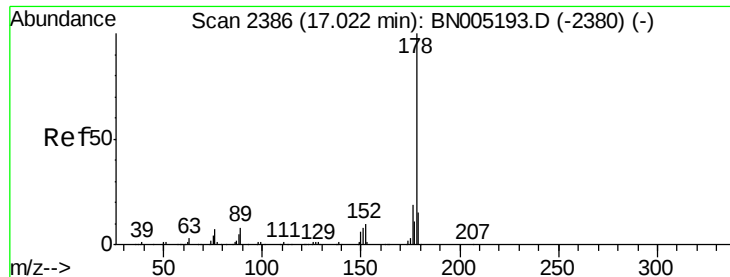
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#58
Fluorene
Concen: 91.007 ng/ul
RT: 15.30 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Tgt Ion:166 Resp:11759813
Ion Ratio Lower Upper
166 100
165 98.8 80.0 120.0
167 15.2 10.7 16.1





#69

Phenanthrene

Concen: 134.887 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampled :

GAHR0

Tot Ion:178 Resp:26110858

Ion Ratio Lower Upper

178 100

179 21.5 12.2 18.4#

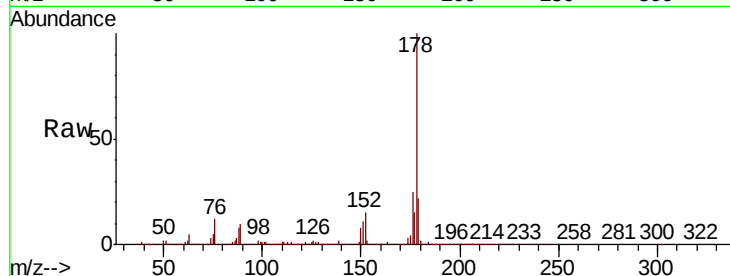
176 25.2 15.1 22.7#

Manual Integrations

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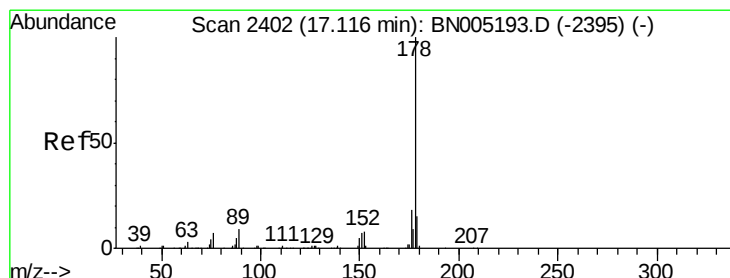
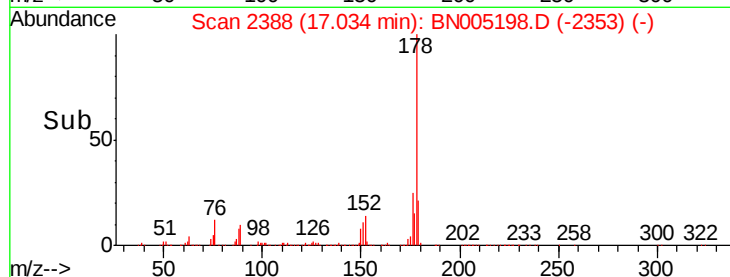
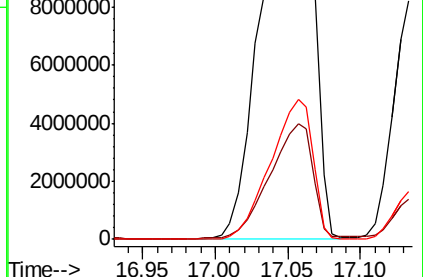
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 58.806 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

