

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
 Data File : BN006017.D
 Acq On : 02 Jun 2019 06:06
 Operator : JU/SJ
 Sample : K2928-14DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C8DL

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:38:35 AM

Quant Time: Jun 03 02:25:32 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	7.72	152	461130	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.51	136	2008445	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1206157	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	2570053	20.00	ng/ul	-0.02
77) Chrysene-d12	21.35	240	1735082	20.00	ng/ul	-0.02
85) Perylene-d12	23.63	264	1799123	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	6250m	0.60	ng/uL	0.00
5) Phenol-d5	6.89	99	111760	2.73	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	64939	2.78	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	89755	2.88	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	83703	2.54	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	42856	3.32	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.60	143	43388	3.61	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	73892	2.61	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.65	131	41185m	1.11	ng/ul	-0.02
43) Dimethylphthalate-d6	13.79	166	270575	3.04	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	336800	3.03	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.59	143	31234	1.93	ng/ul	-0.02
57) Fluorene-d10	15.38	176	236018	3.17	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.51	200	17751	1.69	ng/ul	-0.02
70) Anthracene-d10	17.24	188	352528	3.22	ng/ul	-0.02
78) Pyrene-d10	19.54	212	323688	3.69	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.48	264	231401	2.88	ng/ul	-0.04

Target Compounds

					Ovalue
44) Dimethylphthalate	13.84	163	95141	1.071	ng/ul 99
47) Acenaphthylene	14.10	152	117663	1.079	ng/ul 97
69) Phenanthrene	17.18	178	1221815	9.595	ng/ul 99
71) Anthracene	17.27	178	411293	3.181	ng/ul 99
76) Fluoranthene	19.21	202	4461331	32.819	ng/ul 96
79) Pyrene	19.57	202	5286626	48.099	ng/ul 95
82) Benzo(a)anthracene	21.34	228	2649992	24.296	ng/ul 96
84) Chrysene	21.39	228	2808364	27.607	ng/ul 97
87) Benzo(b)fluoranthene	22.95	252	2448999	24.235	ng/ul 98
88) Benzo(k)fluoranthene	22.99	252	857478m	9.229	ng/ul
90) Benzo(a)pyrene	23.53	252	1920797	20.157	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.93	276	1183838	10.587	ng/ul 98
92) Dibenzo(a,h)anthracene	25.93	278	367393	3.946	ng/ul# 79
93) Benzo(g,h,i)perylene	26.63	276	906920	9.630	ng/ul 94

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

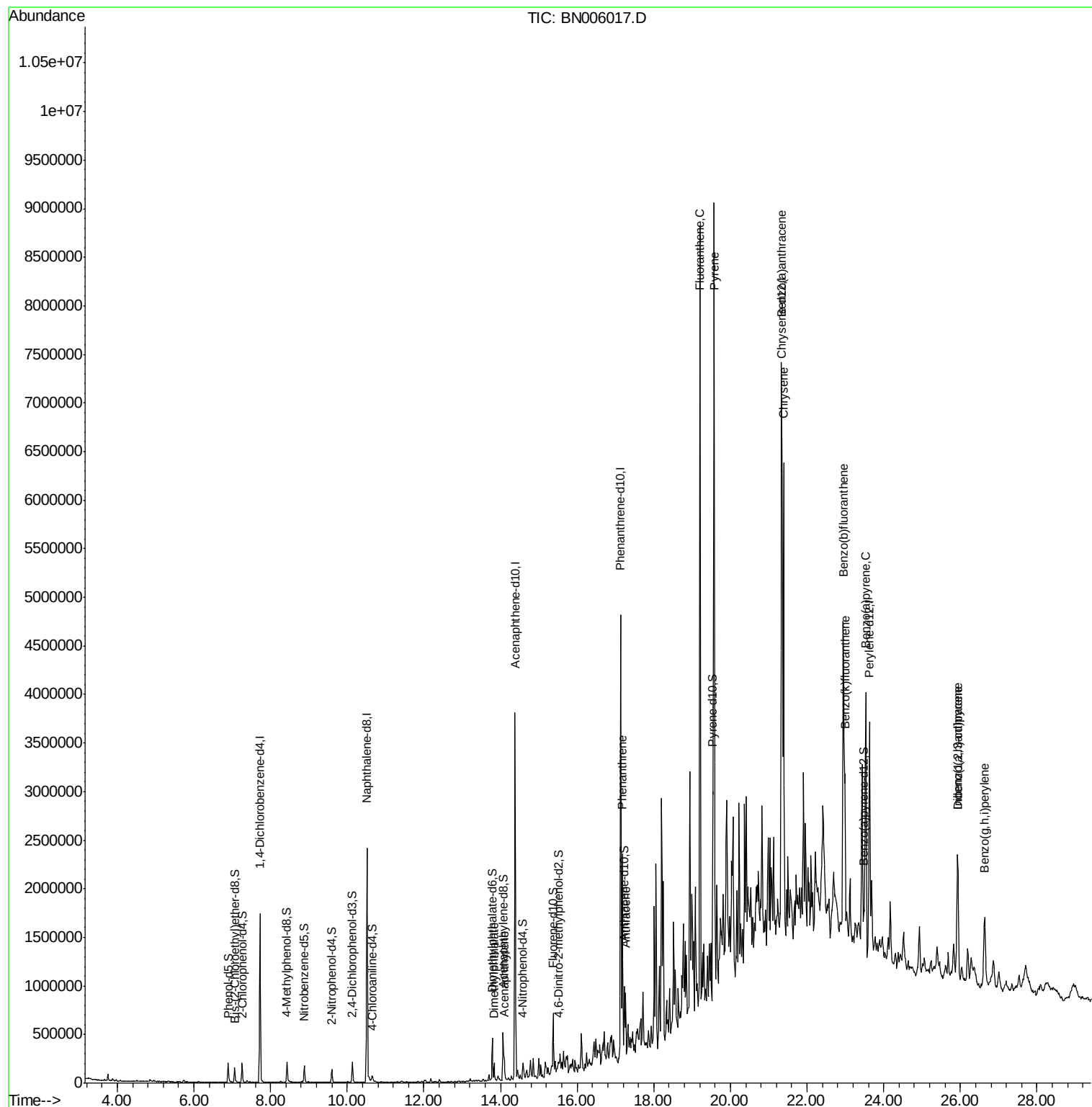
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060119\
Data File : BN006017.D
Acq On : 02 Jun 2019 06:06
Operator : JU/SJ
Sample : K2928-14DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

