

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
 Data File : BN006022.D
 Acq On : 02 Jun 2019 08:59
 Operator : JU/SJ
 Sample : K2928-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C7

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:38:40 AM

Quant Time: Jun 03 03:37:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	544569	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.52	136	2282343	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.38	164	1223524	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	2194361	20.00	ng/ul	-0.02
77) Chrysene-d12	21.36	240	1326580	20.00	ng/ul	-0.02
85) Perylene-d12	23.65	264	1623075	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	45256	3.66	ng/uL	0.00
5) Phenol-d5	6.89	99	931455	19.30	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	578544	21.01	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	776283	21.11	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	680405	17.46	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	393208	26.84	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.60	143	437730	32.08	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	730900	22.69	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.65	131	470572	11.14	ng/ul	-0.02
43) Dimethylphthalate-d6	13.79	166	2189660	24.28	ng/ul	-0.01
46) Acenaphthylene-d8	14.08	160	2705075	23.97	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.59	143	250129	15.24	ng/ul	-0.02
57) Fluorene-d10	15.38	176	1761341	23.28	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.51	200	74651	8.35	ng/ul	-0.02
70) Anthracene-d10	17.24	188	2259992	24.20	ng/ul	-0.02
78) Pyrene-d10	19.55	212	1829899	27.31	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.51	264	1684162	23.25	ng/ul	-0.02

Target Compounds

					Ovalue	
6) Phenol	6.92	94	64580	1.299	ng/ul	97
28) Naphthalene	10.57	128	156275	1.443	ng/ul	98
44) Dimethylphthalate	13.84	163	827846	9.183	ng/ul	99
47) Acenaphthylene	14.11	152	555550	5.021	ng/ul	98
49) Acenaphthene	14.45	153	142224	1.892	ng/ul	99
53) Dibenzofuran	14.78	168	122521	1.155	ng/ul	95
58) Fluorene	15.44	166	190709	2.288	ng/ul#	97
69) Phenanthrene	17.18	178	4056121	37.307	ng/ul	99
71) Anthracene	17.27	178	1173228	10.629	ng/ul	99
74) Carbazole	17.54	167	237572	2.389	ng/ul#	92
76) Fluoranthene	19.22	202	9002823	77.567	ng/ul	96
79) Pyrene	19.58	202	9685511	115.258	ng/ul	96
82) Benzo(a)anthracene	21.34	228	5626184	67.467	ng/ul	94
83) Bis(2-ethylhexyl)phthalate	21.26	149	99938	1.826	ng/ul#	84
84) Chrysene	21.39	228	5610444	72.135	ng/ul	95
87) Benzo(b)fluoranthene	22.97	252	6339176	69.537	ng/ul	98
88) Benzo(k)fluoranthene	23.01	252	2079617m	24.811	ng/ul	
90) Benzo(a)pyrene	23.55	252	4815431	56.013	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.96	276	3245367	32.171	ng/ul	99
92) Dibenz(a,h)anthracene	25.96	278	985777	11.737	ng/ul#	92
93) Benzo(a,h,i)perylene	26.67	276	2427027	28.566	ng/ul	97

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

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

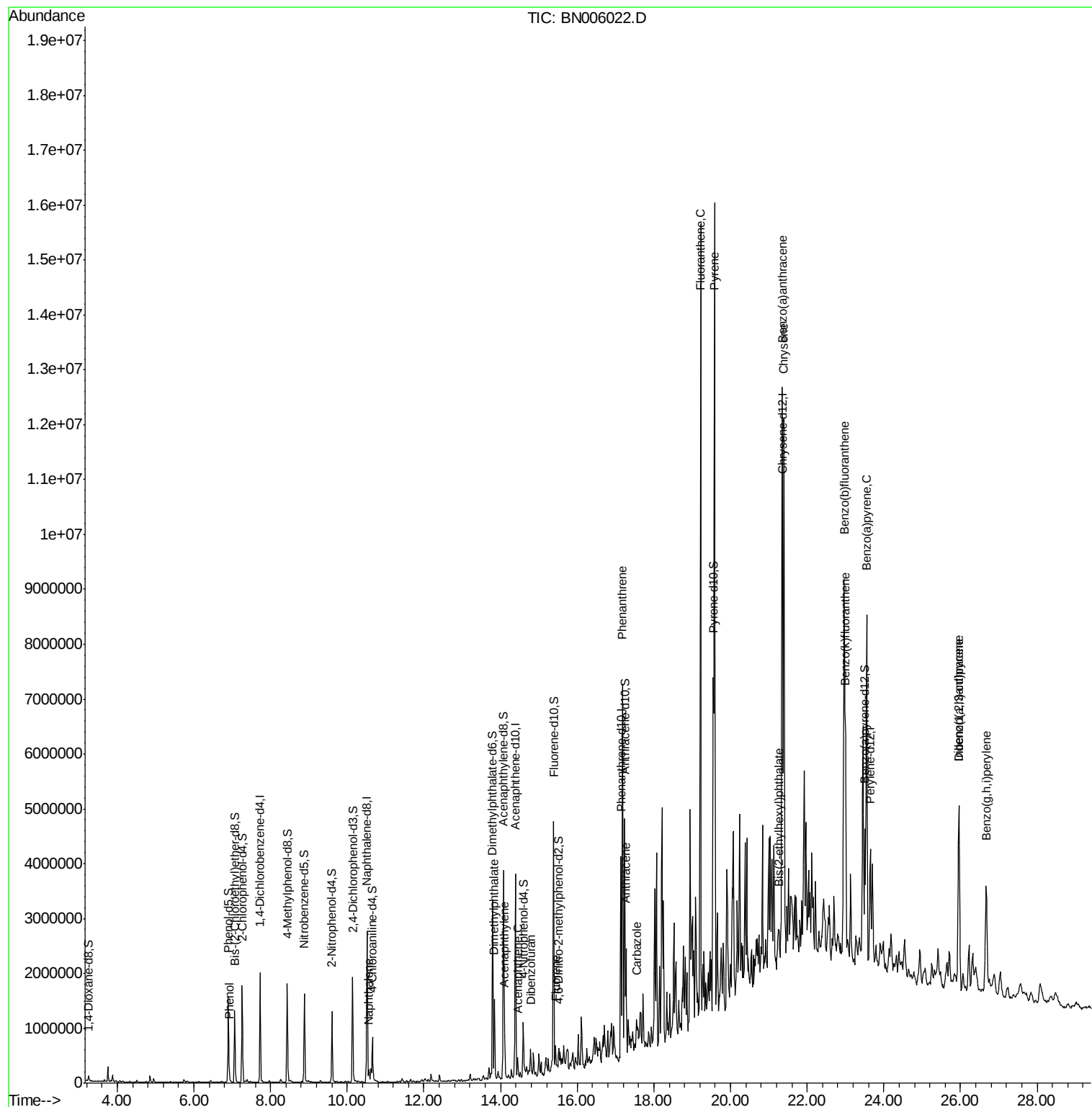
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060119\
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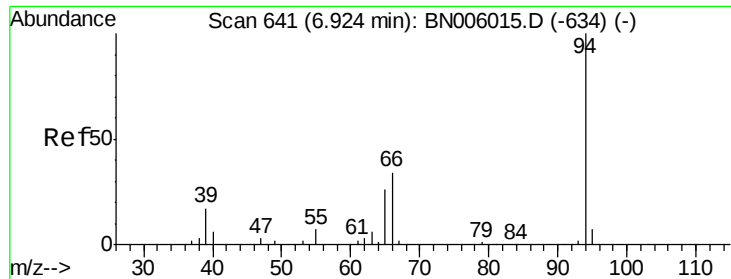
Instrument :
BNA_N
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A42C7

