

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\
 Data File : BN006453.D
 Acq On : 21 Jun 2019 06:21
 Operator : JU/SJ
 Sample : K3360-19
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4201

Manual Integrations
 APPROVED

mohammad
 6/21/2019 10:00:19 PM

Quant Time: Jun 21 07:57:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 06:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	281662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1317022	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	780776	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1724086	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	1506047	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	1522962	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	45115	6.26	ng/uL	0.00
5) Phenol-d5	6.80	99	920473	30.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	628636	33.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	724472	32.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	707510	29.74	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	372935	35.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	418381	36.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	701010	31.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	893740	35.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	2308907	33.74	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	2850298	33.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	286385	24.50	ng/ul	0.00
57) Fluorene-d10	15.28	176	2013991	34.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	239276	21.93	ng/ul	0.00
70) Anthracene-d10	17.14	188	2976766	34.29	ng/ul	0.00
78) Pyrene-d10	19.45	212	3232128	36.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	3053790	35.50	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.83	94	66835	2.311 ng/ul	94
28) Naphthalene	10.45	128	70105	1.011 ng/ul	99
44) Dimethylphthalate	13.74	163	374075	5.930 ng/ul	100
49) Acenaphthene	14.35	153	424132	8.007 ng/ul	99
53) Dibenzofuran	14.68	168	372465	5.075 ng/ul	99
58) Fluorene	15.33	166	590761	9.957 ng/ul	100
69) Phenanthrene	17.09	178	6835620	71.883 ng/ul	98
71) Anthracene	17.17	178	1510306	15.646 ng/ul	99
74) Carbazole	17.45	167	559521	6.716 ng/ul	100
76) Fluoranthene	19.12	202	8400575	81.969 ng/ul	98
79) Pyrene	19.48	202	6713914	65.477 ng/ul	97
82) Benzo(a)anthracene	21.25	228	3468256	33.692 ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.17	149	147576	2.238 ng/ul	99
84) Chrysene	21.30	228	3637997	37.134 ng/ul	98
87) Benzo(b)fluoranthene	22.83	252	3945538	43.167 ng/ul	98
88) Benzo(k)fluoranthene	22.86	252	1074561m	12.301 ng/ul	
90) Benzo(a)pyrene	23.40	252	2400330	27.387 ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.72	276	1300508	12.538 ng/ul	96
92) Dibenzo(a,h)anthracene	25.72	278	354255m	4.124 ng/ul	
93) Benzo(g,h,i)perylene	26.40	276	1006861	11.526 ng/ul	99

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

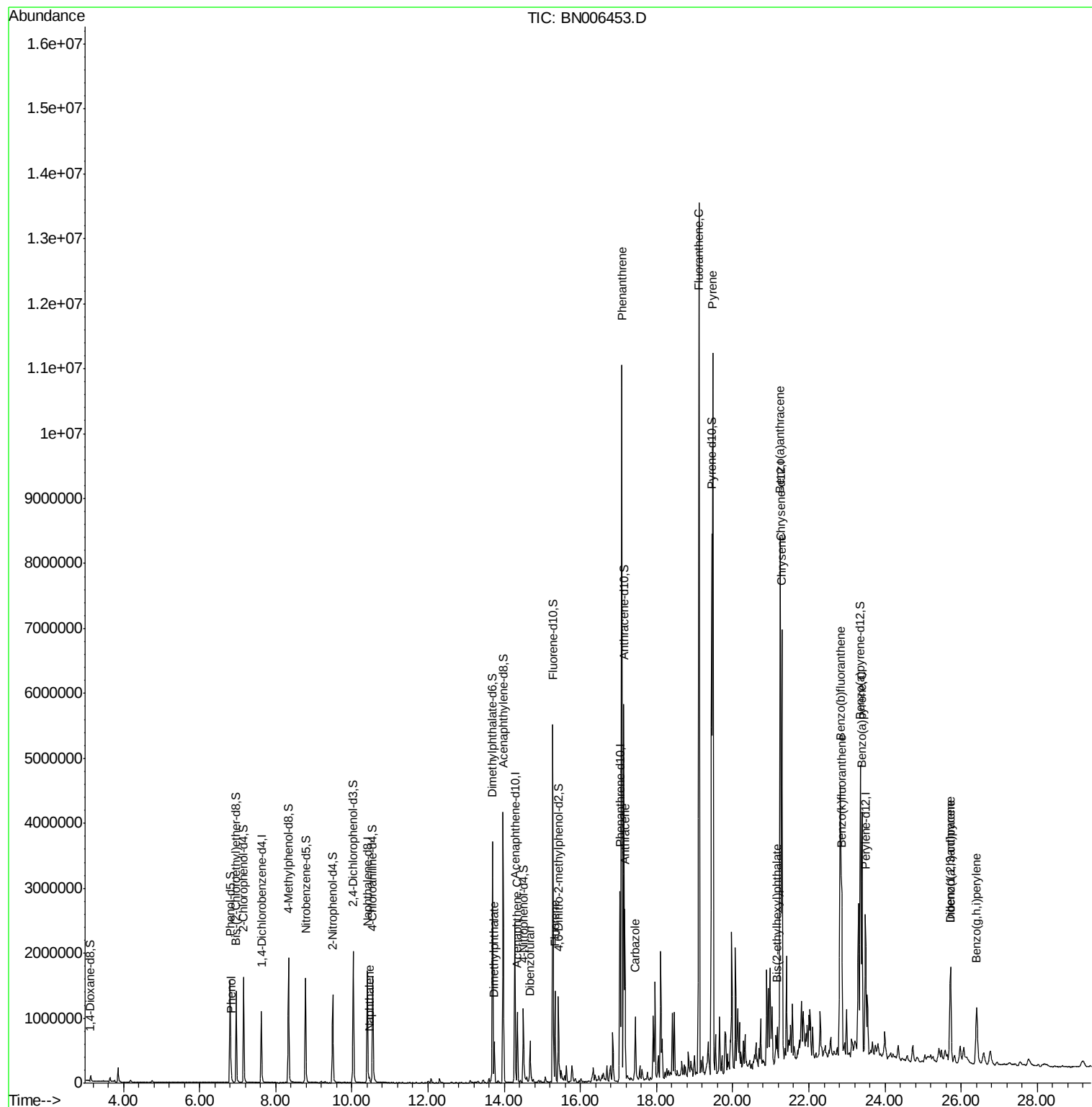
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\
Data File : BN006453.D
Acq On : 21 Jun 2019 06:21
Operator : JU/SJ
Sample : K3360-19
Misc :
ALS Vial : 58 Sample Multiplier: 1

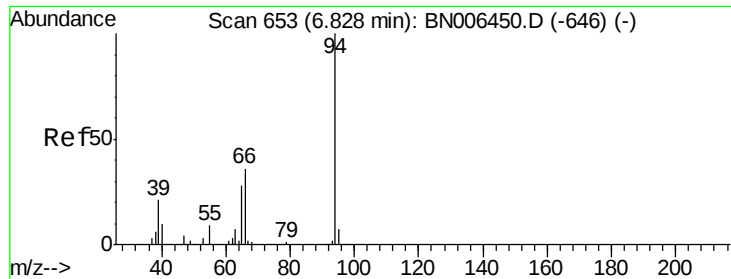
Instrument :
BNA_N
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QLast Update : Fri Jun 21 06:31:50 2019
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#6

