

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091218\
 Data File : BN002665.D
 Acq On : 12 Sep 2018 21:13
 Operator : JU/SJ
 Sample : J4792-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3YZ3

Manual Integrations
 APPROVED

Sohil
 9/13/2018 5:41:20 PM

Quant Time: Sep 13 07:12:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 13 05:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	176768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	783015	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	433652	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	852891	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	602112	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	623827	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	13933	3.72	ng/uL	0.00
5) Phenol-d5	6.85	99	307424	18.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	204281	20.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	257345	20.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	225953	17.44	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	131168	21.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	137345	20.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	245596	20.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	299682	23.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	810676	22.55	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1003323	22.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	11322m	1.67	ng/ul	0.03
57) Fluorene-d10	15.29	176	693371	22.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	9245	1.70	ng/ul	0.01
70) Anthracene-d10	17.14	188	949550	23.30	ng/ul	0.00
78) Pyrene-d10	19.44	212	851773	29.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	775163	23.76	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.88	94	16522	1.001	ng/ul# 75
28) Naphthalene	10.48	128	45379	1.126	ng/ul 98
44) Dimethylphthalate	13.75	163	464435	13.173	ng/ul 99
49) Acenaphthene	14.36	153	51123	1.726	ng/ul 97
53) Dibenzofuran	14.70	168	55198	1.321	ng/ul 100
58) Fluorene	15.35	166	61500	1.799	ng/ul 99
69) Phenanthrene	17.09	178	859818	18.287	ng/ul 99
71) Anthracene	17.17	178	208591	4.374	ng/ul 99
74) Carbazole	17.45	167	77644	1.836	ng/ul 99
76) Fluoranthene	19.11	202	1023982	19.135	ng/ul 100
79) Pyrene	19.47	202	821910	22.639	ng/ul 99
80) Butylbenzylphthalate	20.38	149	17628	1.146	ng/ul# 83
82) Benzo(a)anthracene	21.23	228	335799	9.103	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.16	149	92813	4.022	ng/ul# 94
84) Chrysene	21.28	228	291283	8.343	ng/ul 96
87) Benzo(b)fluoranthene	22.80	252	368027	9.842	ng/ul# 94
88) Benzo(k)fluoranthene	22.84	252	97685m	2.773	ng/ul
90) Benzo(a)pyrene	23.37	252	253413	7.114	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.67	276	162520	3.835	ng/ul 94
92) Dibenz(a,h)anthracene	25.68	278	44908	1.268	ng/ul# 88
93) Benzo(a,h,i)perylene	26.35	276	143216	4.050	ng/ul 97

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
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Quant Time: Sep 13 07:12:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 13 05:59:25 2018
Response via : Initial Calibration

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

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

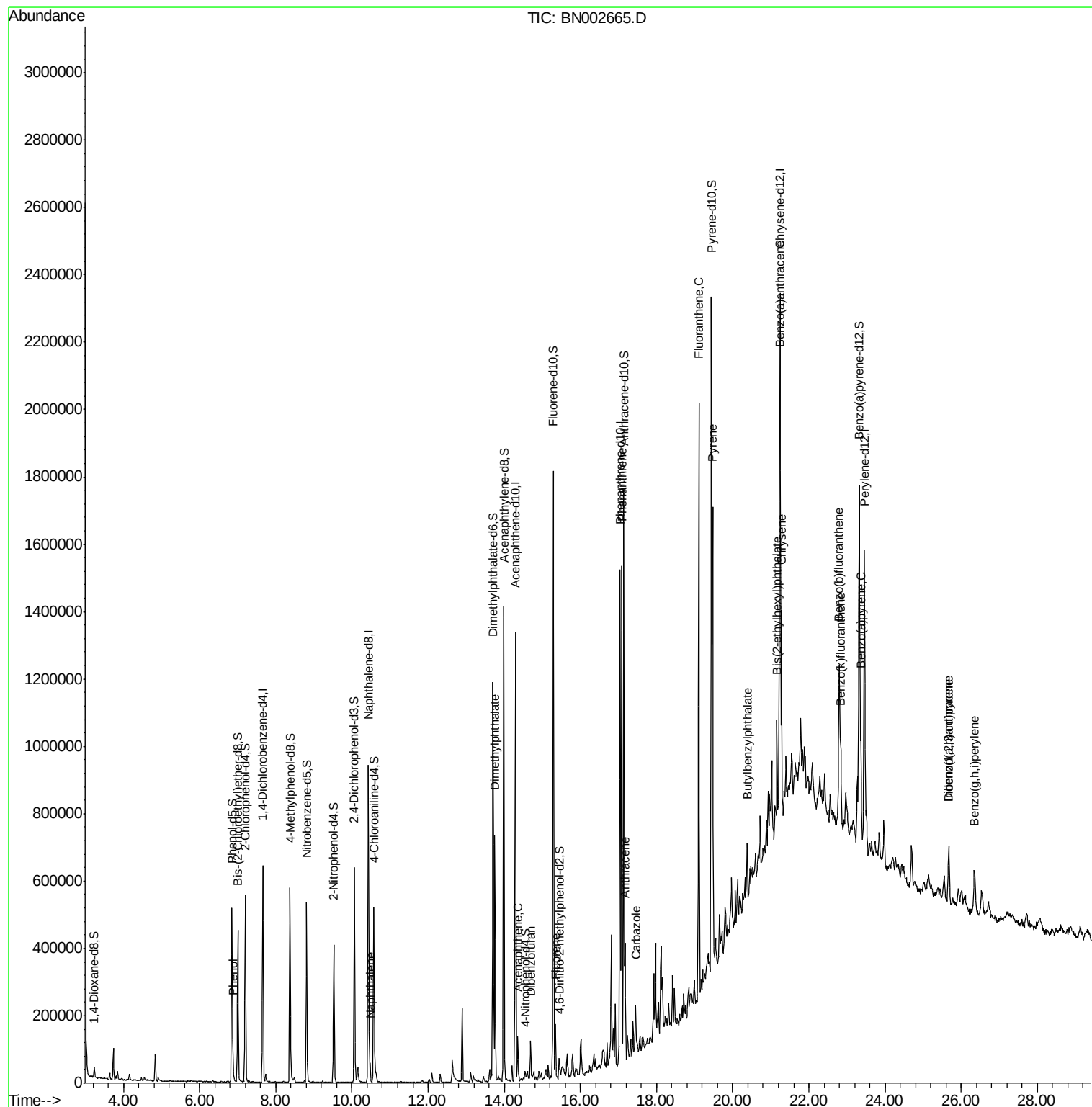
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091218\
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 Operator : JU/SJ
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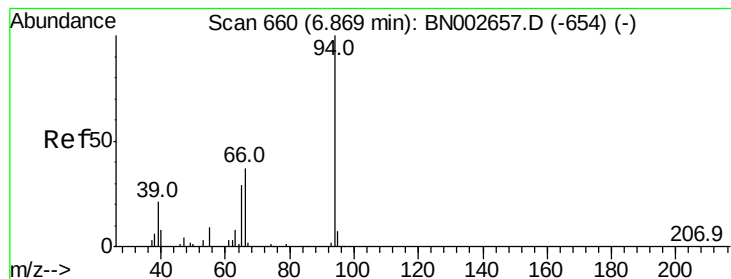
Instrument :
 BNA_N
 ClientSampled :
 A3YZ3

