

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006056.D
 Acq On : 04 Jun 2019 03:31
 Operator : JU/SJ
 Sample : K2928-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:39:33 AM

Quant Time: Jun 04 04:55:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 03 14:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	494951	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	2005801	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	953687	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1617942	20.00	ng/ul	0.01
77) Chrysene-d12	21.38	240	961929	20.00	ng/ul	0.03
85) Perylene-d12	23.68	264	1600733	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	41247	3.88	ng/uL	0.00
5) Phenol-d5	6.91	99	853624	20.87	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	515293	22.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	700349	21.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	659139	20.14	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	348198	24.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	342555	21.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	627374	21.55	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	275488	7.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1769113	26.22	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	2062384	23.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	204972	16.44	ng/ul	0.02
57) Fluorene-d10	15.38	176	1286944	22.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	34730	4.43	ng/ul	0.02
70) Anthracene-d10	17.25	188	1621080	23.91	ng/ul	0.01
78) Pyrene-d10	19.56	212	1356970	24.73	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1482282	20.84	ng/ul	0.05

Target Compounds

					Ovalue	
6) Phenol	6.93	94	57440	1.375	ng/ul	94
28) Naphthalene	10.57	128	287182	3.043	ng/ul	100
34) 2-Methylnaphthalene	12.19	142	133513	1.984	ng/ul	99
44) Dimethylphthalate	13.84	163	706167	10.574	ng/ul	100
47) Acenaphthylene	14.11	152	562299	6.593	ng/ul	96
49) Acenaphthene	14.45	153	414664	7.217	ng/ul	98
53) Dibenzofuran	14.79	168	137580	1.686	ng/ul#	65
58) Fluorene	15.44	166	372236	5.904	ng/ul#	94
69) Phenanthrene	17.19	178	8309270	105.833	ng/ul	97
71) Anthracene	17.28	178	3452065	43.297	ng/ul	98
74) Carbazole	17.55	167	225169	3.283	ng/ul#	55
76) Fluoranthene	19.24	202	20274939m	265.353	ng/ul	
79) Pyrene	19.60	202	22713615m	327.613	ng/ul	
82) Benzo(a)anthracene	21.36	228	17240669	290.065	ng/ul#	89
84) Chrysene	21.42	228	16202725	288.119	ng/ul#	92
87) Benzo(b)fluoranthene	23.01	252	20061266	227.222	ng/ul	96
88) Benzo(k)fluoranthene	23.04	252	5596518m	65.414	ng/ul	
90) Benzo(a)pyrene	23.61	252	15748081	187.598	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	26.05	276	10935600m	113.155	ng/ul	
92) Dibenzo(a,h)anthracene	26.02	278	4185854	51.373	ng/ul#	92
93) Benzo(a,h,i)perylene	26.76	276	9620222	120.938	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

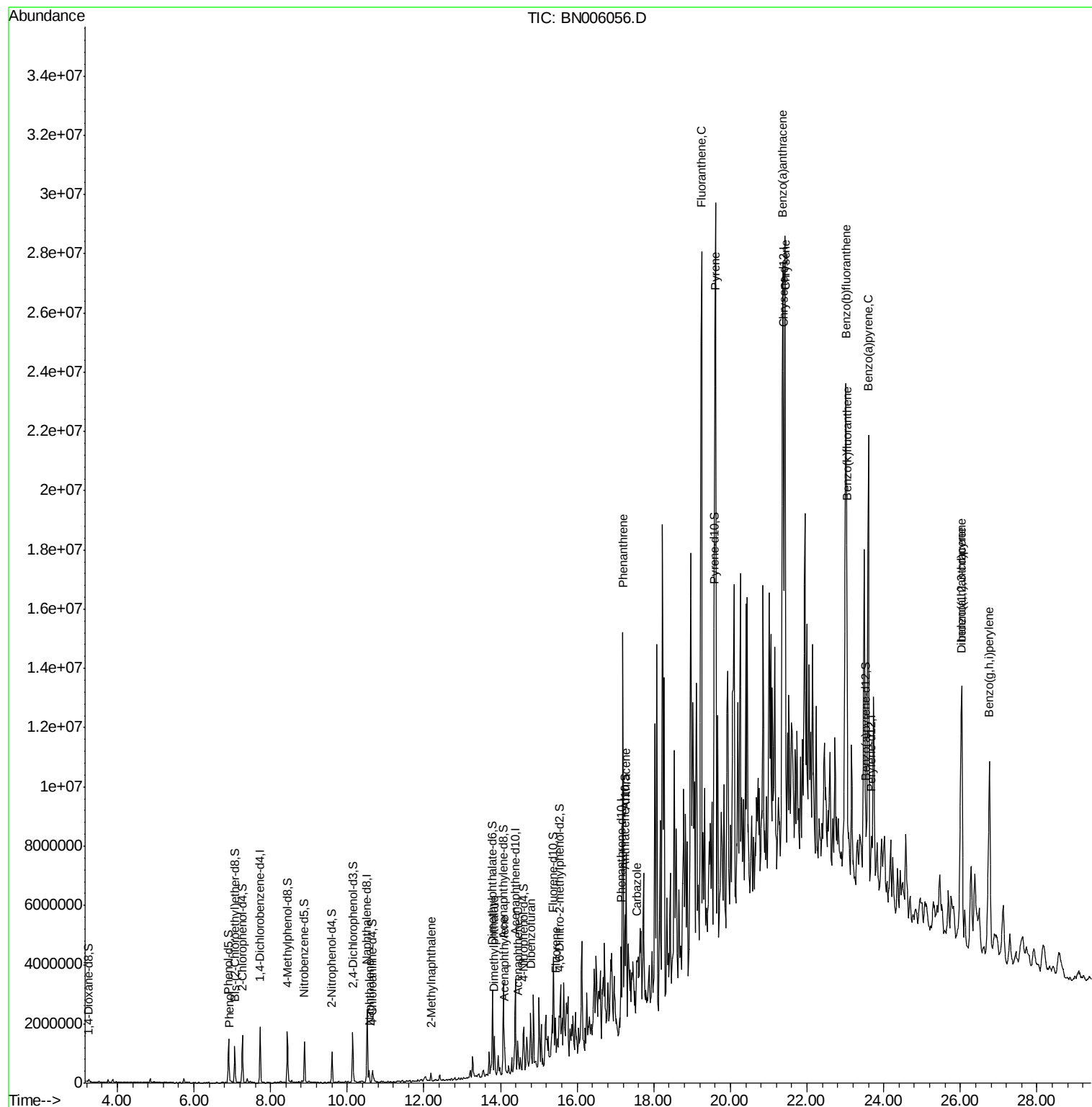
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006056.D
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Operator : JU/SJ
Sample : K2928-15
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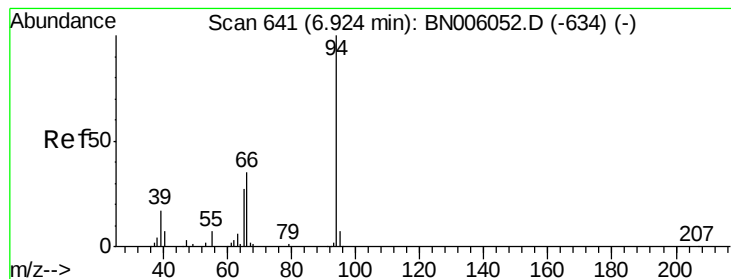
Instrument :
BNA_N
ClientSampled :
A42C9

