

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005195.D
 Acq On : 23 Apr 2019 03:55
 Operator : JU/SJ
 Sample : K2402-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH8

Manual Integrations
 APPROVED

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 4/23/2019 4:19:48 PM

Quant Time: Apr 23 04:45:09 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	509166	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2644071	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1692876	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3608037	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2684196	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	2847547	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	81209	7.70	ng/uL	0.00
5) Phenol-d5	6.78	99	756888	18.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	508169	20.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	617560	20.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	490935	15.70	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	306427	18.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	325798	19.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	606134	16.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	538395	13.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1828848	14.88	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2389873	15.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	205825	10.61	ng/ul	0.00
57) Fluorene-d10	15.23	176	1620456	15.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	156390	9.64	ng/ul	0.00
70) Anthracene-d10	17.09	188	2320754	15.34	ng/ul	0.00
78) Pyrene-d10	19.39	212	2345026	17.08	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	1993686	16.02	ng/ul	-0.01

Target Compounds

					Ovalue
28) Naphthalene	10.42	128	21706151m	176.590	ng/ul
34) 2-Methylnaphthalene	12.04	142	9332072	103.687	ng/ul 99
40) 1,1'-Biphenyl	13.06	154	2080807	16.497	ng/ul 99
44) Dimethylphthalate	13.69	163	641020	5.235	ng/ul 100
47) Acenaphthylene	13.95	152	4516281	30.448	ng/ul 97
49) Acenaphthene	14.29	153	677878	6.694	ng/ul 100
53) Dibenzofuran	14.63	168	705444	4.839	ng/ul 97
58) Fluorene	15.29	166	4371254	38.423	ng/ul 96
69) Phenanthrene	17.03	178	16316427m	92.856	ng/ul
71) Anthracene	17.12	178	4697083	26.240	ng/ul 99
76) Fluoranthene	19.06	202	7956828	40.824	ng/ul 99
79) Pyrene	19.43	202	10754598	62.228	ng/ul 99
82) Benzo(a)anthracene	21.20	228	3867844m	23.163	ng/ul
84) Chrysene	21.24	228	3422978	22.087	ng/ul 98
87) Benzo(b)fluoranthene	22.76	252	2710510	16.933	ng/ul 99
88) Benzo(k)fluoranthene	22.80	252	671069m	4.390	ng/ul
90) Benzo(a)pyrene	23.32	252	2880428	19.145	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.58	276	1142268	6.867	ng/ul 97
92) Dibenzo(a,h)anthracene	25.58	278	346417m	2.454	ng/ul
93) Benzo(g,h,i)perylene	26.24	276	963957	7.008	ng/ul 99

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

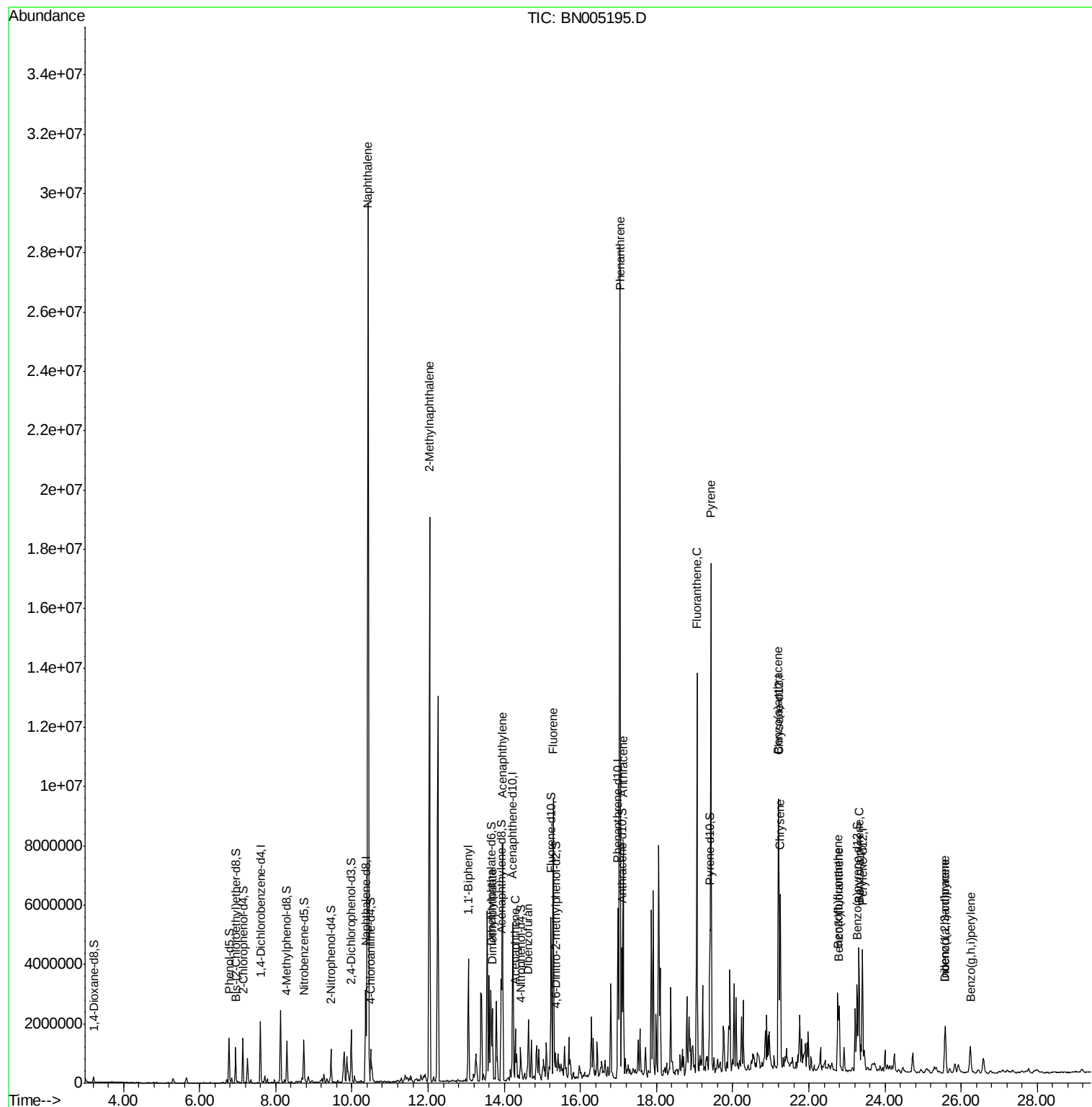
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005195.D
Acq On : 23 Apr 2019 03:55
Operator : JU/SJ
Sample : K2402-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

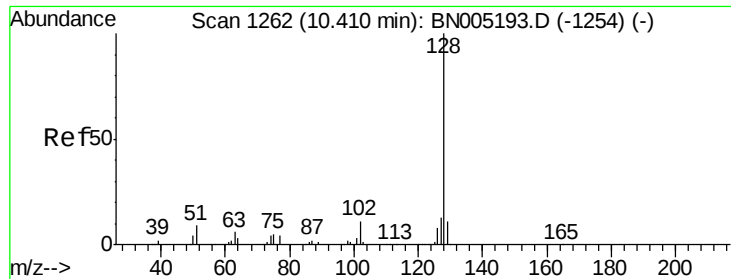
Instrument :
BNA_N
ClientSampleId :
GAHH8