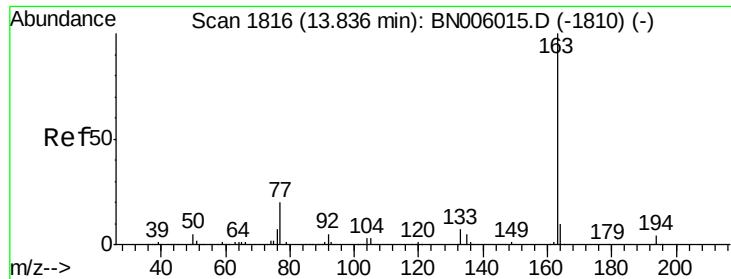
Instrument :
BNA_N
ClientSampled :
A42C8DL

Manual Integrations
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6/4/2019 8:38:35 AM

Quant Time: Jun 03 02:25:32 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





#44

Dimethylphthalate

Concen: 1.071 ng/ul

RT: 13.84 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Instrument :

BNA_N

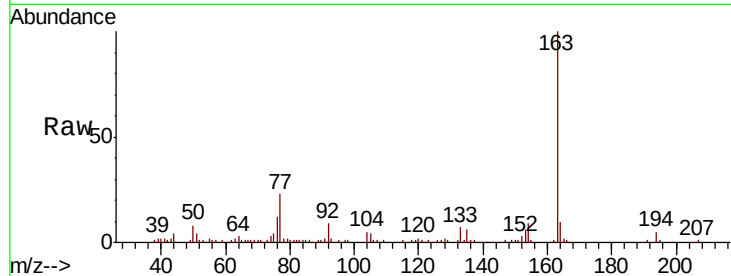
ClientSampleId :

A42C8DL

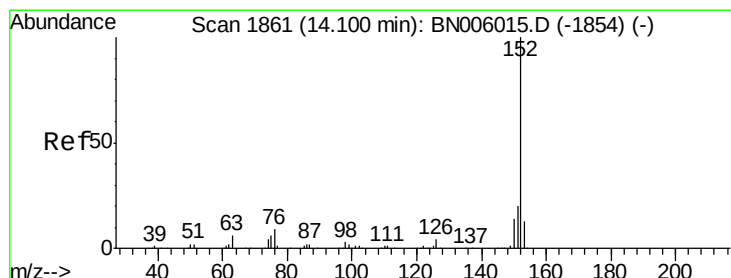
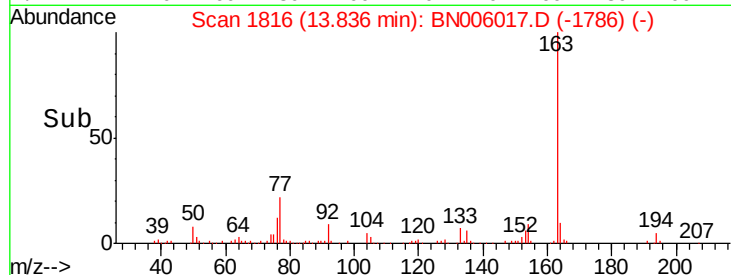
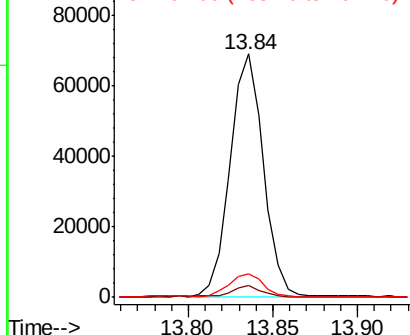
Tot Ion:	163	Resp:	95141
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.4	5.0
164	9.9	8.1	12.1

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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: 1.079 ng/ul

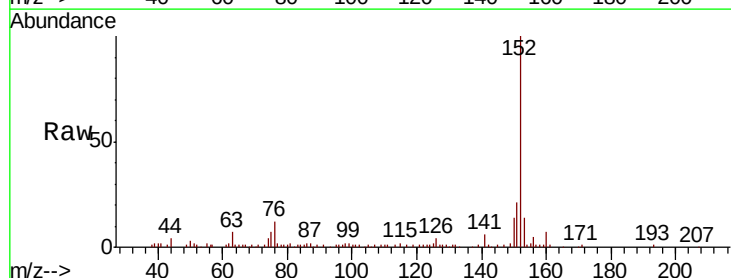
RT: 14.10 min Scan# 1861

Delta R.T. -0.02 min

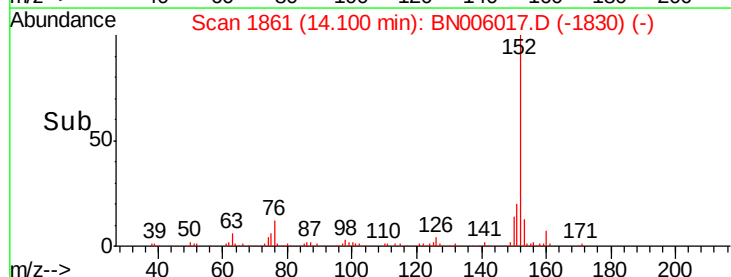
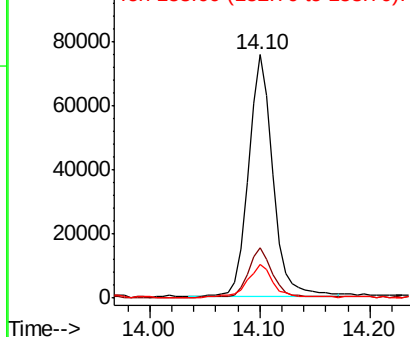
Lab File: BN006017.D