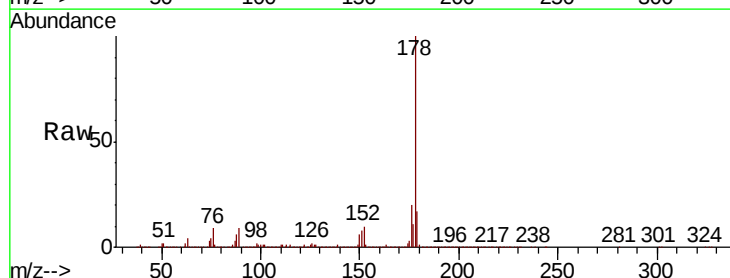
Tgt Ion:178 Resp:11596267

Ion Ratio Lower Upper

178 100

179 16.8 12.3 18.5

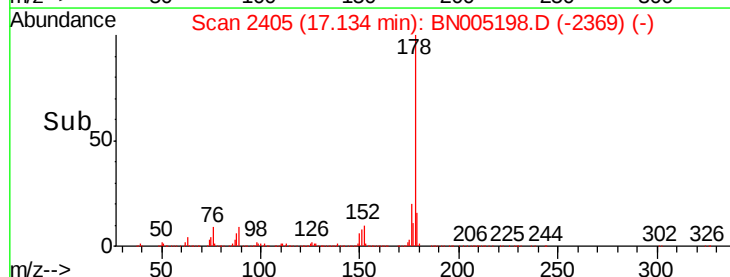
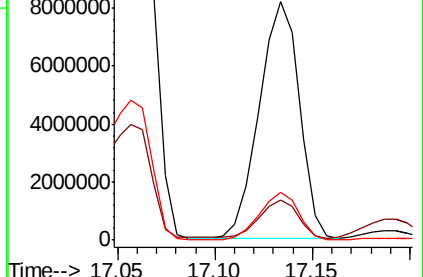
176 20.0 15.1 22.7

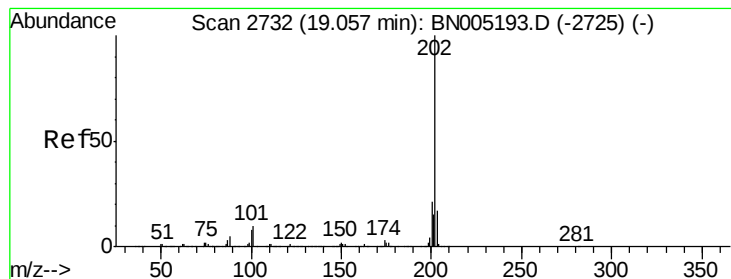


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 51.964 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampled :

GAHR0

Tot Ion:202 Resp:11157304

Ion Ratio Lower Upper

202 100

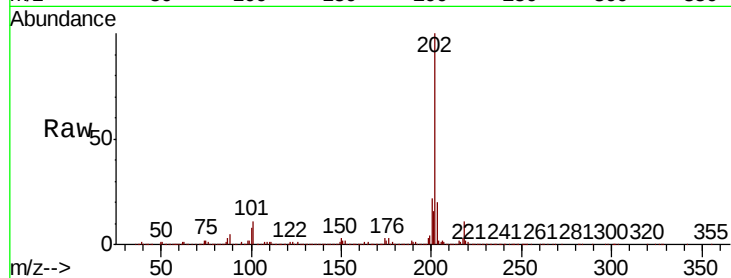
101 10.6 8.6 12.8

100 7.7 6.3 9.5

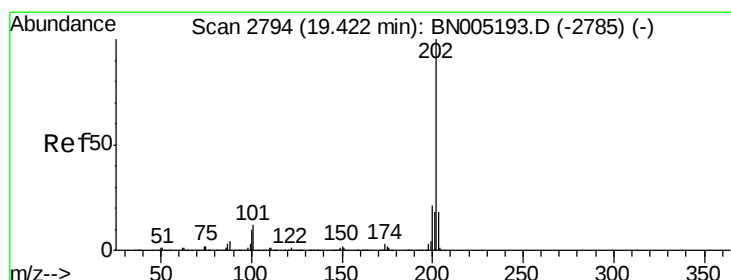
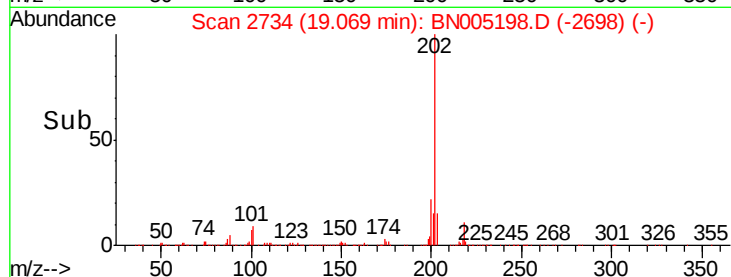
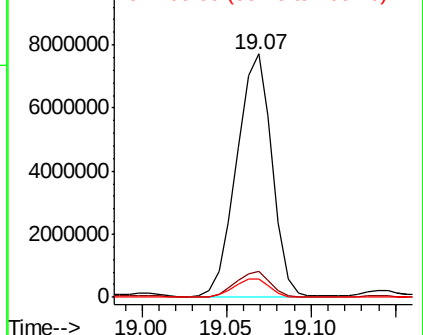
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 84.329 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Tgt Ion:202 Resp:15052906

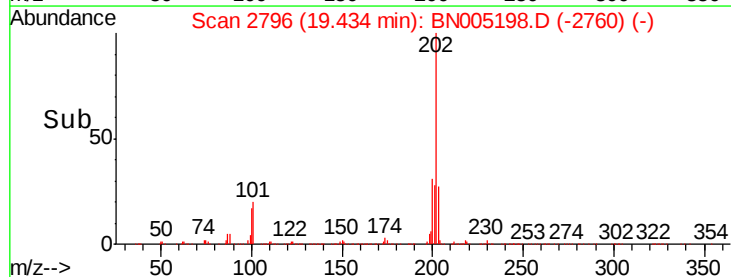
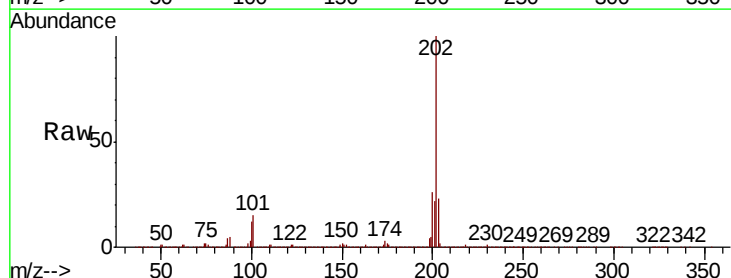
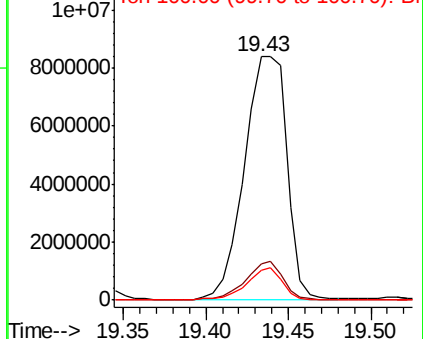
Ion Ratio Lower Upper

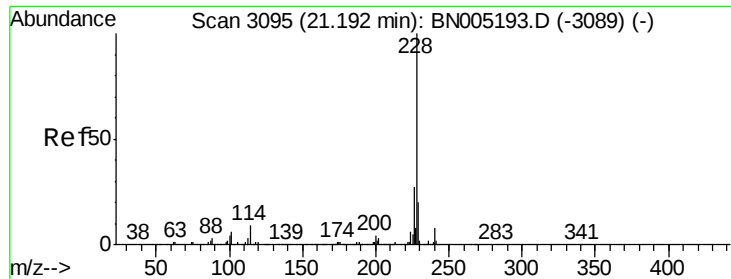
202 100

101 14.9 10.3 15.5

100 12.3 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: 32.707 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

ClientSampled :