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Quant Time: Apr 23 04:45:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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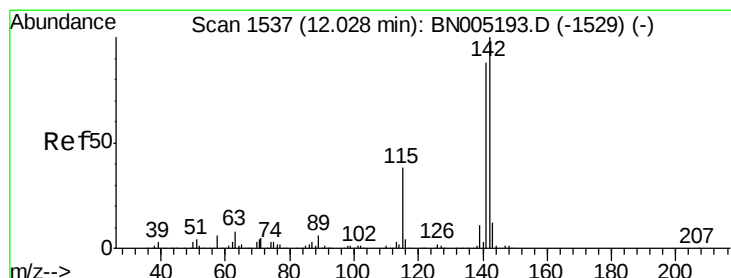
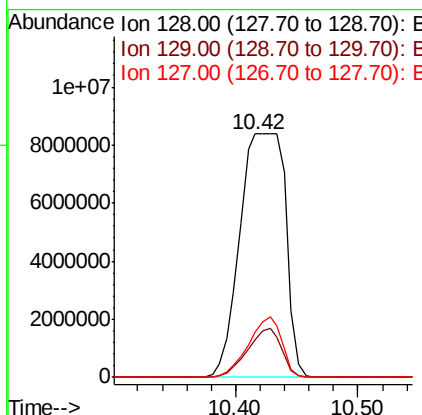
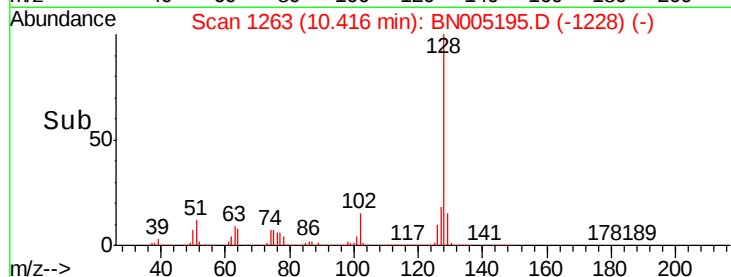
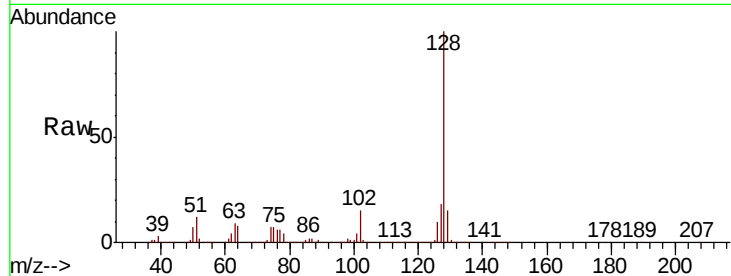
#28
Naphthalene
Concen: 176.590 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampleId :
GAHH8

Tot Ion:128 Resp:21706151
Ion Ratio Lower Upper
128 100
129 15.4 9.2 13.8#
127 18.4 10.7 16.1#

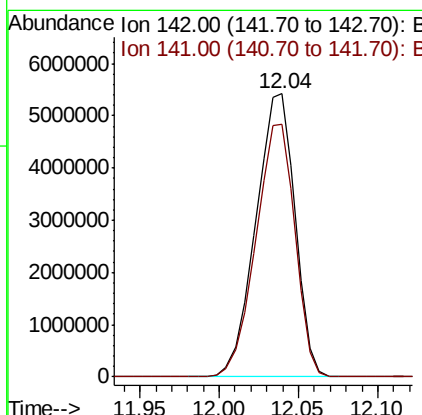
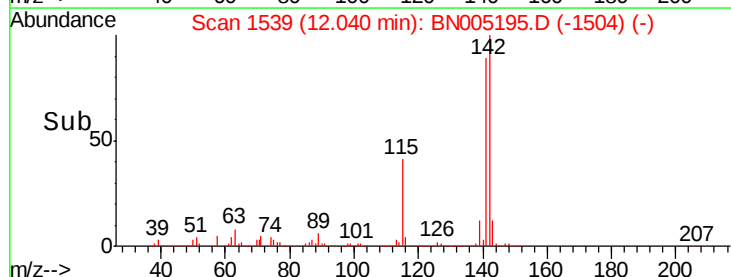
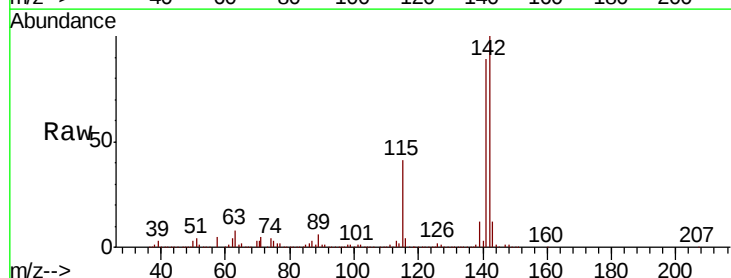
Manual Integrations
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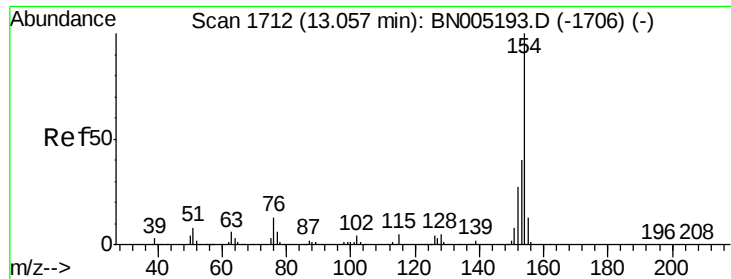
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#34
2-Methylnaphthalene
Concen: 103.687 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion:142 Resp: 9332072
Ion Ratio Lower Upper
142 100
141 89.4 72.0 108.0





#40

1,1'-Biphenyl

Concen: 16.497 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

Instrument :

BNA_N

ClientSampled :

GAHH8

Tot Ion:154 Resp: 2080807

Ion Ratio Lower Upper

154 100

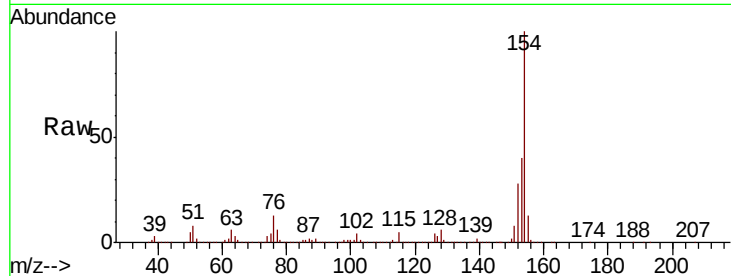
153 40.0 32.6 49.0

76 13.3 10.4 15.6

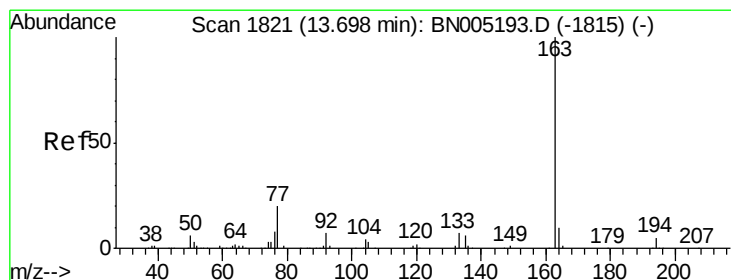
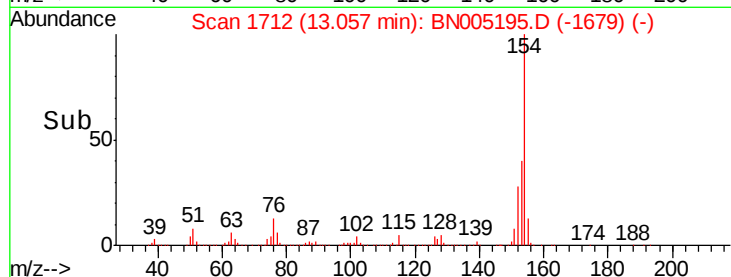
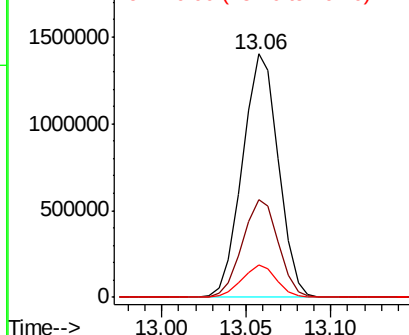
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#44