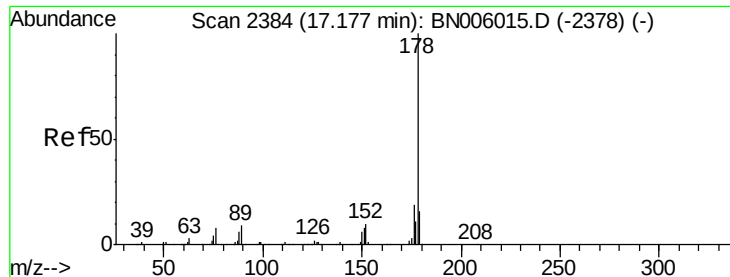
Acq: 02 Jun 2019 06:06

Tgt Ion:	152	Resp:	117663
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.8	23.8
153	14.0	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





#69

Phenanthrene

Concen: 9.595 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. -0.02 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Instrument :

BNA_N

ClientSampled :

A42C8DL

Tot Ion:178 Resp: 1221815

Ion Ratio Lower Upper

178 100

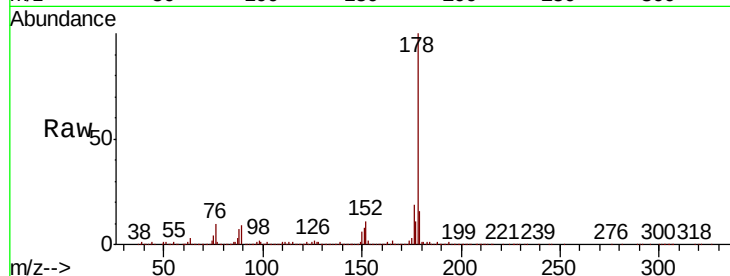
179 16.1 12.2 18.4

176 18.9 15.1 22.7

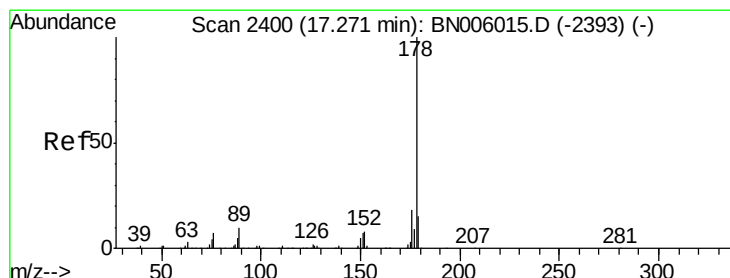
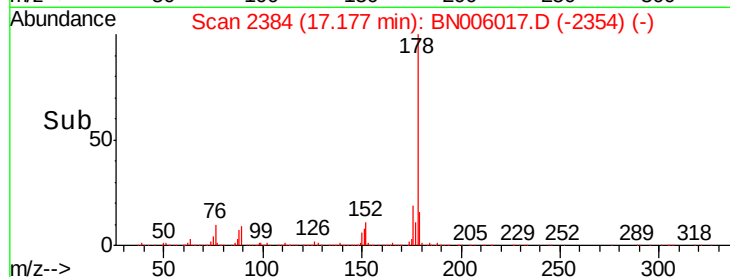
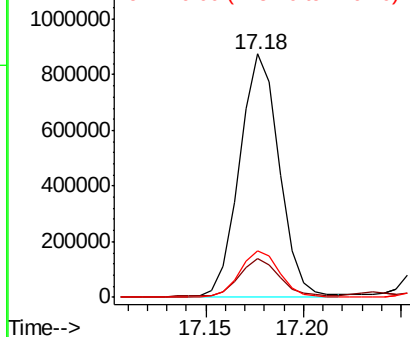
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.181 ng/ul

RT: 17.27 min Scan# 2400

Delta R.T. -0.02 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Tgt Ion:178 Resp: 411293

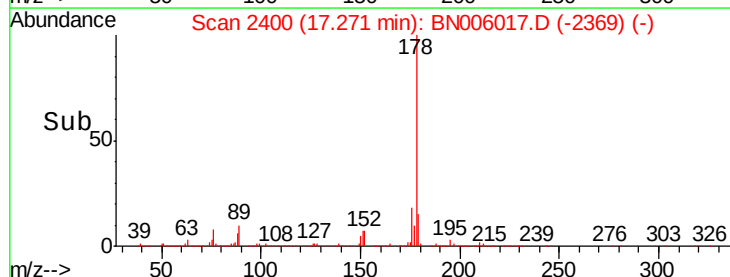
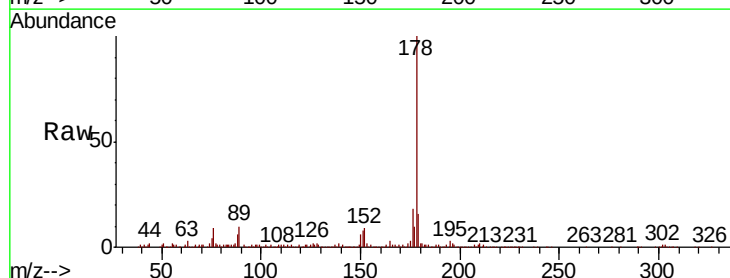
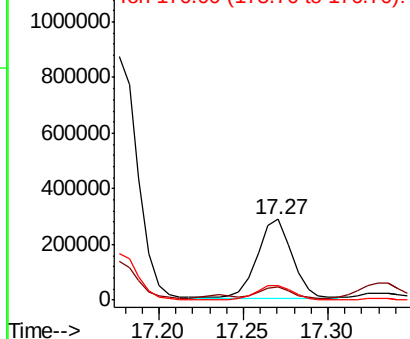
Ion Ratio Lower Upper