Phenol

Concen: 2.311 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

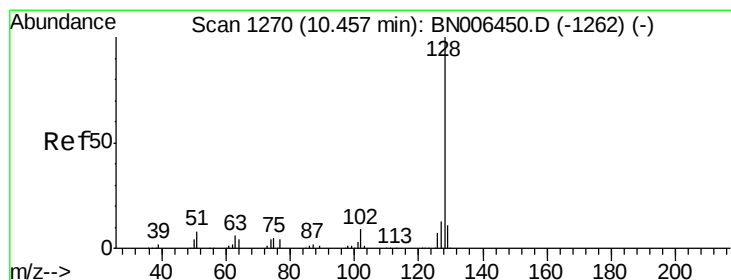
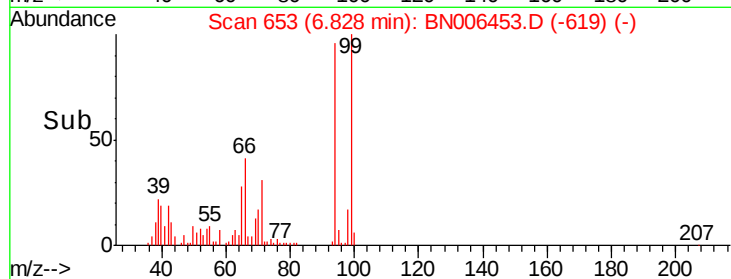
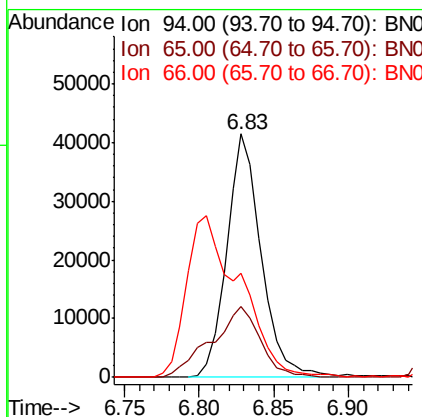
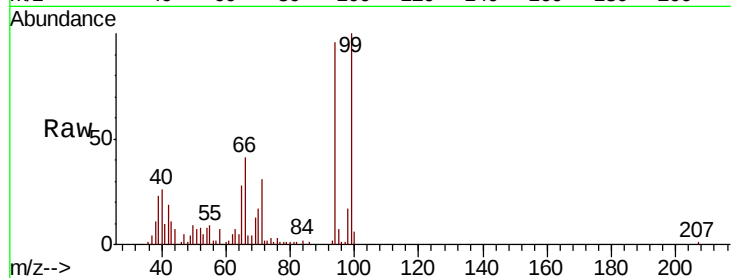
ClientSampled :

A4201

Tot Ion:	94	Resp:	66835
Ion	Ratio	Lower	Upper
94	100		
65	29.0	22.5	33.7
66	42.6	29.5	44.3

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#28

Naphthalene

Concen: 1.011 ng/ul

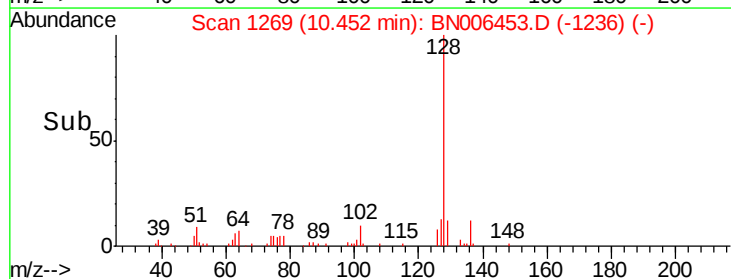
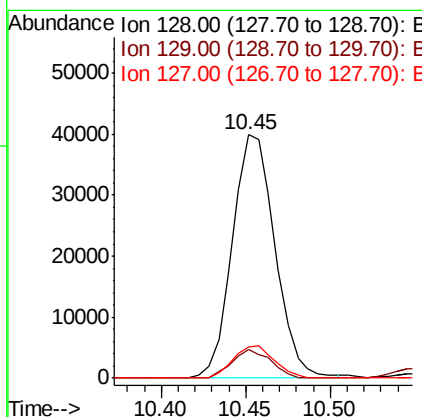
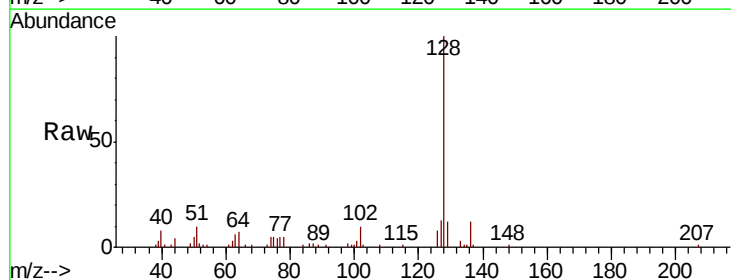
RT: 10.45 min Scan# 1269

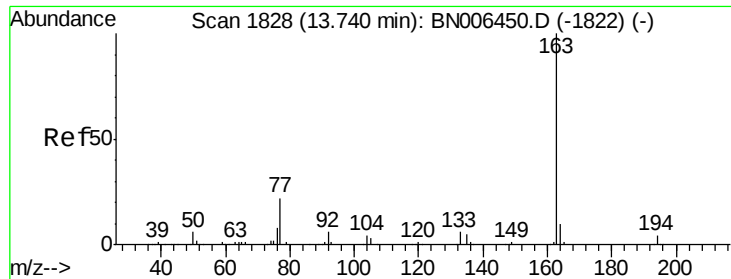
Delta R.T. -0.01 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Tgt Ion:	128	Resp:	70105
Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	12.8	10.4	15.6





#44

Dimethylphthalate

Concen: 5.930 ng/ul

RT: 13.74 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

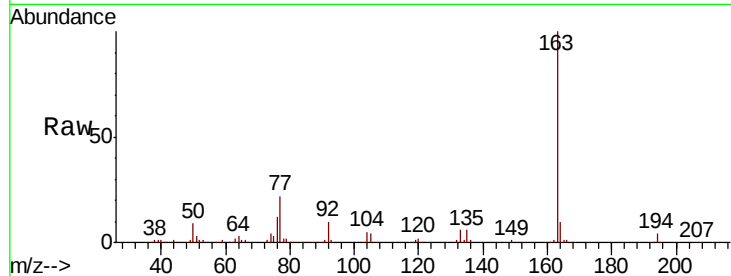
ClientSampleId :

A4201

Tot Ion:	163	Resp:	374075
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.0
164	10.0	8.0	12.0

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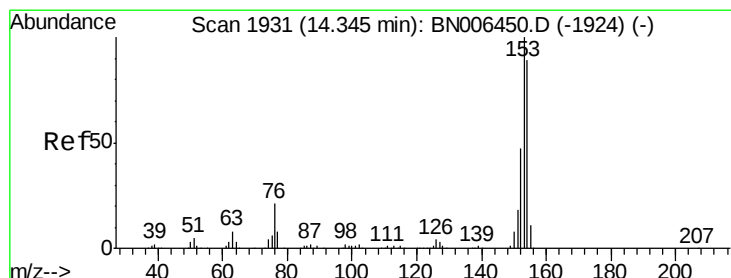
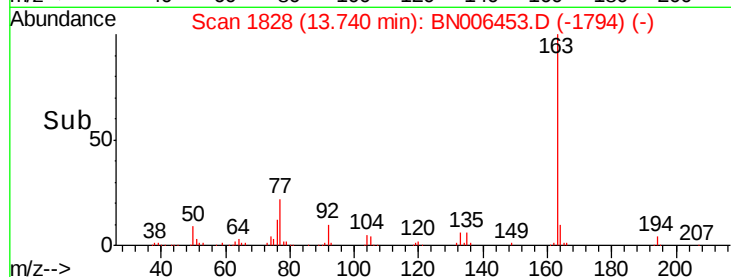
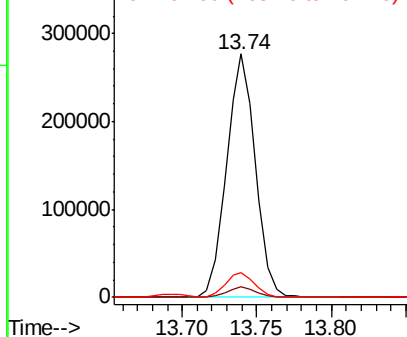


