

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070518\
 Data File : BN001977.D
 Acq On : 05 Jul 2018 20:52
 Operator : JU/SJ
 Sample : J3721-18DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 F1H03DL

Manual Integrations
 APPROVED

Sohil
 7/6/2018 5:19:50 PM

Quant Time: Jul 06 03:32:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	572890	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2646800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1542562	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3390781	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2865562	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2434426	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	6855	0.52	ng/uL	0.00
5) Phenol-d5	6.88	99	158272	3.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	99683	3.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	127075	3.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	120457	2.90	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	61343	3.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	64003	3.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	130136	3.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	72751	1.62	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	410879	3.15	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	512693	3.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	47913	2.00	ng/ul	0.00
57) Fluorene-d10	15.33	176	379196	3.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	37280	2.02	ng/ul	0.00
70) Anthracene-d10	17.18	188	556643	3.40	ng/ul	0.00
76) Pyrene-d10	19.48	212	582335	4.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	434165	3.28	ng/ul	0.00

Target Compounds

					Qvalue
44) Dimethylphthalate	13.80	163	169784	1.326	ng/ul# 99
47) Acenaphthylene	14.06	152	533864	3.439	ng/ul 99
69) Phenanthrene	17.13	178	1106965	5.795	ng/ul 100
71) Anthracene	17.22	178	1883248	9.740	ng/ul 98
72) Carbazole	17.49	167	870934	5.377	ng/ul 99
74) Fluoranthene	19.15	202	8557856	42.623	ng/ul# 89
77) Pyrene	19.52	202	8675763	48.380	ng/ul# 86
80) Benzo(a)anthracene	21.27	228	3602256	19.891	ng/ul 95
82) Chrysene	21.32	228	5416165	32.142	ng/ul 98
85) Benzo(b)fluoranthene	22.86	252	7809509	50.791	ng/ul# 93
86) Benzo(k)fluoranthene	22.89	252	2665927m	17.880	ng/ul
88) Benzo(a)pyrene	23.42	252	3379656	23.522	ng/ul# 95
89) Indeno(1,2,3-cd)pyrene	25.75	276	2277742	14.898	ng/ul# 91
90) Dibenzo(a,h)anthracene	25.75	278	593647	4.665	ng/ul# 89
91) Benzo(g,h,i)perylene	26.43	276	1617481	12.825	ng/ul# 91

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

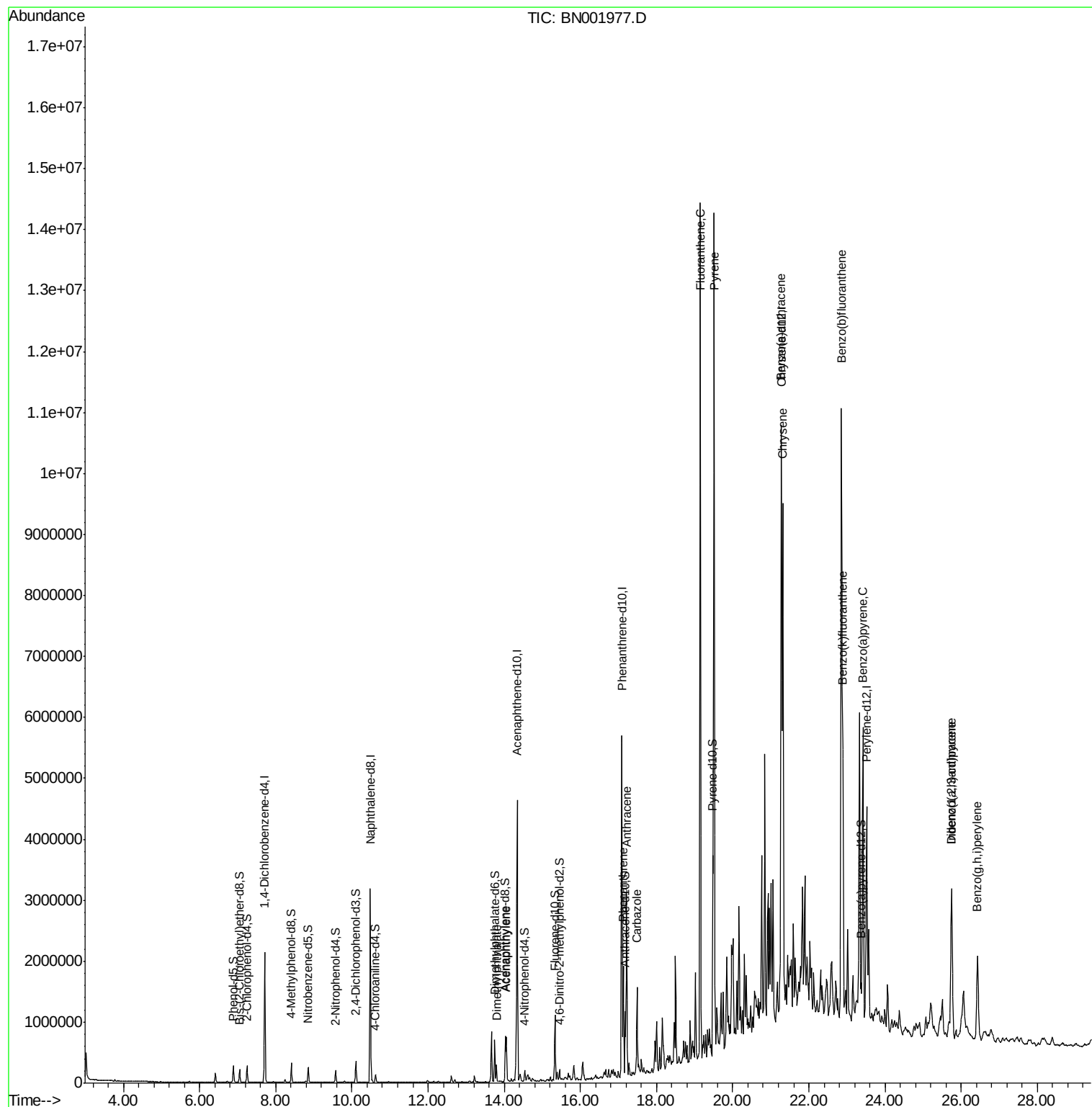
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070518\
Data File : BN001977.D
Acq On : 05 Jul 2018 20:52
Operator : JU/SJ
Sample : J3721-18DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