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#6

Phenol

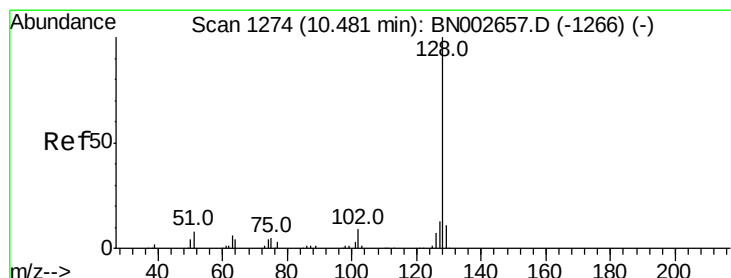
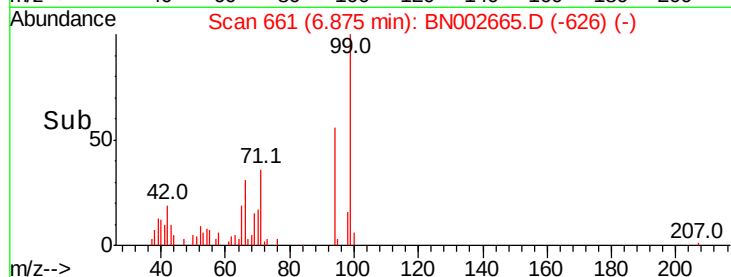
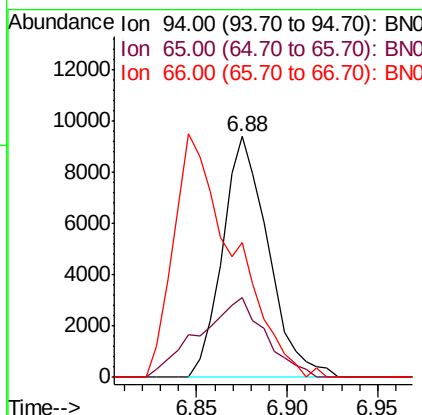
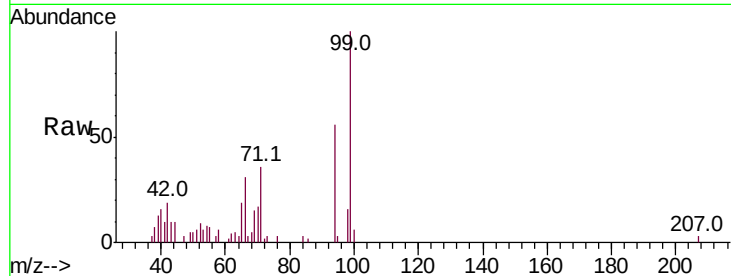
Concen: 1.001 ng/ul
 RT: 6.88 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Instrument :
 BNA_N
 ClientSampleId :
 A3YZ3

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.3	21.0	31.6#
66	56.1	29.3	43.9#

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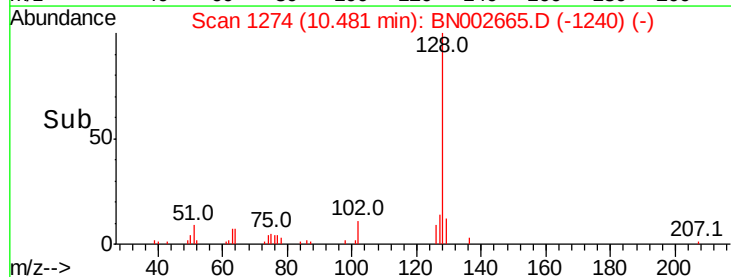
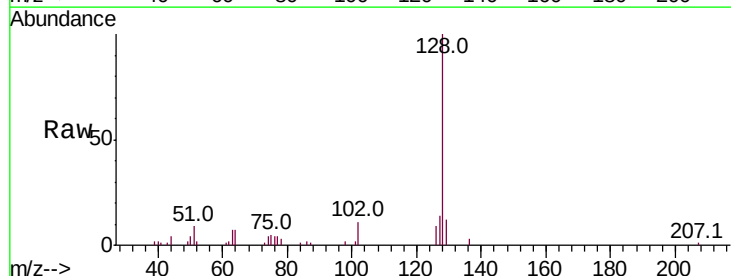
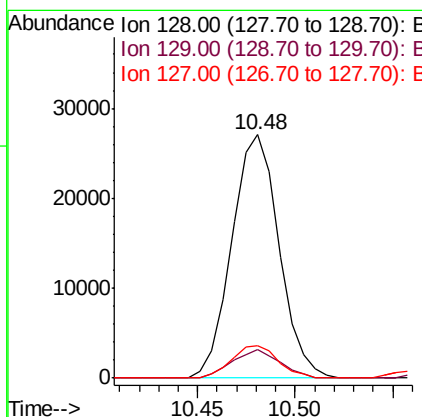


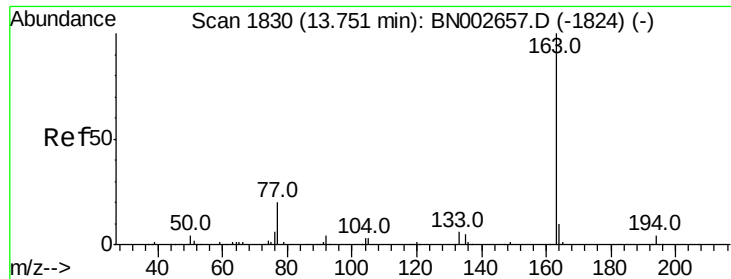
#28

Naphthalene

Concen: 1.126 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.5	10.5	15.7





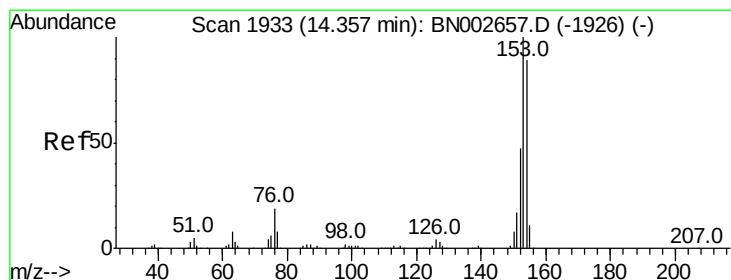
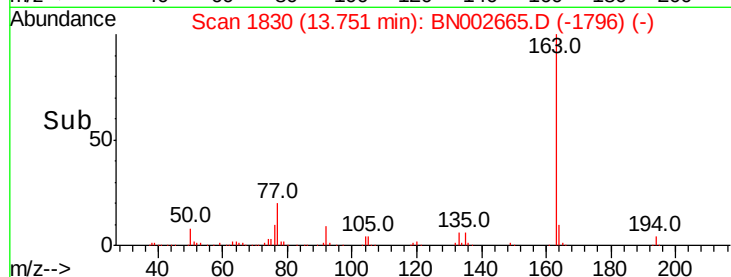
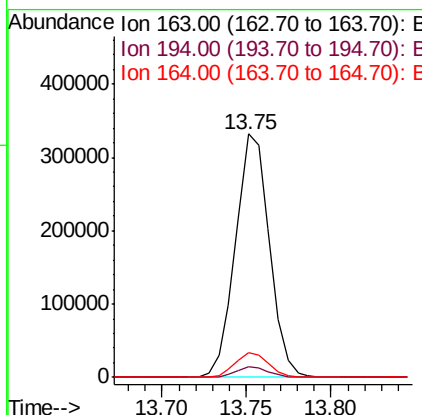
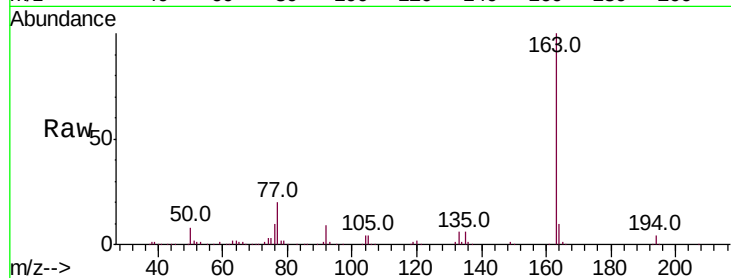
#44
Dimethylphthalate
Concen: 13.173 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampleId :
A3YZ3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	464435		
194	4.2		3.2	4.8
164	10.2		7.8	11.8