Manual Integrations
APPROVED

Sohil
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#6

Phenol

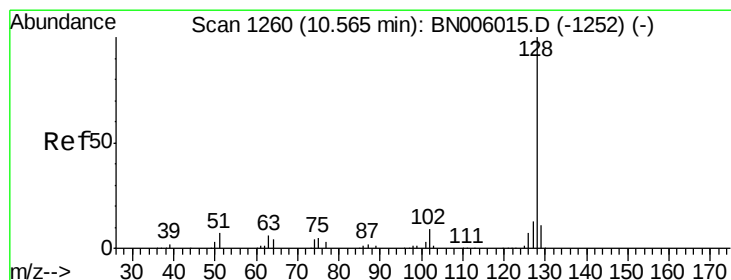
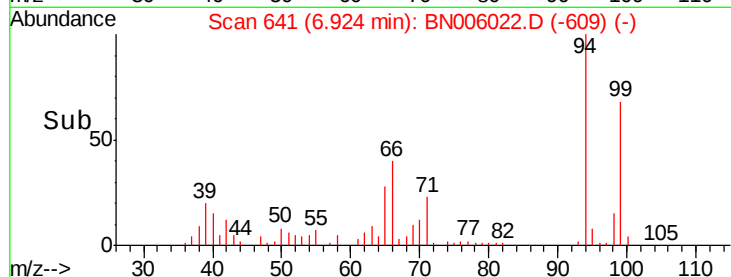
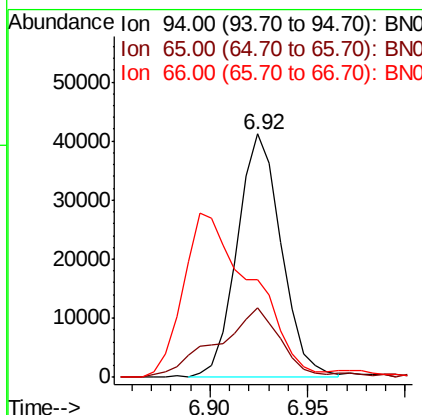
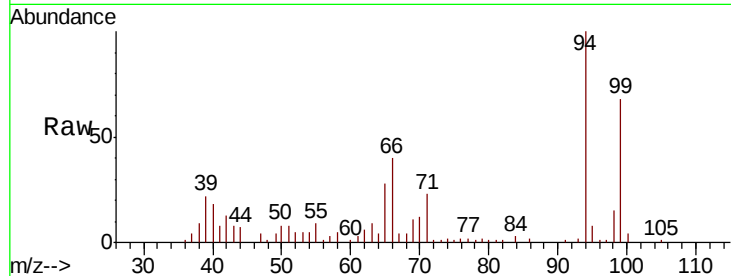
Concen: 1.299 ng/ul
 RT: 6.92 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BN006022.D
 Acq: 02 Jun 2019 08:59

Instrument :
 BNA_N
 ClientSampled :
 A42C7

Tot Ion	Ratio	Lower	Upper
94	100		
65	28.5	24.2	36.4
66	40.0	33.8	50.6

Manual Integrations
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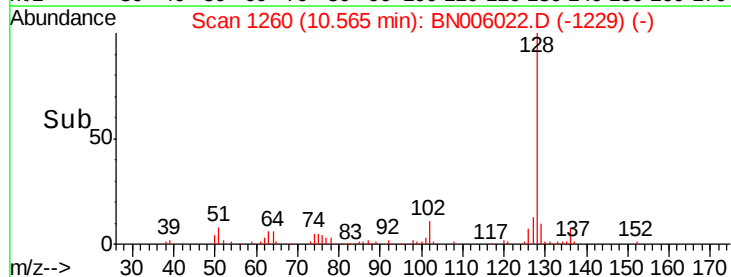
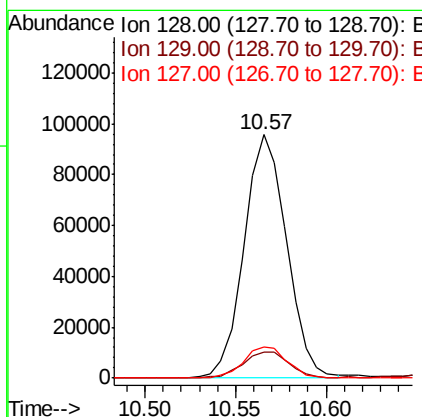
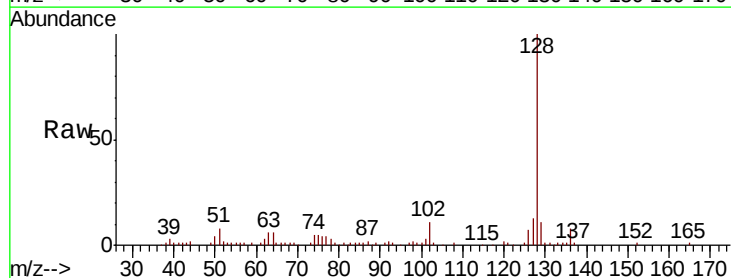


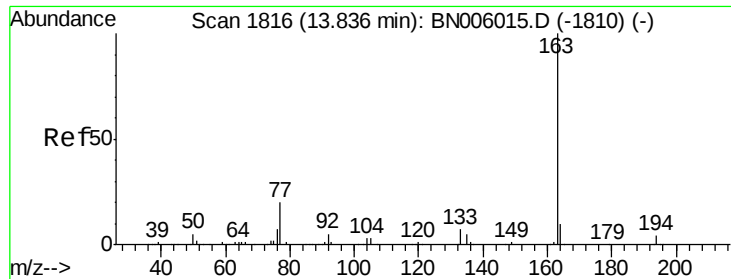
#28

Naphthalene

Concen: 1.443 ng/ul
 RT: 10.57 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BN006022.D
 Acq: 02 Jun 2019 08:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	12.7	10.7	16.1





#44

Dimethylphthalate

Concen: 9.183 ng/ul

RT: 13.84 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

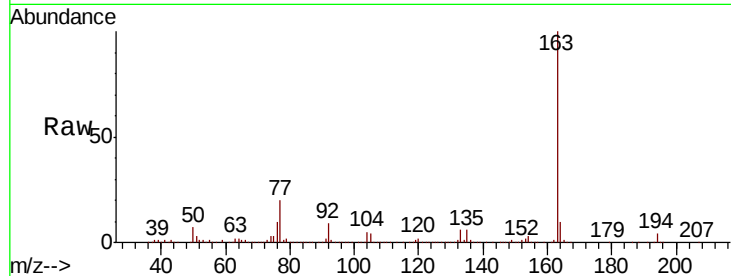
ClientSampleId :

A42C7

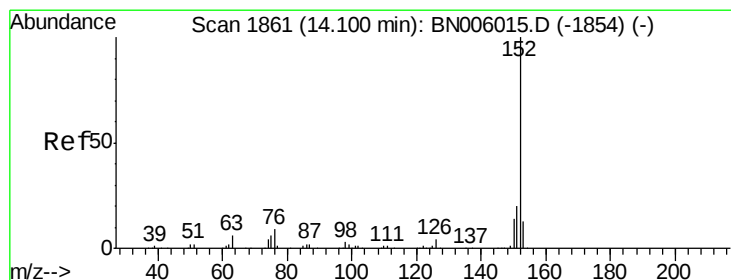
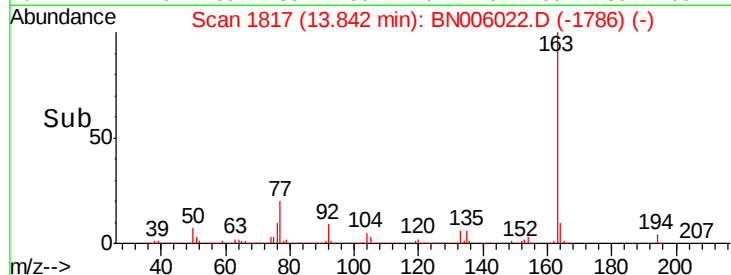
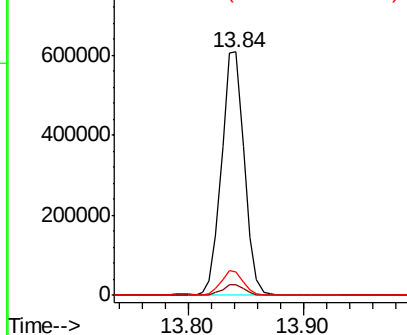
Tot Ion:	163	Resp:	827846
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	9.8	8.1	12.1