Abundance

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



#49

Acenaphthene

Concen: 8.007 ng/ul

RT: 14.35 min Scan# 1931

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

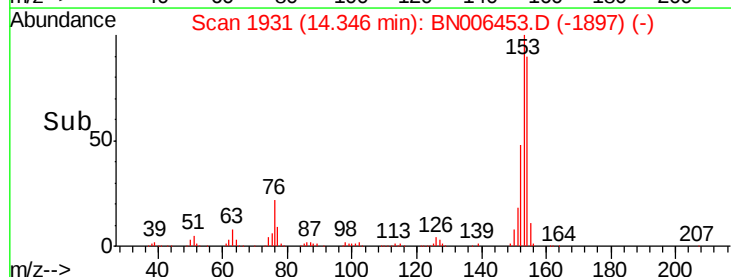
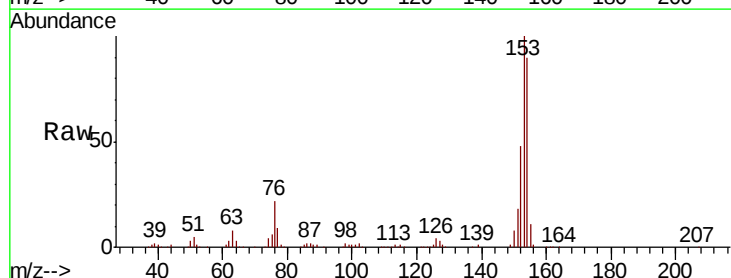
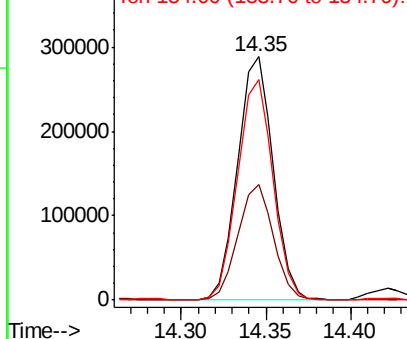
Tgt Ion:	153	Resp:	424132
Ion Ratio	Lower	Upper	
153	100		
152	47.7	37.8	56.6
154	90.3	71.2	106.8

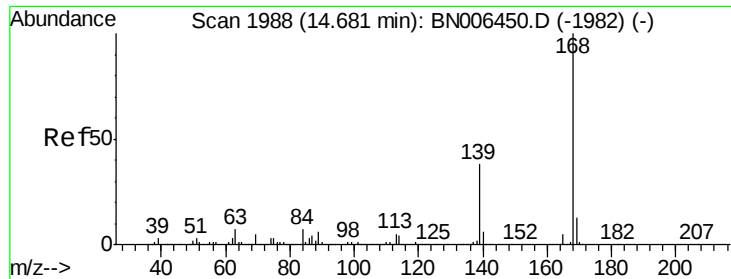
Abundance

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: 5.075 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

ClientSampled :

A4201

Tot Ion:168 Resp: 372465

Ion Ratio Lower Upper

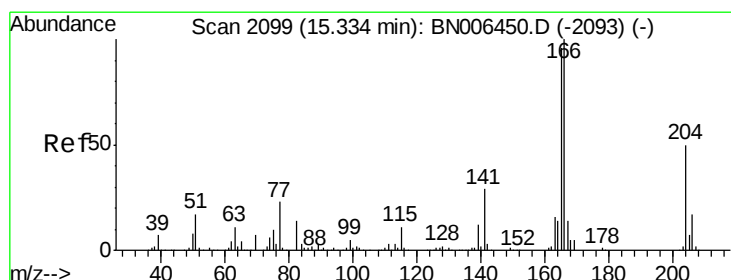
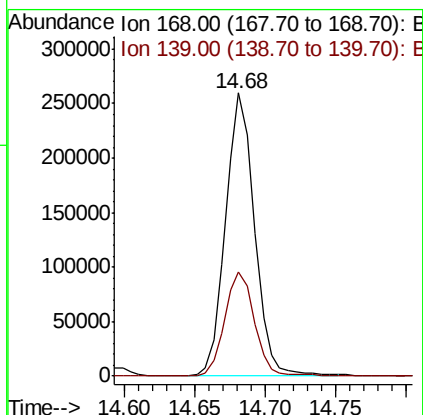
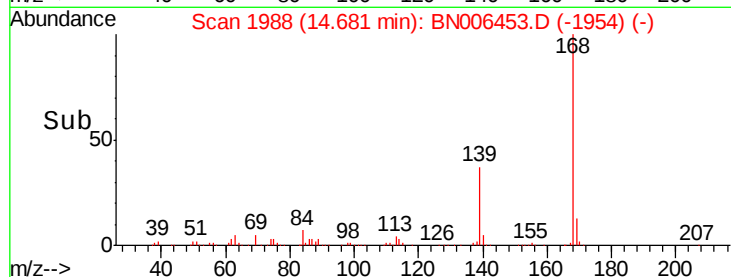
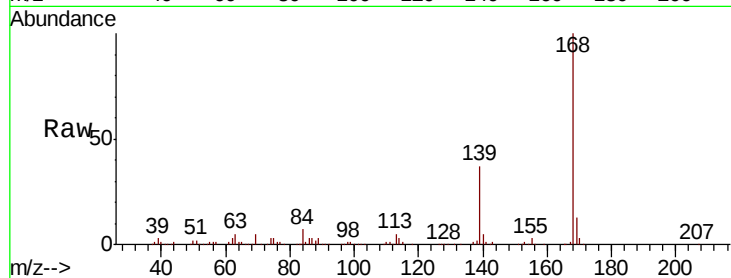
168 100

139 37.0 29.4 44.0

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#58

Fluorene

Concen: 9.957 ng/ul

RT: 15.33 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

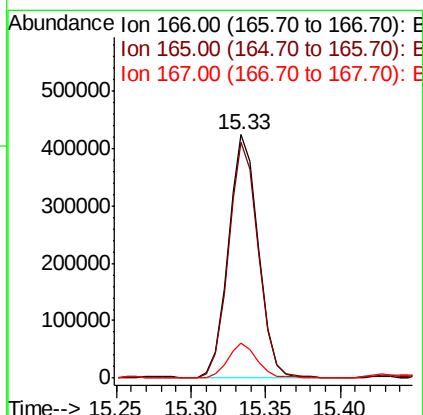
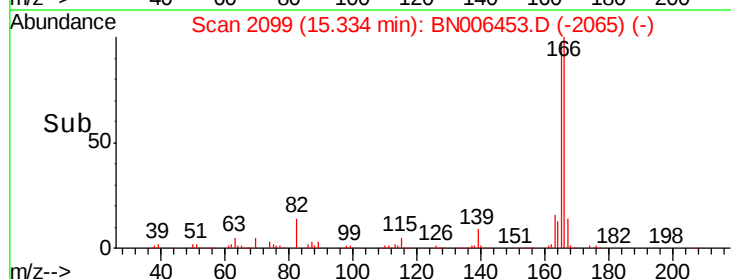
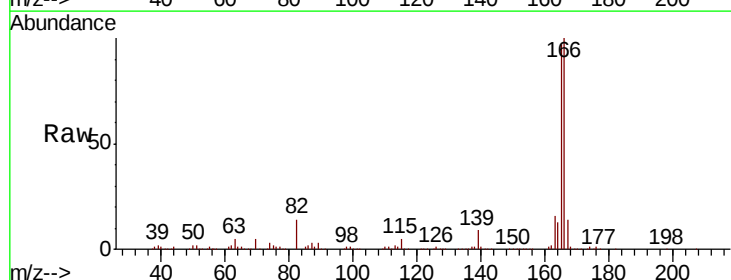
Tgt Ion:166 Resp: 590761