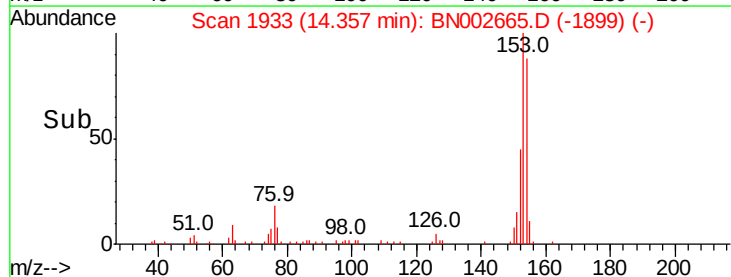
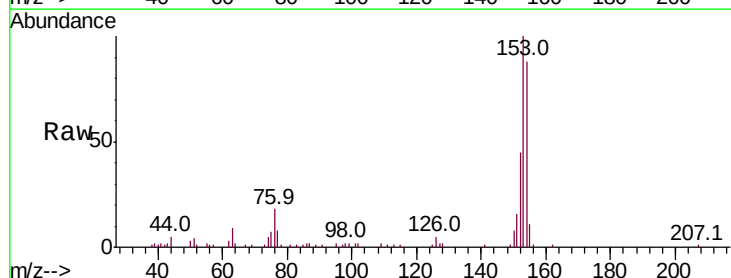
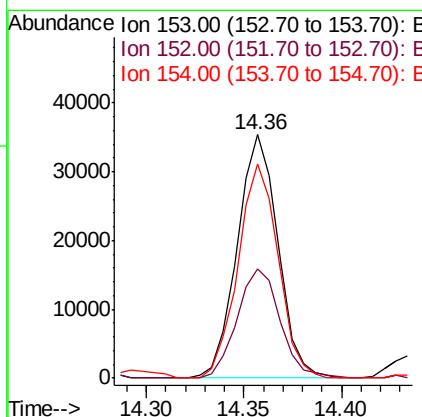
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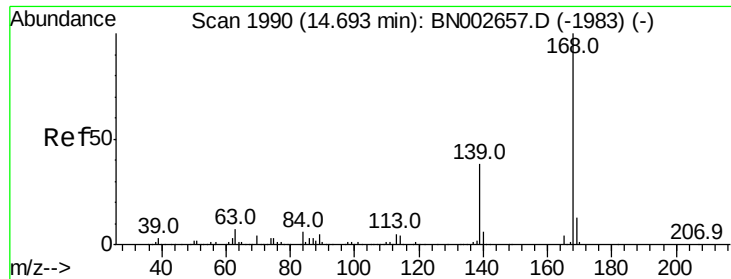
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#49
Acenaphthene
Concen: 1.726 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	51123		
152	44.8		38.3	57.5
154	88.1		71.8	107.8





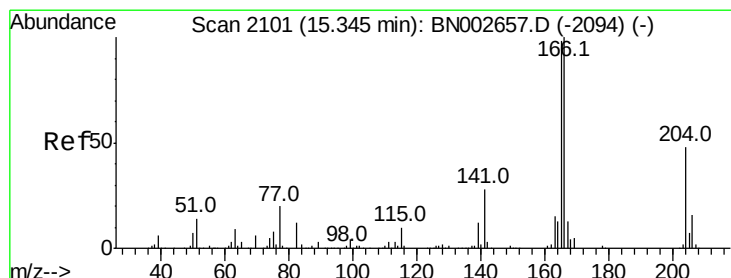
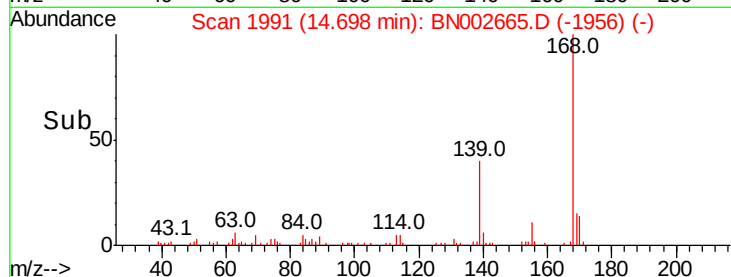
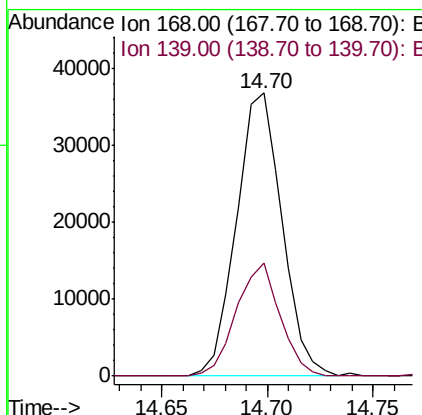
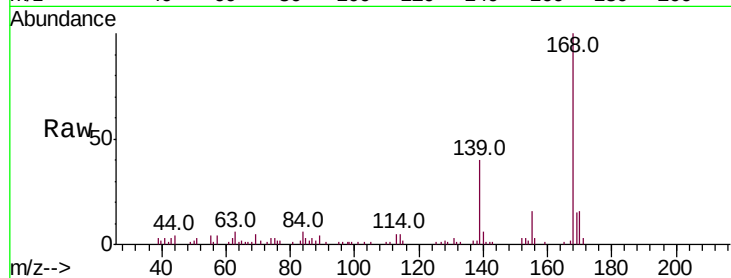
#53
Dibenzenofuran
Concen: 1.321 ng/ul
RT: 14.70 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampleId :
A3YZ3

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	32.2	48.2

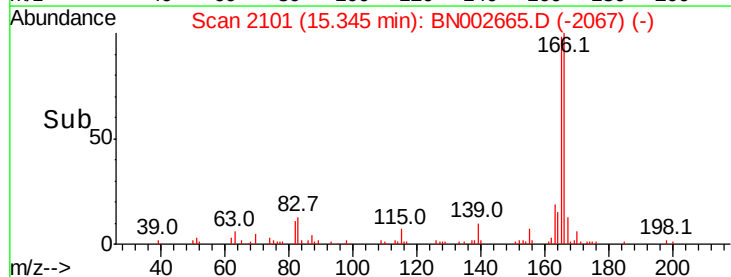
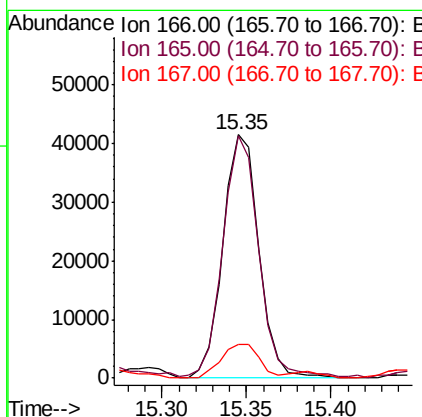
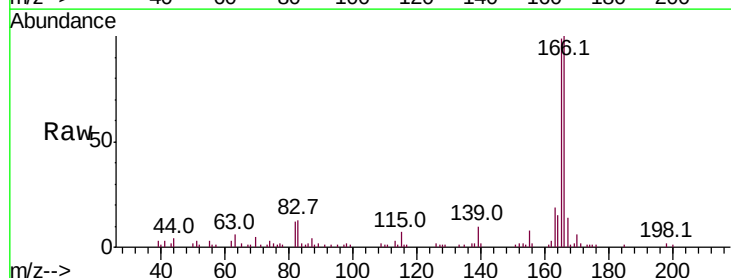
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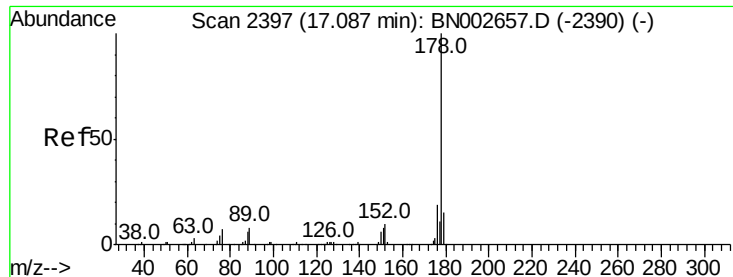
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#58
Fluorene
Concen: 1.799 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.5	117.7
167	13.9	10.7	16.1