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#6

Phenol

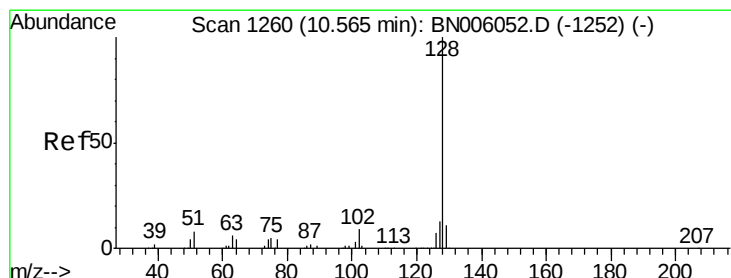
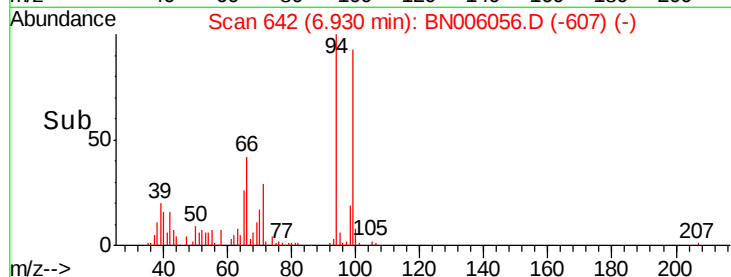
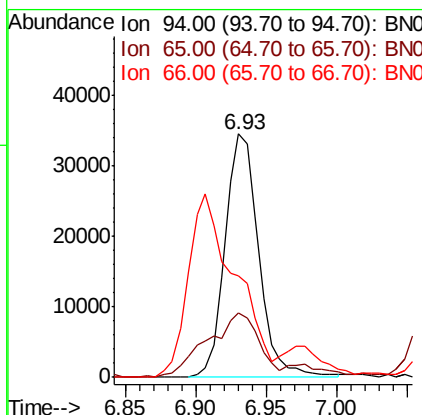
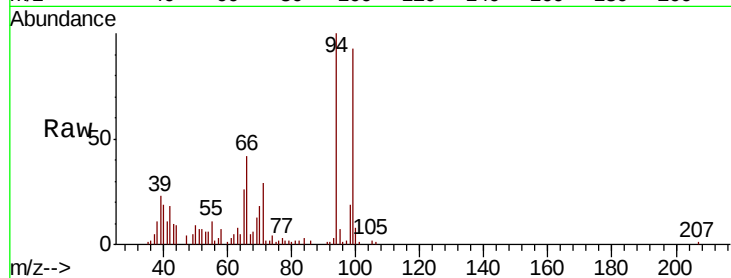
Concen: 1.375 ng/ul
 RT: 6.93 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: BN006056.D
 Acq: 04 Jun 2019 03:31

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.4	21.1	31.7
66	41.8	28.2	42.2

Manual Integrations
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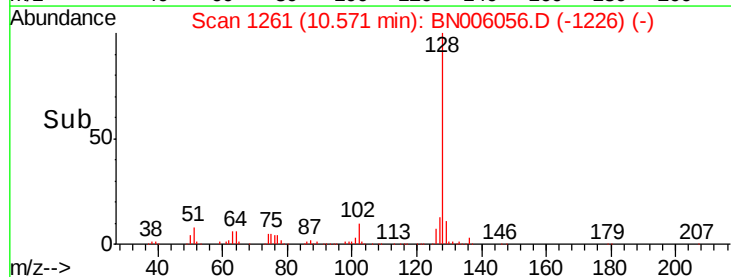
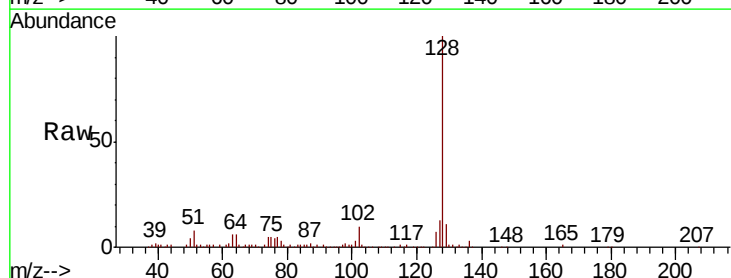
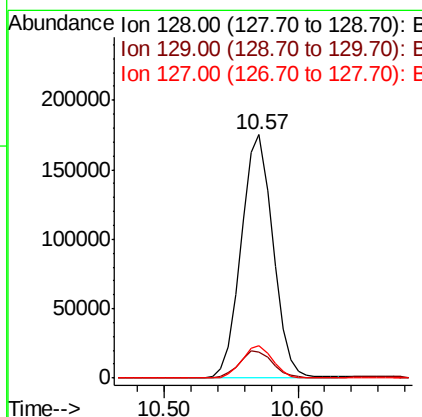


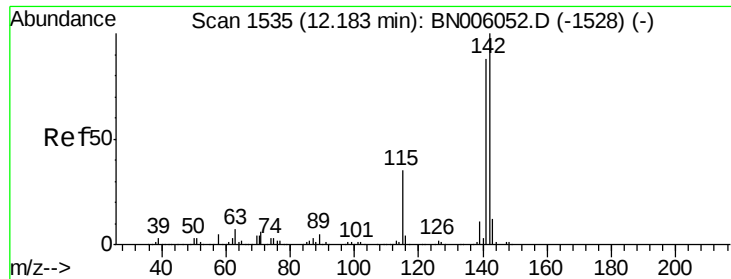
#28

Naphthalene

Concen: 3.043 ng/ul
 RT: 10.57 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: BN006056.D
 Acq: 04 Jun 2019 03:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.2	10.6	16.0





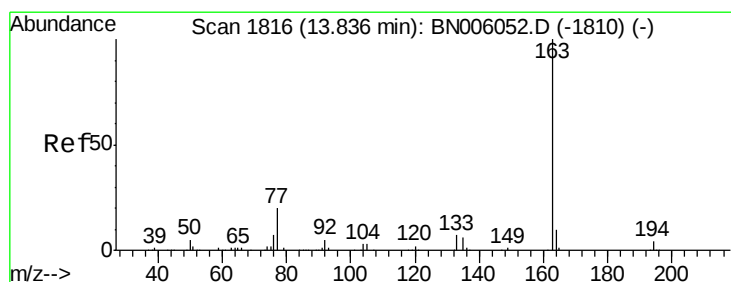
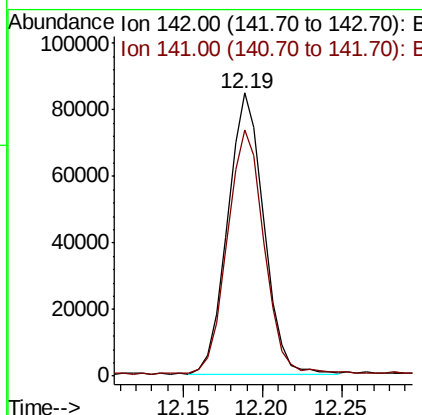
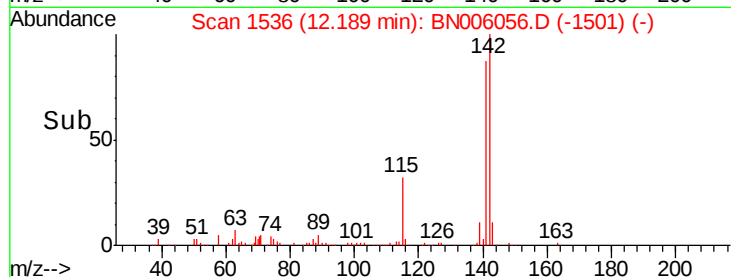
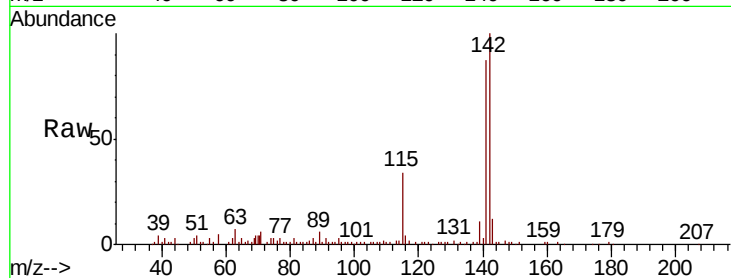
#34
2-Methylnaphthalene
Concen: 1.984 ng/ul
RT: 12.19 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Instrument :
BNA_N
ClientSampled :
A42C9