Dimethylphthalate

Concen: 5.235 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

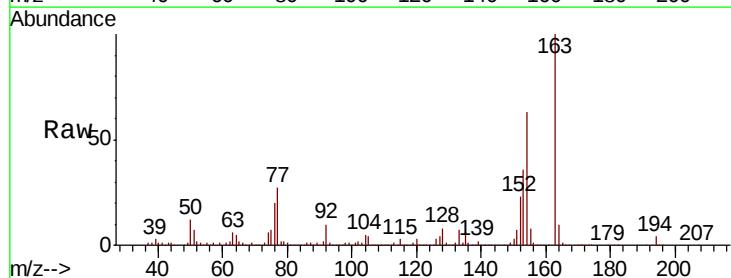
Tgt Ion:163 Resp: 641020

Ion Ratio Lower Upper

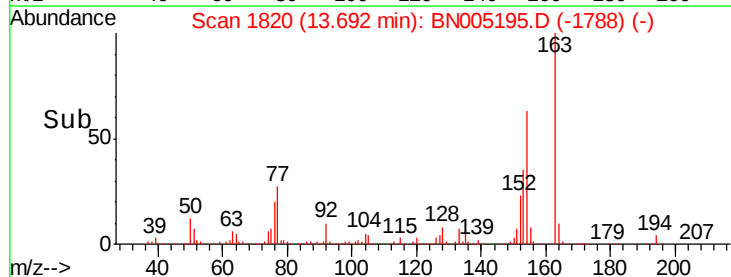
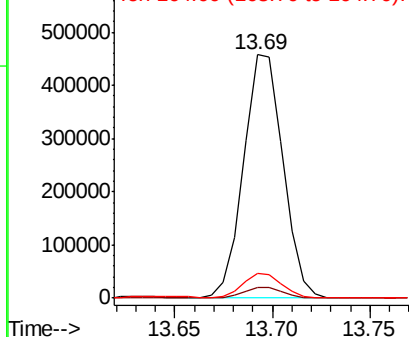
163 100

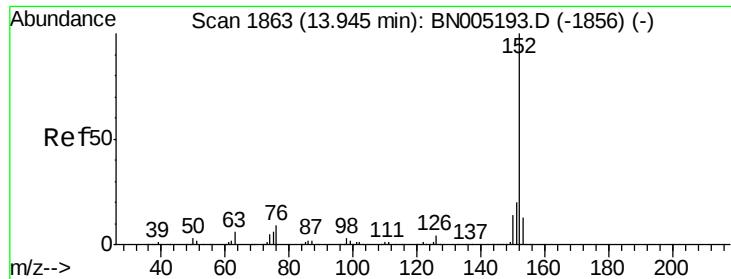
194 4.2 3.4 5.0

164 10.2 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: 30.448 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

Instrument :

BNA_N

ClientSampleId :

GAHH8

Tot Ion:152 Resp: 4516281

Ion Ratio Lower Upper

152 100

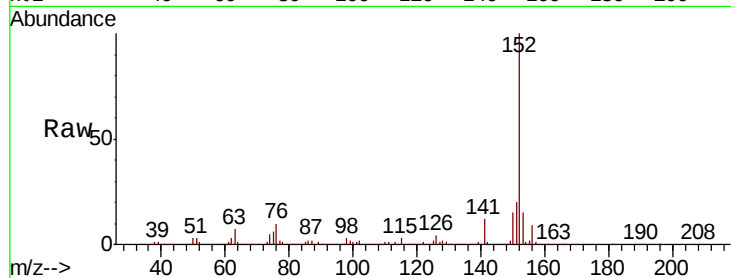
151 20.3 15.8 23.8

153 14.7 9.8 14.8

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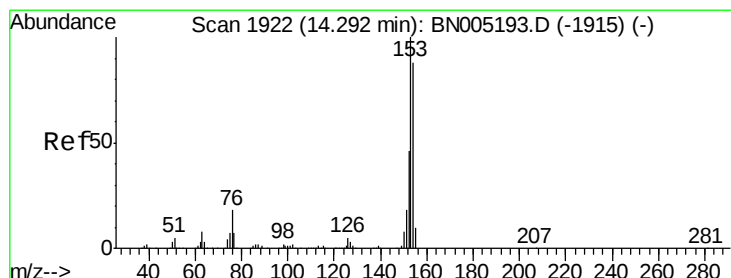
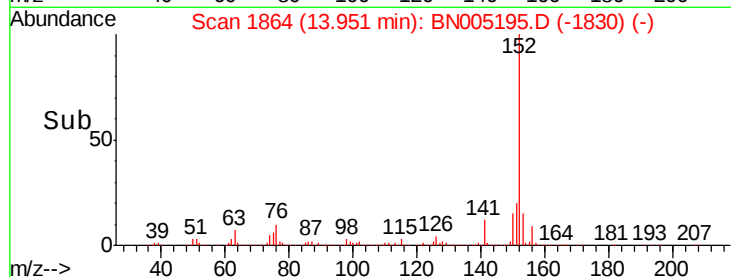
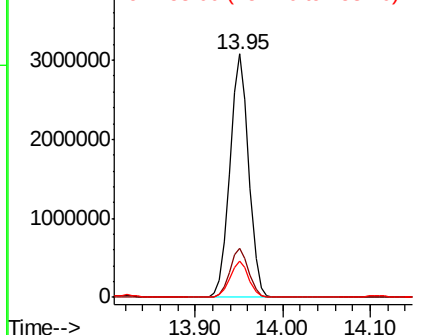


Abundance

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: 6.694 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

Tgt Ion:153 Resp: 677878

Ion Ratio Lower Upper

153 100

152 47.0 37.4 56.0

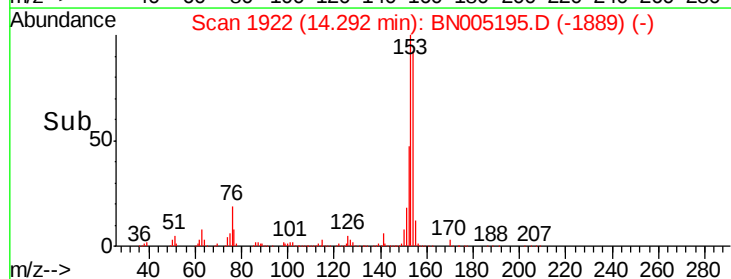
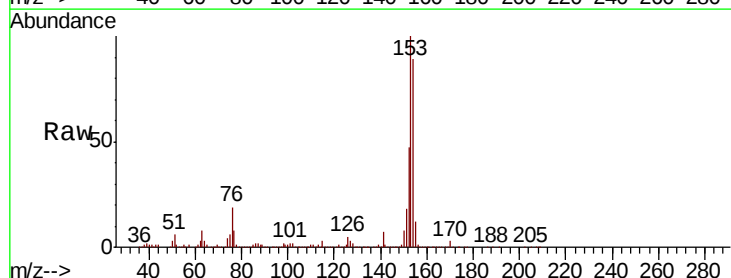
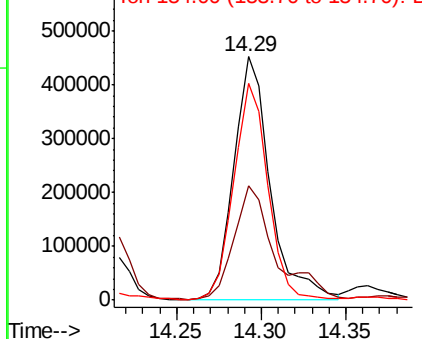
154 89.1 71.2 106.8