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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: 5.021 ng/ul

RT: 14.11 min Scan# 1862

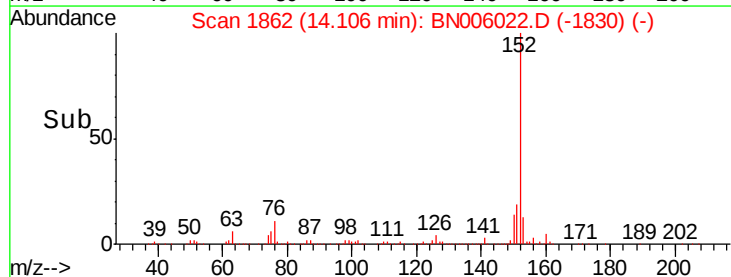
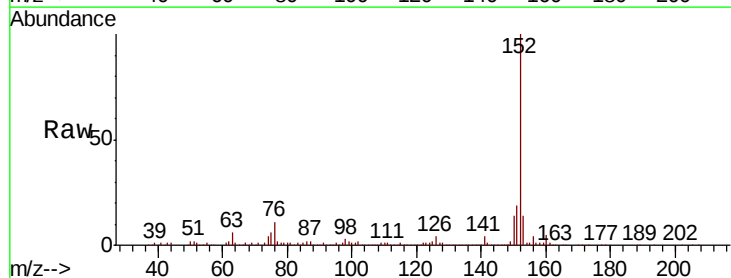
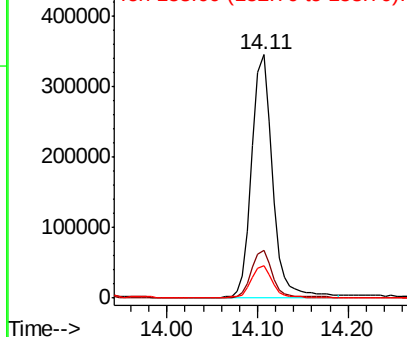
Delta R.T. -0.01 min

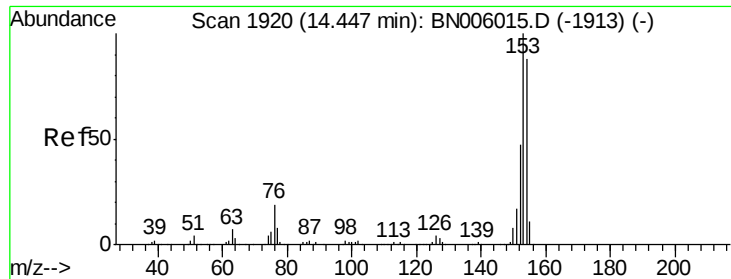
Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Tgt Ion:	152	Resp:	555550
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.8	23.8
153	13.5	9.8	14.8

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: 1.892 ng/ul

RT: 14.45 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

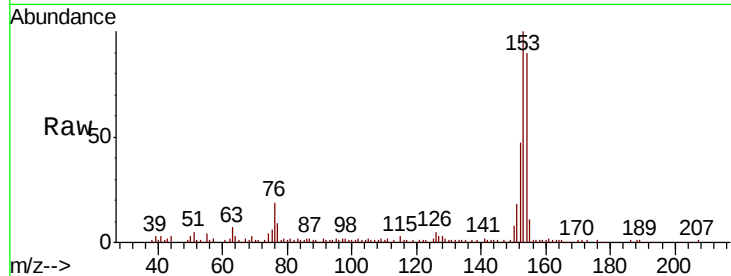
ClientSampled :

A42C7

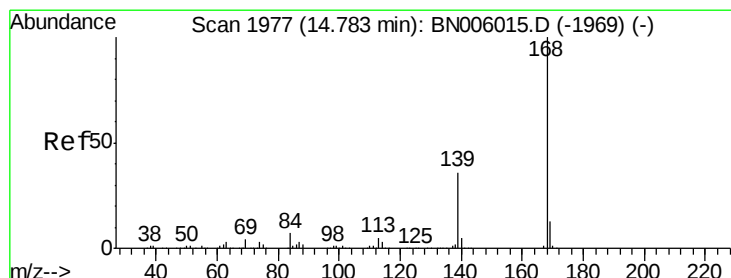
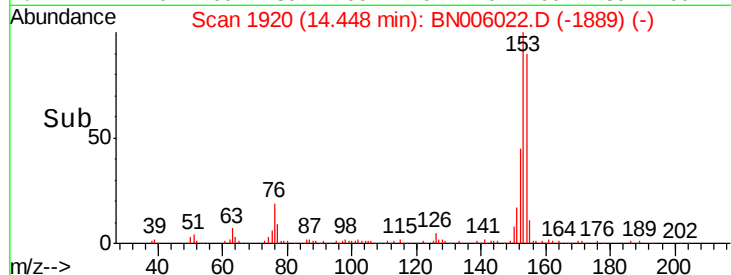
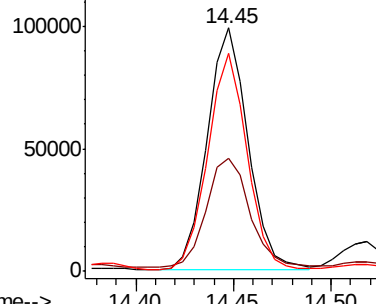
Tot Ion:	153	Resp:	142224
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.4	56.0
154	89.7	71.2	106.8

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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: 1.155 ng/ul

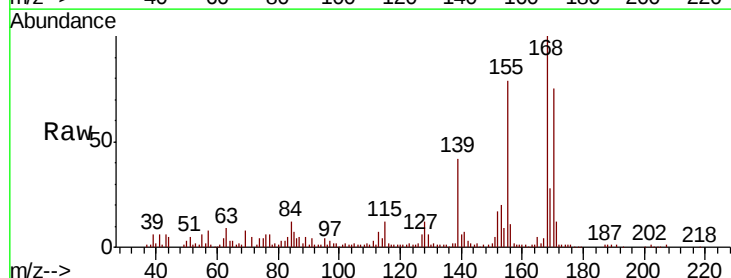
RT: 14.78 min Scan# 1977

Delta R.T. -0.02 min

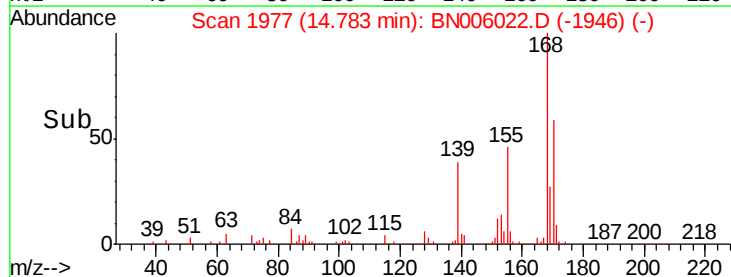
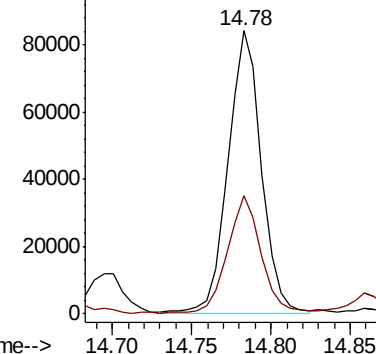
Lab File: BN006022.D

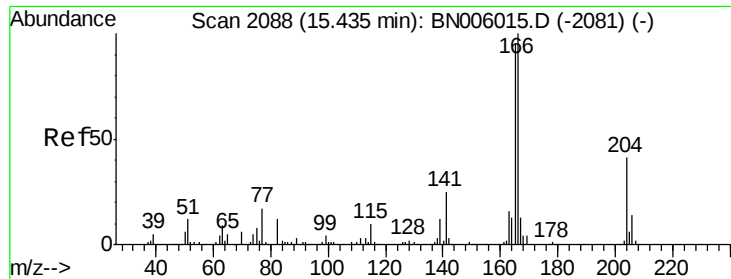
Acq: 02 Jun 2019 08:59

Tgt Ion:	168	Resp:	122521
Ion Ratio	Lower	Upper	
168	100		
139	41.6	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: 2.288 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