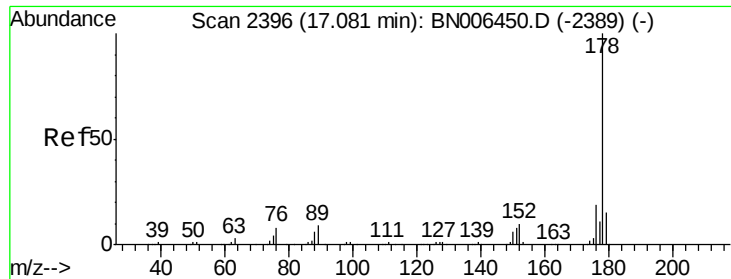
Ion Ratio Lower Upper

166 100

165 96.7 77.5 116.3

167 14.2 10.7 16.1





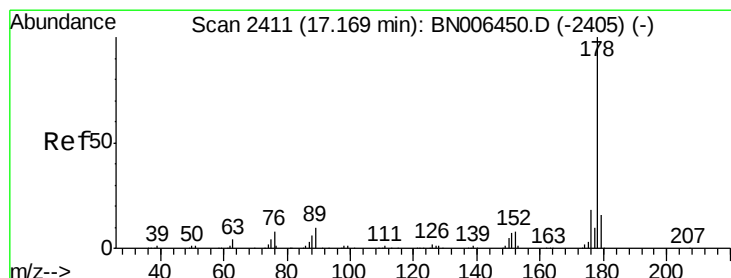
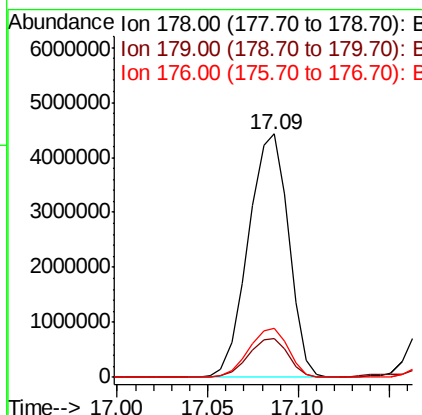
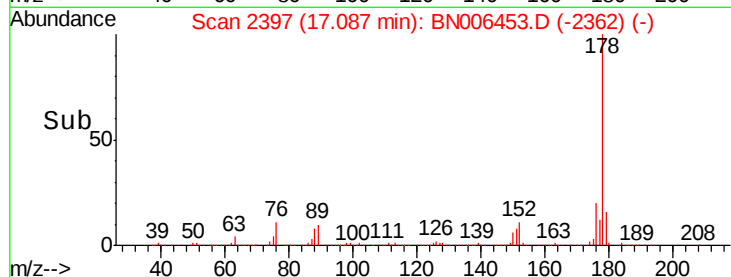
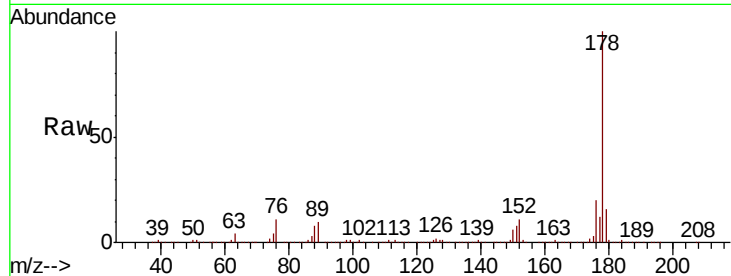
#69
Phenanthrene
Concen: 71.883 ng/ul
RT: 17.09 min Scan# 2397
Delta R.T. 0.01 min
Lab File: BN006453.D
Acq: 21 Jun 2019 06:21

Instrument :
BNA_N
ClientSampled :
A4201

Tot Ion:178 Resp: 6835620
Ion Ratio Lower Upper
178 100
179 16.1 12.5 18.7
176 20.3 15.3 22.9

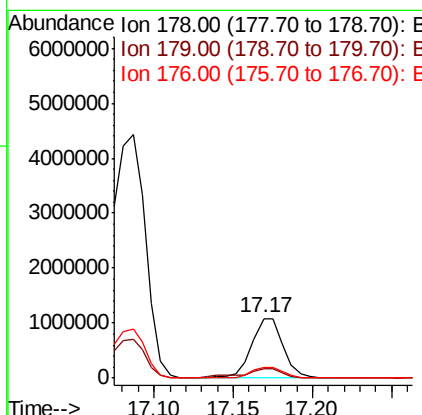
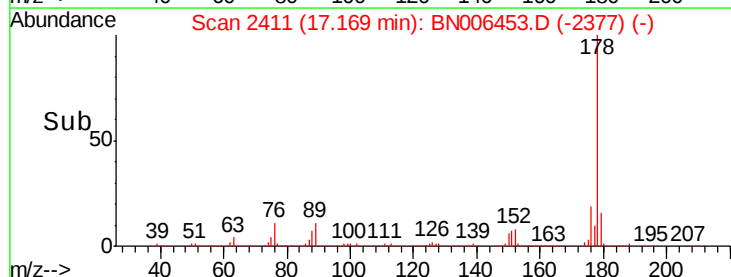
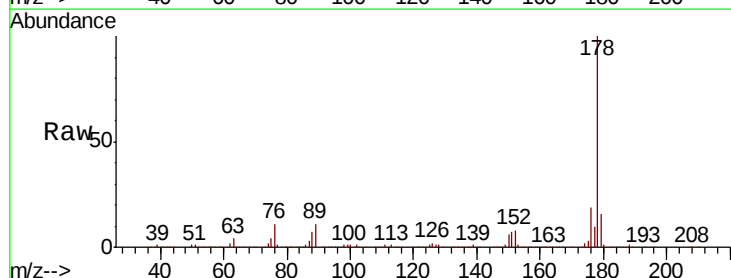
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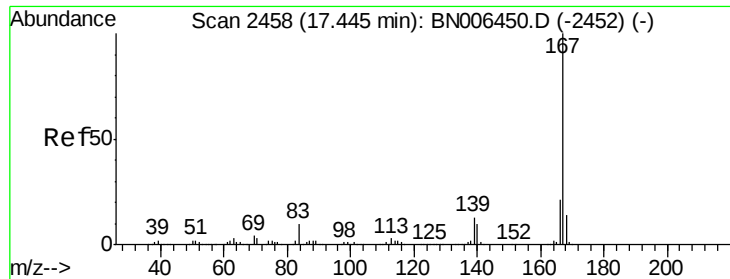
mohammad
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#71
Anthracene
Concen: 15.646 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BN006453.D
Acq: 21 Jun 2019 06:21

Tgt Ion:178 Resp: 1510306
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 18.6 14.7 22.1