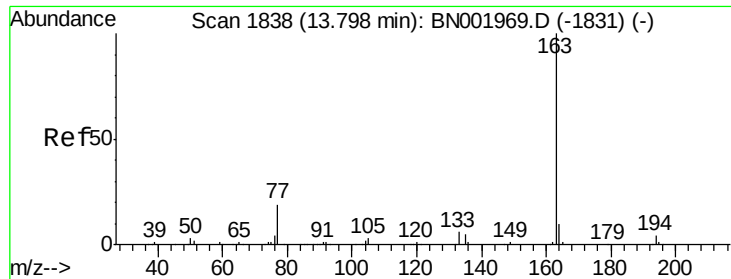
Instrument :
BNA_N
ClientSampled :
F1H03DL

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Quant Time: Jul 06 03:32:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.326 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Instrument :

BNA_N

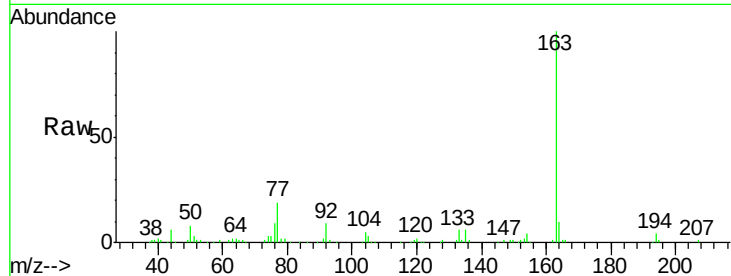
ClientSampleId :

F1H03DL

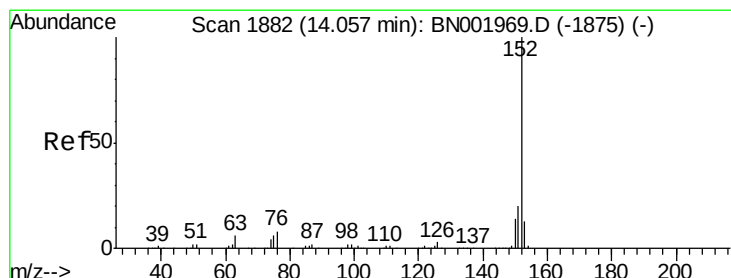
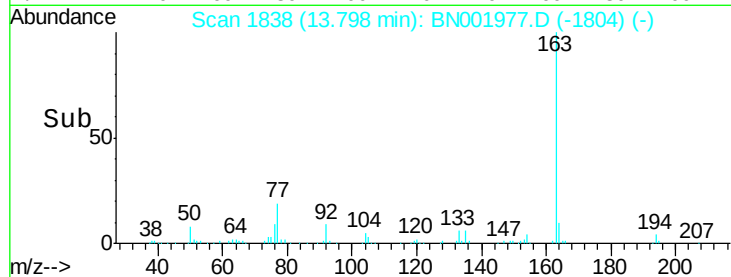
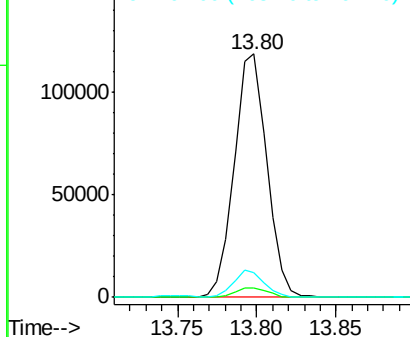
Tgt Ion:	163	Resp:	169784
Ion Ratio	Lower	Upper	
163	100		
194	3.8	4.0	6.0#
164	10.4	8.4	12.6

Manual Integrations
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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: 3.439 ng/ul

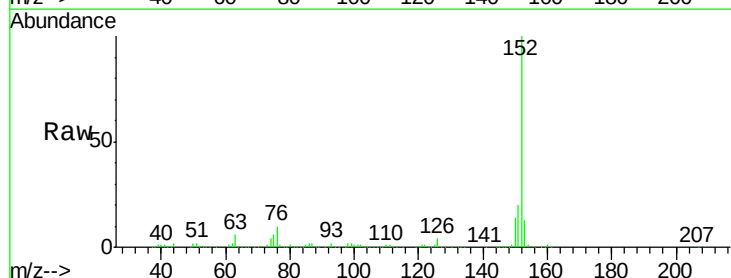
RT: 14.06 min Scan# 1882

Delta R.T. -0.00 min

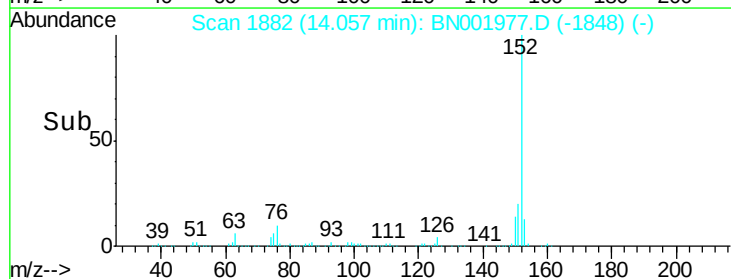
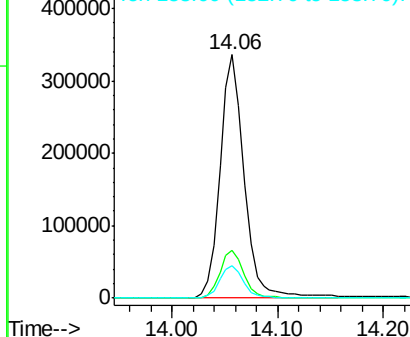
Lab File: BN001977.D