ClientSampleId :

A42C7

Tot Ion:166 Resp: 190709

Ion Ratio Lower Upper

166 100

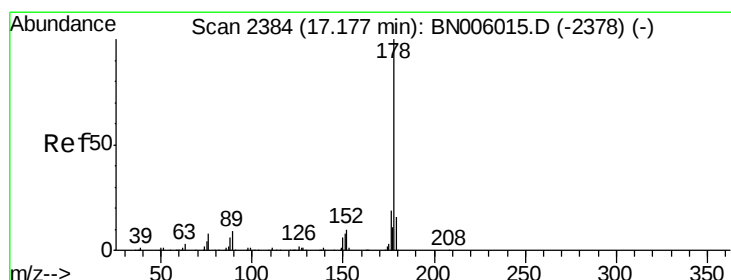
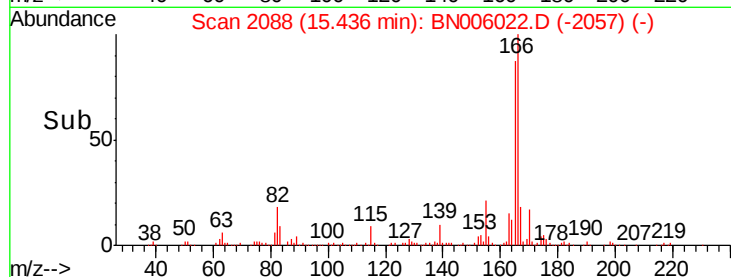
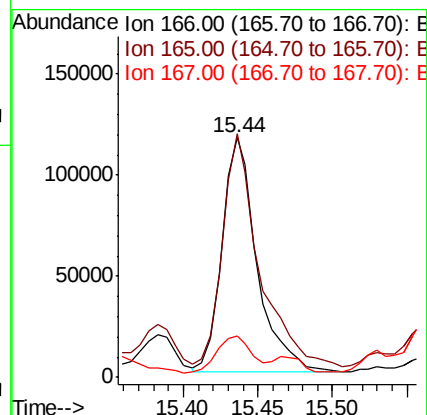
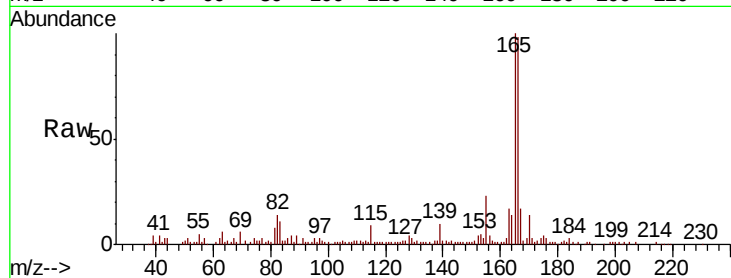
165 101.6 80.0 120.0

167 17.5 10.7 16.1#

Manual Integrations
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#69

Phenanthrene

Concen: 37.307 ng/ul

RT: 17.18 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

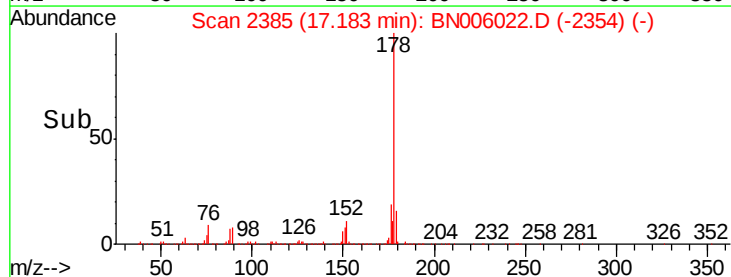
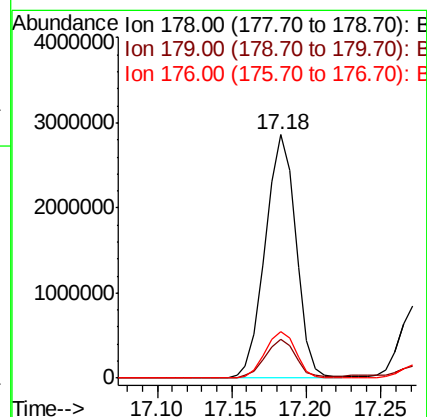
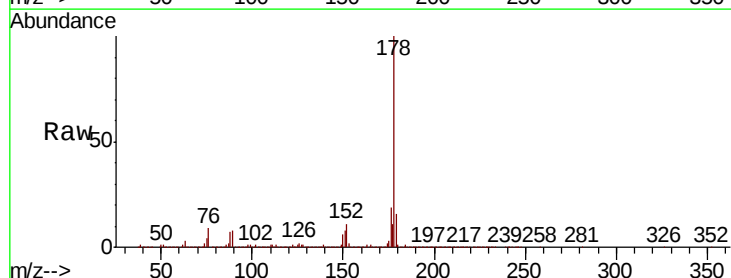
Tgt Ion:178 Resp: 4056121

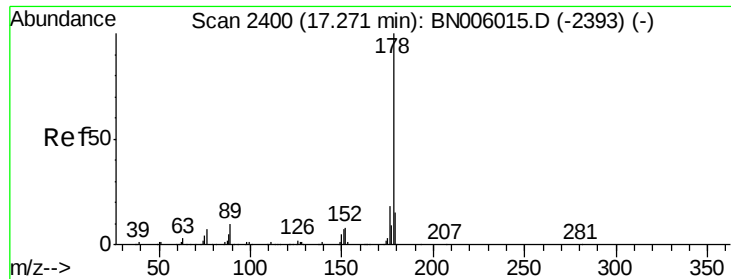
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

176 19.3 15.1 22.7





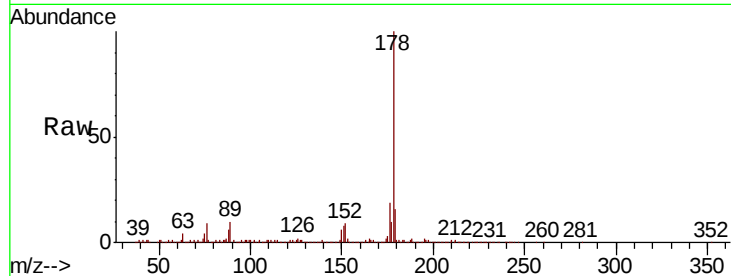
#71
 Anthracene
 Concen: 10.629 ng/ul
 RT: 17.27 min Scan# 2400
 Delta R.T. -0.02 min
 Lab File: BN006022.D
 Acq: 02 Jun 2019 08:59

Instrument :
 BNA_N
 ClientSampleId :
 A42C7

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.0	15.1	22.7

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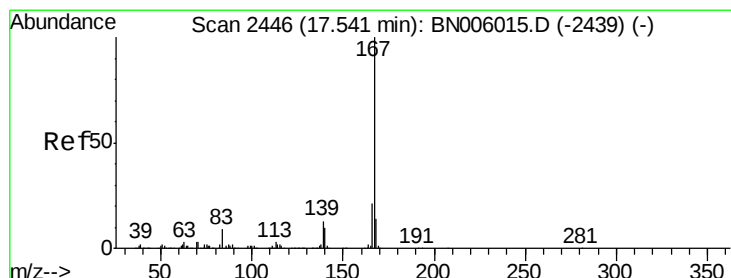
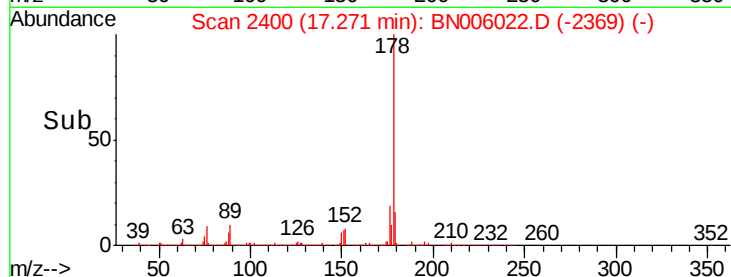
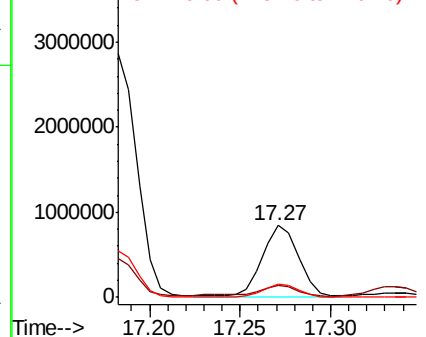