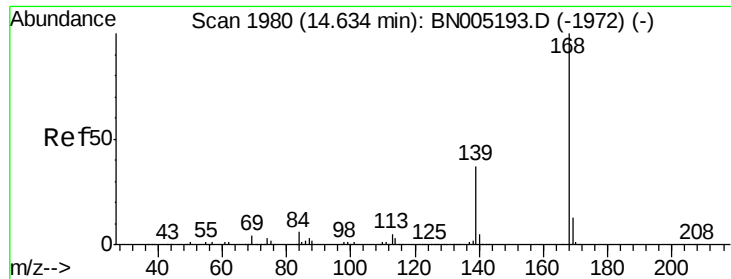
Abundance

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





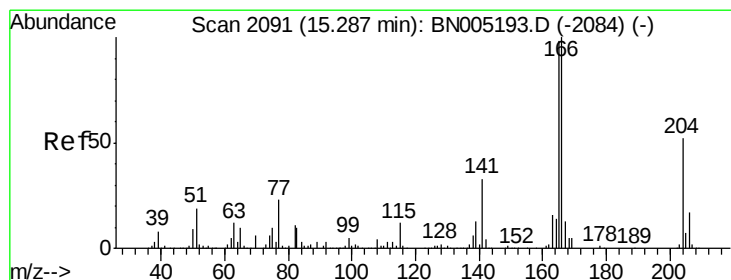
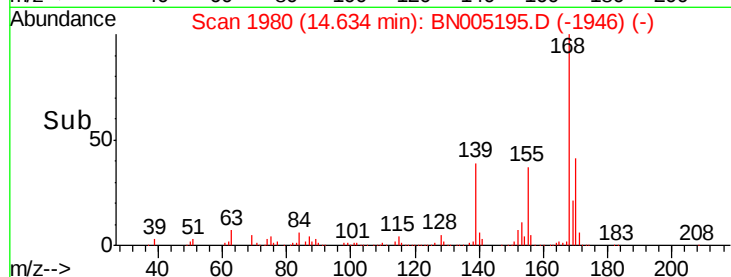
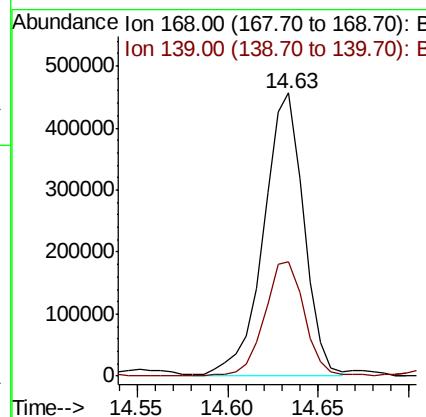
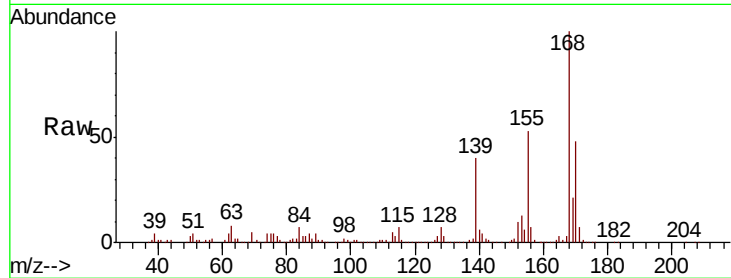
#53
Dibenzenofuran
Concen: 4.839 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampled :
GAHH8

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.9	46.3

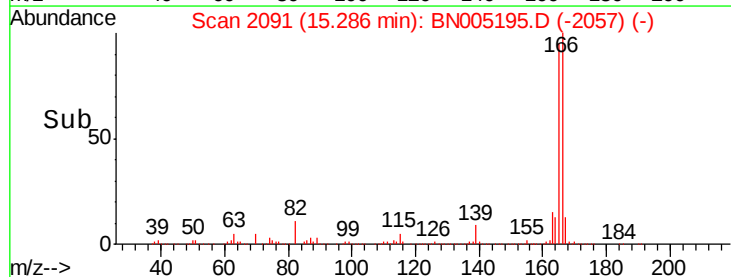
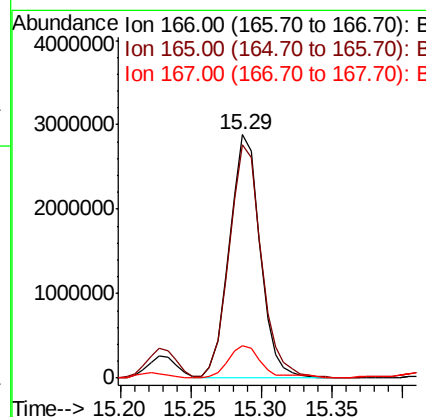
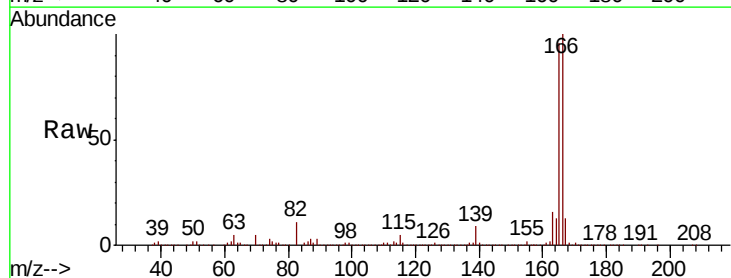
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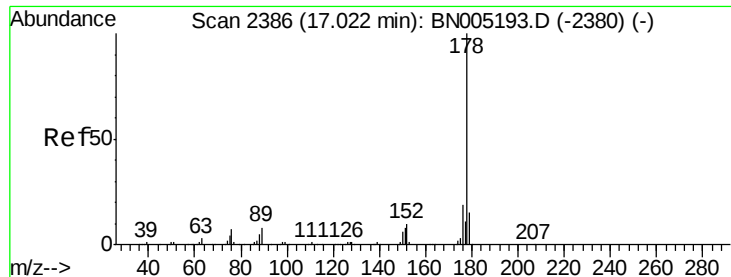
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#58
Fluorene
Concen: 38.423 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	80.0	120.0
167	13.4	10.7	16.1