GAHR0

Tot Ion:228 Resp: 5640921

Ion Ratio Lower Upper

228 100

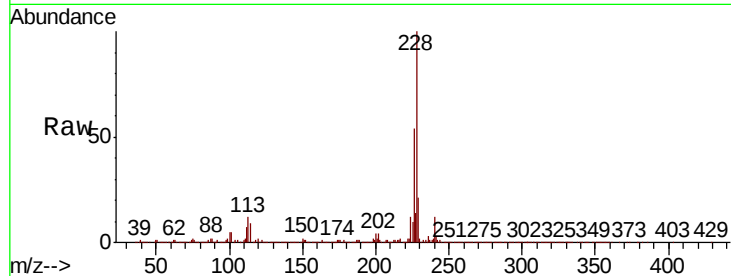
229 21.4 15.8 23.6

226 54.2 21.4 32.2#

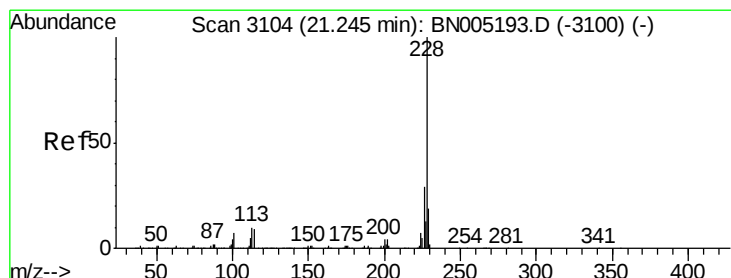
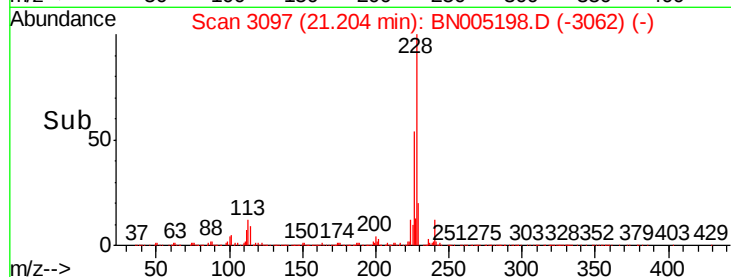
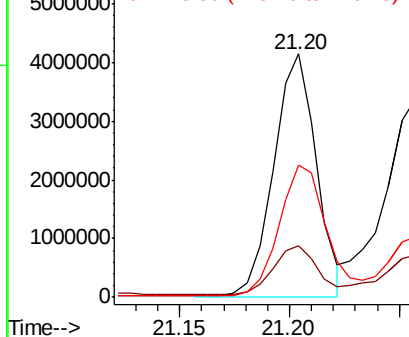
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 30.284 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Tgt Ion:228 Resp: 4847375

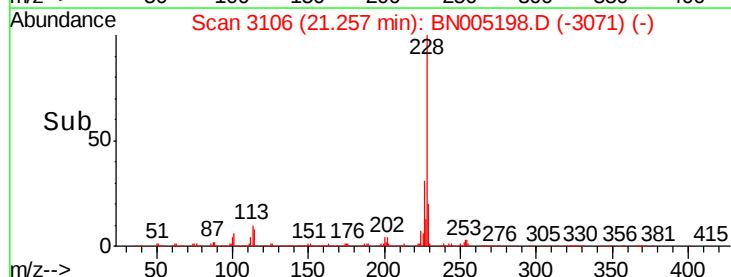
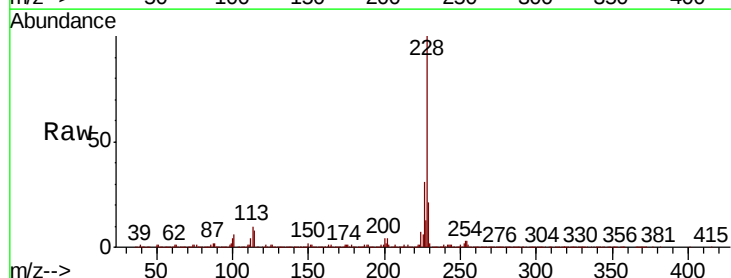
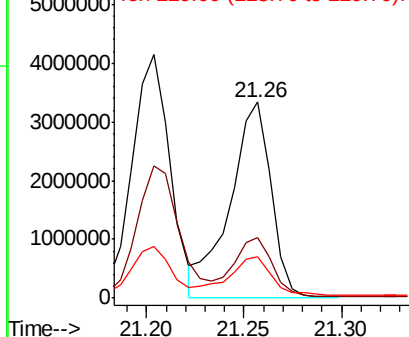
Ion Ratio Lower Upper