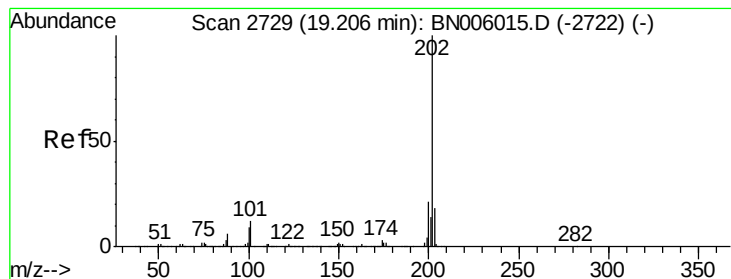
178 100

179 15.6 12.3 18.5

176 18.2 15.1 22.7

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





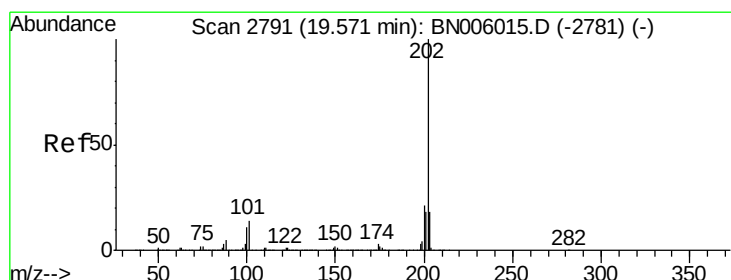
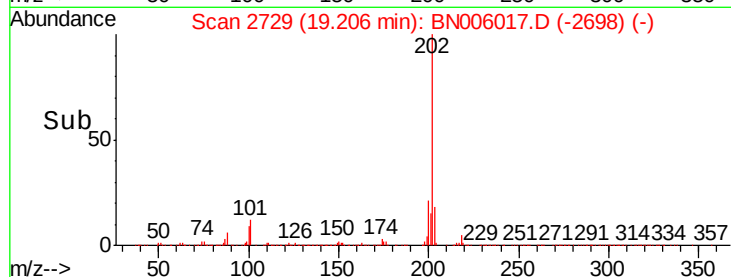
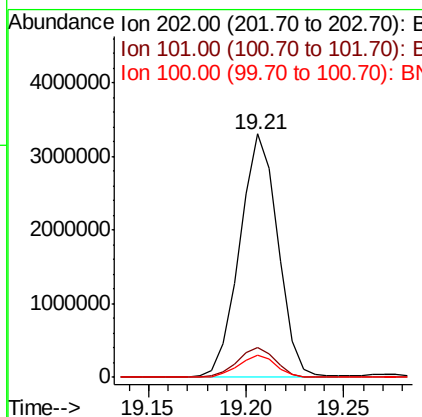
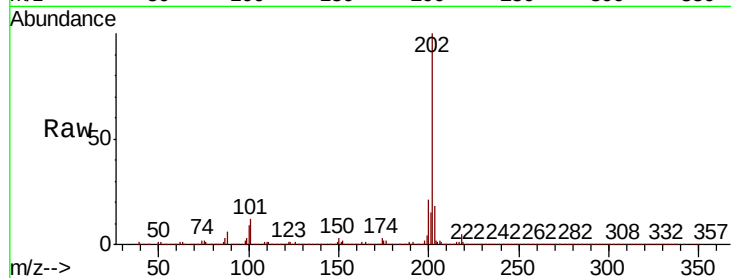
#76
 Fluoranthene
 Concen: 32.819 ng/ul
 RT: 19.21 min Scan# 2729
 Delta R.T. -0.02 min
 Lab File: BN006017.D
 Acq: 02 Jun 2019 06:06

Instrument :
 BNA_N
 ClientSampleId :
 A42C8DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		4461331		
101	12.3	8.6	12.8		
100	9.1	6.3	9.5		