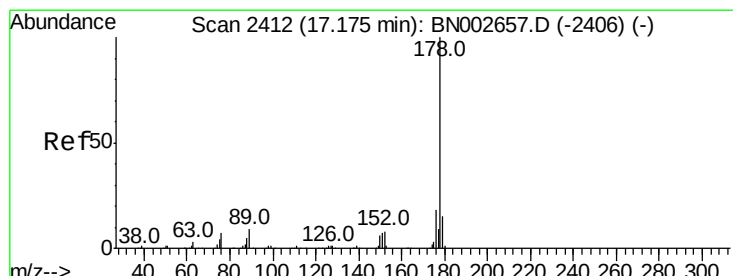
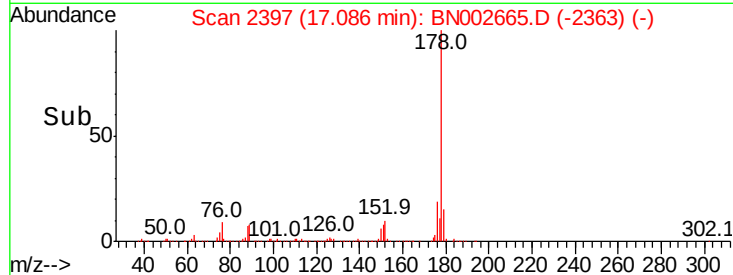
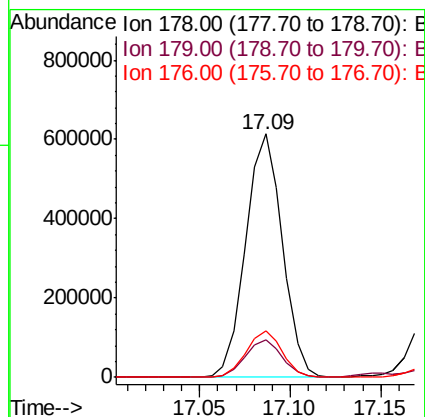
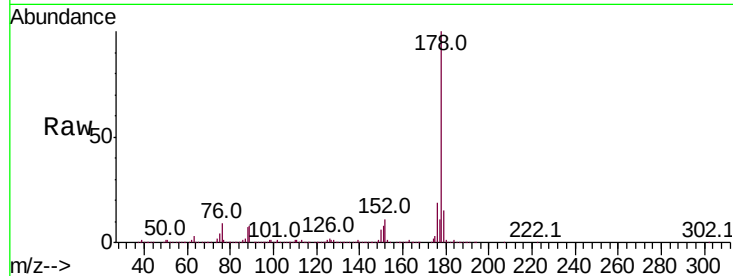
#69
 Phenanthrene
 Concen: 18.287 ng/ul
 RT: 17.09 min Scan# 2397
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Instrument :
 BNA_N
 ClientSampleId :
 A3YZ3

Tot Ion:178	Resp:	859818
Ion Ratio	Lower	Upper
178	100	
179	15.5	12.2 18.4
176	19.0	15.6 23.4

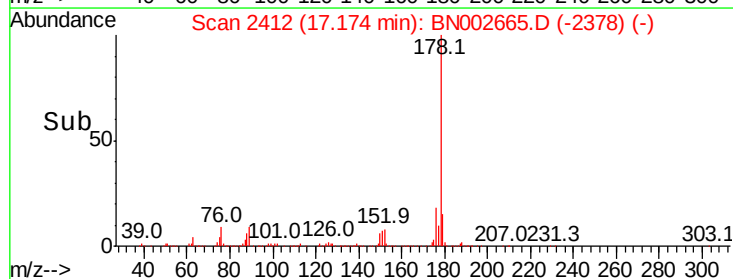
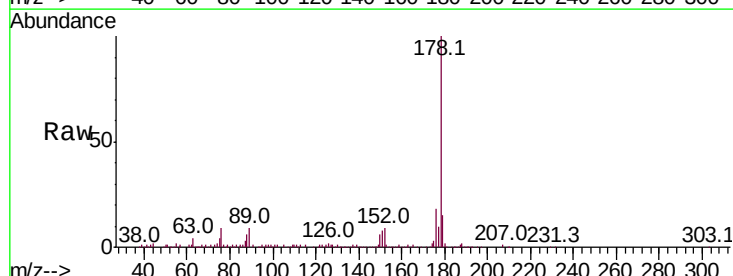
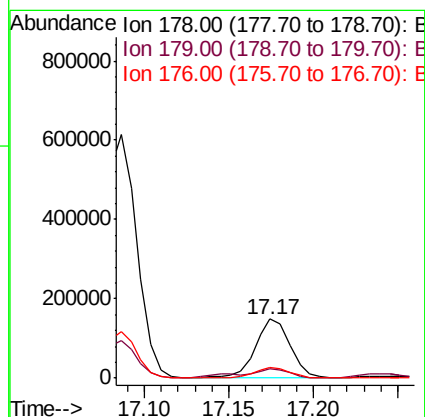
Manual Integrations
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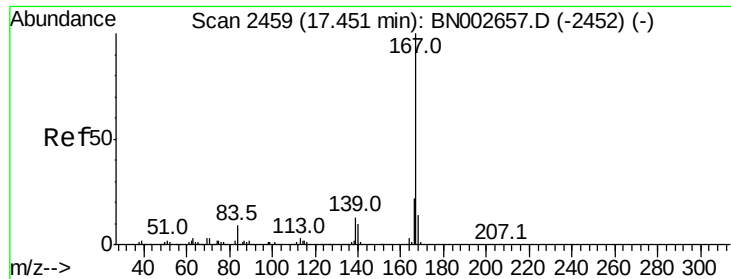
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#71
 Anthracene
 Concen: 4.374 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Tgt Ion:178	Resp:	208591
Ion Ratio	Lower	Upper
178	100	
179	15.1	12.1 18.1
176	18.0	14.8 22.2





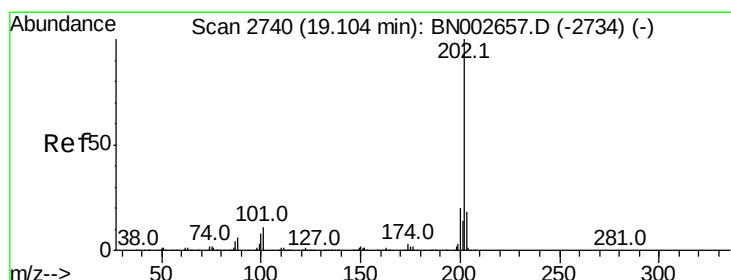
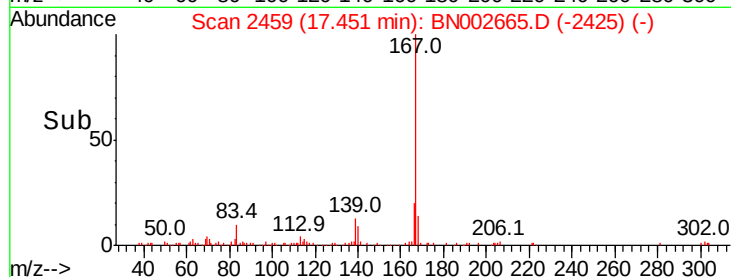
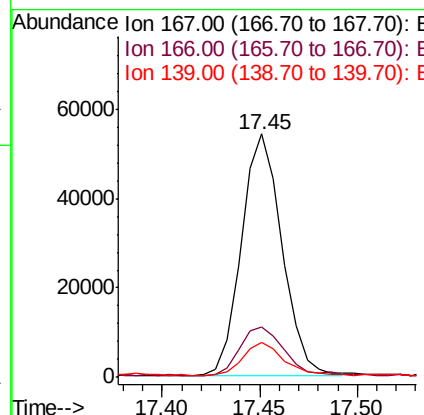
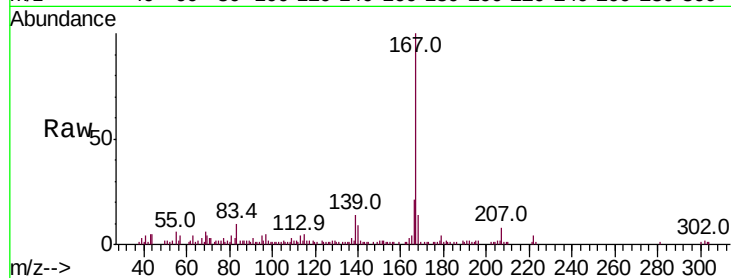
#74
 Carbazole
 Concen: 1.836 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Instrument :
 BNA_N
 ClientSampleId :
 A3YZ3