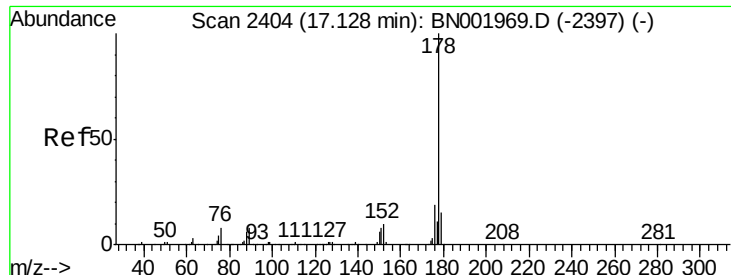
Acq: 05 Jul 2018 20:52

Tgt Ion:	152	Resp:	533864
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.1	24.1
153	13.2	10.8	16.2



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





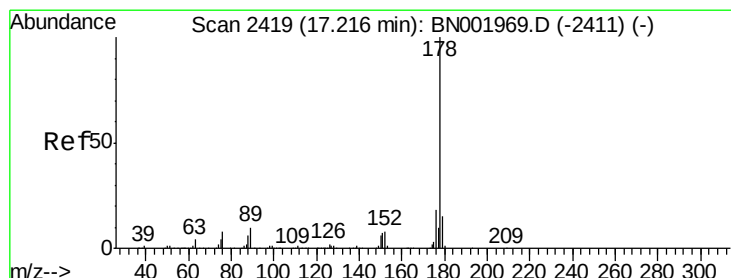
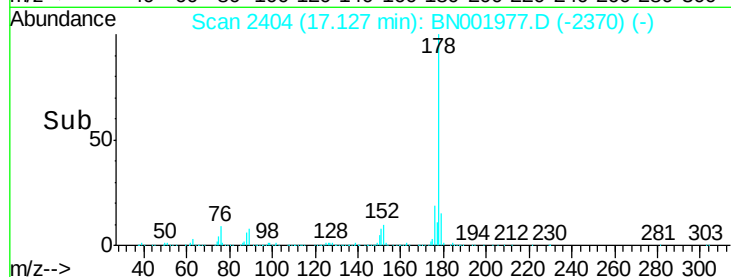
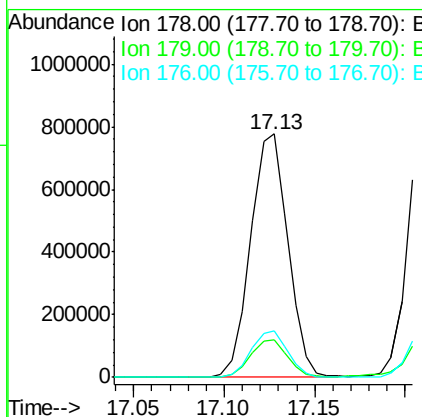
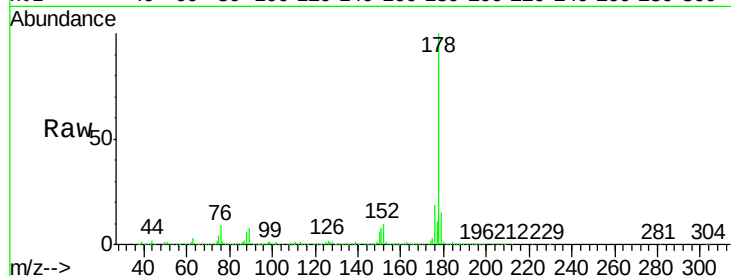
#69
Phenanthrene
Concen: 5.795 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. -0.00 min
Lab File: BN001977.D
Acq: 05 Jul 2018 20:52

Instrument :
BNA_N
ClientSampled :
F1H03DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.9	15.4	23.0

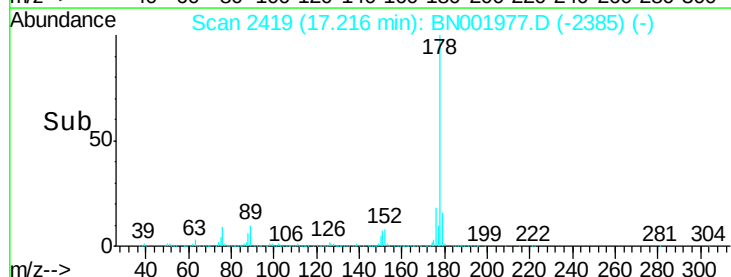
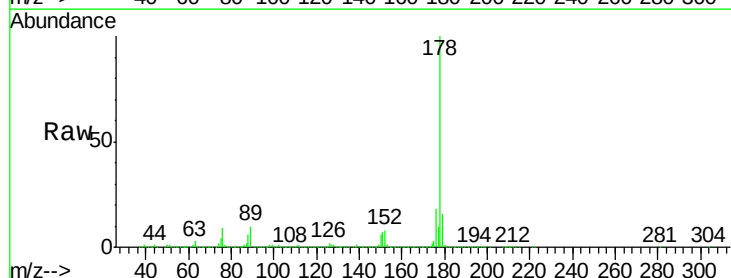
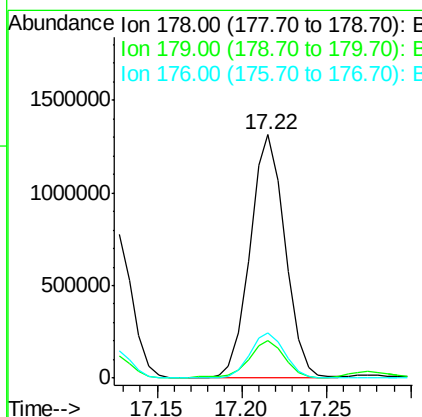
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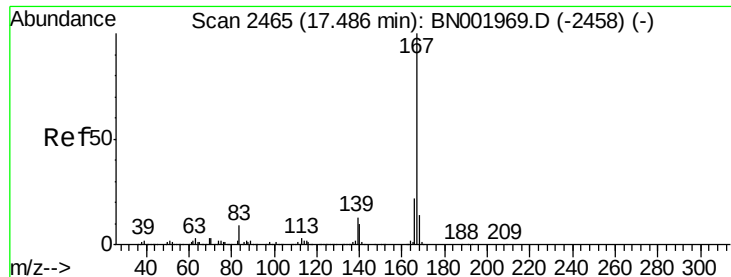
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#71
Anthracene
Concen: 9.740 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BN001977.D
Acq: 05 Jul 2018 20:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.5	15.4	23.0