Tot Ion:142 Resp: 133513
Ion Ratio Lower Upper
142 100
141 87.2 70.4 105.6

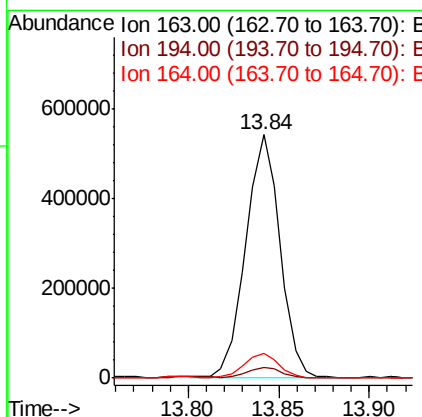
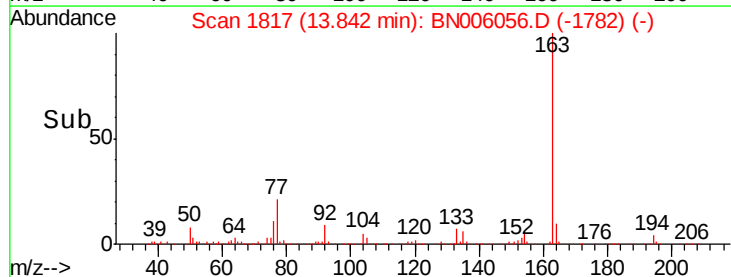
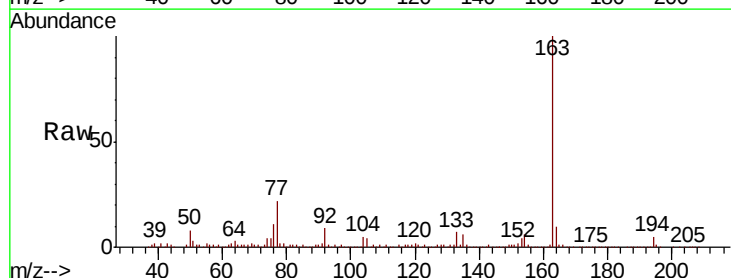
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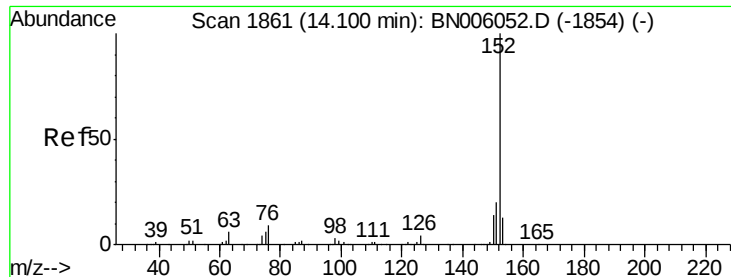
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#44
Dimethylphthalate
Concen: 10.574 ng/ul
RT: 13.84 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:163 Resp: 706167
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.2 8.2 12.4





#47

Acenaphthylene

Concen: 6.593 ng/ul

RT: 14.11 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

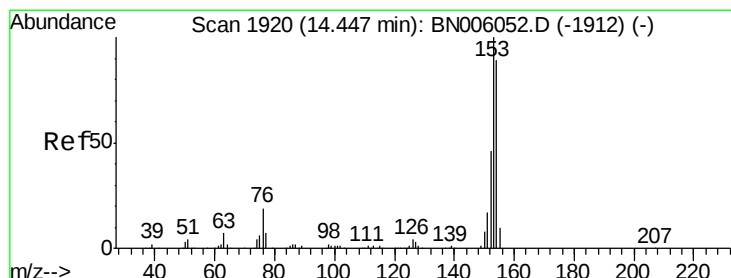
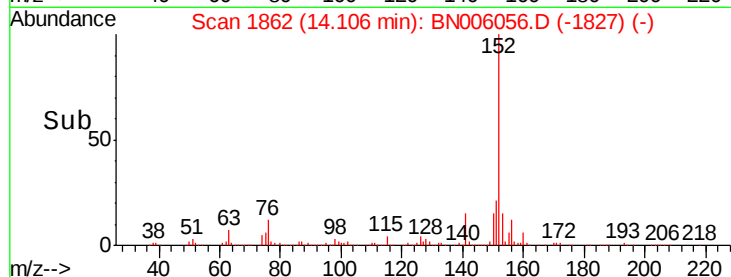
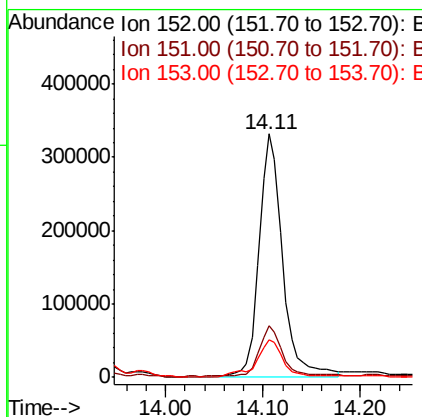
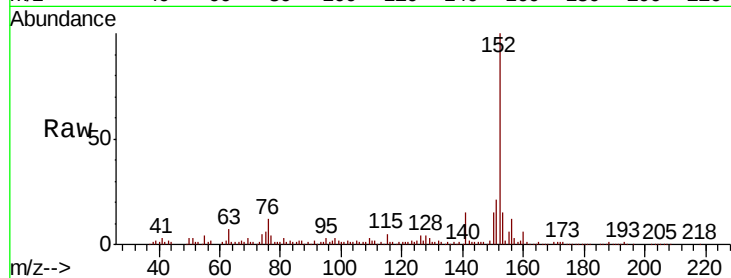
ClientSampled :

A42C9

Tot Ion:	152	Resp:	562299
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.2	24.2
153	15.3	10.5	15.7

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#49

Acenaphthene

Concen: 7.217 ng/ul

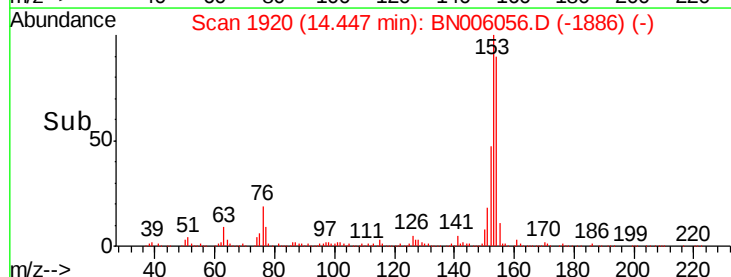
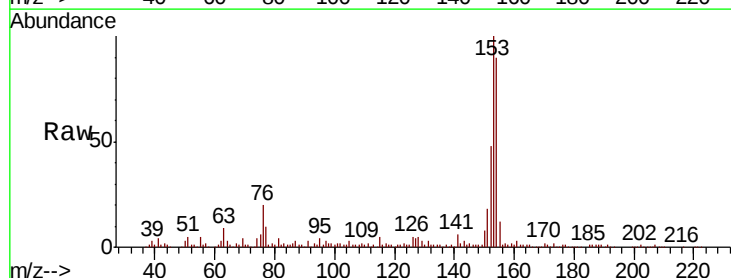
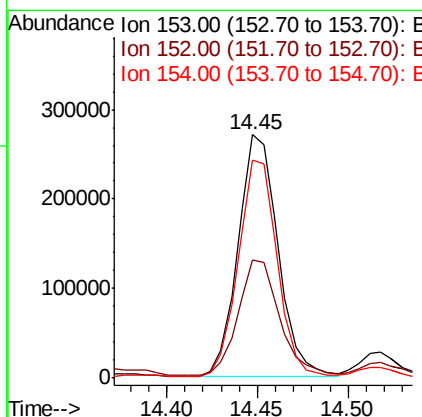
RT: 14.45 min Scan# 1920

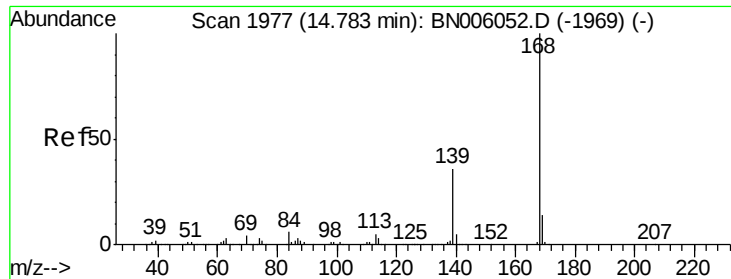
Delta R.T. 0.00 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Tgt Ion:	153	Resp:	414664
Ion Ratio	Lower	Upper	
153	100		
152	48.4	37.4	56.2
154	89.8	70.7	106.1