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.6
139	14.4	11.0	16.4

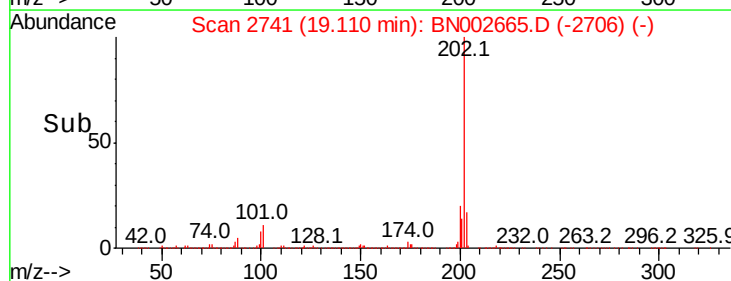
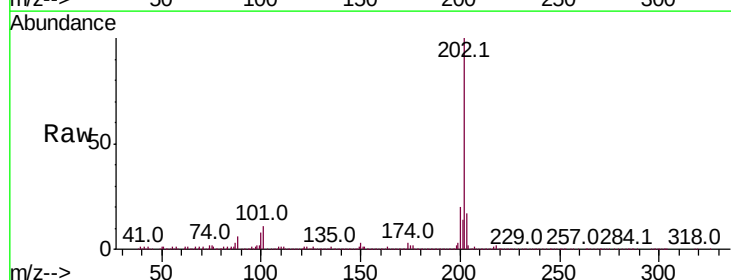
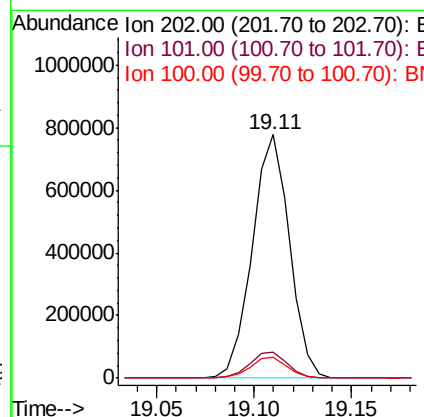
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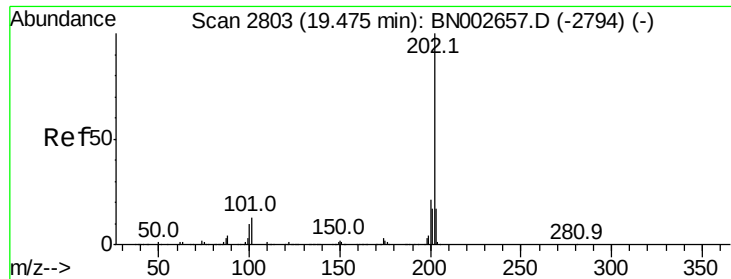
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#76
 Fluoranthene
 Concen: 19.135 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. 0.01 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
100	8.4	6.6	9.8





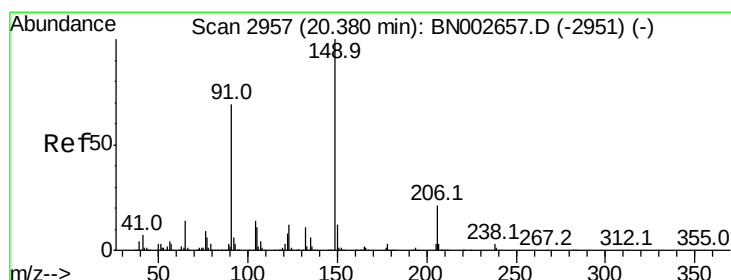
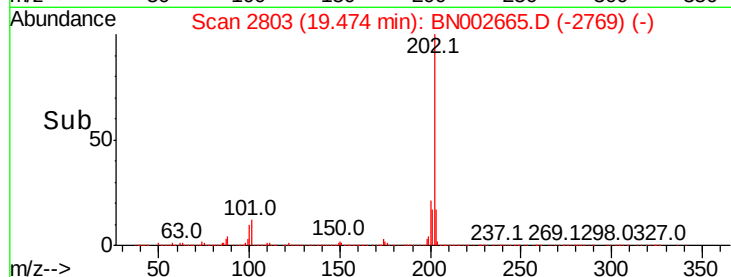
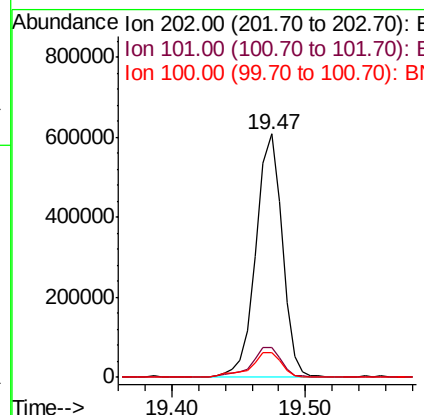
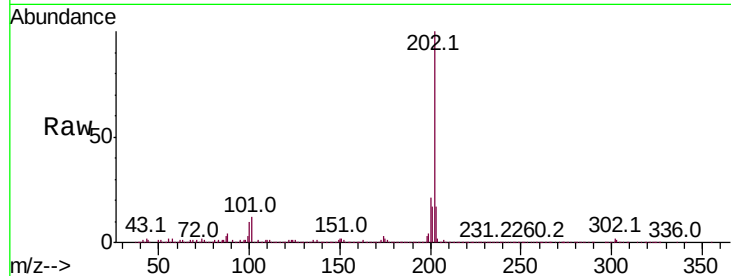
#79
Pvrene
Concen: 22.639 ng/ul
RT: 19.47 min Scan# 2803
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampleId :
A3YZ3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	10.2	15.2
100	10.2	8.5	12.7