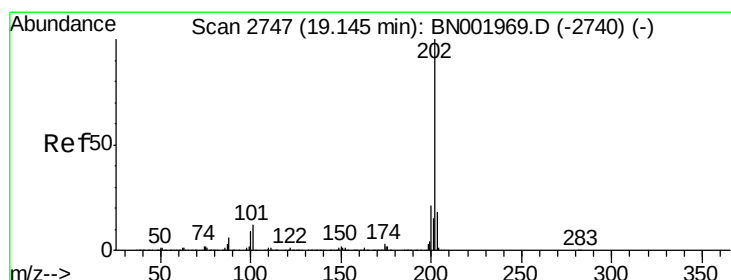
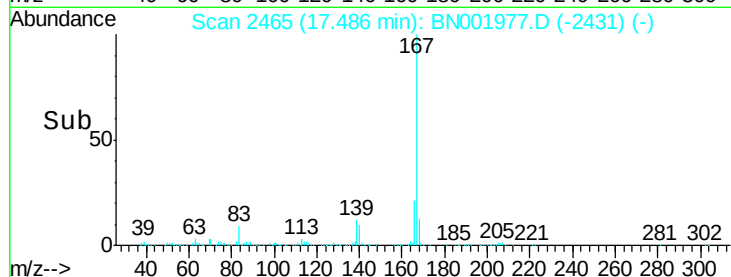
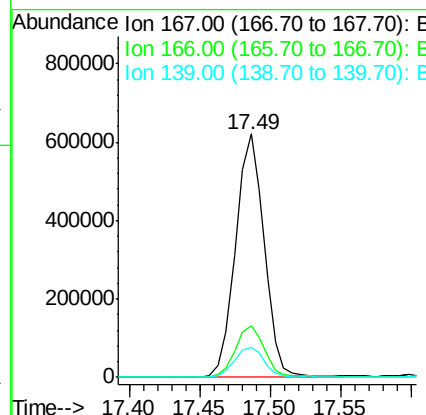
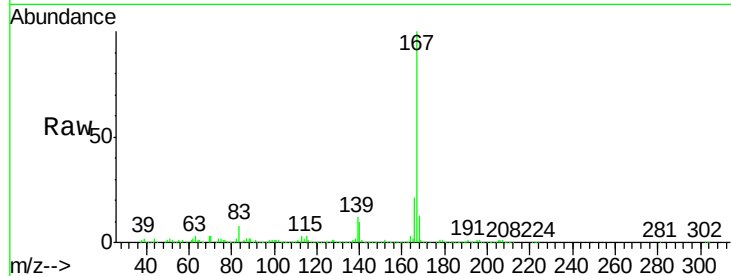
#72
 Carbazole
 Concen: 5.377 ng/ul
 RT: 17.49 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BN001977.D
 Acq: 05 Jul 2018 20:52

Instrument :
 BNA_N
 ClientSampleId :
 F1H03DL

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	870934		
166	21.2	17.0	25.4	
139	12.3	9.1	13.7	

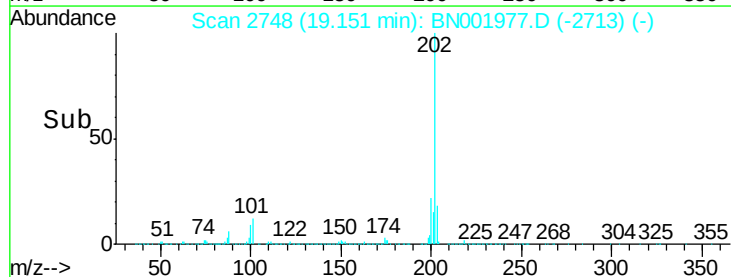
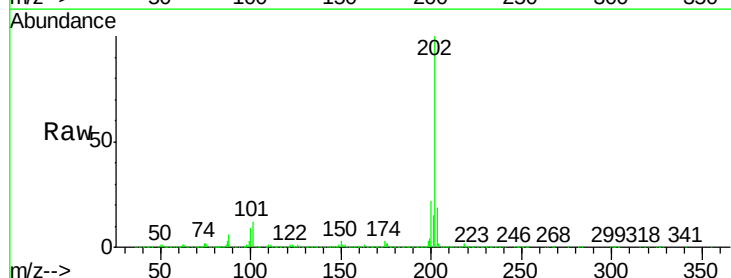
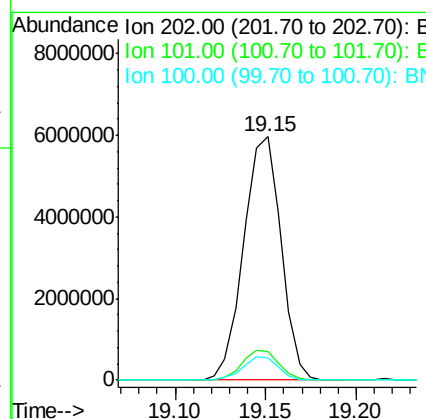
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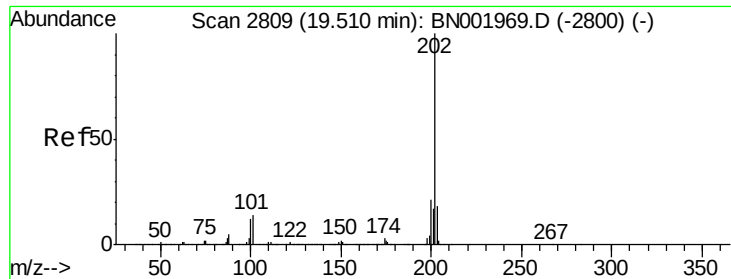
Sohil
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#74
 Fluoranthene
 Concen: 42.623 ng/ul
 RT: 19.15 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BN001977.D
 Acq: 05 Jul 2018 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8557856		
101	12.0	6.1	9.1#	
100	9.0	4.6	7.0#	





#77

Pyrene

Concen: 48.380 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Instrument :