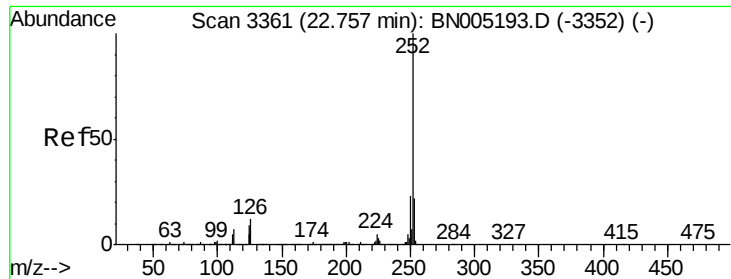
228 100

226 31.0 24.0 36.0

229 21.1 15.4 23.0

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





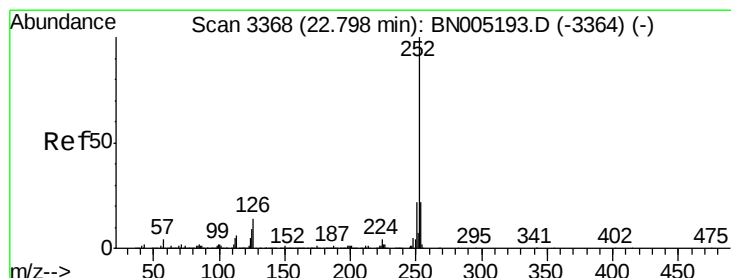
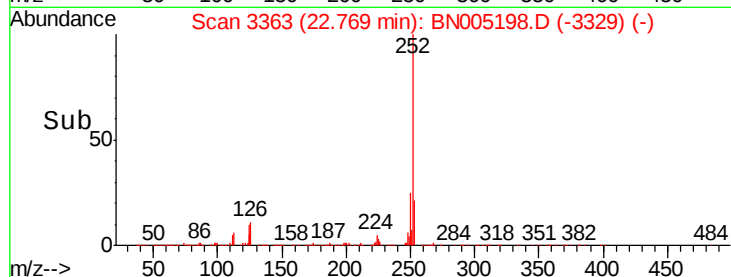
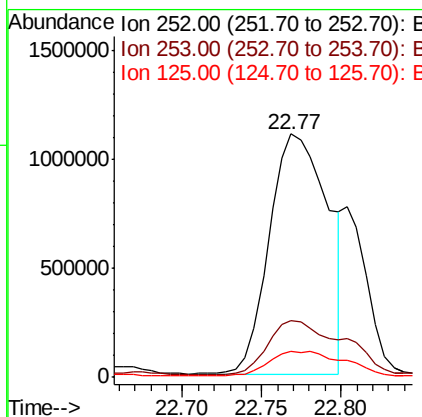
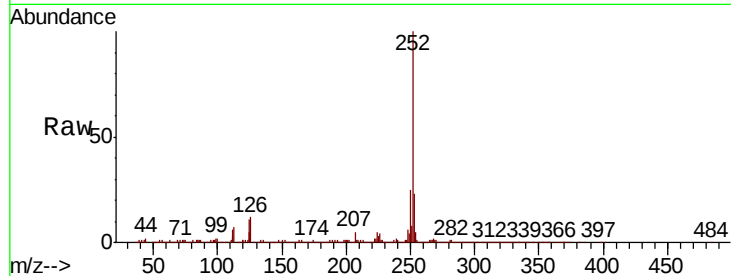
#87
Benzo(b)fluoranthene
Concen: 17.691 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. 0.00 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Instrument :
BNA_N
ClientSampled :
GAHR0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	10.6	8.4	12.6