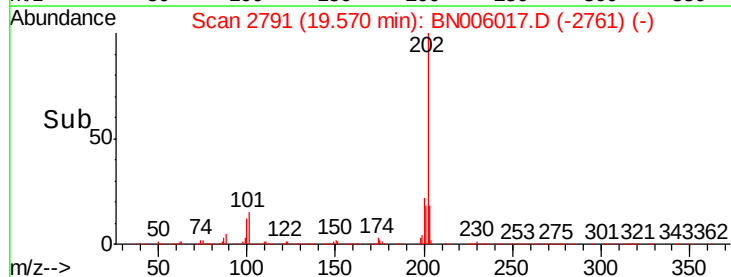
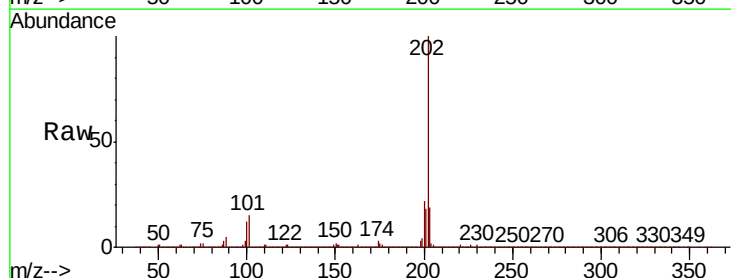
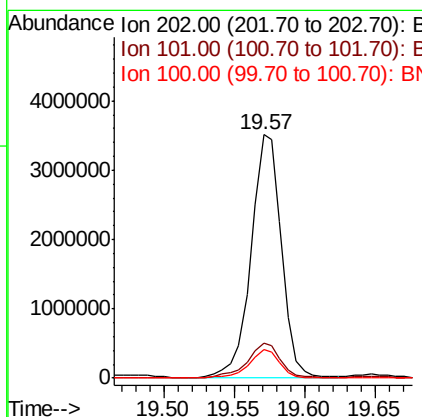
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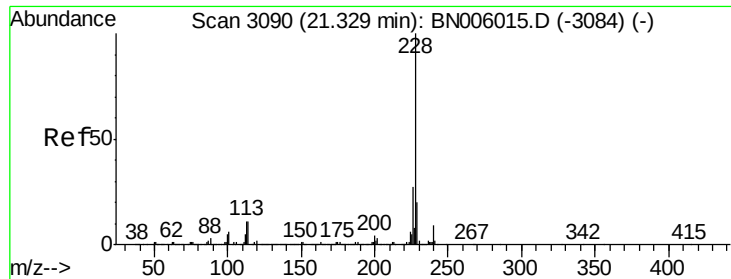
Sohil
 6/4/2019 8:38:35 AM



#79
 Pyrene
 Concen: 48.099 ng/ul
 RT: 19.57 min Scan# 2791
 Delta R.T. -0.02 min
 Lab File: BN006017.D
 Acq: 02 Jun 2019 06:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		5286626		
101	14.6	10.3	15.5		
100	11.7	7.9	11.9		





#82

Benzo(a)anthracene

Concen: 24.296 ng/ul

RT: 21.34 min Scan# 3091

Delta R.T. -0.02 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Instrument :

BNA_N

ClientSampled :

A42C8DL

Tot Ion:228 Resp: 2649992

Ion Ratio Lower Upper

228 100

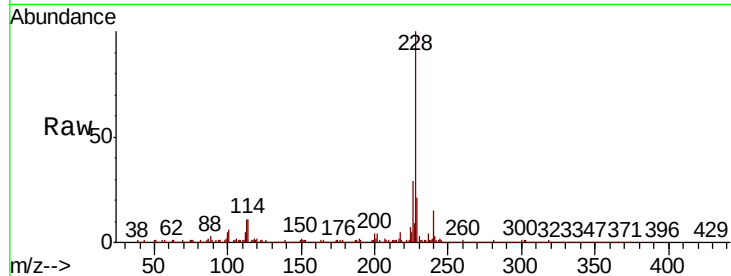
229 21.5 15.8 23.6

226 28.8 21.4 32.2

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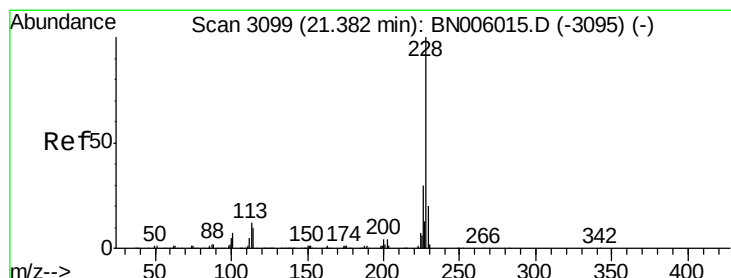
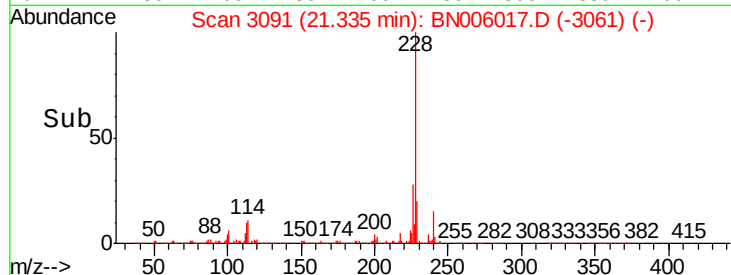
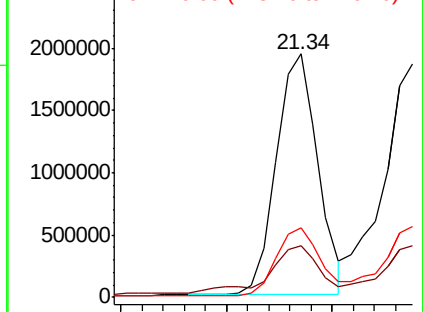


Abundance

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: 27.607 ng/ul

RT: 21.39 min Scan# 3100

Delta R.T. -0.02 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Tgt Ion:228 Resp: 2808364