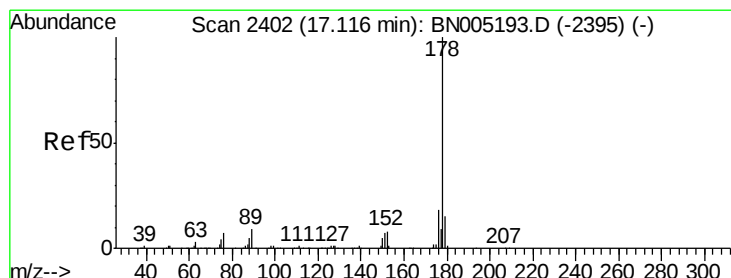
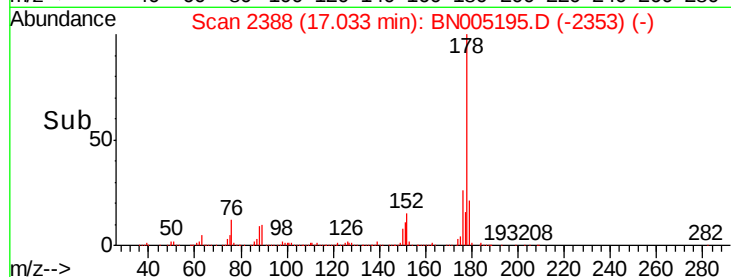
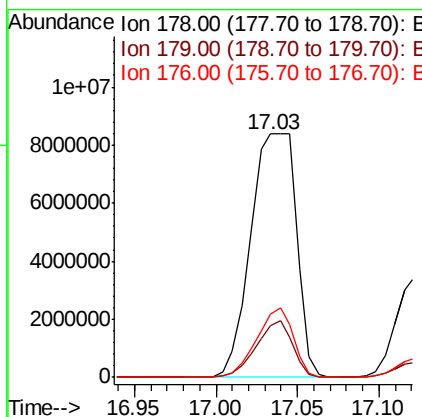
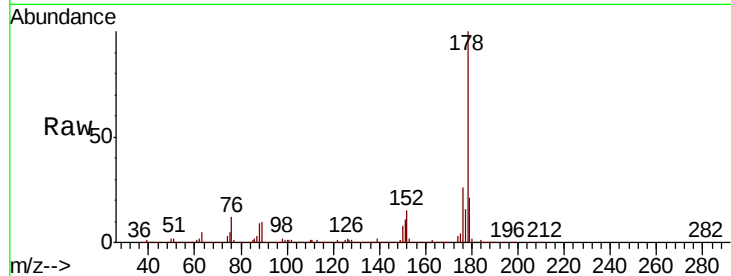
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Phenanthrene
Concen: 92.856 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampled :
GAHH8

Tot Ion:178 Resp:16316427
Ion Ratio Lower Upper
178 100
179 21.4 12.2 18.4#
176 26.0 15.1 22.7#

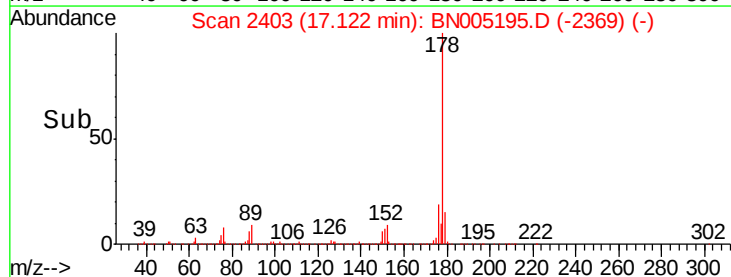
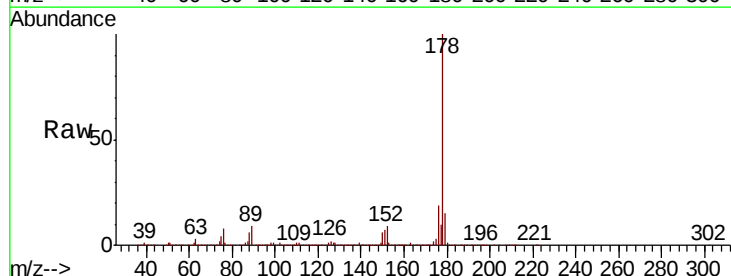
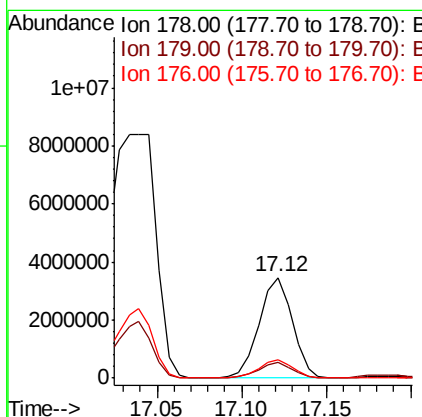
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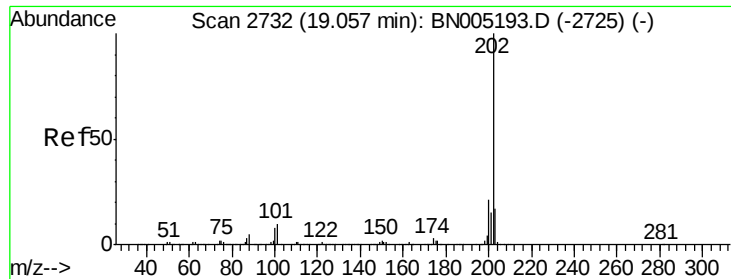
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#71
Anthracene
Concen: 26.240 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion:178 Resp: 4697083
Ion Ratio Lower Upper
178 100
179 15.3 12.3 18.5
176 18.6 15.1 22.7





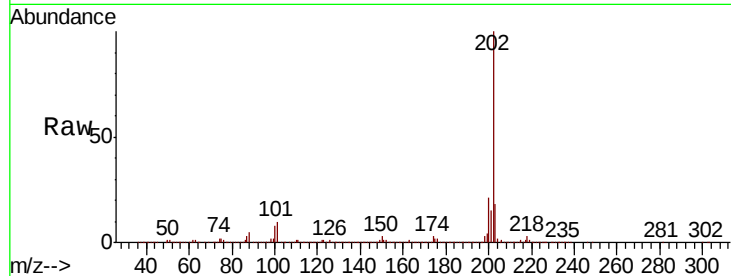
#76
 Fluoranthene
 Concen: 40.824 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN005195.D
 Acq: 23 Apr 2019 03:55

Instrument :
 BNA_N
 ClientSampleId :
 GAHH8

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.6	12.8
100	7.7	6.3	9.5

Manual Integrations
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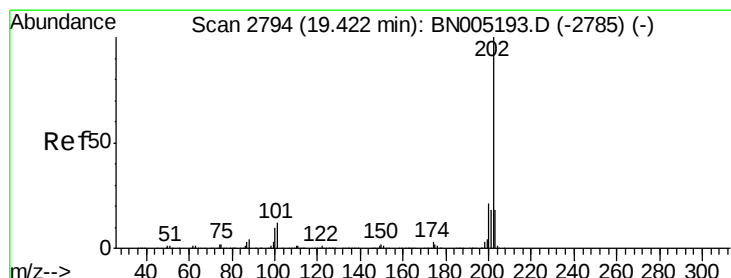
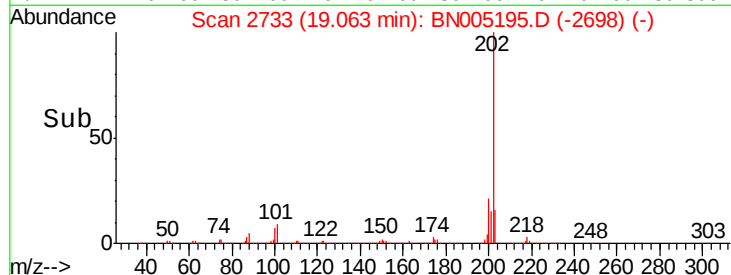
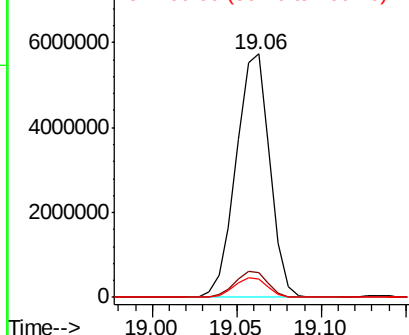