BNA_N

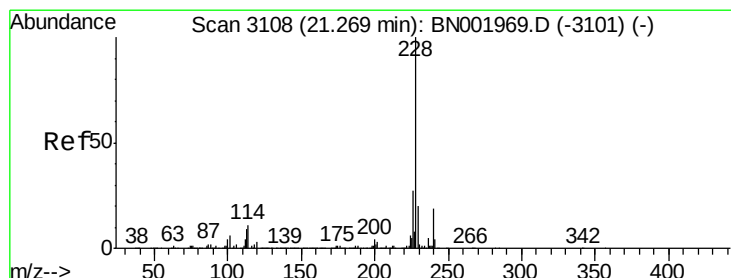
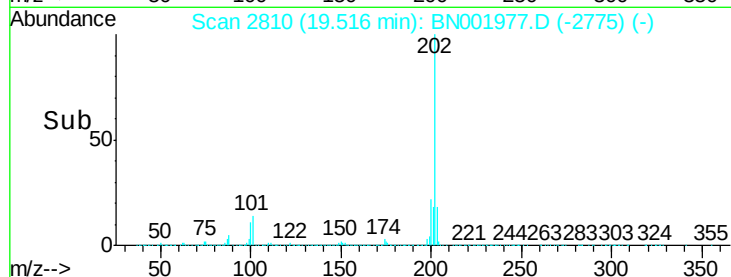
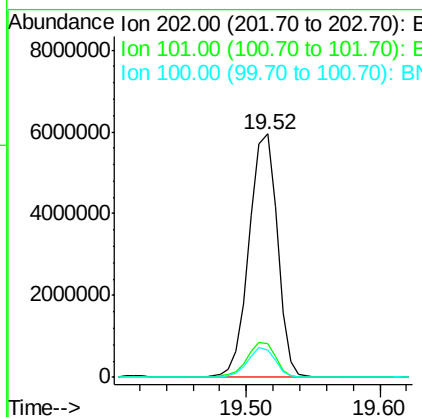
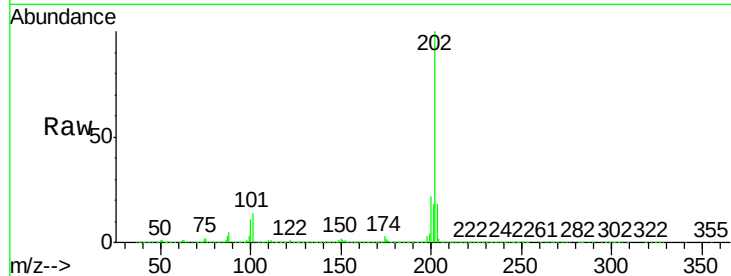
ClientSampleId :

F1H03DL

Tgt Ion:	202	Resp:	8675763
Ion Ratio	Lower	Upper	
202	100		
101	14.0	6.9	10.3#
100	11.3	5.6	8.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 19.891 ng/ul

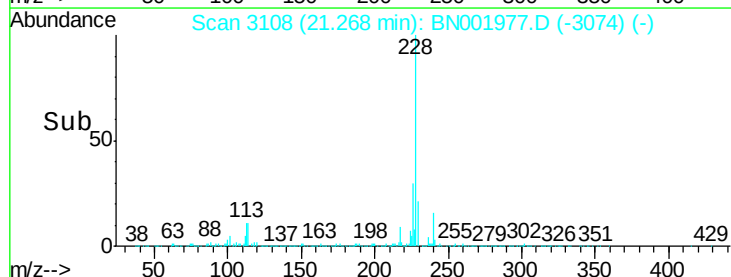
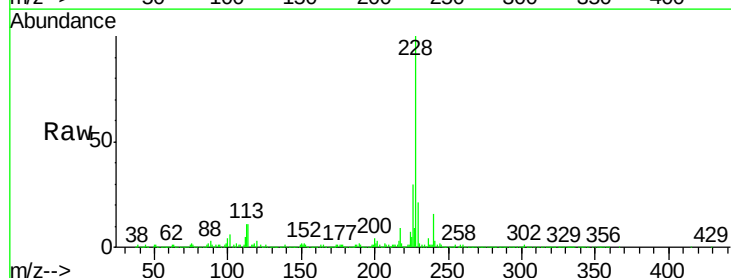
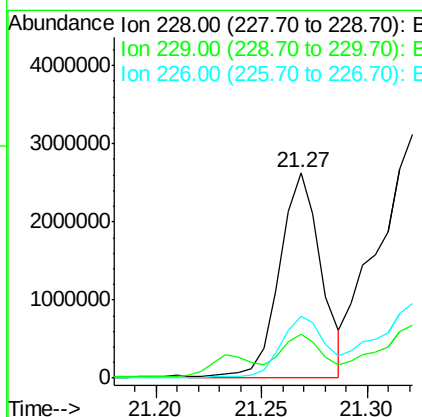
RT: 21.27 min Scan# 3108

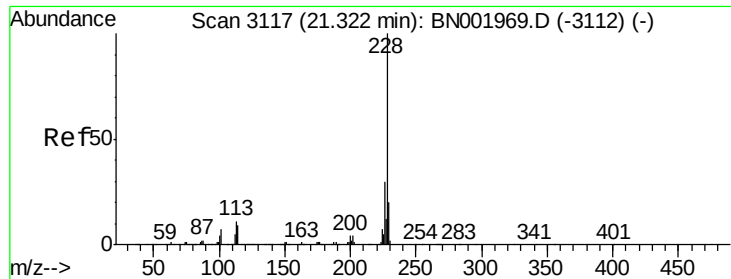
Delta R.T. -0.00 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Tgt Ion:	228	Resp:	3602256
Ion Ratio	Lower	Upper	
228	100		
229	21.4	16.0	24.0
226	30.2	21.8	32.8





#82

Chrysene

Concen: 32.142 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Instrument :

BNA_N

ClientSampleId :