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Carbazole
 Concen: 2.389 ng/ul
 RT: 17.54 min Scan# 2446
 Delta R.T. -0.02 min
 Lab File: BN006022.D
 Acq: 02 Jun 2019 08:59

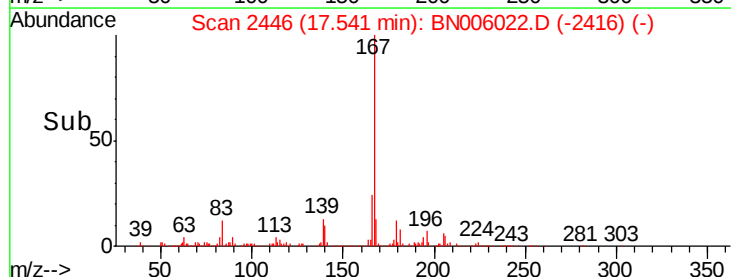
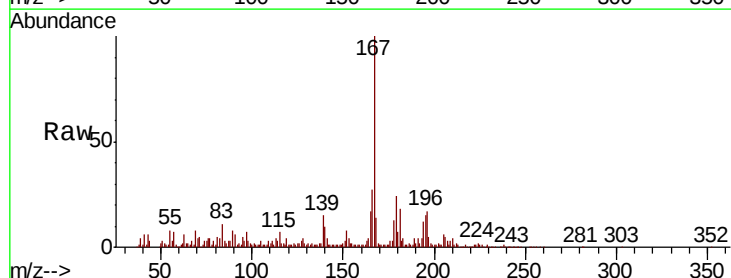
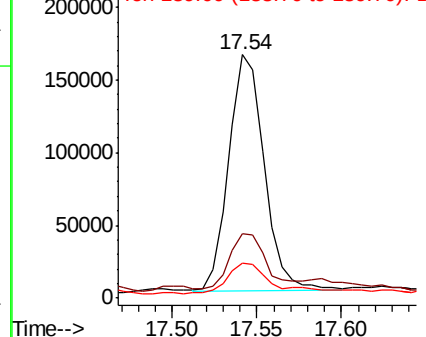
Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.6	17.2	25.8#
139	14.5	10.6	16.0

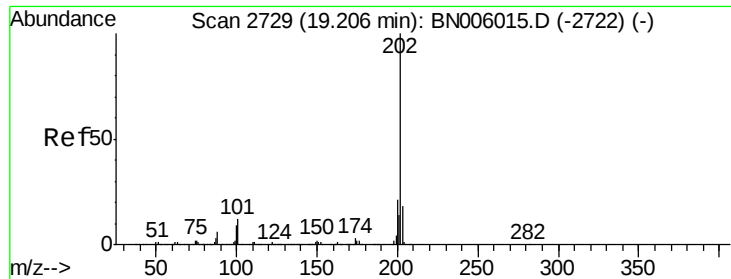
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





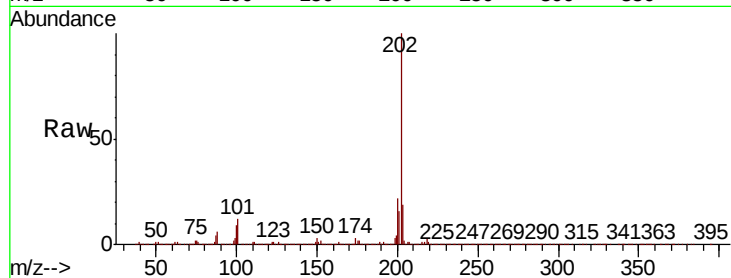
#76
Fluoranthene
Concen: 77.567 ng/ul
RT: 19.22 min Scan# 2731
Delta R.T. -0.01 min
Lab File: BN006022.D
Acq: 02 Jun 2019 08:59

Instrument :
BNA_N
ClientSampleId :
A42C7

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	8.6	12.8
100	9.0	6.3	9.5

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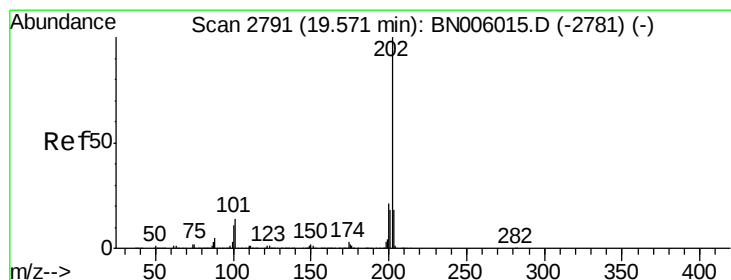
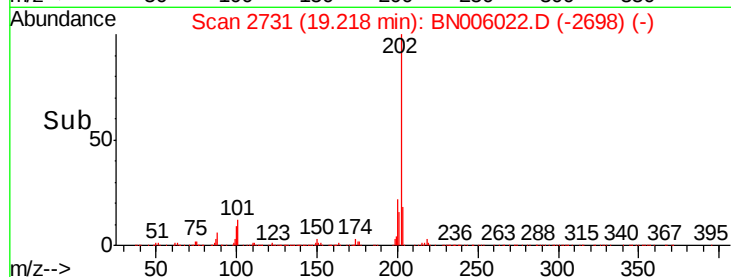
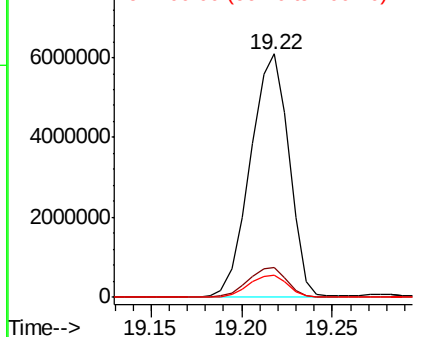


Abundance

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: 115.258 ng/ul
RT: 19.58 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BN006022.D
Acq: 02 Jun 2019 08:59

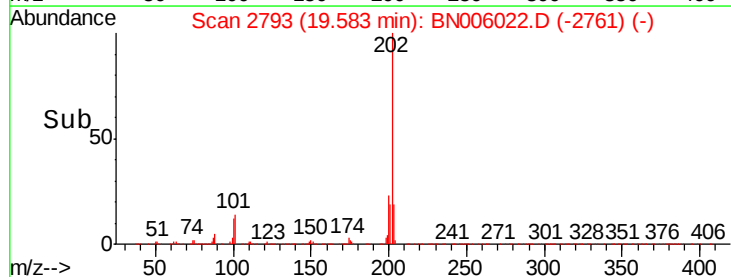
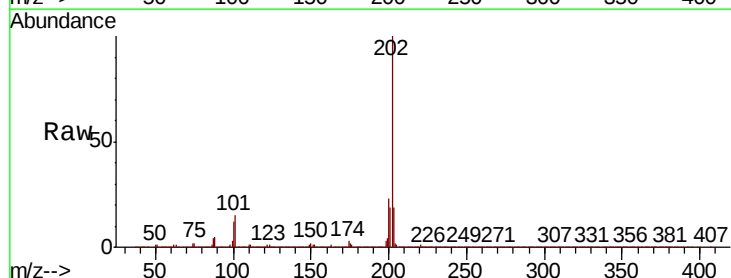
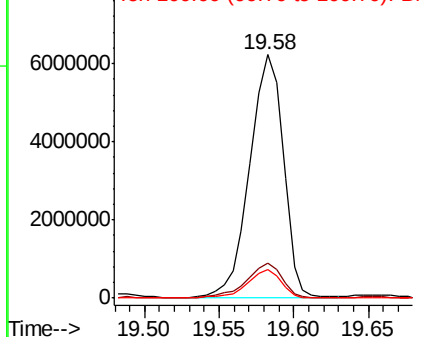
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	10.3	15.5
100	11.6	7.9	11.9