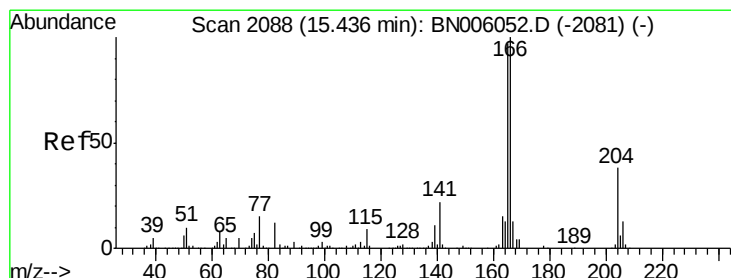
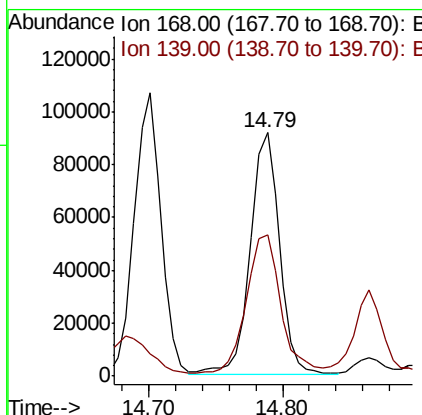
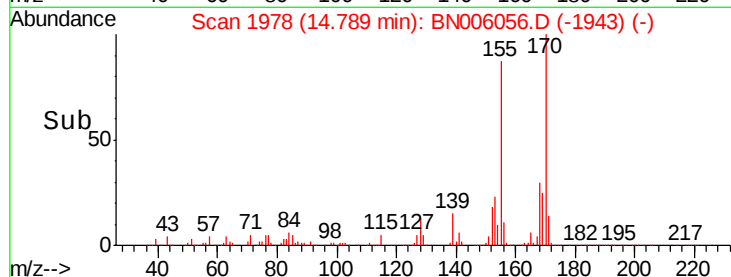
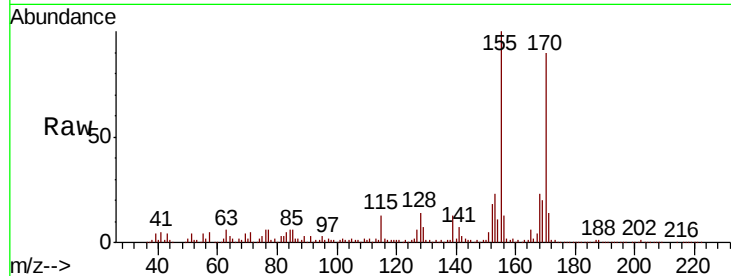
#53
Dibenzofuran
Concen: 1.686 ng/ul
RT: 14.79 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Instrument :
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ClientSampleId :
A42C9

Tot Ion:168 Resp: 137580
Ion Ratio Lower Upper
168 100
139 57.9 29.8 44.6#

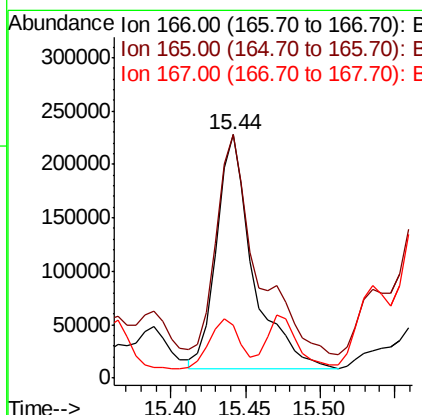
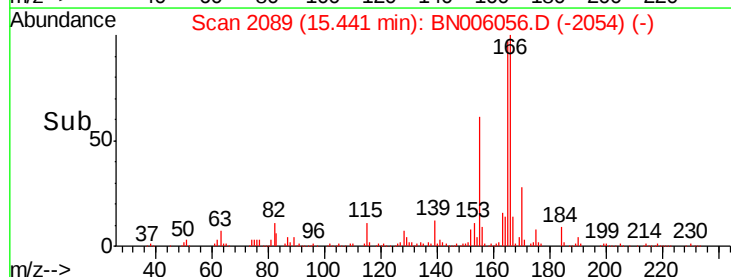
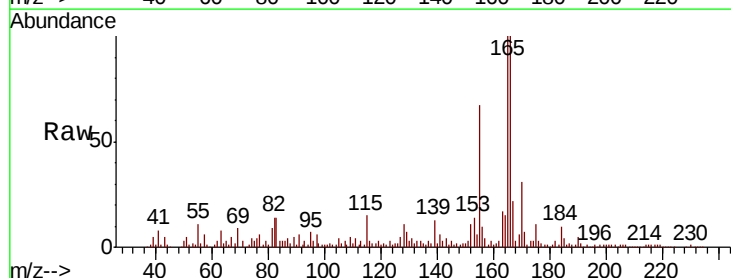
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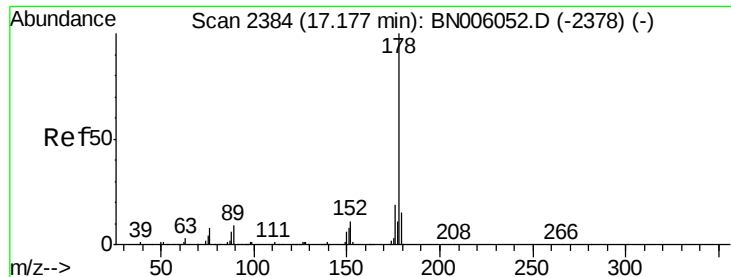
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#58
Fluorene
Concen: 5.904 ng/ul
RT: 15.44 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:166 Resp: 372236
Ion Ratio Lower Upper
166 100
165 99.9 76.6 115.0
167 21.6 10.8 16.2#





#69

Phenanthrene

Concen: 105.833 ng/ul

RT: 17.19 min Scan# 2387

Delta R.T. 0.02 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

ClientSampled :

A42C9

Tot Ion:178 Resp: 8309270

Ion Ratio Lower Upper

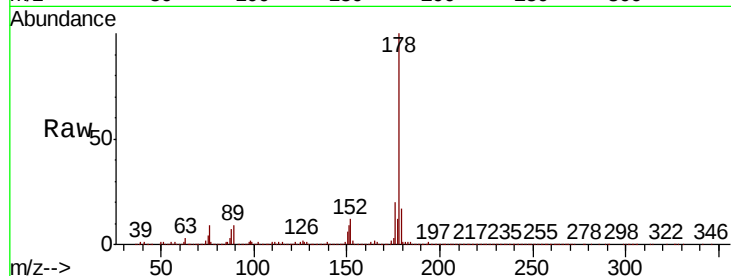
178 100

179 16.8 12.4 18.6

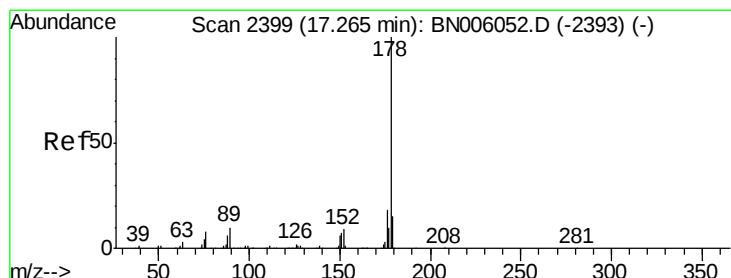
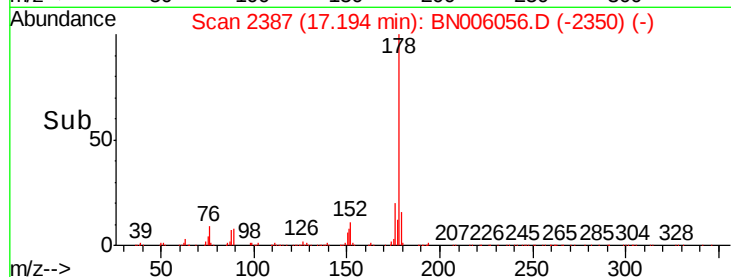
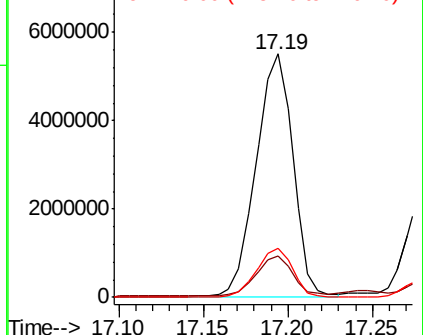
176 20.1 15.0 22.4