#74

Carbazole

Concen: 6.716 ng/ul

RT: 17.45 min Scan# 2458

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

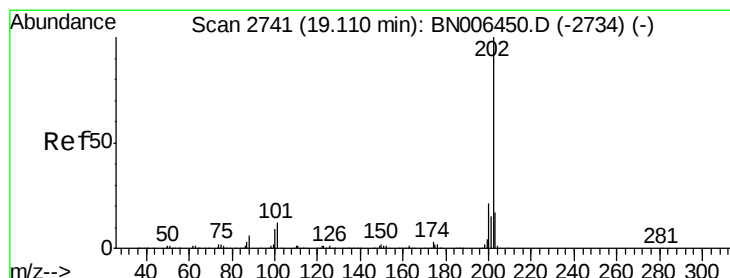
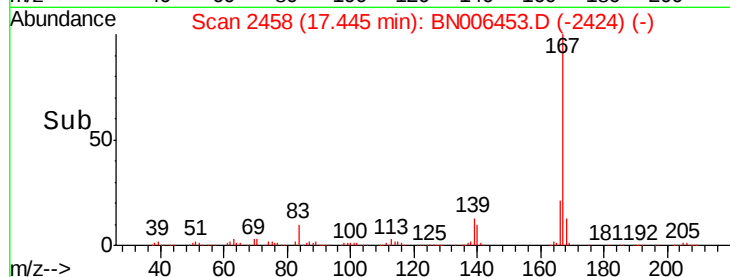
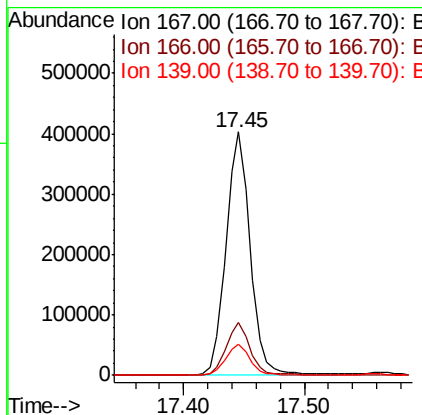
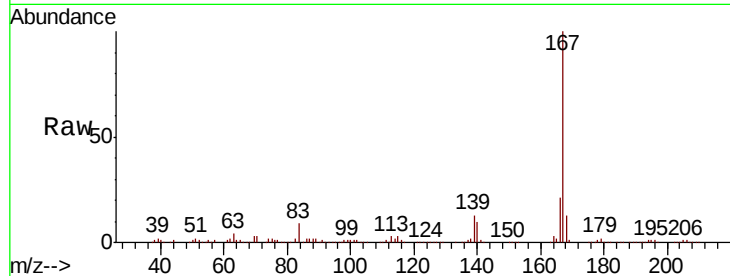
ClientSampled :

A4201

Tot Ion:	167	Resp:	559521
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	13.0	10.5	15.7

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#76

Fluoranthene

Concen: 81.969 ng/ul

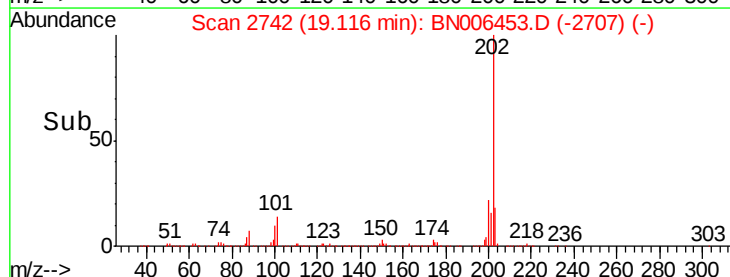
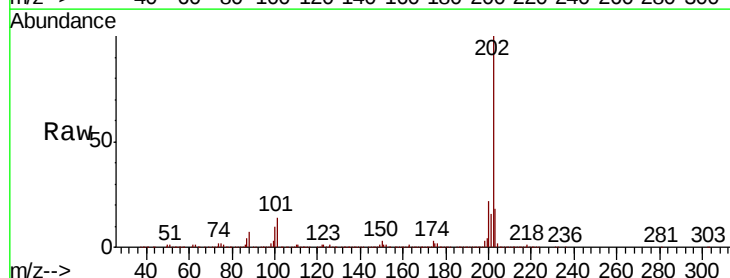
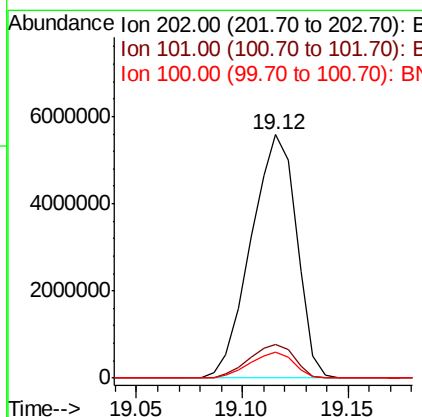
RT: 19.12 min Scan# 2742

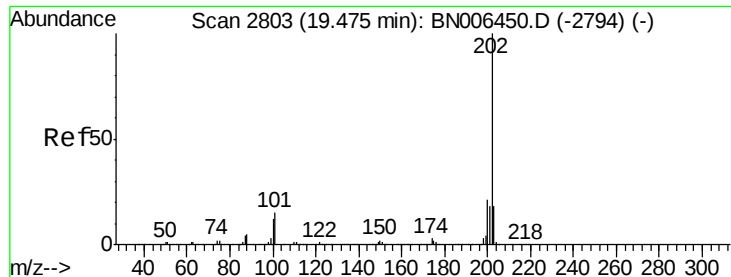
Delta R.T. 0.01 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Tgt Ion:	202	Resp:	8400575
Ion Ratio	Lower	Upper	
202	100		
101	13.9	10.5	15.7
100	10.5	7.6	11.4





#79

Pvrene

Concen: 65.477 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

ClientSampleId :

A4201

Tot Ion:202 Resp: 6713914

Ion Ratio Lower Upper

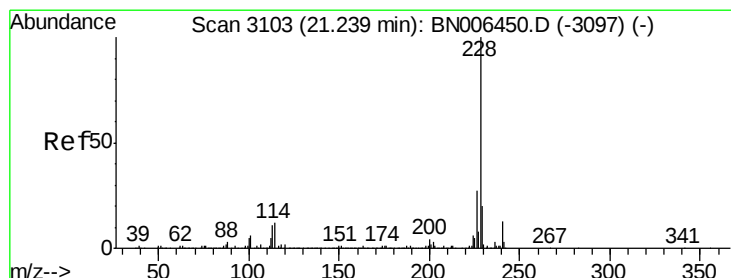
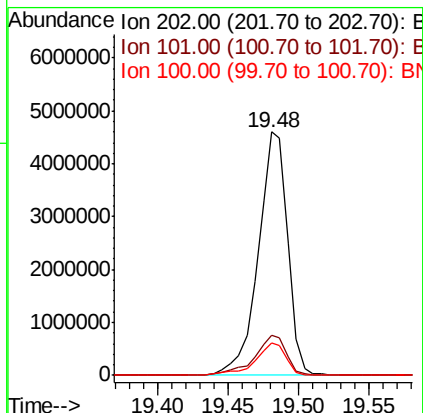
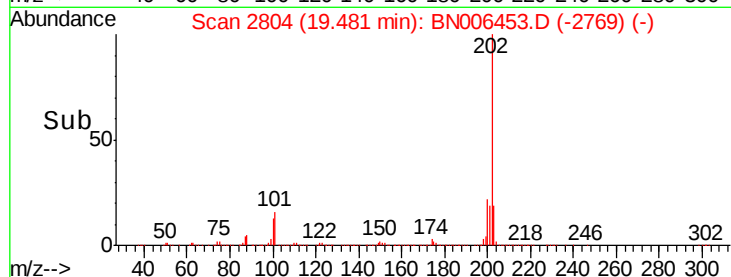
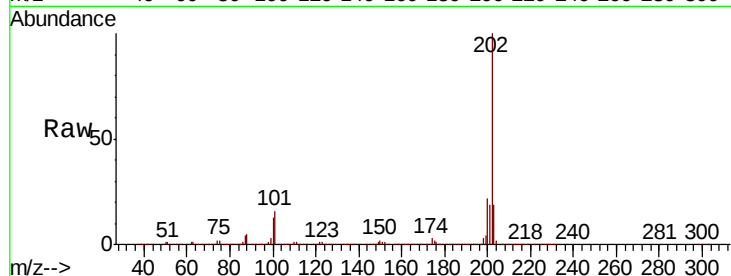
202 100