Abundance

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: 62.228 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: BN005195.D
 Acq: 23 Apr 2019 03:55

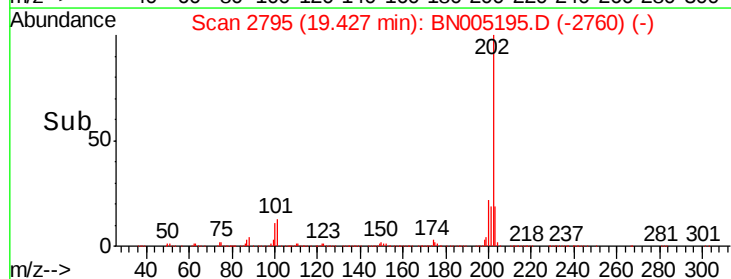
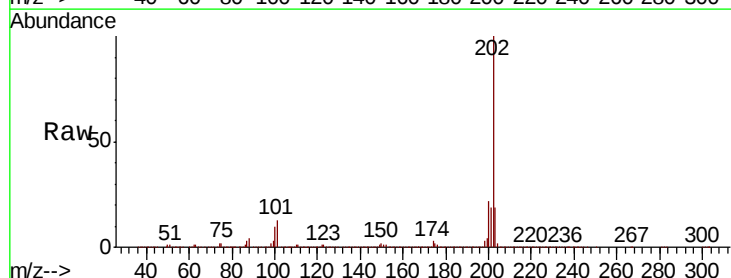
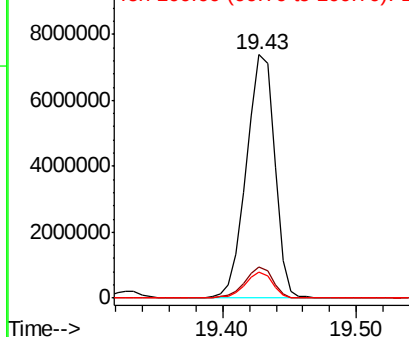
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.3	15.5
100	10.4	7.9	11.9

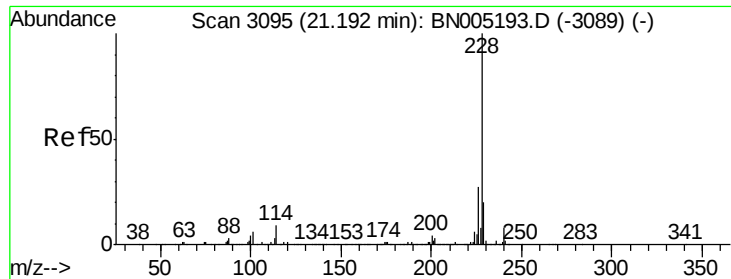
Abundance

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





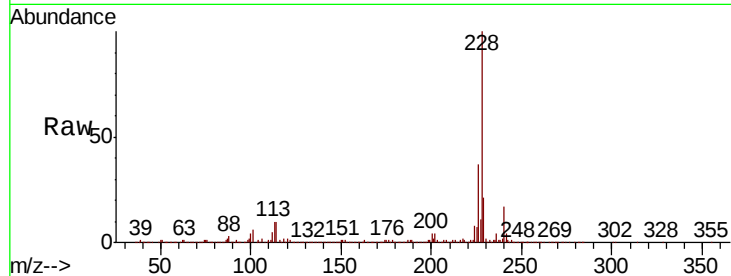
#82
Benzo(a)anthracene
Concen: 23.163 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampleId :
GAHH8

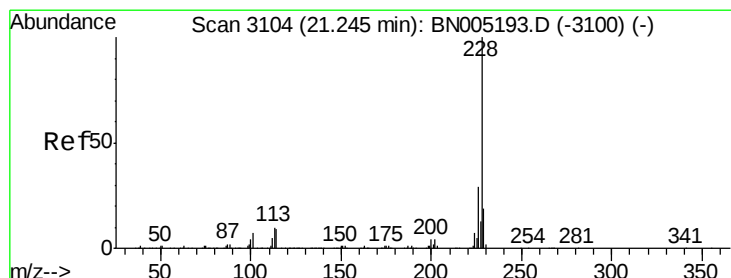
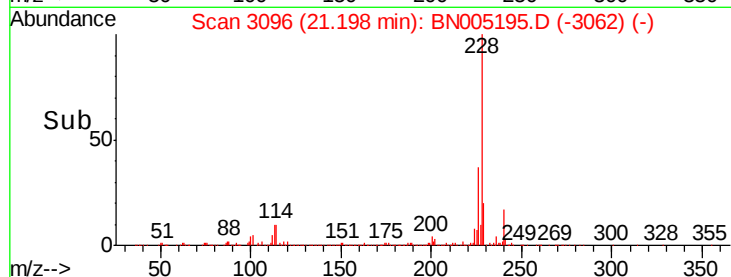
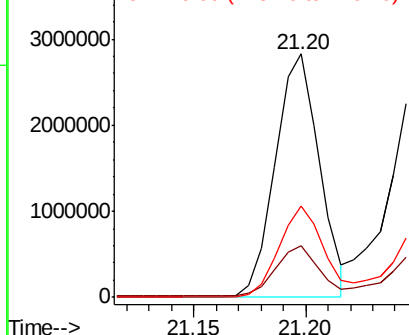
Tot Ion:228 Resp: 3867844
Ion Ratio Lower Upper
228 100
229 21.2 15.8 23.6
226 37.4 21.4 32.2#

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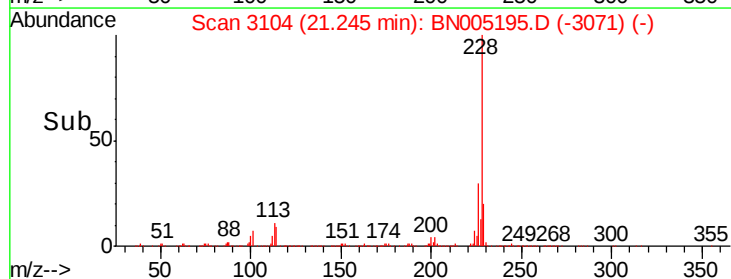
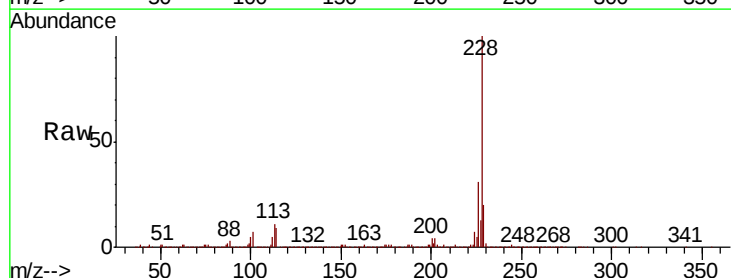
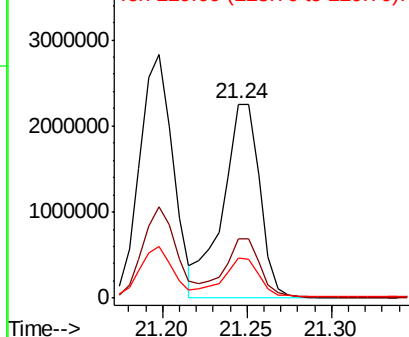
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