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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: 43.297 ng/ul

RT: 17.28 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

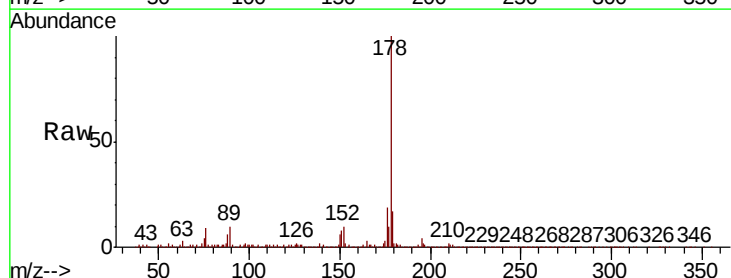
Tgt Ion:178 Resp: 3452065

Ion Ratio Lower Upper

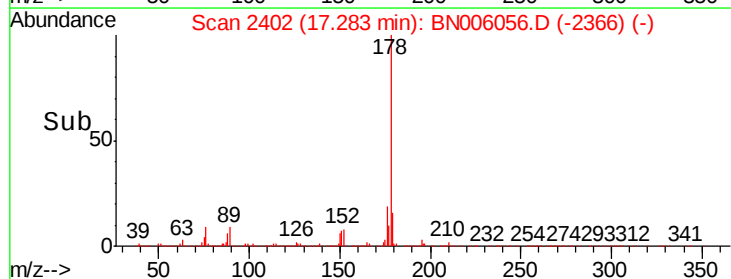
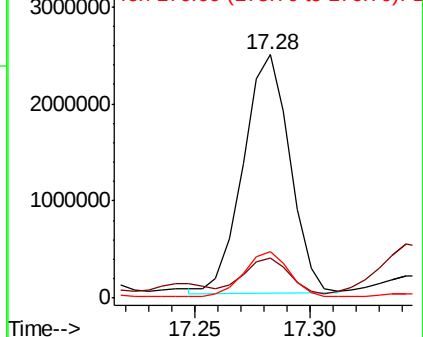
178 100

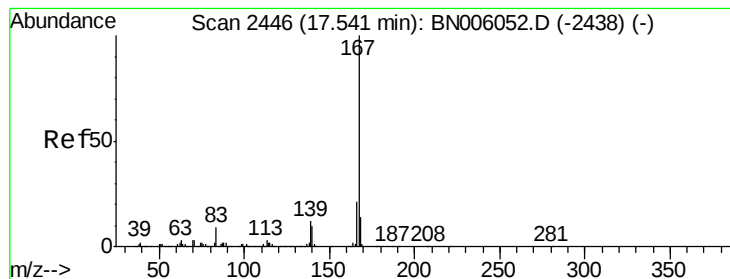
179 16.6 12.4 18.6

176 19.0 14.8 22.2



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: 3.283 ng/ul

RT: 17.55 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

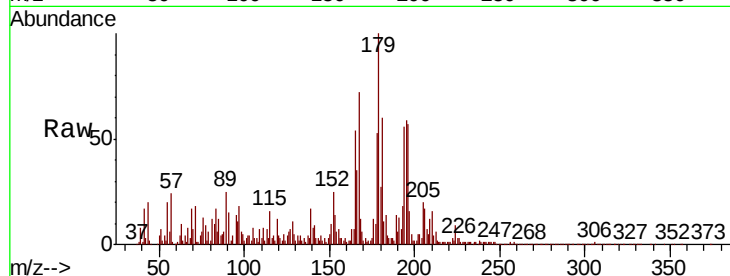
ClientSampled :

A42C9

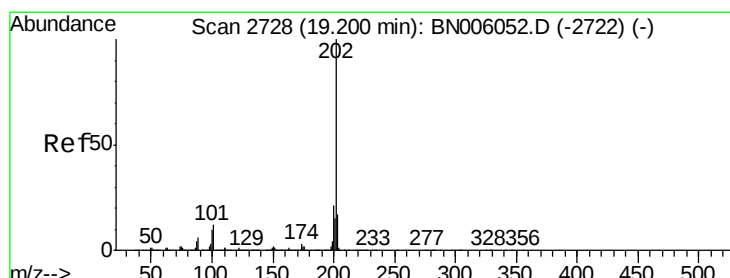
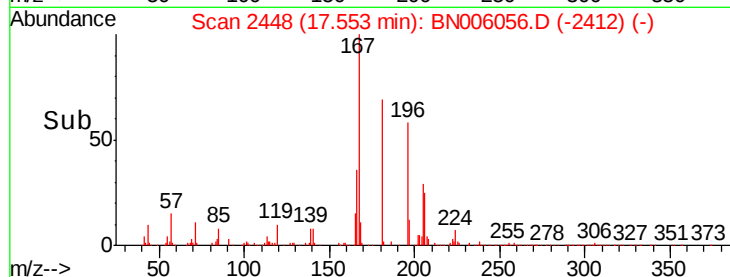
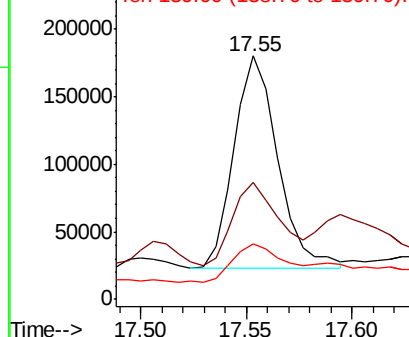
Tot Ion:	167	Resp:	225169
Ion Ratio	Lower	Upper	
167	100		
166	47.9	17.0	25.6#
139	23.0	10.4	15.6#

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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: 265.353 ng/ul m

RT: 19.24 min Scan# 2734

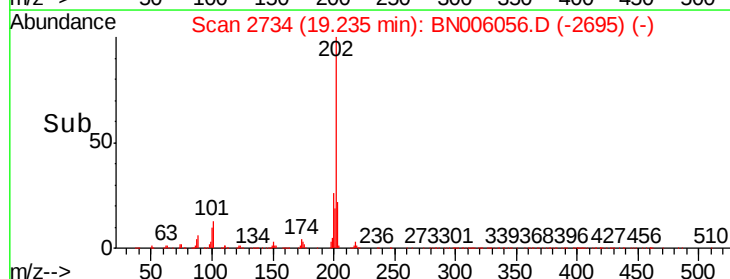
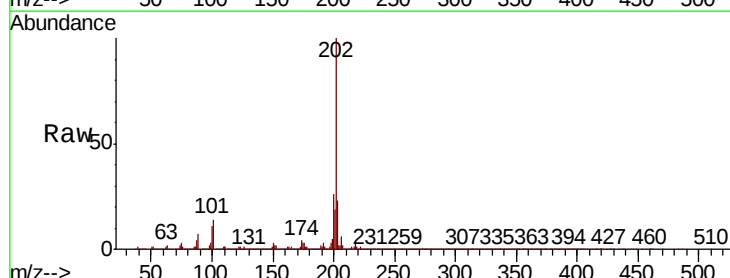
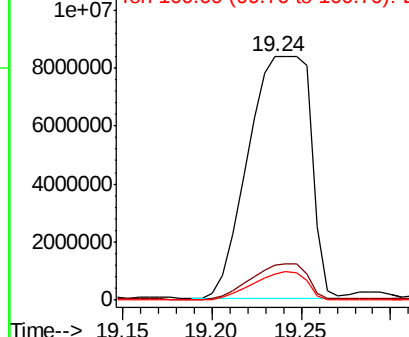
Delta R.T. 0.03 min