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

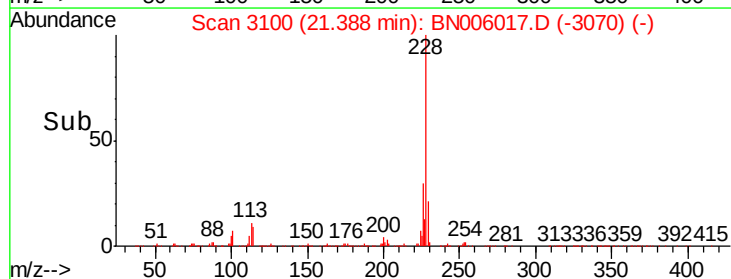
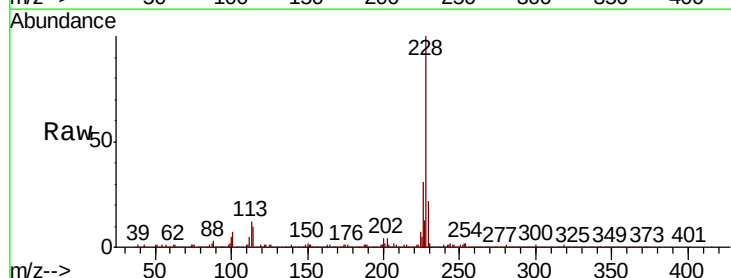
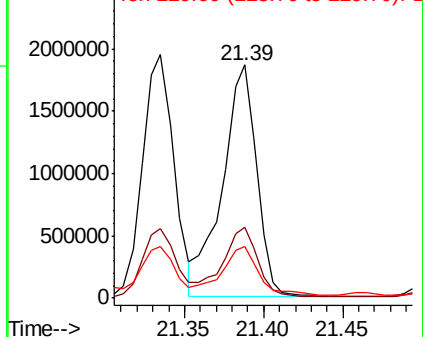
229 22.0 15.4 23.0

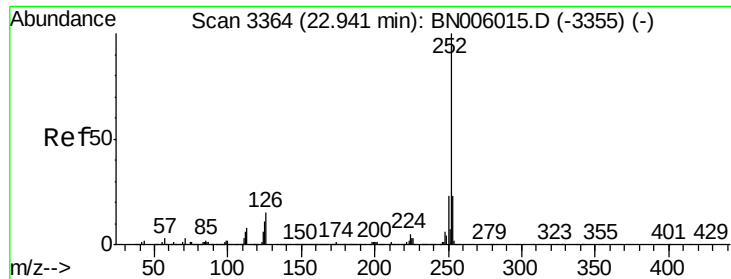
Abundance

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





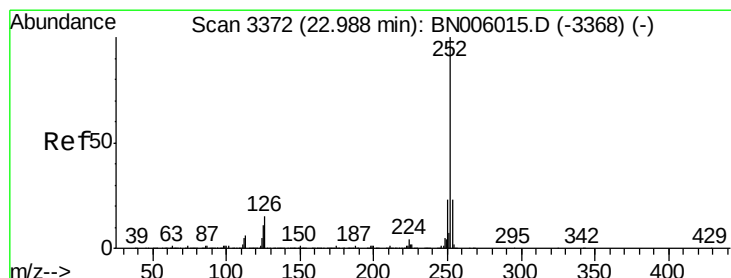
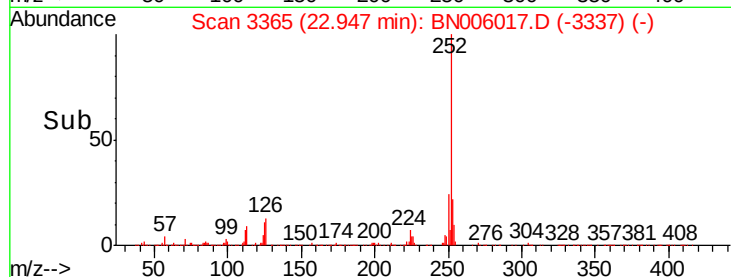
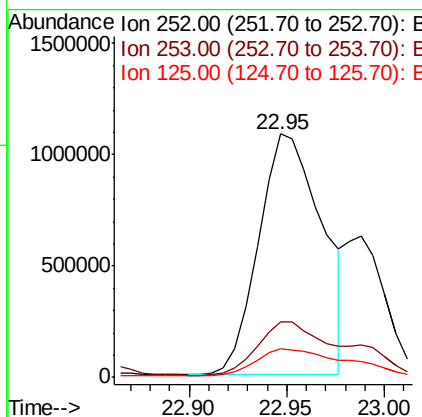
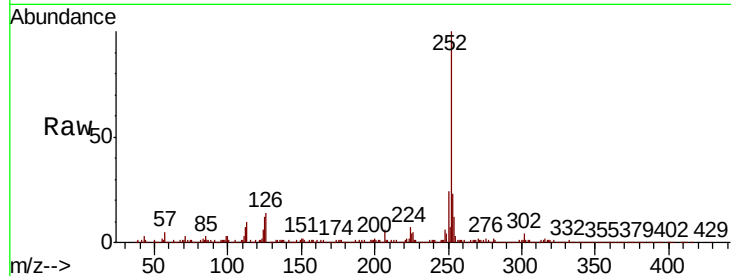
#87
Benzo(b)fluoranthene
Concen: 24.235 ng/ul
RT: 22.95 min Scan# 3365
Delta R.T. -0.04 min
Lab File: BN006017.D
Acq: 02 Jun 2019 06:06

Instrument :
BNA_N
ClientSampled :
A42C8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.7	8.4	12.6