F1H03DL

Tgt Ion:228 Resp: 5416165

Ion Ratio Lower Upper

228 100

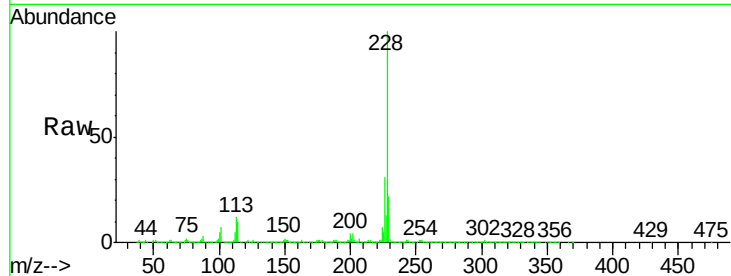
226 30.6 24.1 36.1

229 21.8 16.0 24.0

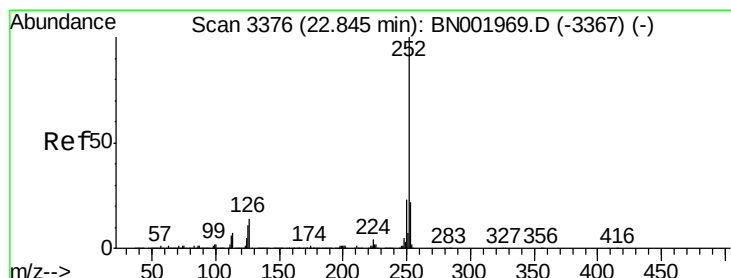
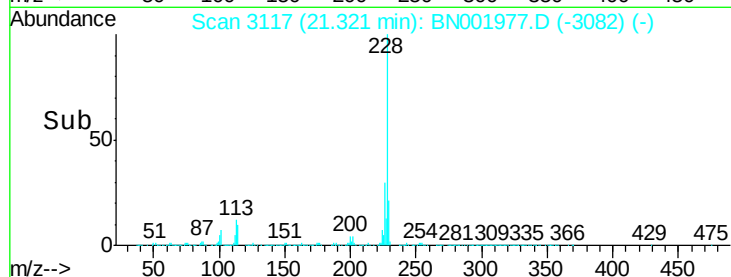
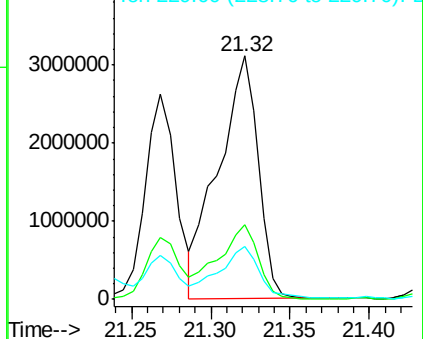
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 50.791 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.01 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Tgt Ion:252 Resp: 7809509

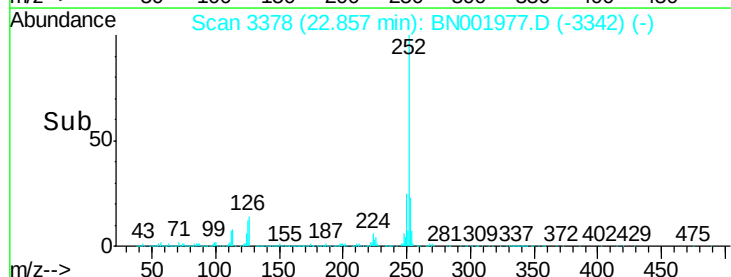
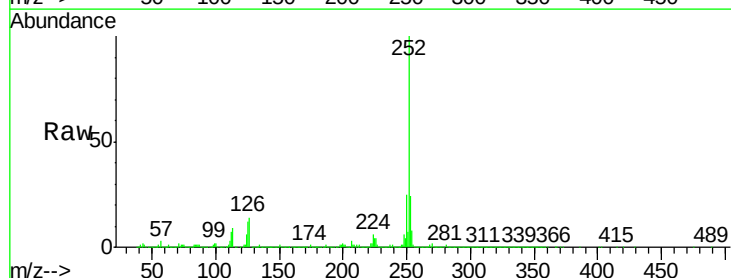
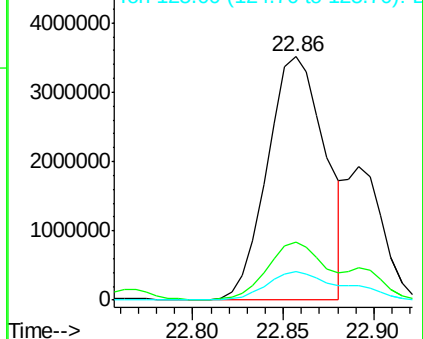
Ion Ratio Lower Upper

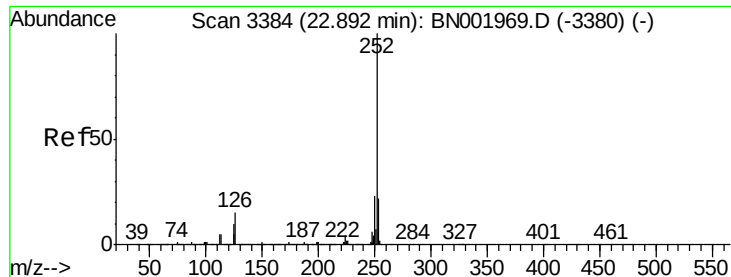
252 100

253 23.6 17.4 26.0

125 11.9 4.9 7.3#

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





#86

Benzo(k)fluoranthene

Concen: 17.880 ng/ul m

RT: 22.89 min Scan# 3384

Delta R.T. -0.00 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Instrument :

BNA_N

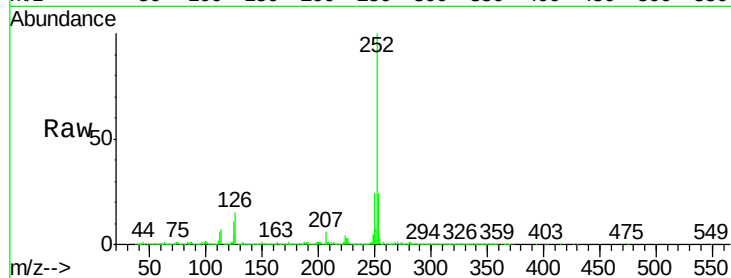
ClientSampled :