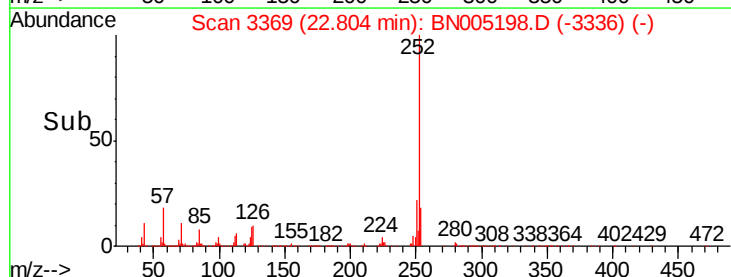
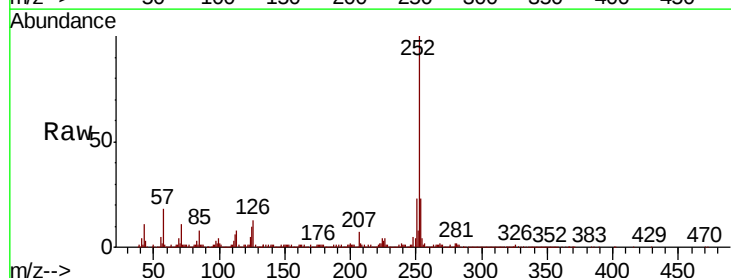
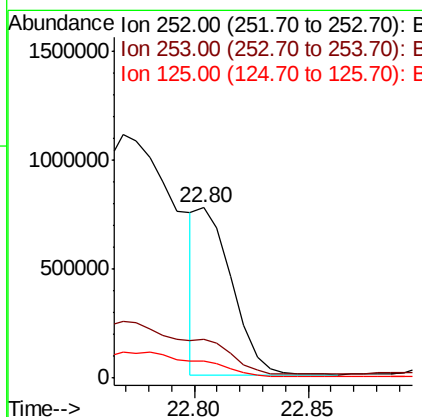
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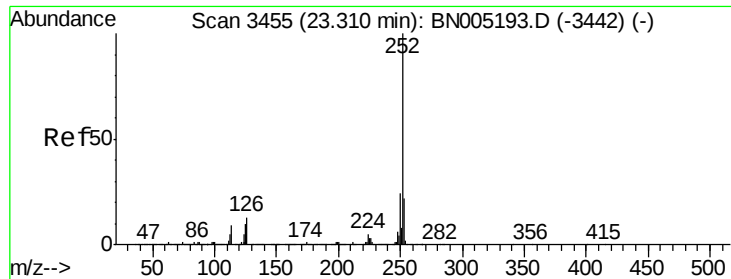
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#88
Benzo(k)fluoranthene
Concen: 5.177 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	9.8	7.5	11.3





#90

Benzo(a)pyrene

Concen: 20.821 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. 0.00 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Instrument :

BNA_N

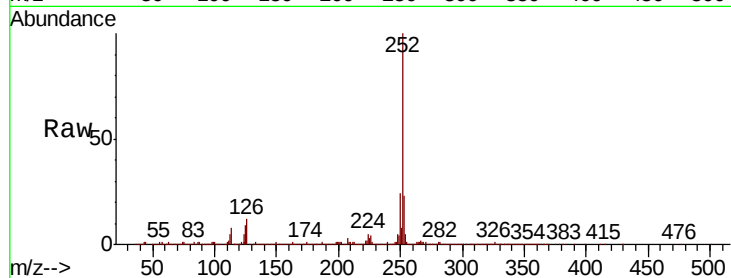
ClientSampleId :

GAHR0

Tot Ion:	252	Resp:	3157505
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	9.3	8.6	13.0