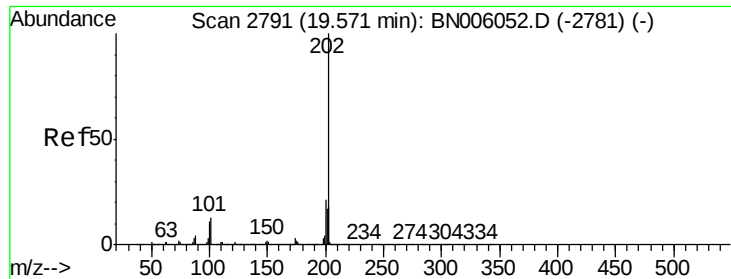
Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Tgt Ion:	202	Resp:	20274939
Ion Ratio	Lower	Upper	
202	100		
101	14.3	9.6	14.4
100	10.7	7.1	10.7#

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

Pvrene

Concen: 327.613 ng/ul m

RT: 19.60 min Scan# 2796

Delta R.T. 0.03 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

ClientSampled :

A42C9

Tot Ion:202 Resp:22713615

Ion Ratio Lower Upper

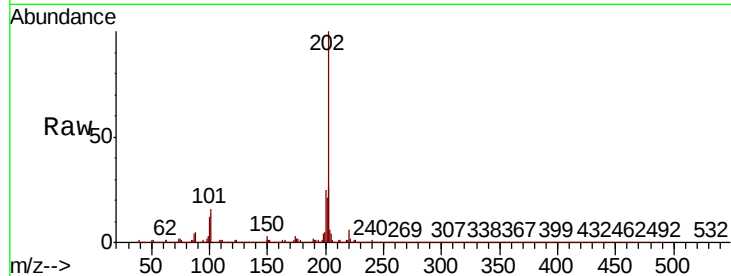
202 100

101 15.9 11.6 17.4

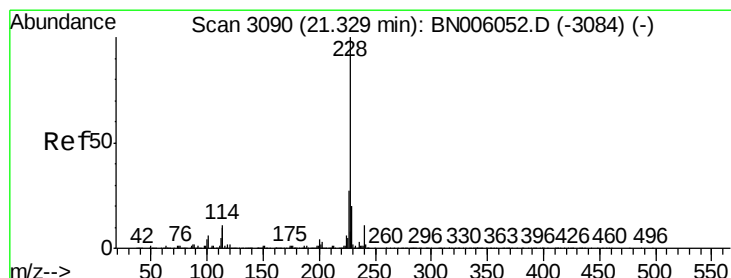
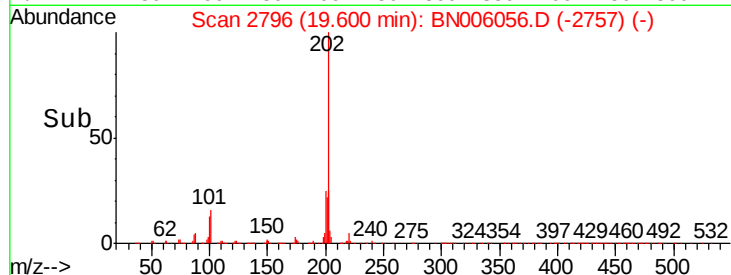
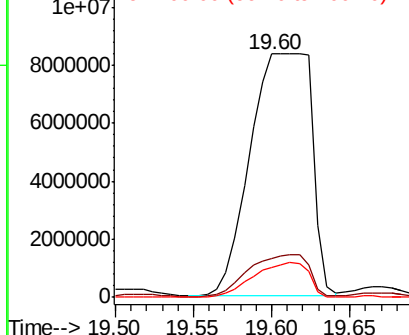
100 12.5 9.4 14.2

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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



#82

Benzo(a)anthracene

Concen: 290.065 ng/ul

RT: 21.36 min Scan# 3096

Delta R.T. 0.03 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Tgt Ion:228 Resp:17240669

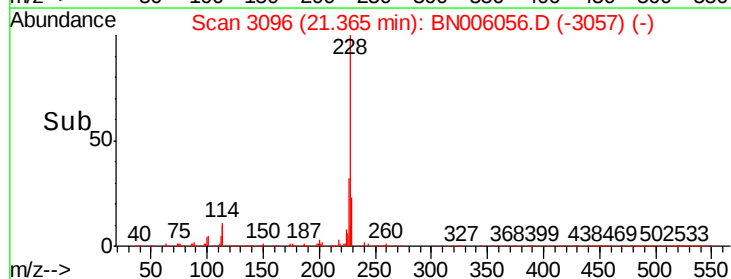
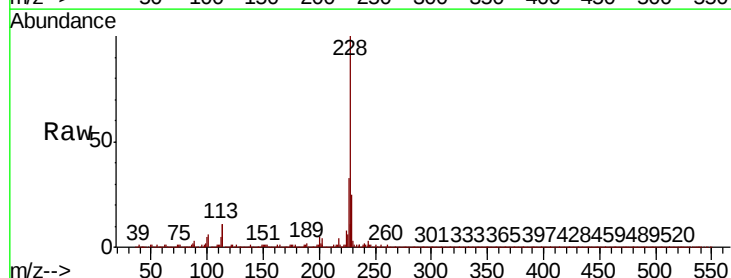
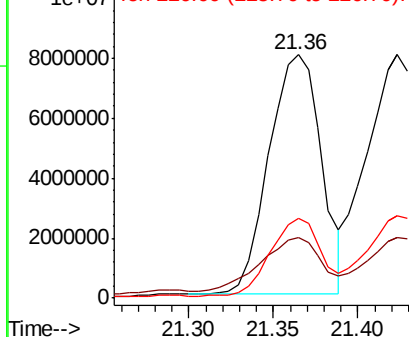
Ion Ratio Lower Upper

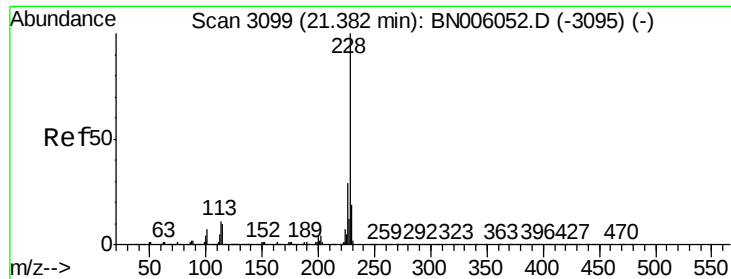
228 100

229 24.8 15.8 23.8#

226 32.9 21.6 32.4#

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: 288.119 ng/ul

RT: 21.42 min Scan# 3106

Delta R.T. 0.04 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

ClientSampled :