F1H03DL

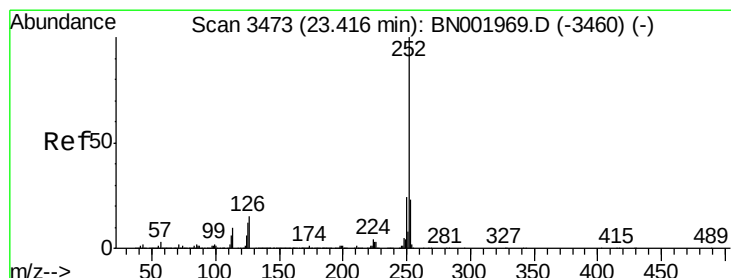
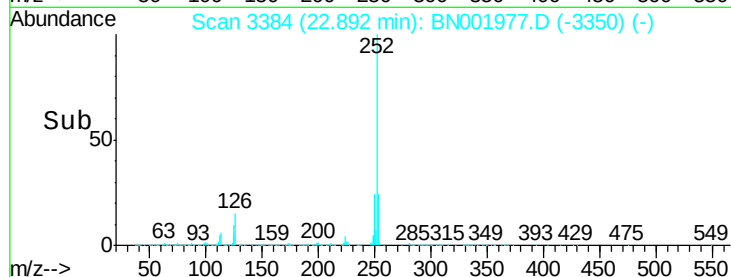
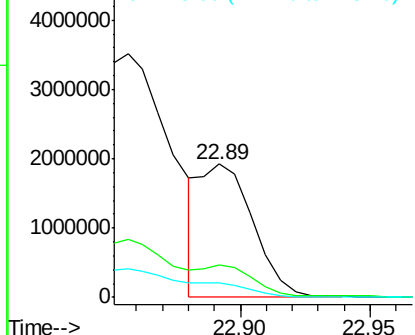
Tgt Ion:	252	Resp:	2665927
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	10.5	5.4	8.0#

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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



#88

Benzo(a)pyrene

Concen: 23.522 ng/ul

RT: 23.42 min Scan# 3474

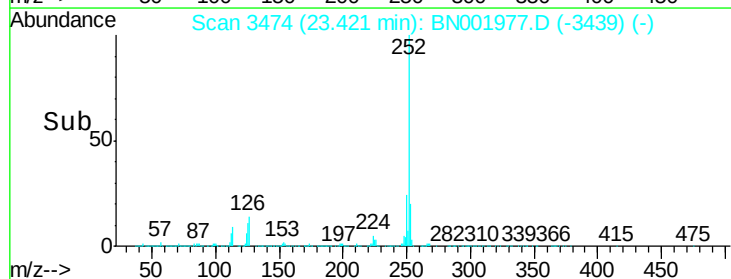
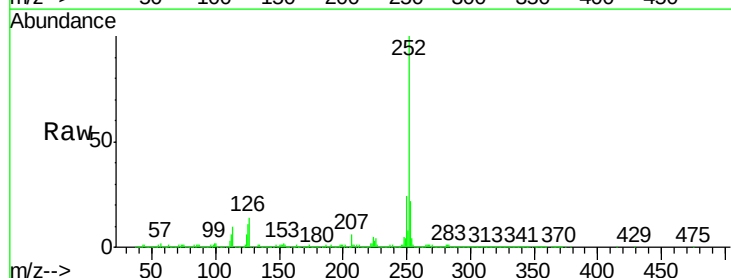
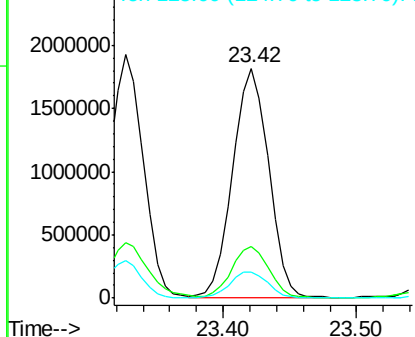
Delta R.T. 0.01 min

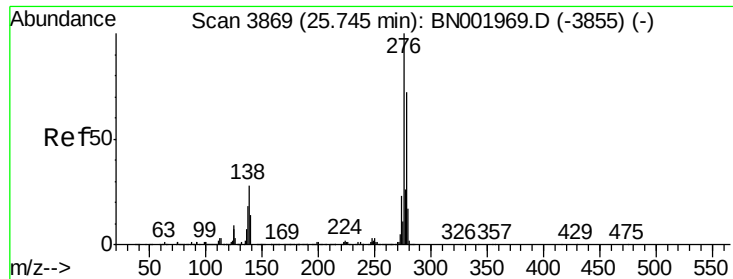
Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Tgt Ion:	252	Resp:	3379656
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.2	25.8
125	11.4	5.8	8.6#

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





#89

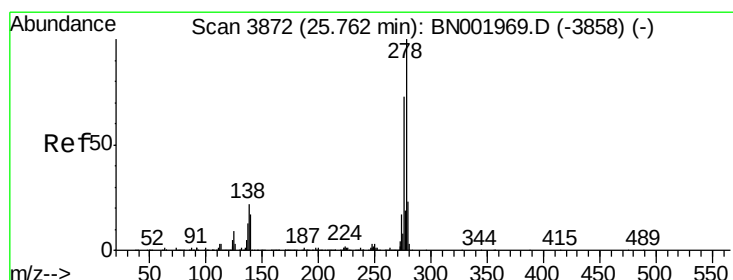
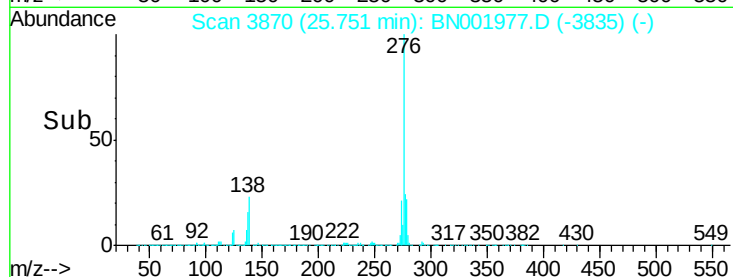
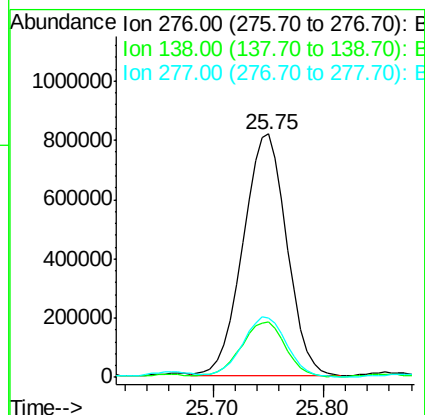
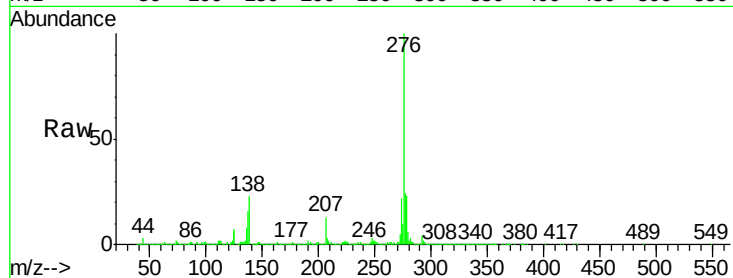
Indeno(1,2,3-cd)pyrene
Concen: 14.898 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. 0.01 min
Lab File: BN001977.D
Acq: 05 Jul 2018 20:52