101 16.5 12.2 18.4

100 13.4 9.8 14.6

Manual Integrations
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#82

Benzo(a)anthracene

Concen: 33.692 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

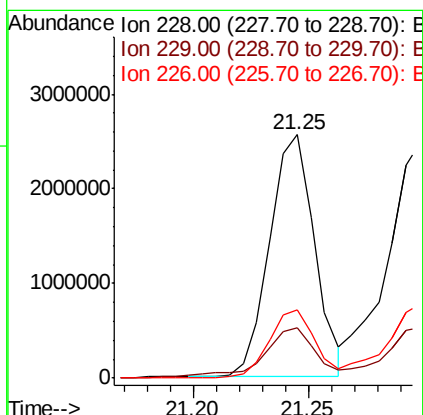
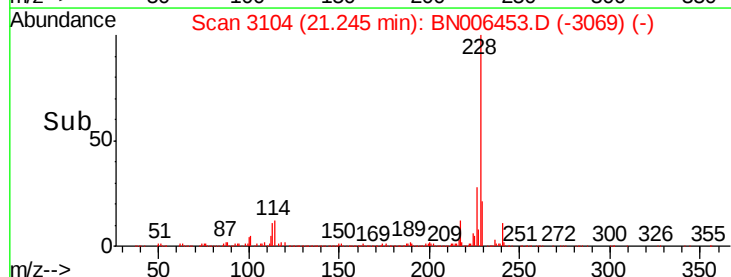
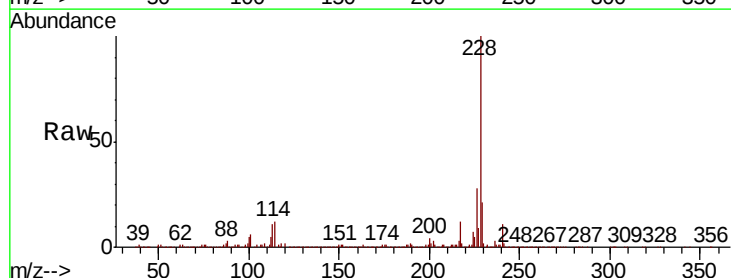
Tgt Ion:228 Resp: 3468256

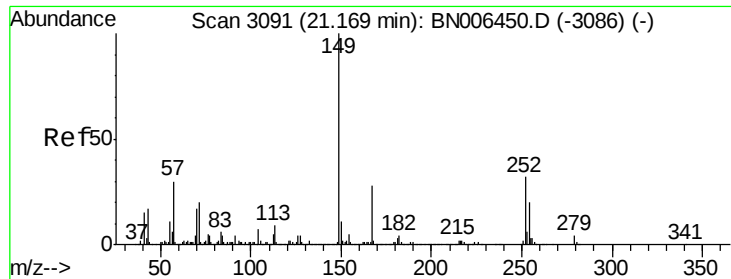
Ion Ratio Lower Upper

228 100

229 20.9 15.6 23.4

226 28.1 21.5 32.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.238 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

ClientSampleId :

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Tot Ion:149 Resp: 147576
Ion Ratio Lower Upper

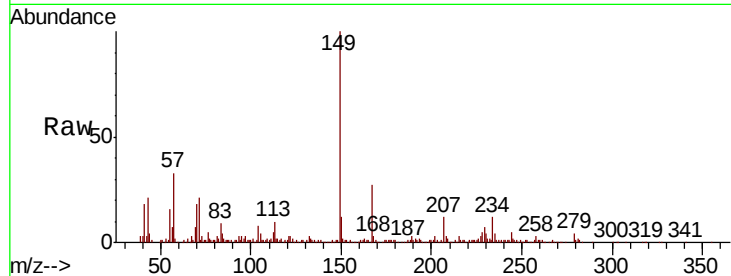
149 100

167 27.5 22.2 33.4

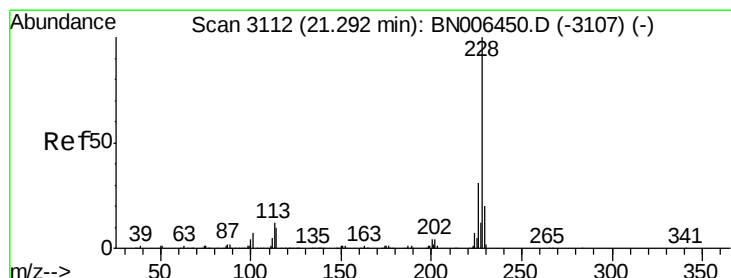
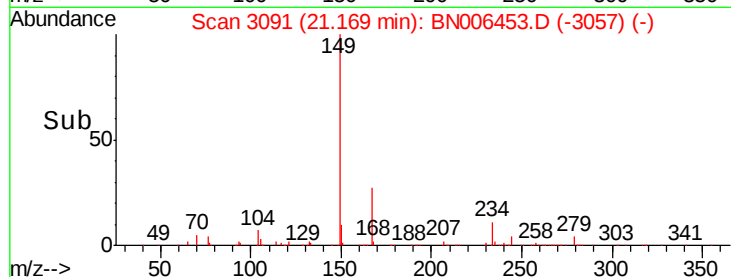
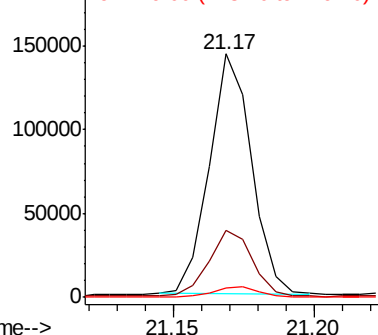
279 4.1 3.3 4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 37.134 ng/ul

RT: 21.30 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BN006453.D

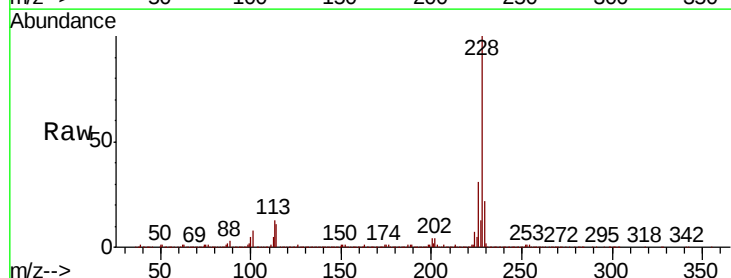
Acq: 21 Jun 2019 06:21

Tgt Ion:228 Resp: 3637997
Ion Ratio Lower Upper

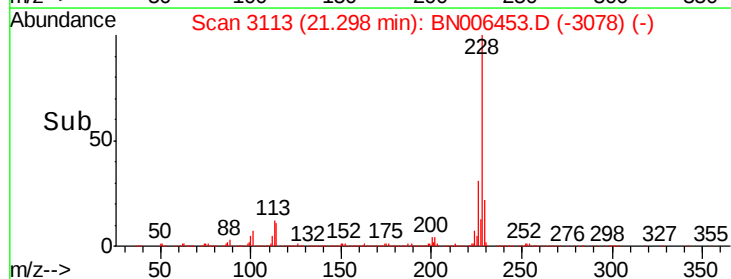
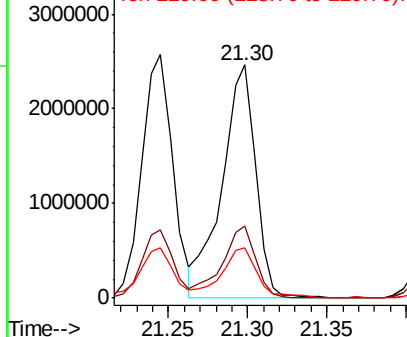
228 100