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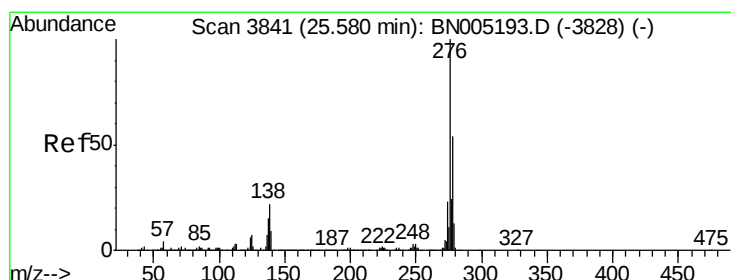
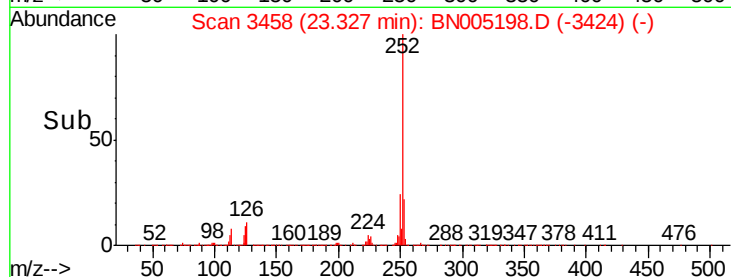
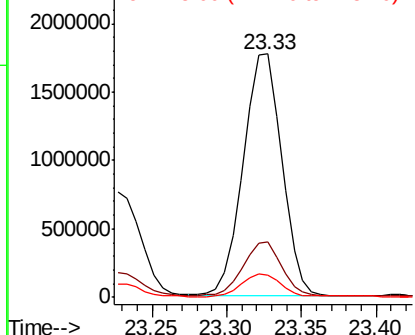


Abundance

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: 6.581 ng/ul

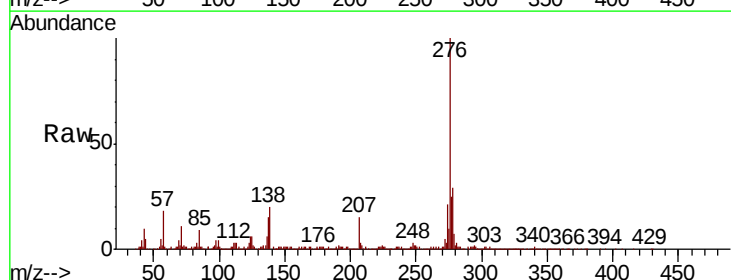
RT: 25.59 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BN005198.D

Acq: 23 Apr 2019 05:38

Tgt Ion:	276	Resp:	1103327
Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.9	26.9
277	24.9	19.7	29.5

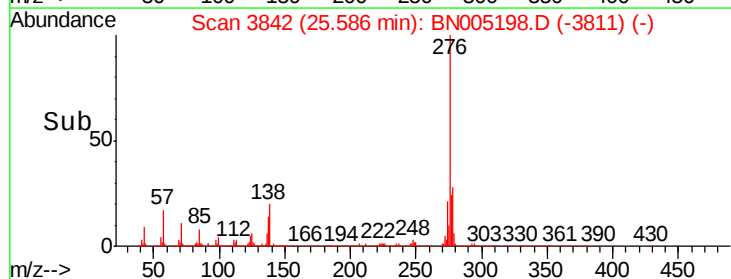
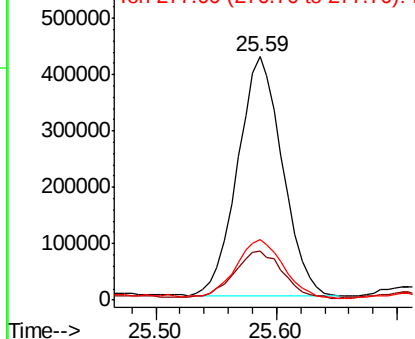