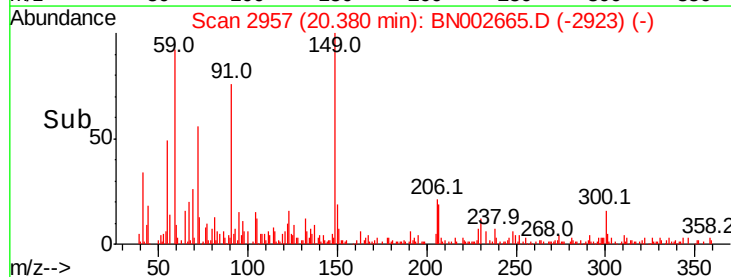
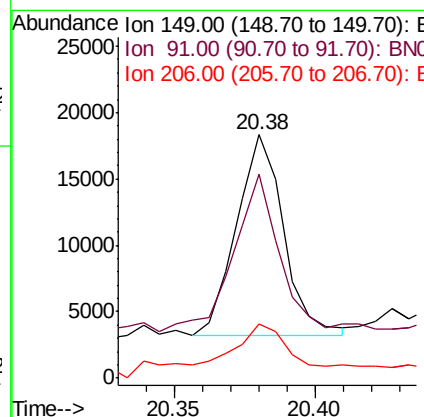
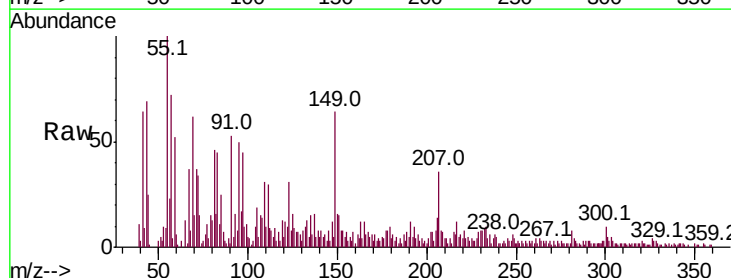
Manual Integrations
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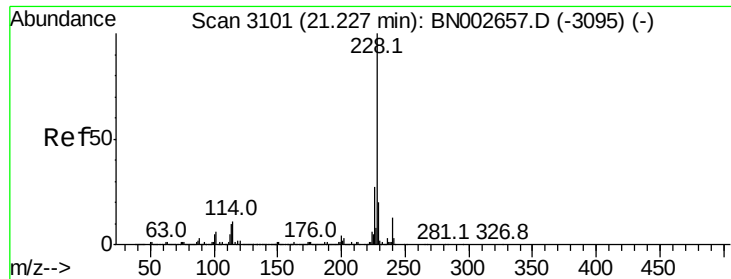
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#80
Butylbenzylphthalate
Concen: 1.146 ng/ul
RT: 20.38 min Scan# 2957
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	84.0	53.4	80.2#
206	22.5	16.6	24.8





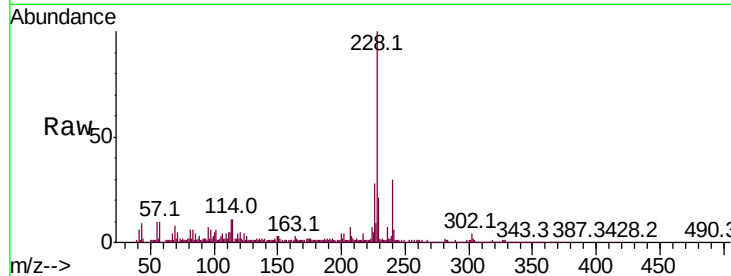
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 Benzo(a)anthracene
 Concen: 9.103 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Instrument :
 BNA_N
 ClientSampleId :
 A3YZ3

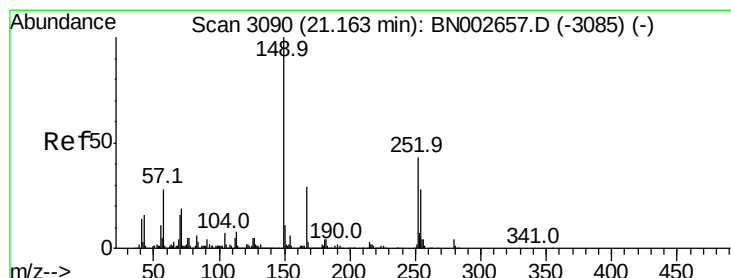
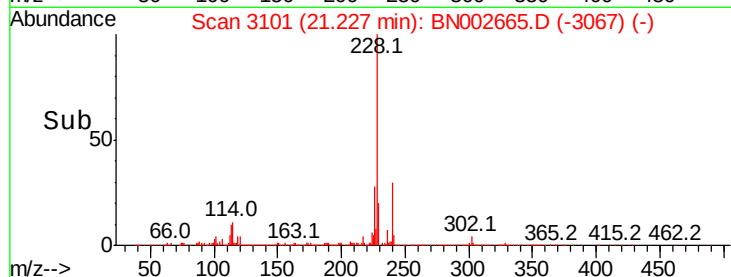
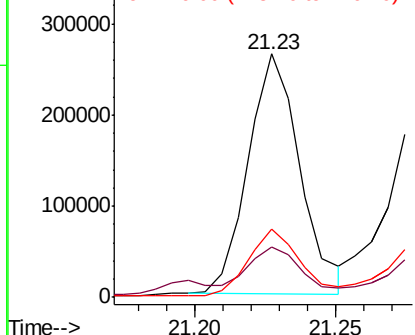
Tot Ion:	228	Resp:	335799
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.7	23.5
226	28.0	21.8	32.6

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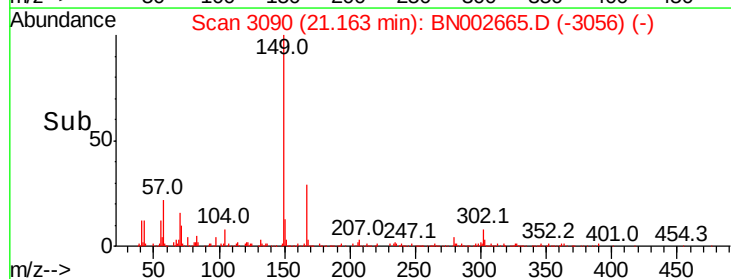
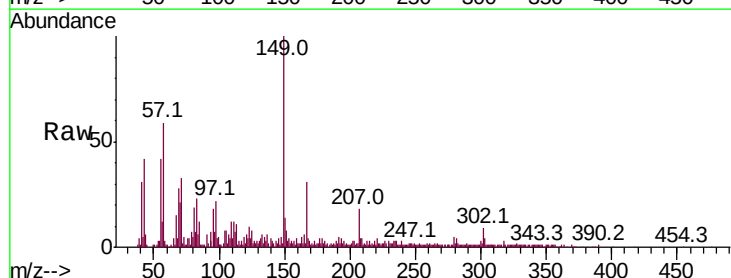
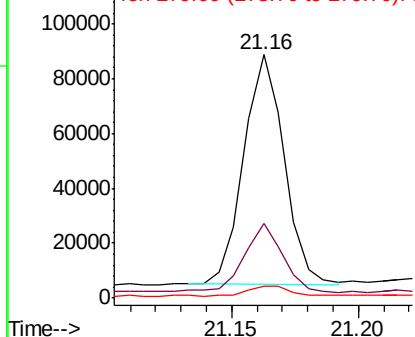
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E

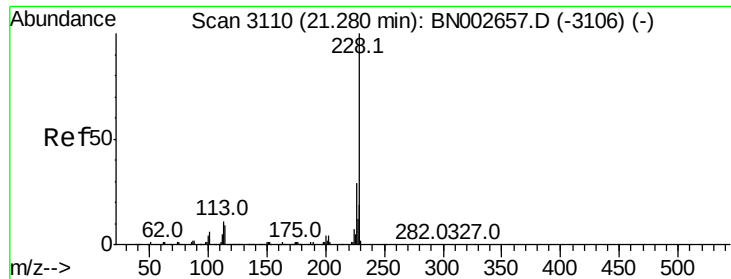


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.022 ng/ul
 RT: 21.16 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BN002665.D
 Acq: 12 Sep 2018 21:13

Tgt Ion:	149	Resp:	92813
Ion Ratio	Lower	Upper	
149	100		
167	30.5	21.6	32.4
279	4.9	3.0	4.4#

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: 8.343 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

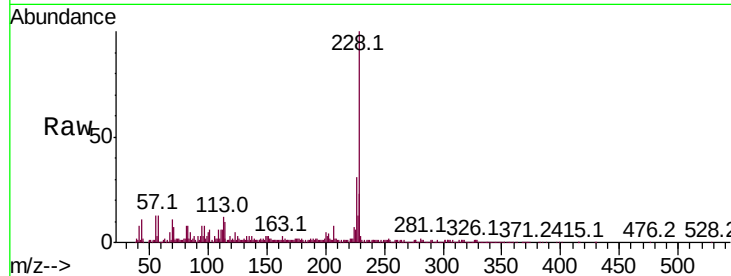
ClientSampleId :