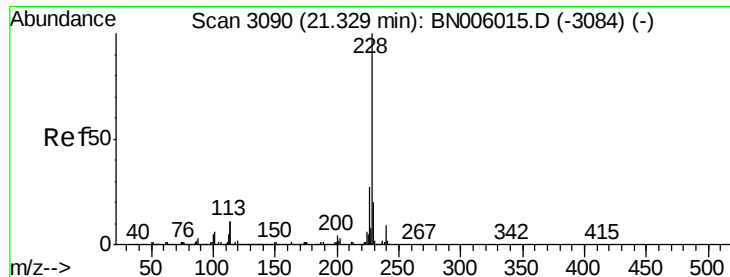
Abundance

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: 67.467 ng/ul

RT: 21.34 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

ClientSampled :

A42C7

Tot Ion:228 Resp: 5626184

Ion Ratio Lower Upper

228 100

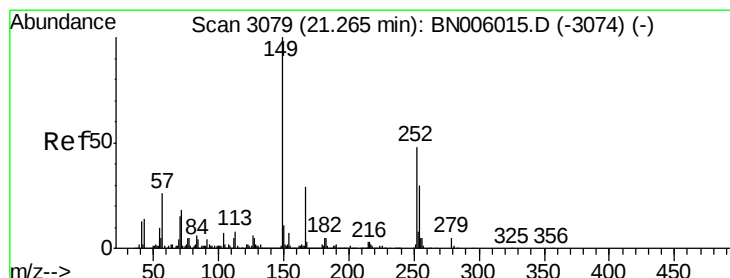
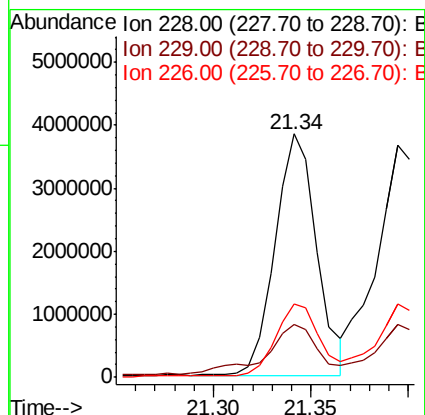
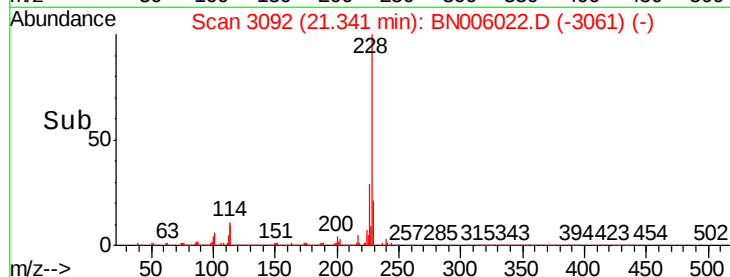
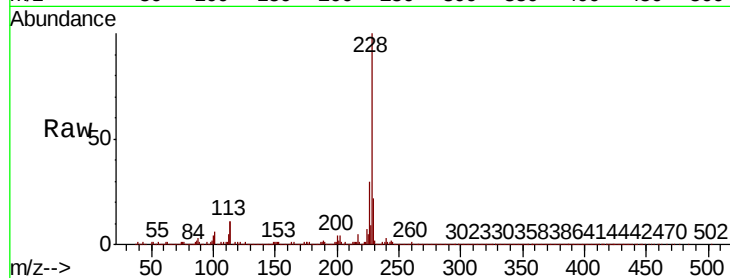
229 21.8 15.8 23.6

226 30.0 21.4 32.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 1.826 ng/ul

RT: 21.26 min Scan# 3079

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

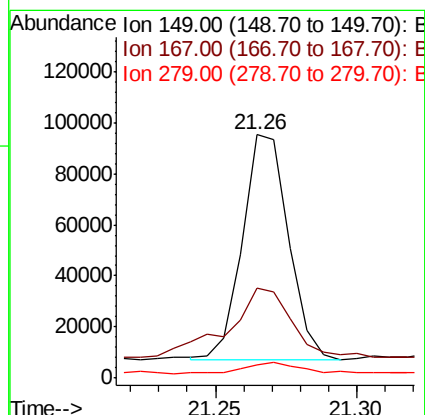
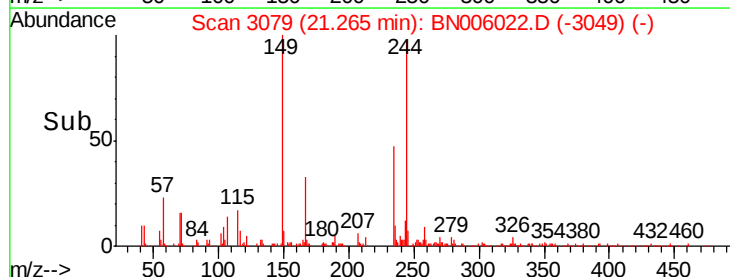
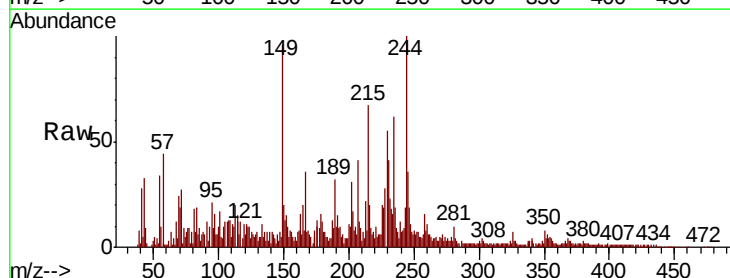
Tgt Ion:149 Resp: 99938

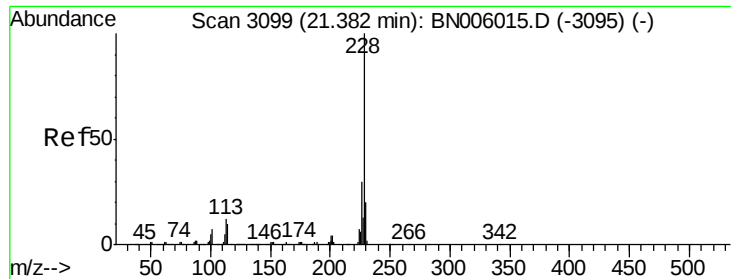
Ion Ratio Lower Upper

149 100

167 36.9 22.3 33.5#

279 5.5 3.3 4.9#





#84

Chrysene

Concen: 72.135 ng/ul

RT: 21.39 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

ClientSampled :

A42C7

Tot Ion:228 Resp: 5610444

Ion Ratio Lower Upper

228 100

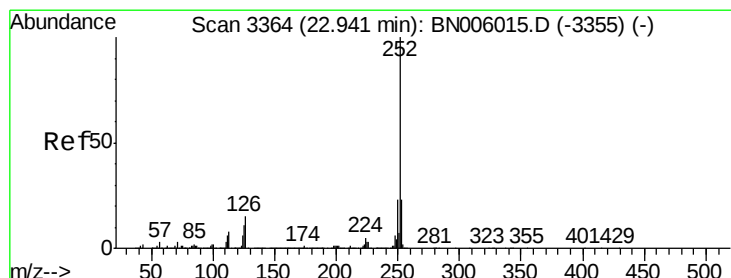
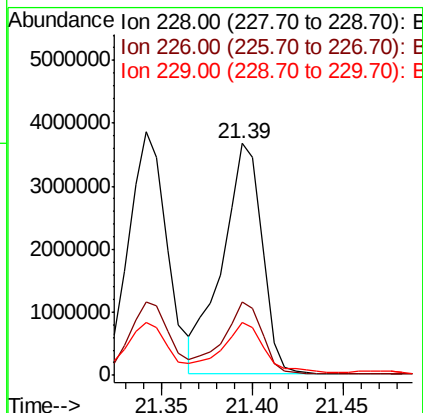
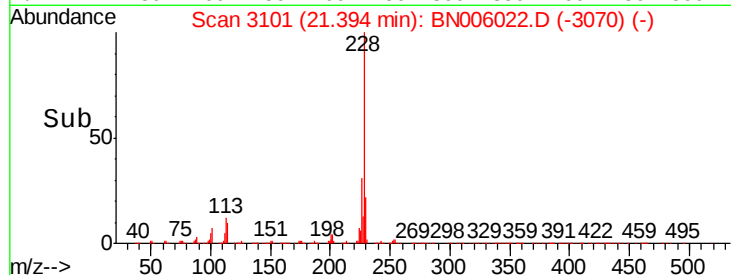
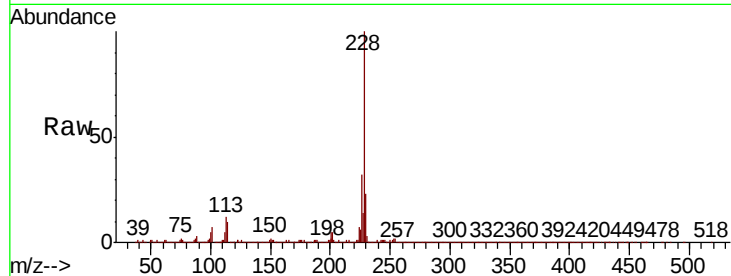
226 31.5 24.0 36.0