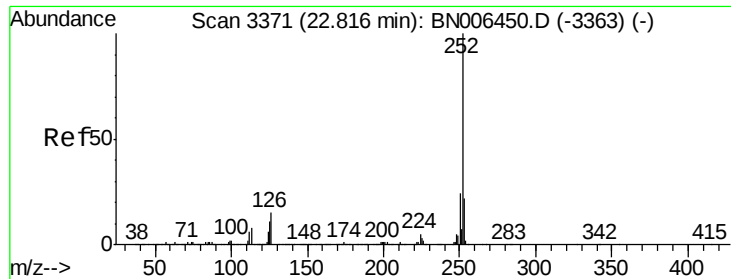
226 30.9 24.2 36.2

229 21.7 15.9 23.9



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: 43.167 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BN006453.D

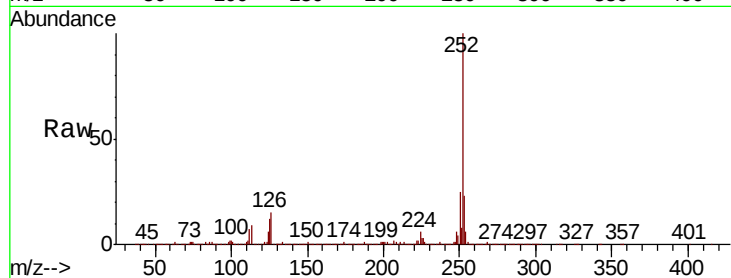
Acq: 21 Jun 2019 06:21

Instrument :
BNA_N
ClientSampleId :
A4201

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	12.0	9.0	13.6

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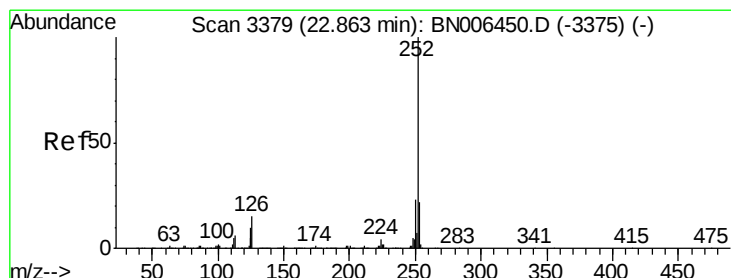
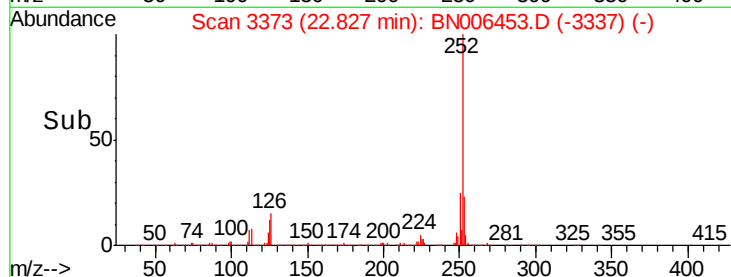
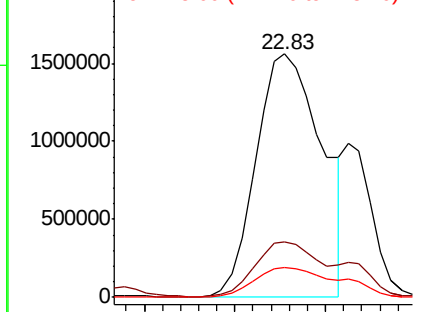


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 12.301 ng/ul m

RT: 22.86 min Scan# 3379

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

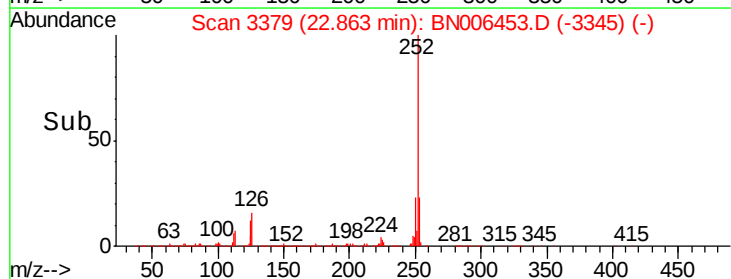
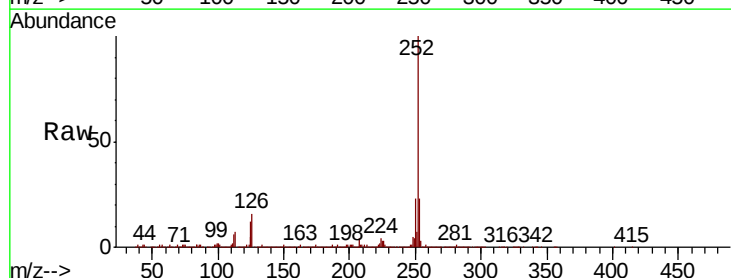
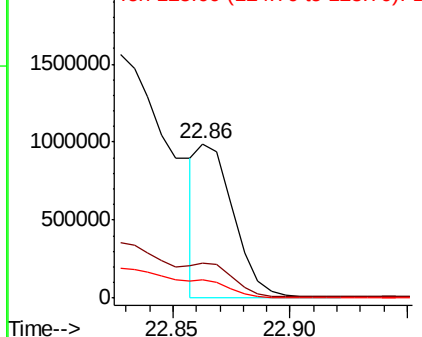
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.8	9.1	13.7

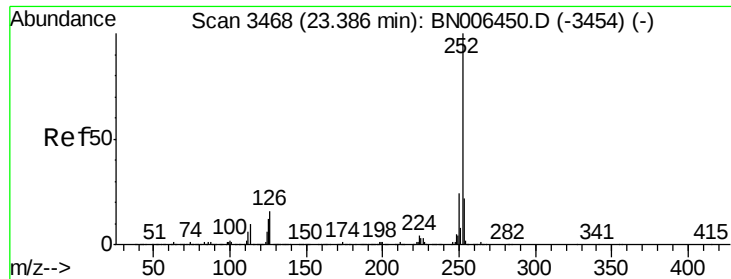
Abundance

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





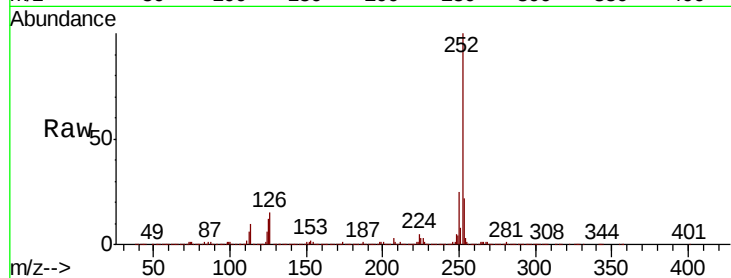
#90
Benzo(a)pyrene
Concen: 27.387 ng/ul
RT: 23.40 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BN006453.D
Acq: 21 Jun 2019 06:21