A3YZ3

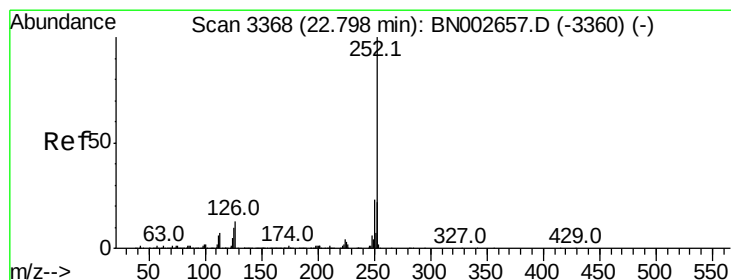
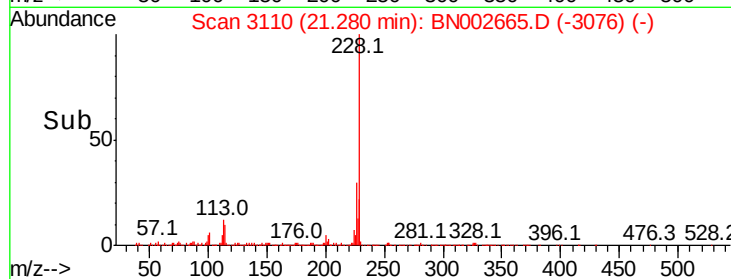
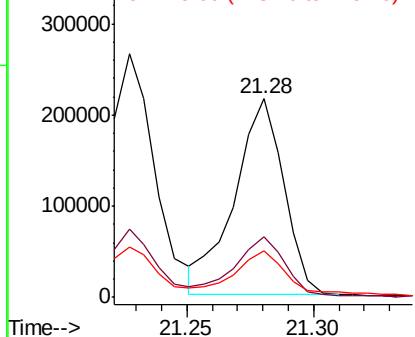
Tot Ion:	228	Resp:	291283
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	23.2	15.6	23.4

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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: 9.842 ng/ul

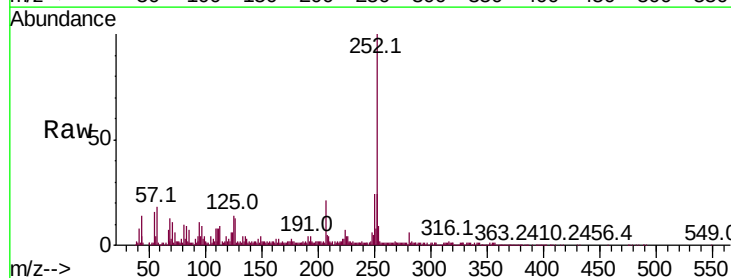
RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

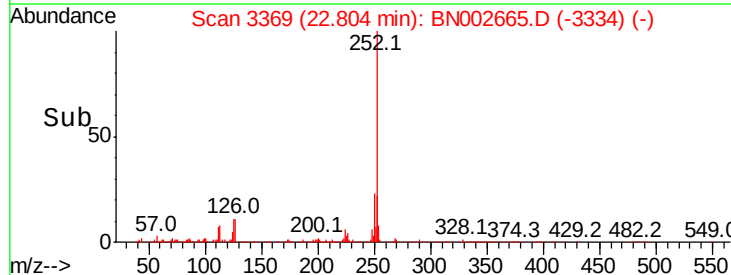
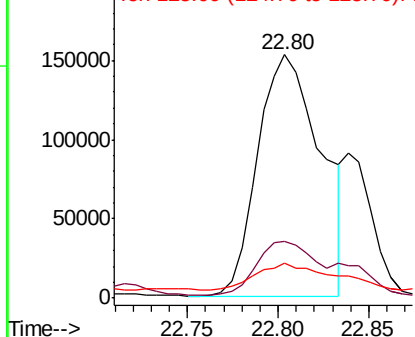
Lab File: BN002665.D

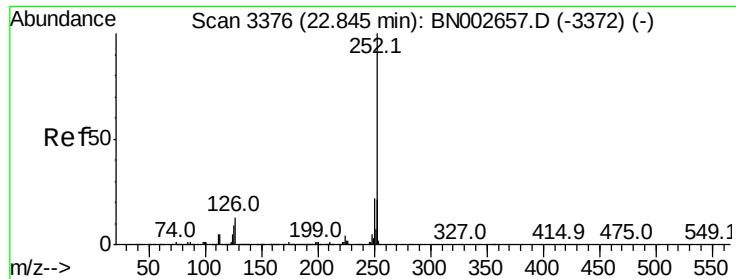
Acq: 12 Sep 2018 21:13

Tgt Ion:	252	Resp:	368027
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	14.3	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





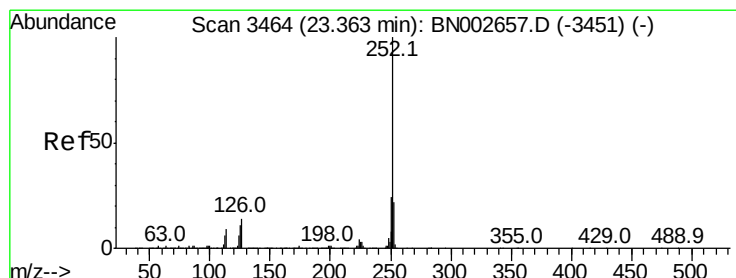
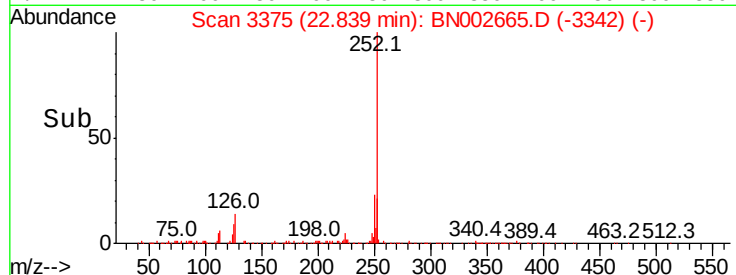
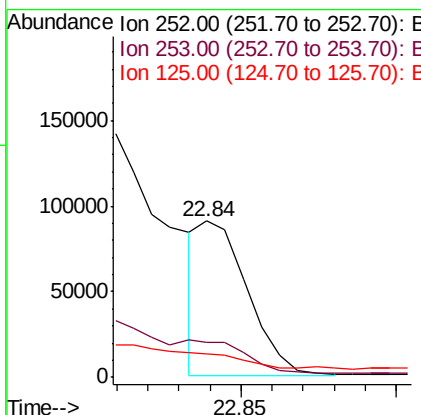
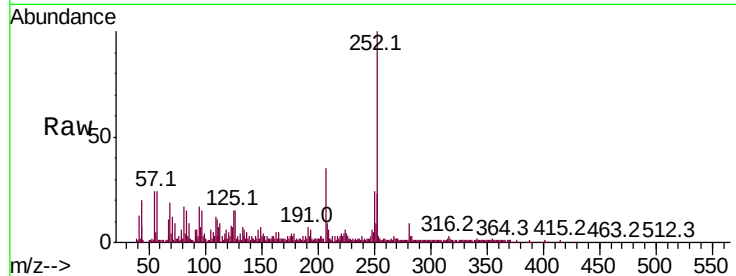
#88
Benzo(k)fluoranthene
Concen: 2.773 ng/ul m
RT: 22.84 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampled :
A3YZ3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.3	25.9
125	15.2	8.2	12.2