229 22.9 15.4 23.0

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#87

Benzo(b)fluoranthene

Concen: 69.537 ng/ul

RT: 22.97 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

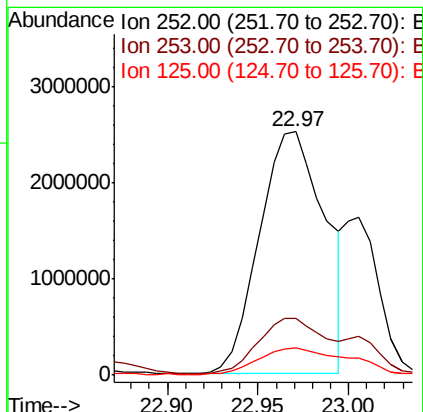
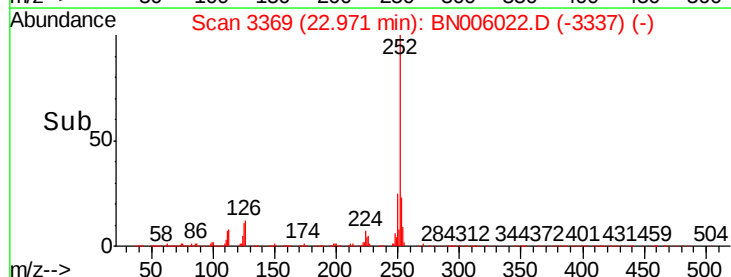
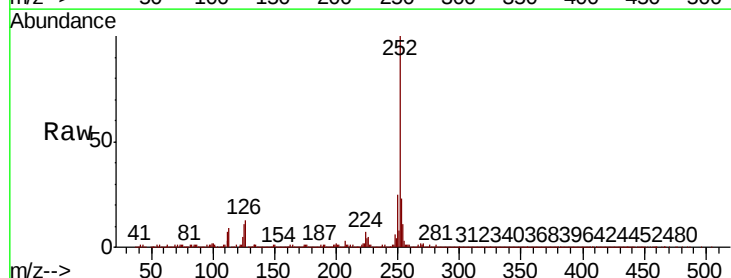
Tgt Ion:252 Resp: 6339176

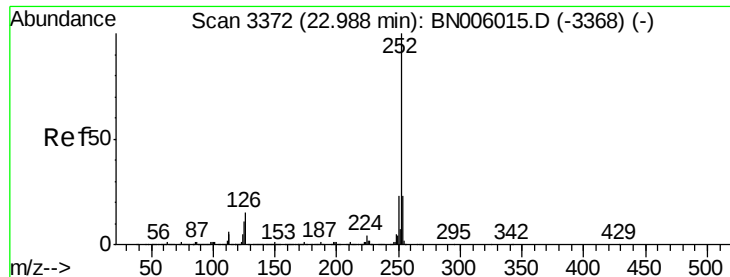
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 11.2 8.4 12.6





#88

Benzo(k)fluoranthene

Concen: 24.811 ng/ul m

RT: 23.01 min Scan# 3375

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

ClientSampleId :

A42C7

Tot Ion:252 Resp: 2079617

Ion Ratio Lower Upper

252 100

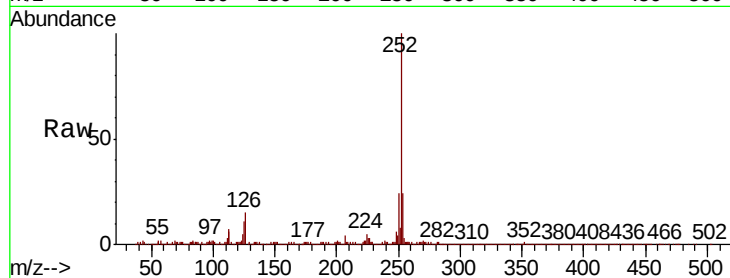
253 24.5 17.4 26.0

125 10.9 7.5 11.3

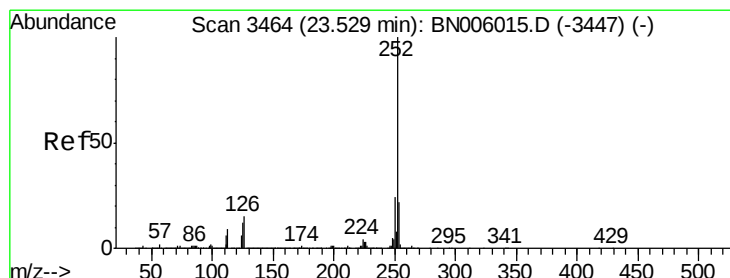
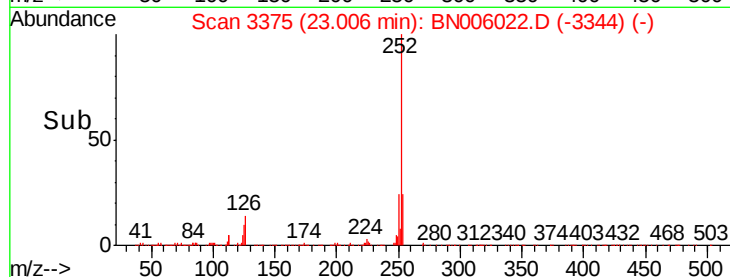
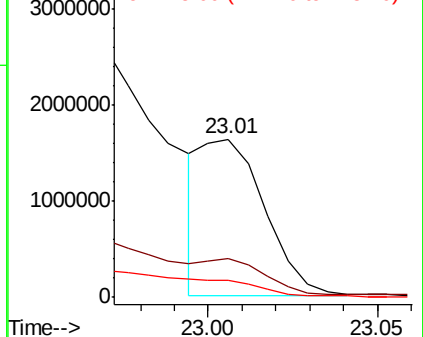
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 56.013 ng/ul

RT: 23.55 min Scan# 3468

Delta R.T. -0.02 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

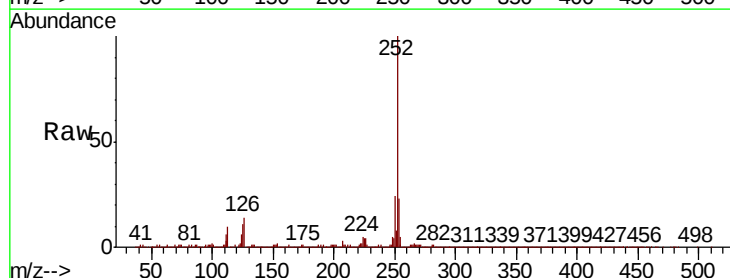
Tgt Ion:252 Resp: 4815431

Ion Ratio Lower Upper

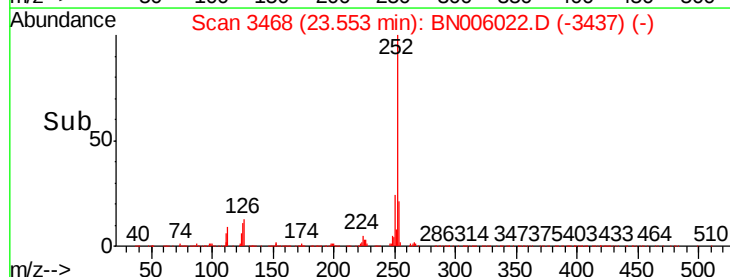
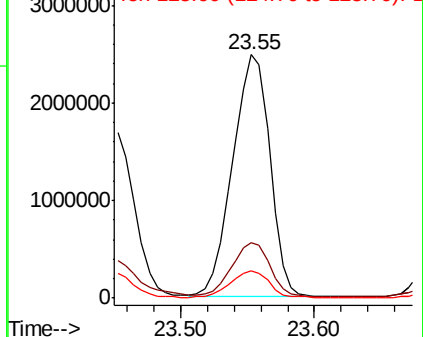
252 100