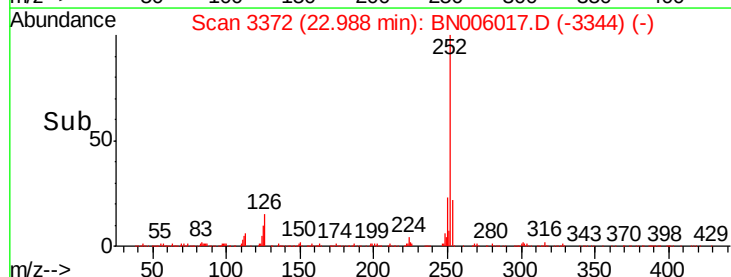
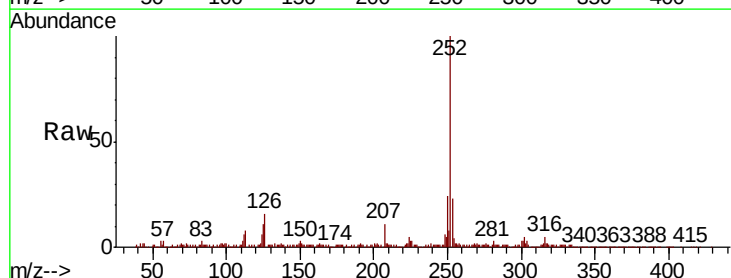
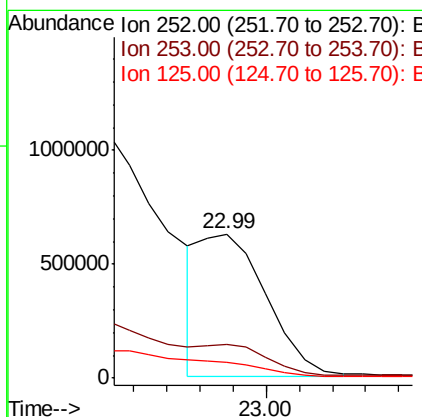
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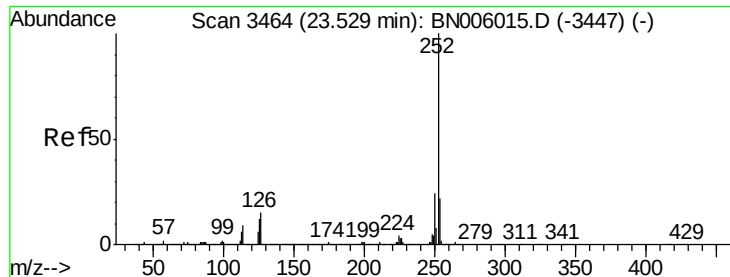
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#88
Benzo(k)fluoranthene
Concen: 9.229 ng/ul m
RT: 22.99 min Scan# 3372
Delta R.T. -0.04 min
Lab File: BN006017.D
Acq: 02 Jun 2019 06:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	11.3	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 20.157 ng/ul

RT: 23.53 min Scan# 3465

Delta R.T. -0.04 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Instrument :

BNA_N

ClientSampled :

A42C8DL

Tot Ion:252 Resp: 1920797

Ion Ratio Lower Upper

252 100

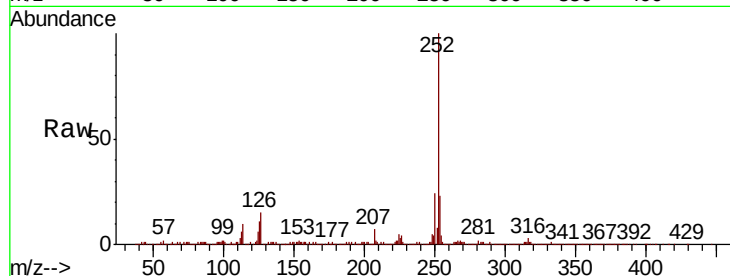
253 22.9 17.3 25.9

125 11.5 8.6 13.0

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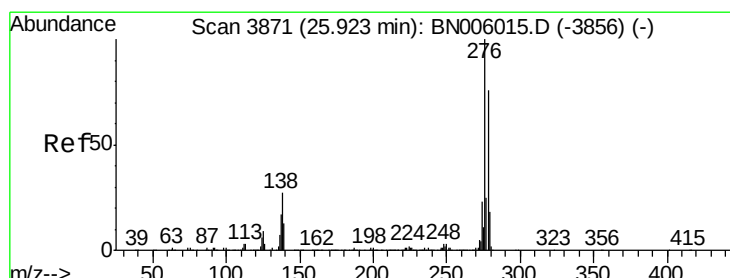
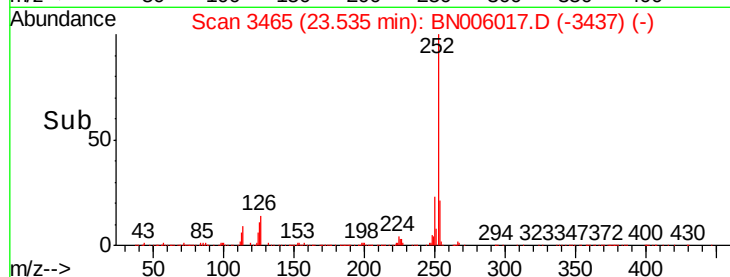
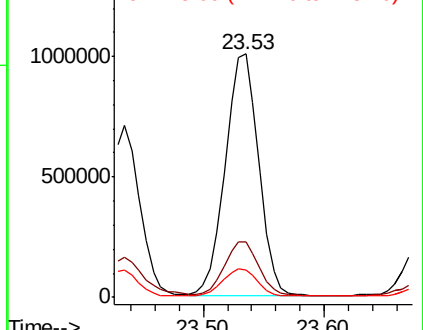