Instrument :
BNA_N
ClientSampled :
A4201

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	12.0	10.0	15.0

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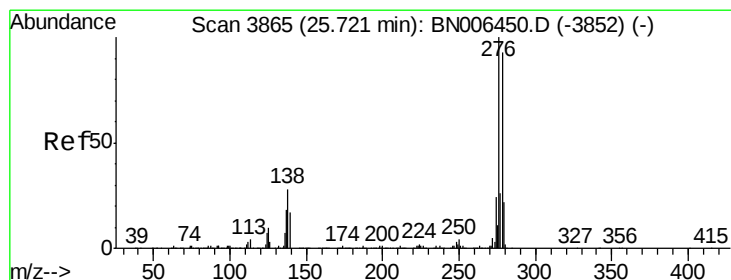
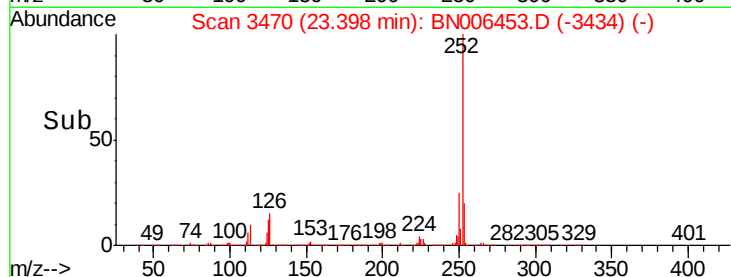
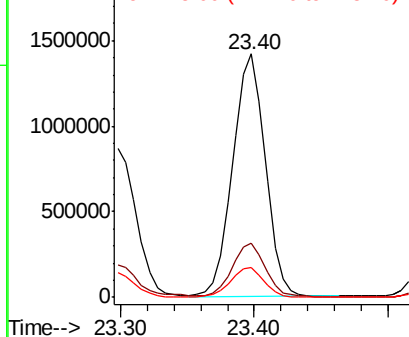


Abundance

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: 12.538 ng/ul
RT: 25.72 min Scan# 3865
Delta R.T. 0.00 min
Lab File: BN006453.D
Acq: 21 Jun 2019 06:21

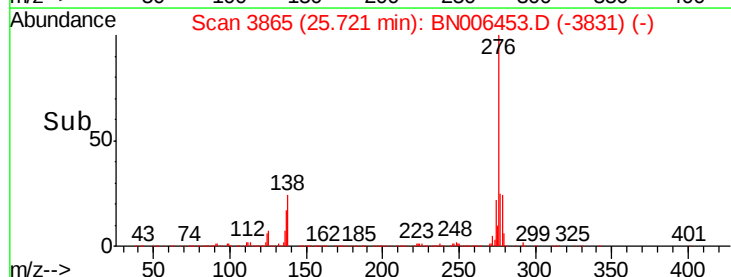
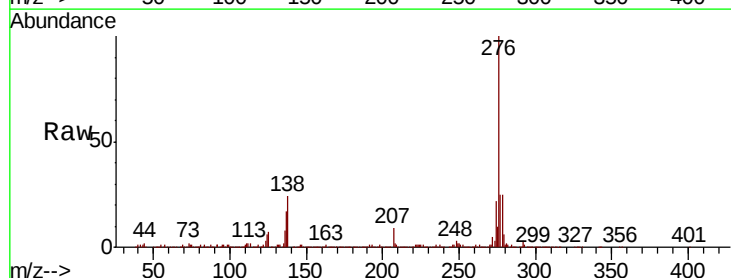
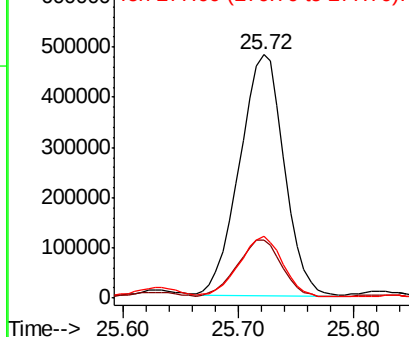
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	22.2	33.4
277	25.3	20.2	30.4

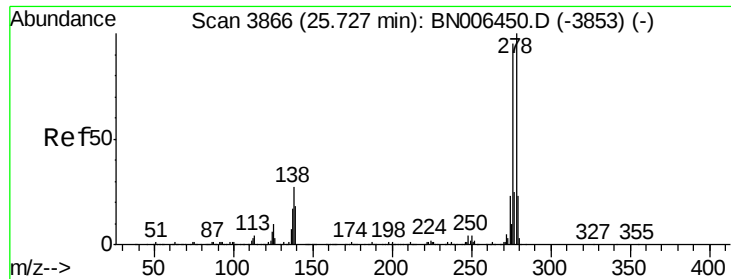
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 4.124 ng/ul m

RT: 25.72 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Instrument :

BNA_N

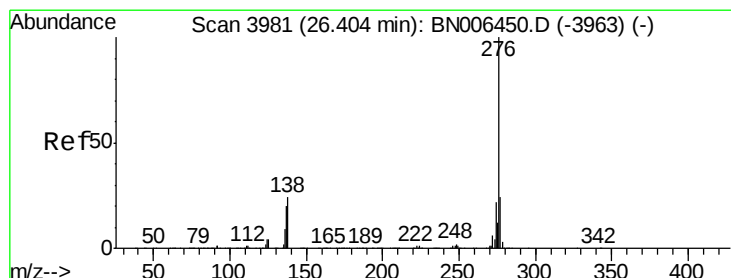
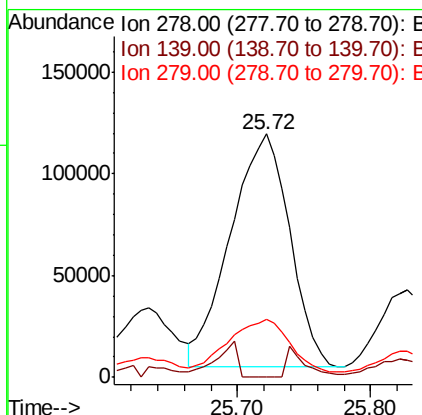
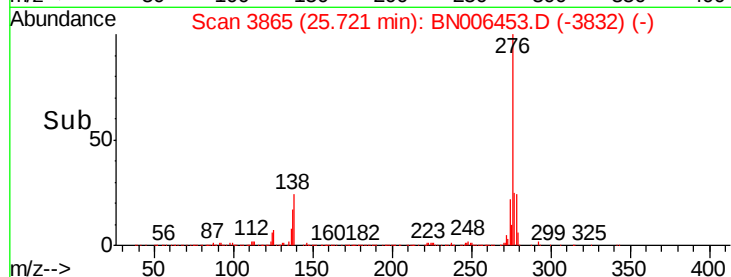
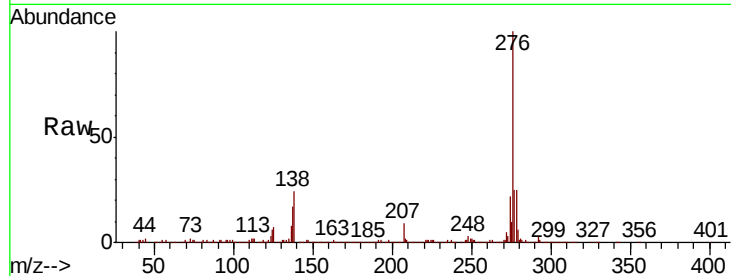
ClientSampleId :

A4201

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.2	21.4#
279	24.0	18.8	28.2

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#93

Benzo(g,h,i)perylene

Concen: 11.526 ng/ul

RT: 26.40 min Scan# 3981

Delta R.T. 0.00 min

Lab File: BN006453.D

Acq: 21 Jun 2019 06:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.1	28.7
277	24.2	19.4	29.0