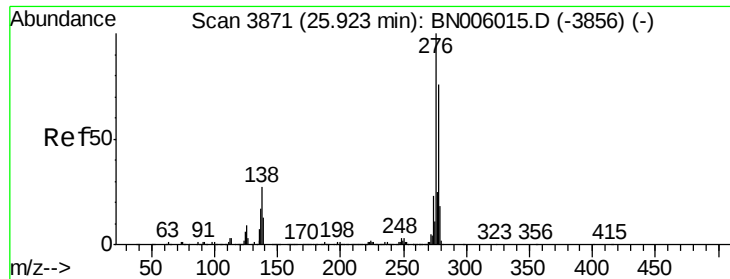
253 23.0 17.3 25.9

125 11.3 8.6 13.0



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

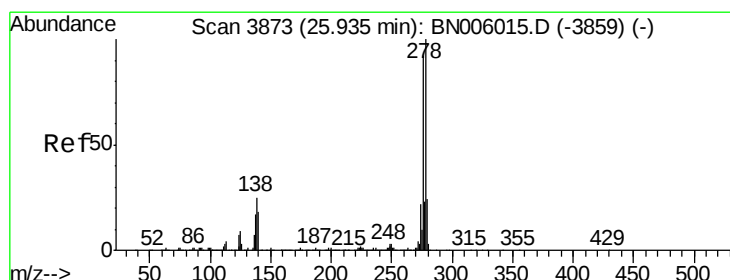
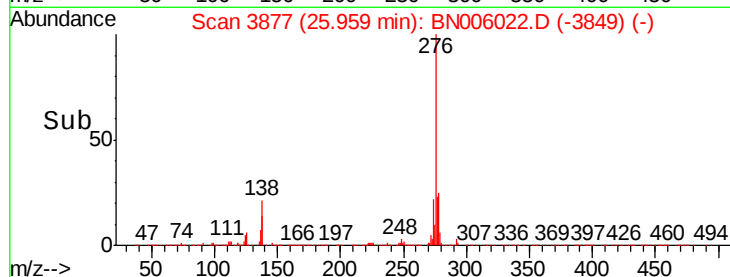
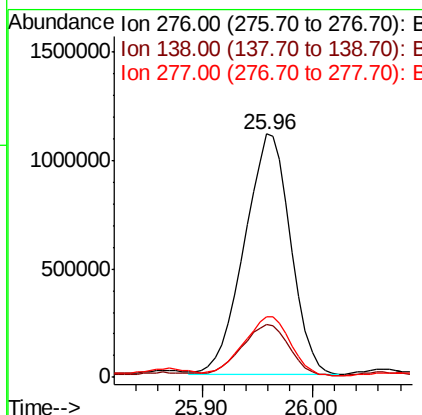
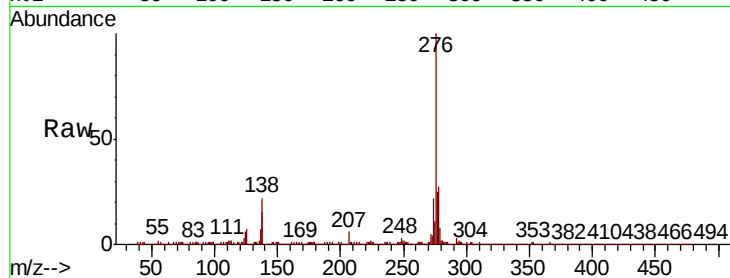
Indeno(1,2,3-cd)pyrene
Concen: 32.171 ng/ul
RT: 25.96 min Scan# 3877
Delta R.T. -0.04 min
Lab File: BN006022.D
Acq: 02 Jun 2019 08:59

Instrument :
BNA_N
ClientSampleId :
A42C7

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.9	26.9
277	24.7	19.7	29.5

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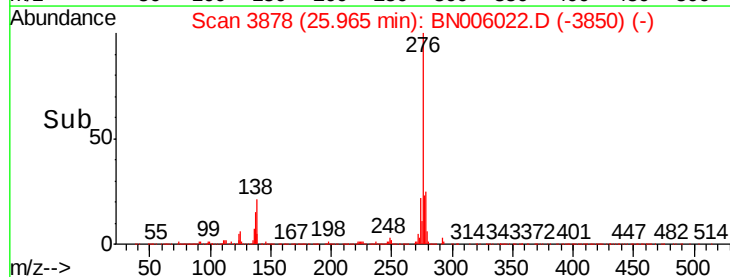
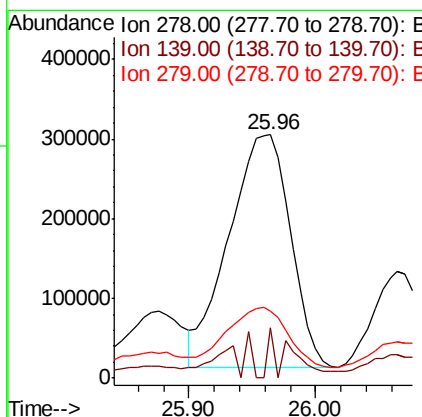
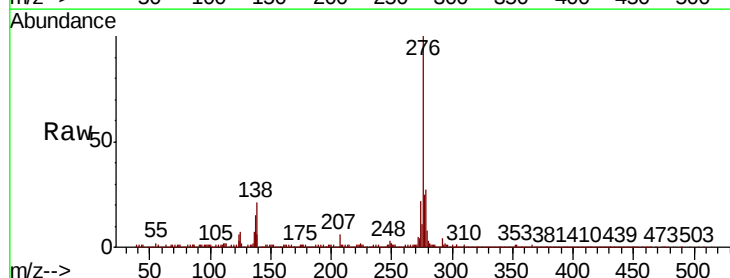
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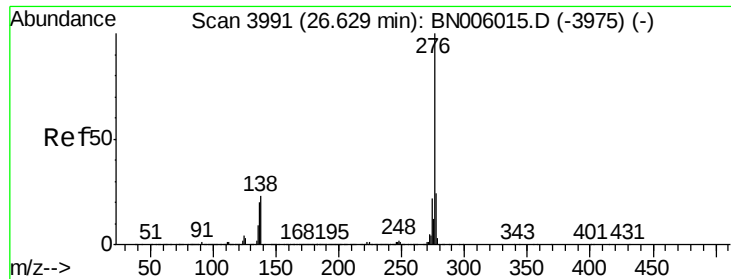


#92

Dibenzo(a,h)anthracene
Concen: 11.737 ng/ul
RT: 25.96 min Scan# 3878
Delta R.T. -0.04 min
Lab File: BN006022.D
Acq: 02 Jun 2019 08:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.1	19.7#
279	27.4	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 28.566 ng/ul

RT: 26.67 min Scan# 3998

Delta R.T. -0.03 min

Lab File: BN006022.D

Acq: 02 Jun 2019 08:59

Instrument :

BNA_N

ClientSampleId :

A42C7

Tot Ion: 276 Resp: 2427027

Ion Ratio Lower Upper

276 100

138 22.2 16.7 25.1

277 24.2 18.2 27.2

Manual Integrations

APPROVED

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6/4/2019 8:38:40 AM