A42C9

Tot Ion:228 Resp:16202725

Ion Ratio Lower Upper

228 100

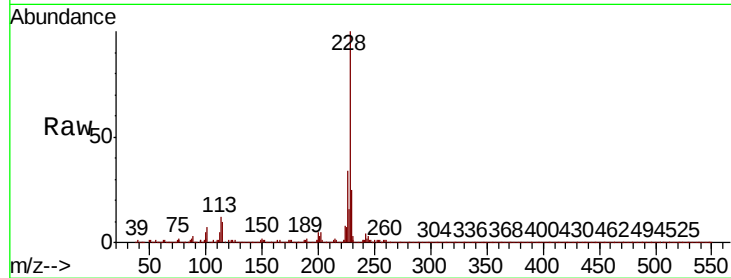
226 34.1 24.2 36.4

229 25.0 16.3 24.5#

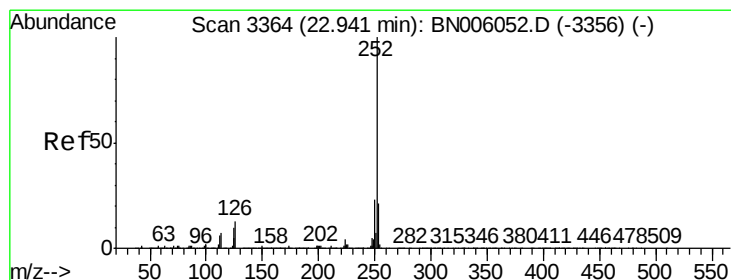
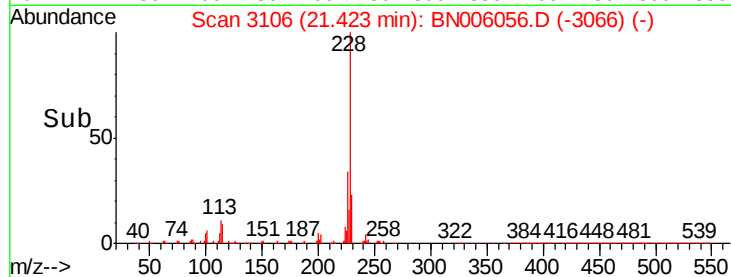
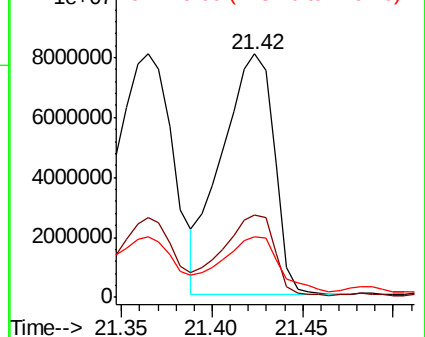
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 227.222 ng/ul

RT: 23.01 min Scan# 3376

Delta R.T. 0.06 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

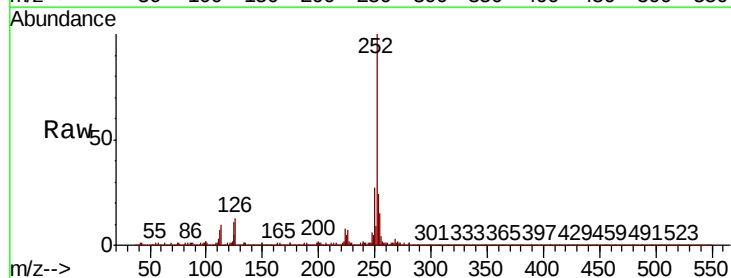
Tgt Ion:252 Resp:20061266

Ion Ratio Lower Upper

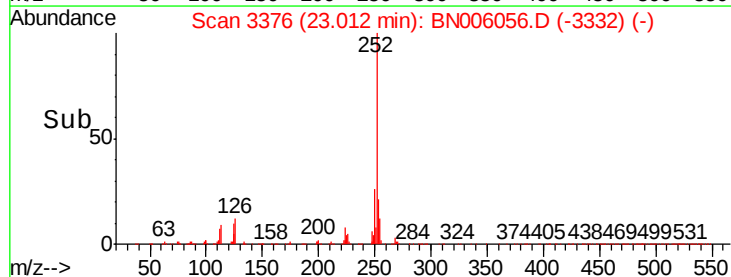
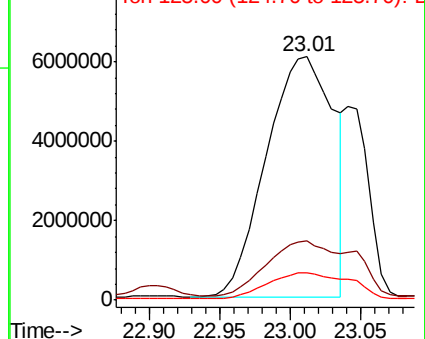
252 100

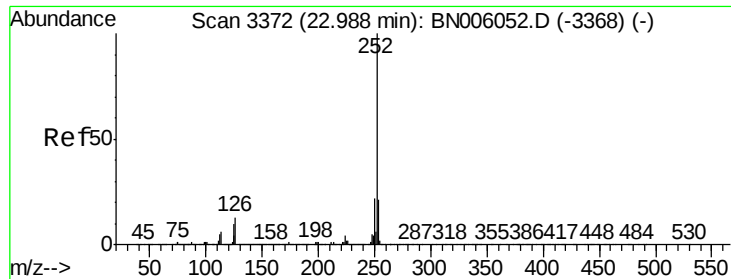
253 24.4 17.3 25.9

125 11.0 8.5 12.7



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





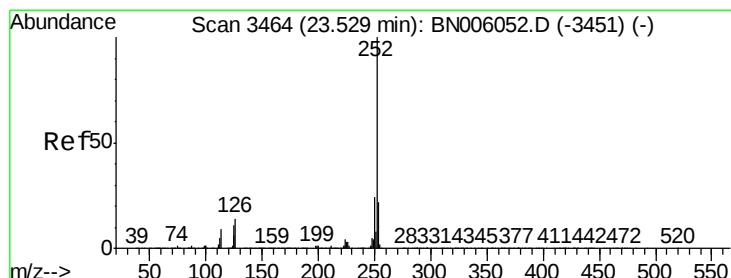
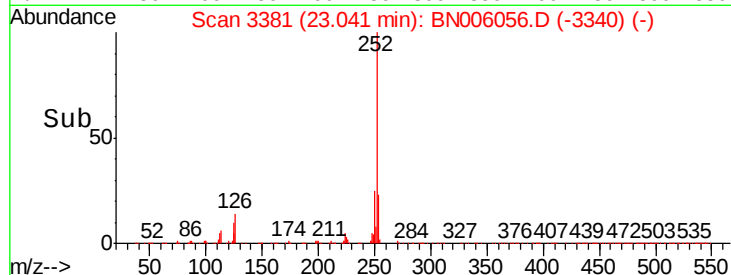
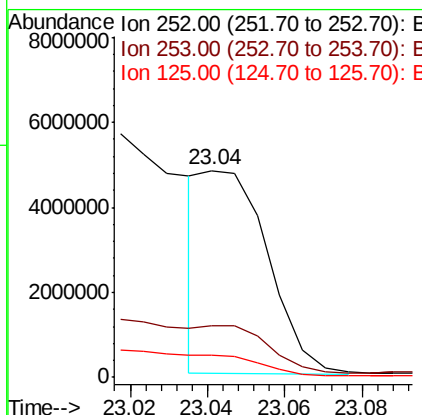
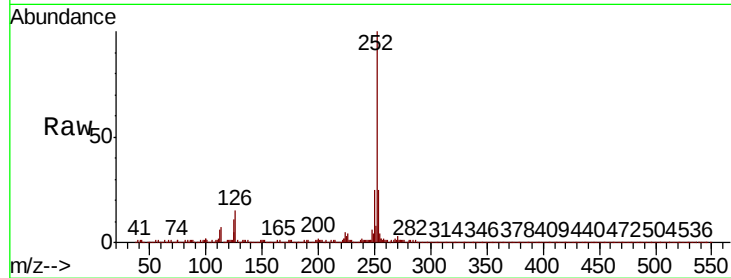
#88
Benzo(k)fluoranthene
Concen: 65.414 ng/ul m
RT: 23.04 min Scan# 3381
Delta R.T. 0.04 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Instrument :
BNA_N
ClientSampleId :
A42C9