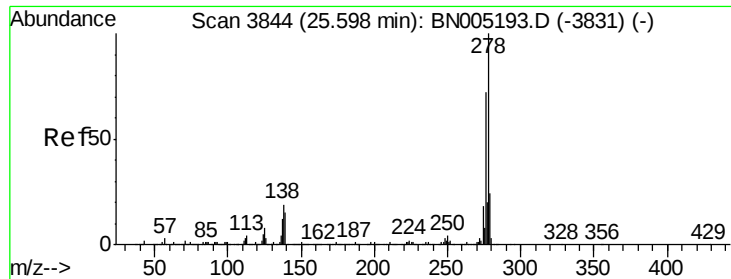
Abundance

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





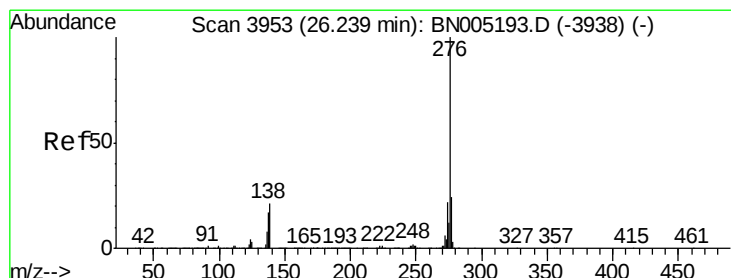
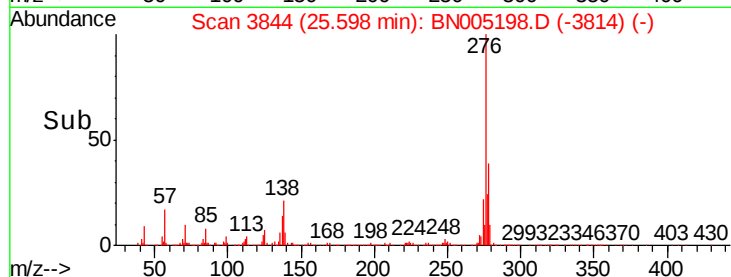
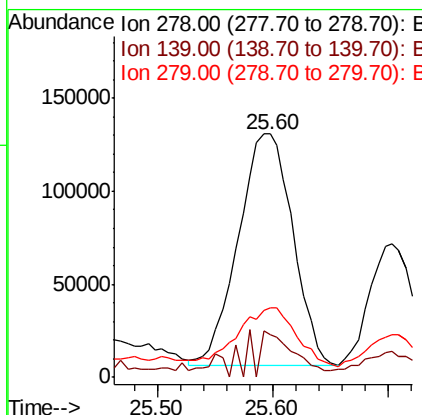
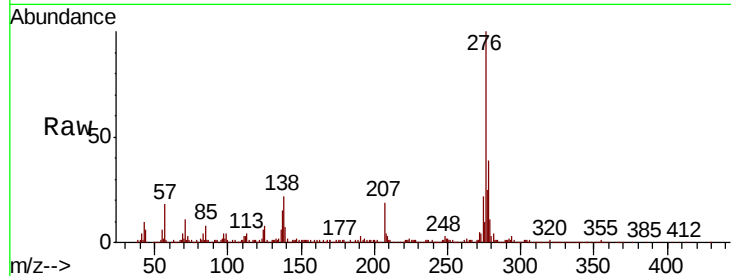
#92
Dibenzo(a,h)anthracene
Concen: 2.863 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Instrument :
BNA_N
ClientSampleId :
GAHR0

Tot Ion:278	Resp:	407428
Ion Ratio	Lower	Upper
278	100	
139	17.7	13.1 19.7
279	28.5	19.4 29.0

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#93
Benzo(g,h,i)perylene
Concen: 5.788 ng/ul
RT: 26.25 min Scan# 3955
Delta R.T. -0.01 min
Lab File: BN005198.D
Acq: 23 Apr 2019 05:38

Tgt Ion:276	Resp:	802415
Ion Ratio	Lower	Upper
276	100	
138	19.6	16.7 25.1
277	23.7	18.2 27.2