Instrument :
BNA_N
ClientSampleId :
F1H03DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	10.9	16.3#
277	24.2	18.9	28.3

Manual Integrations
APPROVED

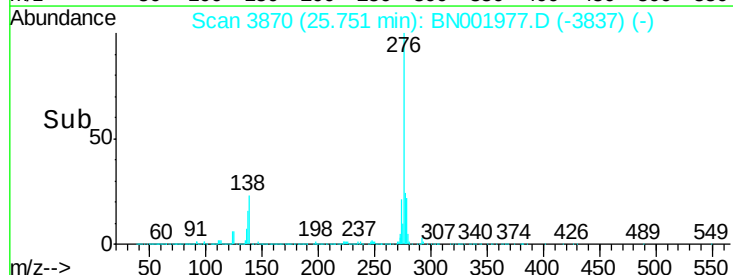
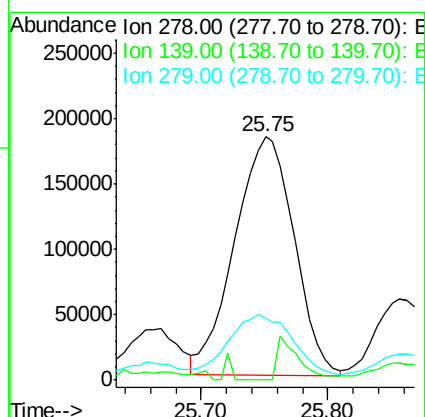
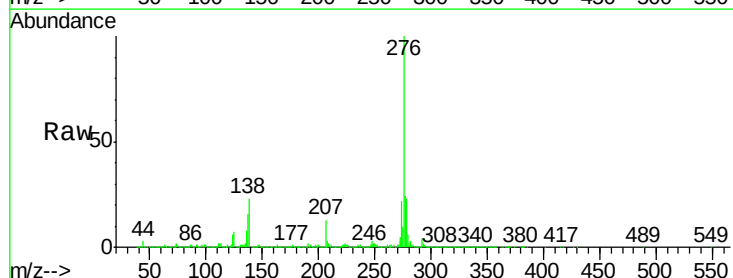
Sohil
7/6/2018 5:19:50 PM

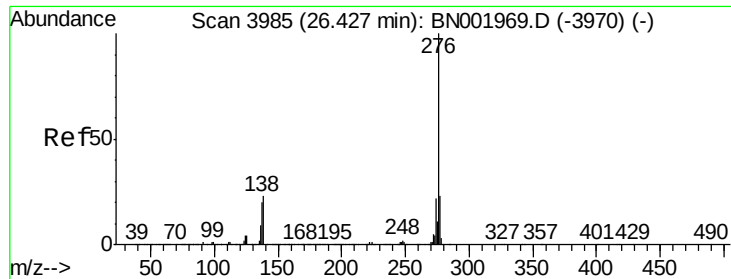


#90

Dibenzo(a,h)anthracene
Concen: 4.665 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BN001977.D
Acq: 05 Jul 2018 20:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	25.1	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 12.825 ng/ul

RT: 26.43 min Scan# 3985

Delta R.T. 0.01 min

Lab File: BN001977.D

Acq: 05 Jul 2018 20:52

Instrument :

BNA_N

ClientSampleId :

F1H03DL

Tgt Ion: 276 Resp: 1617481

Ion Ratio Lower Upper

276 100

138 23.2 11.2 16.8#

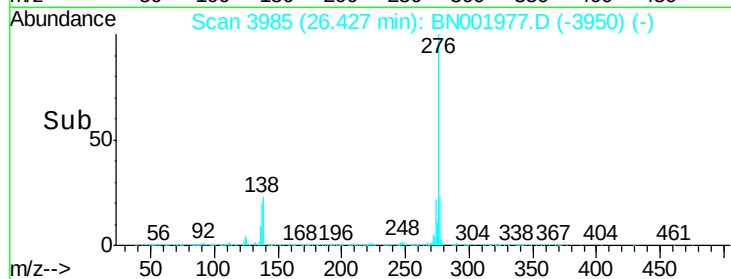
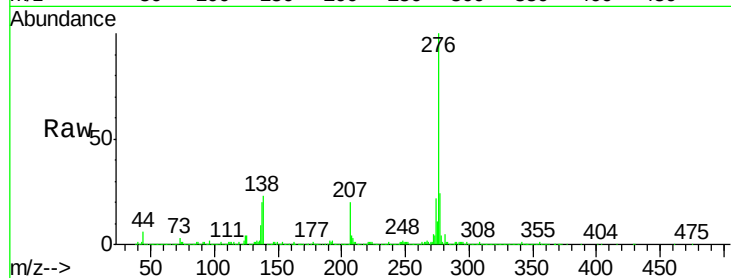
277 23.6 19.0 28.6

Manual Integrations

APPROVED

Sohil

7/6/2018 5:19:50 PM



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