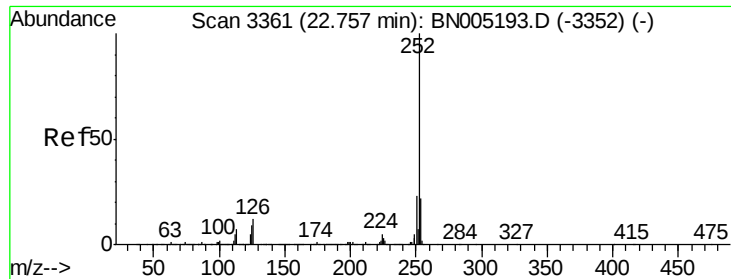


#84
Chrysene
Concen: 22.087 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion:228 Resp: 3422978
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.5 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





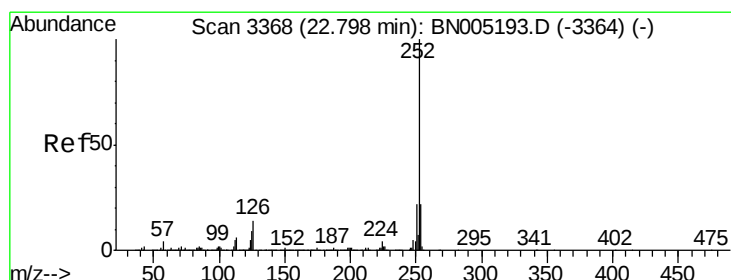
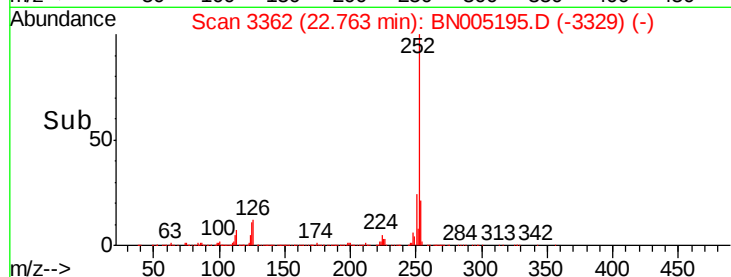
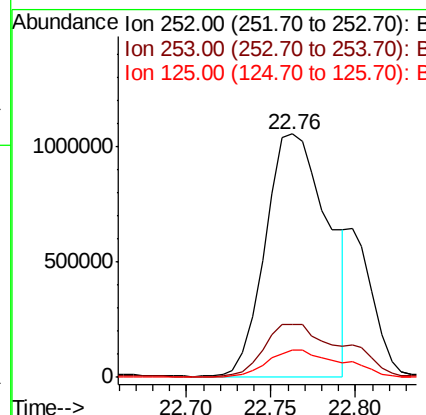
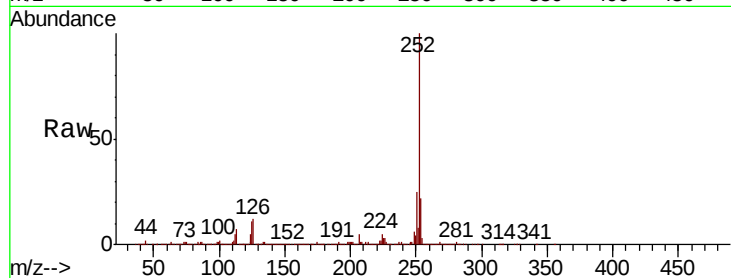
#87
Benzo(b)fluoranthene
Concen: 16.933 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampled :
GAHH8

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.0	8.4	12.6

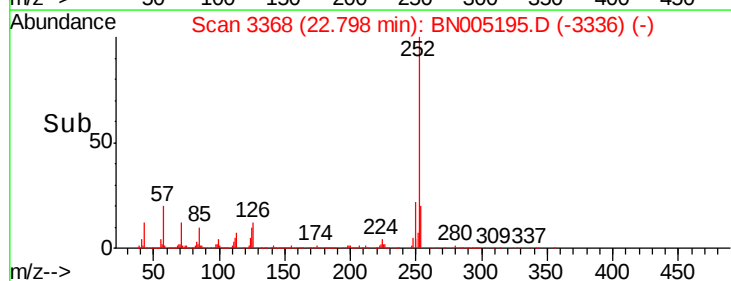
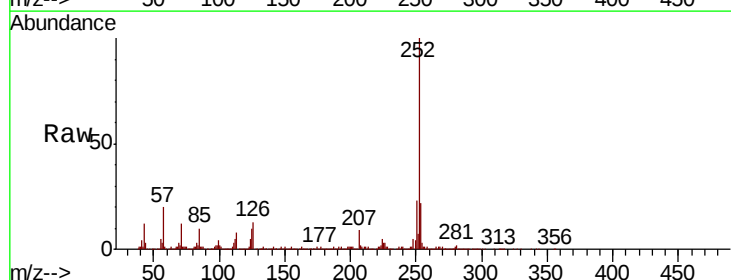
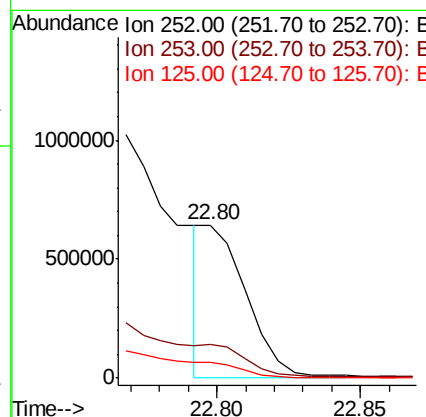
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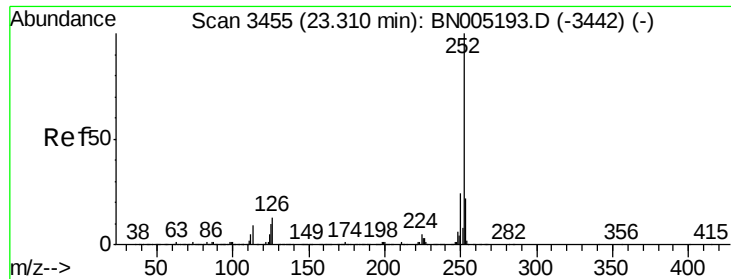
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#88
Benzo(k)fluoranthene
Concen: 4.390 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.2	7.5	11.3





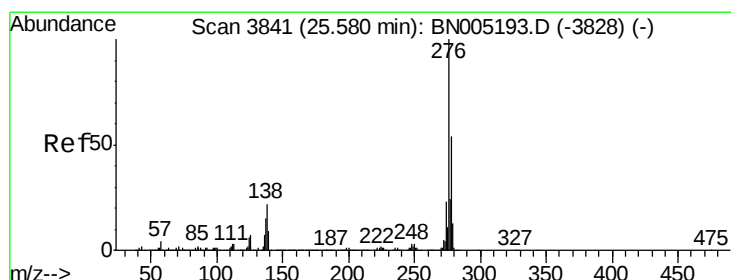
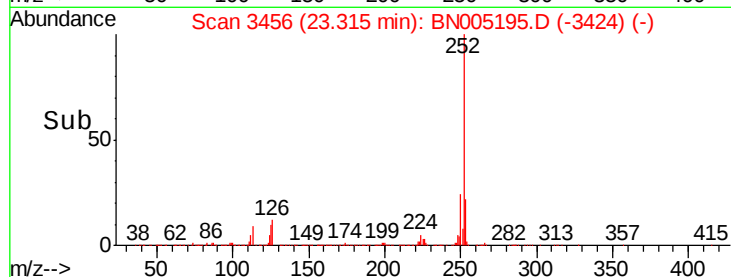
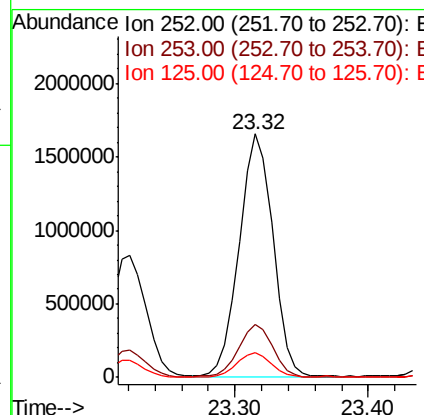
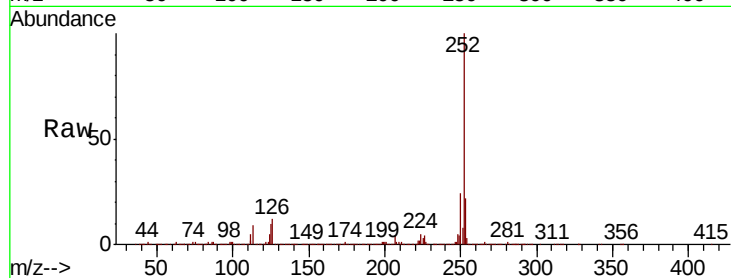
#90
Benzo(a)pyrene
Concen: 19.145 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Instrument :
BNA_N
ClientSampled :
GAHH8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.2	8.6	13.0