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	10.7	8.2	12.4

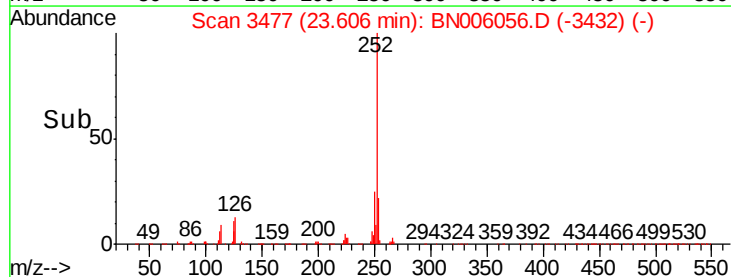
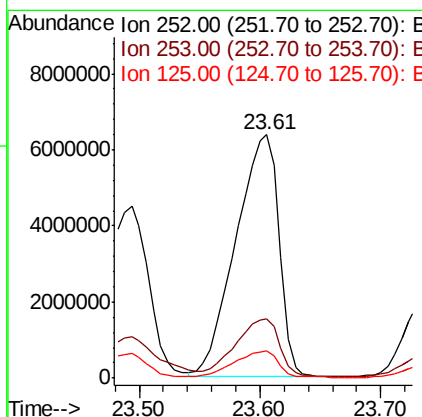
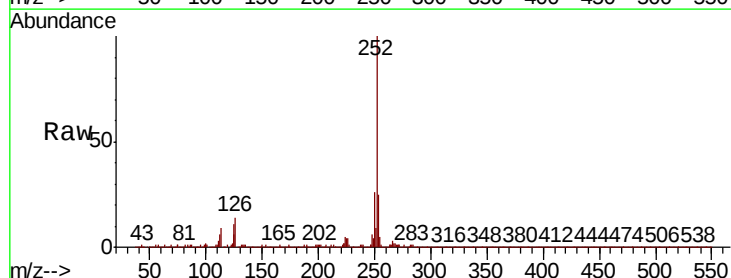
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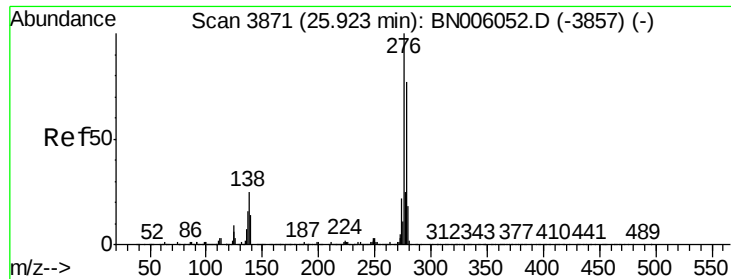
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#90
Benzo(a)pyrene
Concen: 187.598 ng/ul
RT: 23.61 min Scan# 3477
Delta R.T. 0.06 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	11.0	9.2	13.8





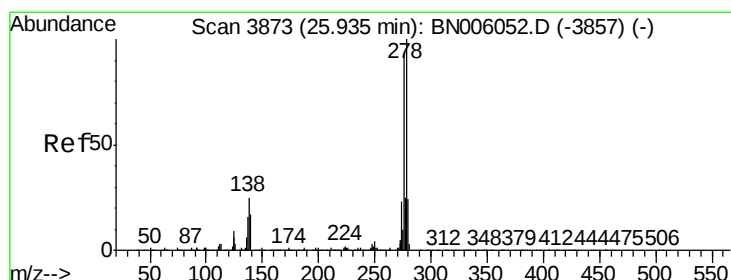
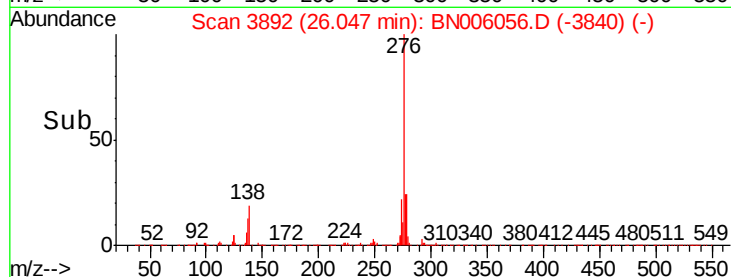
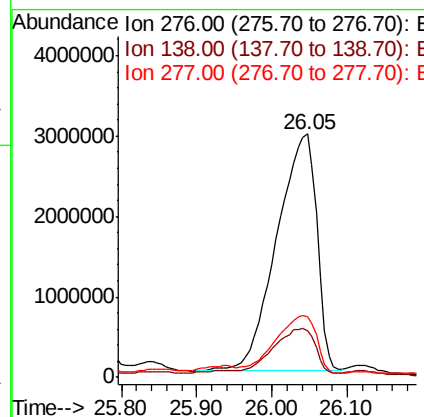
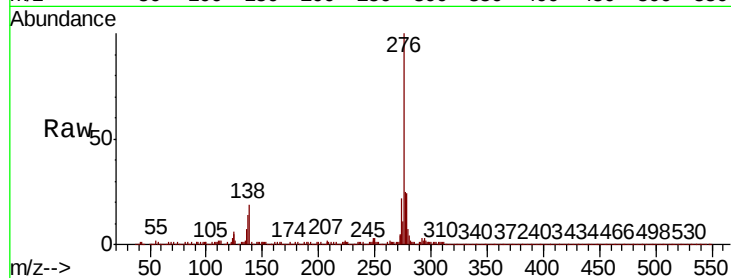
#91
Indeno(1,2,3-cd)pyrene
Concen: 113.155 ng/ul m
RT: 26.05 min Scan# 3892
Delta R.T. 0.11 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Instrument :
BNA_N
ClientSampleId :
A42C9

Tot Ion:276 Resp:10935600
Ion Ratio Lower Upper
276 100
138 19.2 21.4 32.2#
277 25.1 20.2 30.2

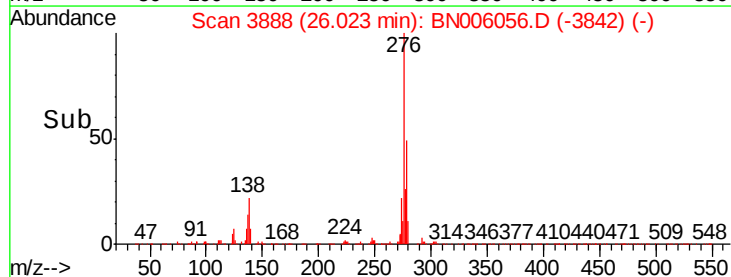
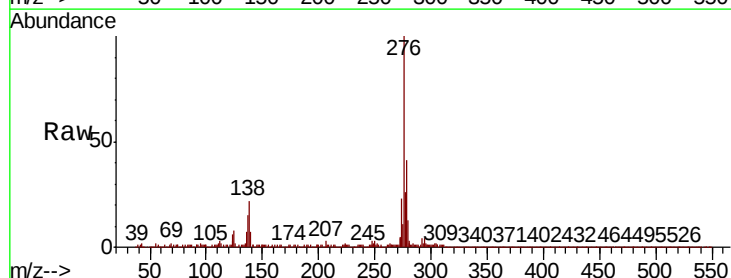
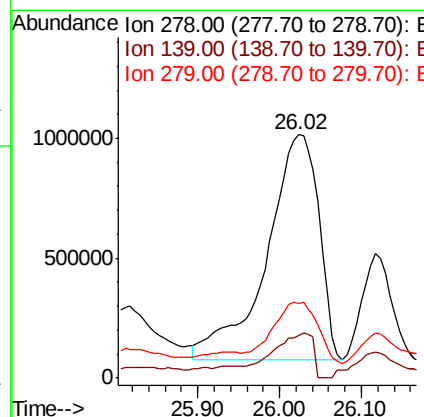
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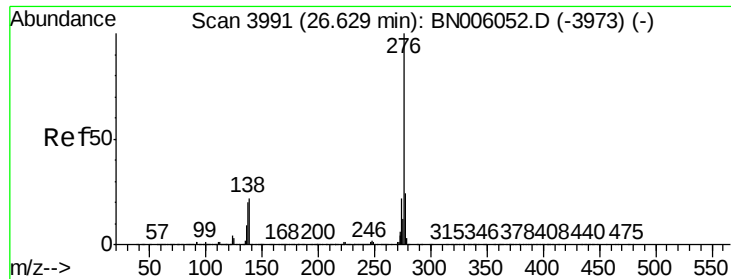
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#92
Dibenzo(a,h)anthracene
Concen: 51.373 ng/ul
RT: 26.02 min Scan# 3888
Delta R.T. 0.07 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:278 Resp: 4185854
Ion Ratio Lower Upper
278 100
139 17.6 14.2 21.2
279 30.6 19.4 29.0#





#93

Benzo(a,h,i)perylene

Concen: 120.938 ng/ul

RT: 26.76 min Scan# 4013

Delta R.T. 0.11 min

Lab File: BN006056.D

Acq: 04 Jun 2019 03:31

Instrument :

BNA_N

ClientSampleId :

A42C9

Tot Ion:276 Resp: 9620222

Ion Ratio Lower Upper

276 100

138 21.2 18.8 28.2

277 26.0 19.4 29.2

Manual Integrations
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