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 10.587 ng/ul

RT: 25.93 min Scan# 3872

Delta R.T. -0.06 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

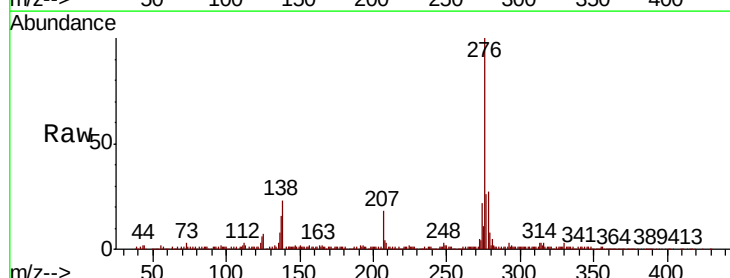
Tgt Ion:276 Resp: 1183838

Ion Ratio Lower Upper

276 100

138 23.4 17.9 26.9

277 25.8 19.7 29.5

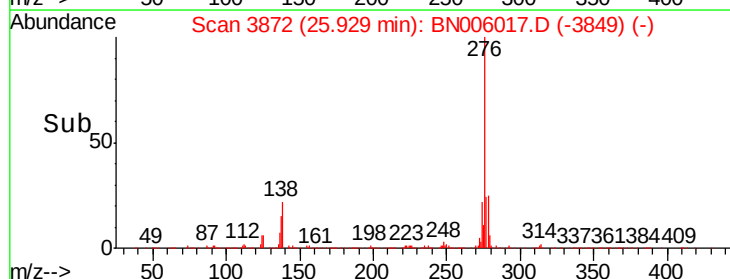
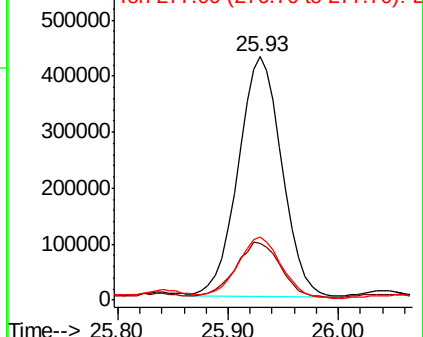


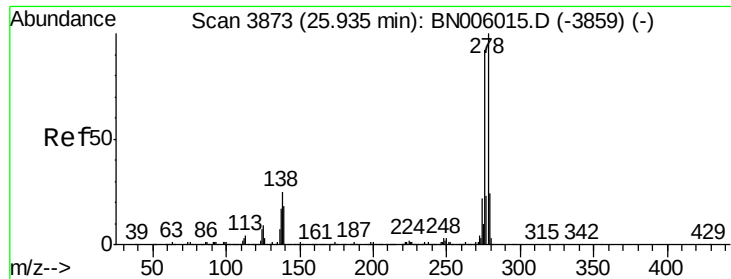
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.946 ng/ul

RT: 25.93 min Scan# 3872

Delta R.T. -0.07 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Instrument :

BNA_N

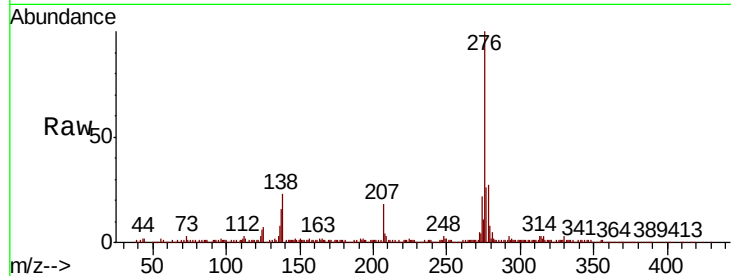
ClientSampleId :

A42C8DL

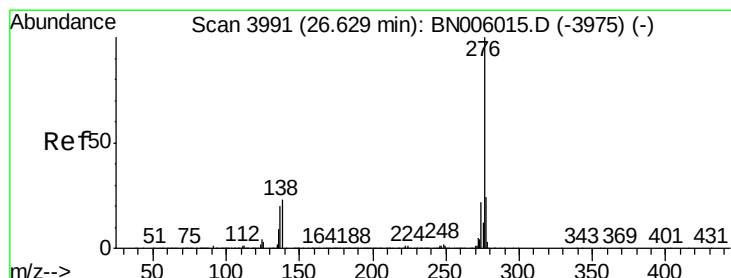
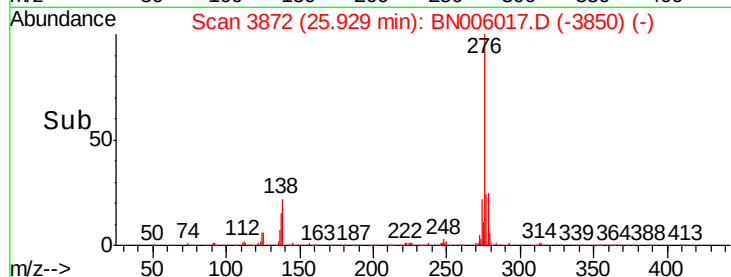
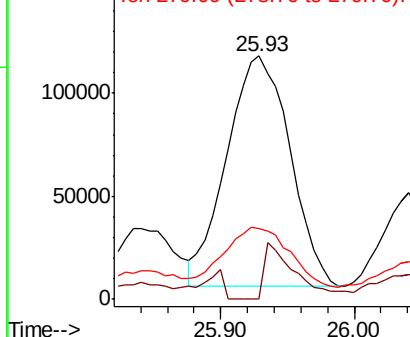
Tot Ion:	278	Resp:	367393
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	29.0	19.4	29.0

Manual Integrations
APPROVED

Sohil
6/4/2019 8:38:35 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 9.630 ng/ul

RT: 26.63 min Scan# 3992

Delta R.T. -0.06 min

Lab File: BN006017.D

Acq: 02 Jun 2019 06:06

Tgt Ion:	276	Resp:	906920
Ion Ratio	Lower	Upper	
276	100		
138	24.4	16.7	25.1
277	25.1	18.2	27.2

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