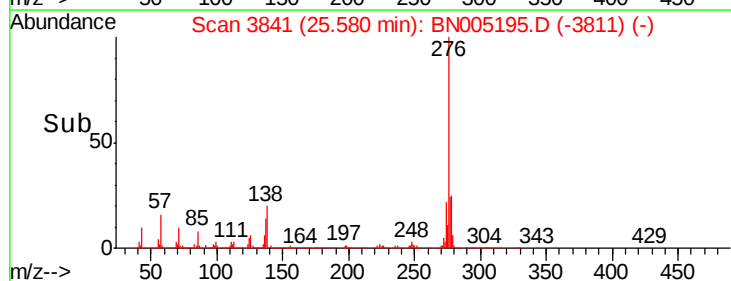
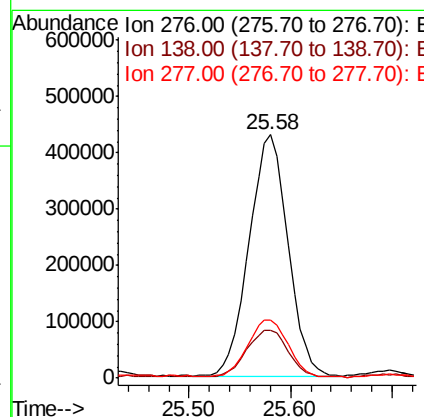
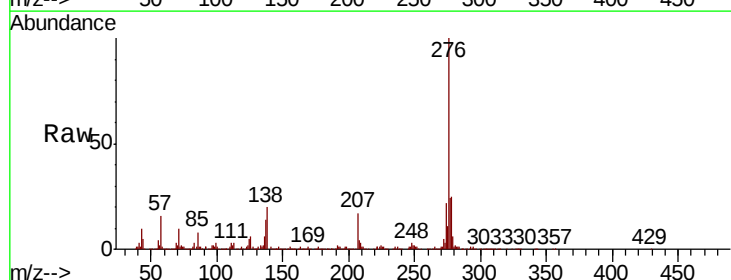
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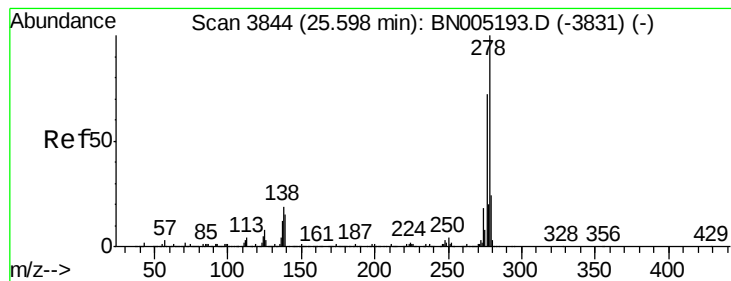
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#91
Indeno(1,2,3-cd)pyrene
Concen: 6.867 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.02 min
Lab File: BN005195.D
Acq: 23 Apr 2019 03:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	17.9	26.9
277	23.9	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 2.454 ng/ul m

RT: 25.58 min Scan# 3841

Delta R.T. -0.04 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

Instrument :

BNA_N

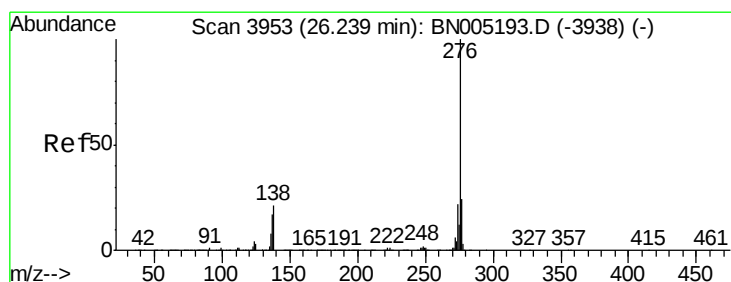
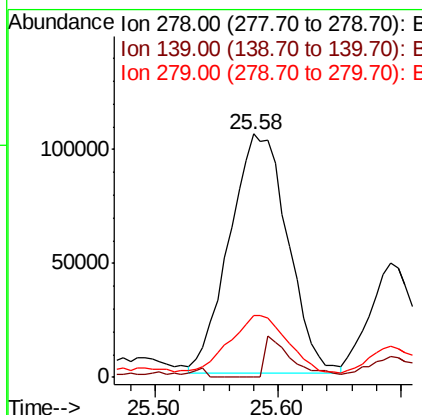
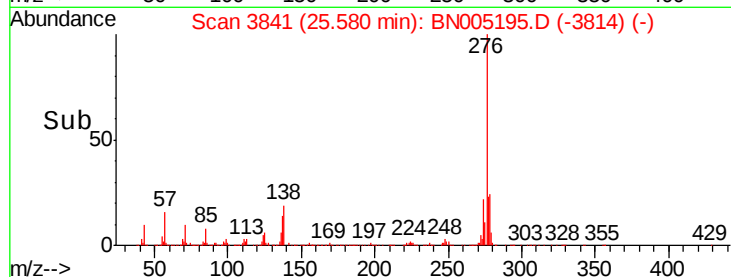
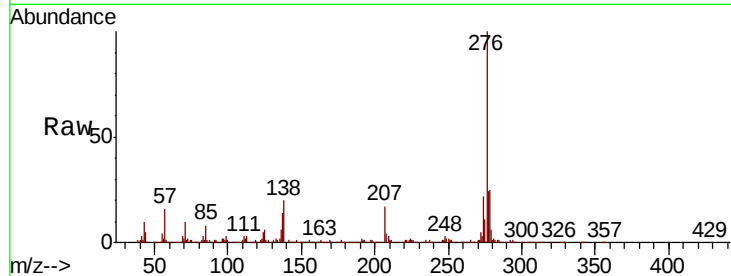
ClientSampled :

GAHH8

Tot Ion:	278	Resp:	346417
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	25.4	19.4	29.0

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#93

Benzo(g,h,i)perylene

Concen: 7.008 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. -0.02 min

Lab File: BN005195.D

Acq: 23 Apr 2019 03:55

Tgt Ion:	276	Resp:	963957
Ion Ratio	Lower	Upper	
276	100		
138	20.8	16.7	25.1
277	23.3	18.2	27.2