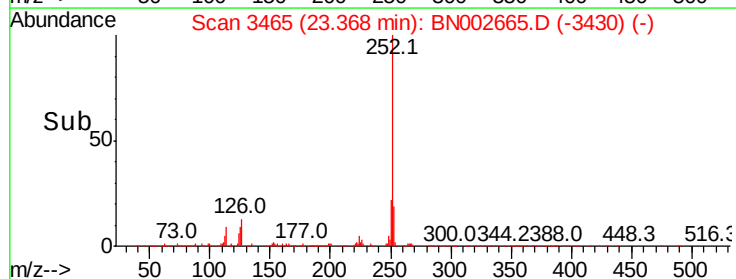
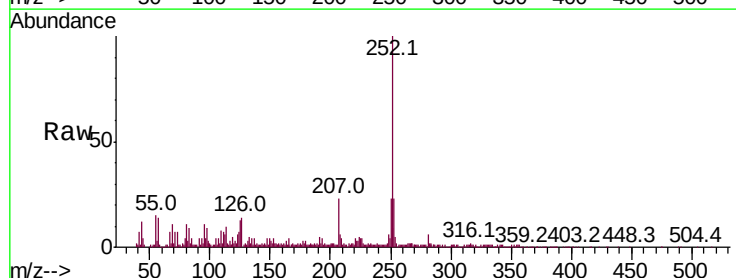
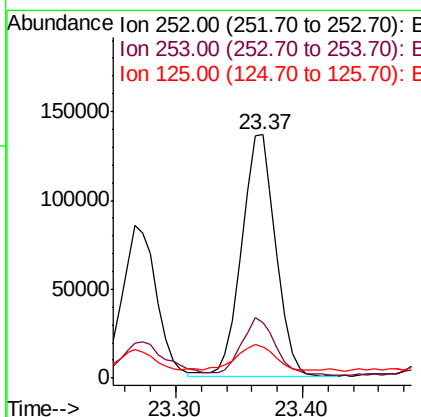
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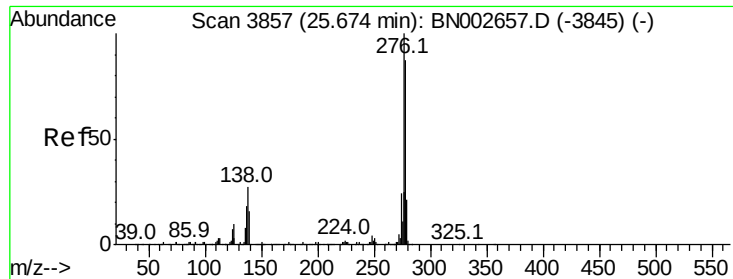
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#90
Benzo(a)pyrene
Concen: 7.114 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.8	9.0	13.6





#91

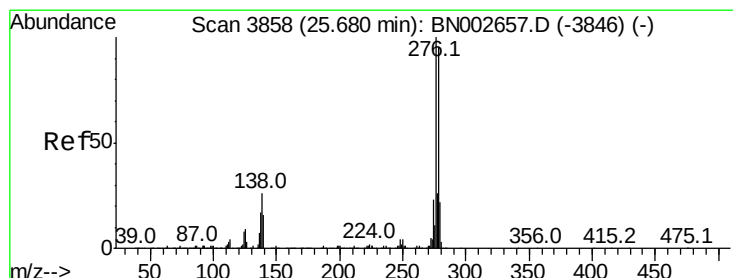
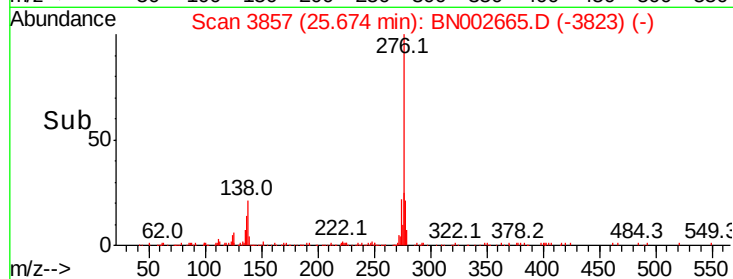
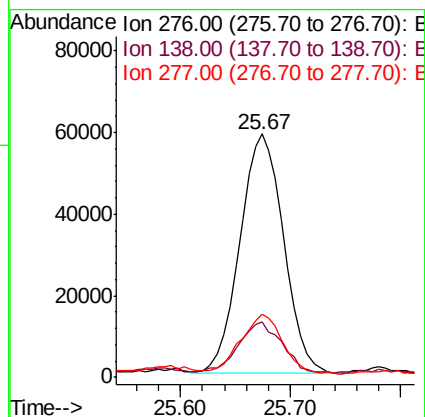
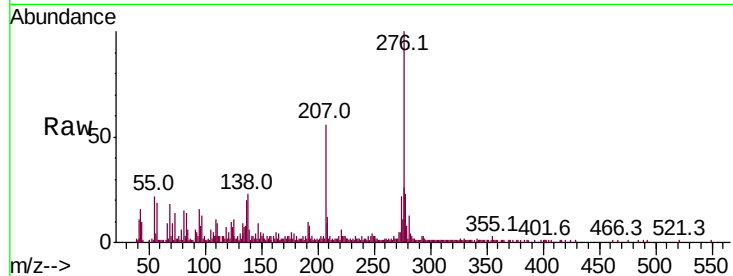
Indeno(1,2,3-cd)pyrene
Concen: 3.835 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Instrument :
BNA_N
ClientSampleId :
A3YZ3

Tot Ion:	276	Resp:	162520
Ion Ratio	Lower	Upper	
276	100		
138	22.6	22.3	33.5
277	26.2	20.2	30.2

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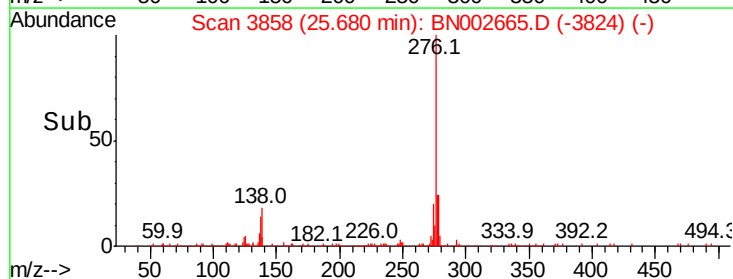
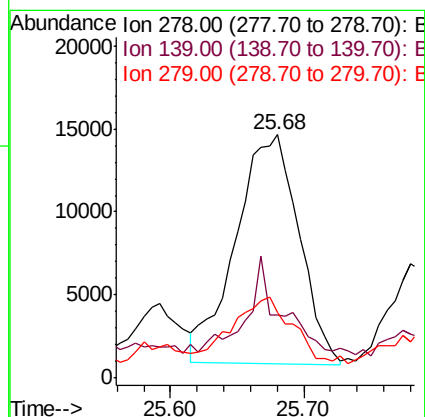
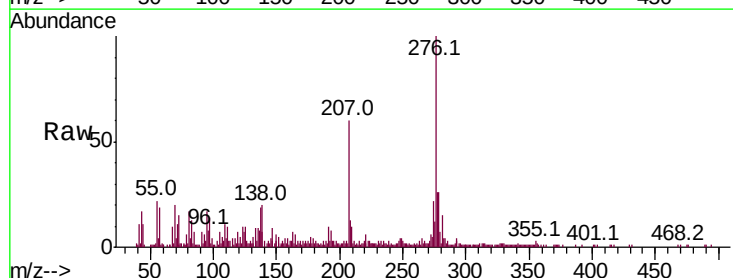
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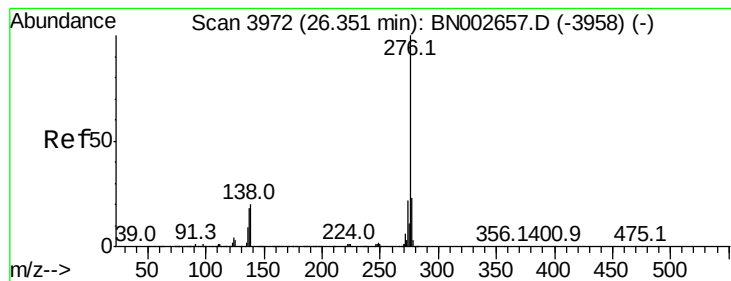


#92

Dibenzo(a,h)anthracene
Concen: 1.268 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. -0.00 min
Lab File: BN002665.D
Acq: 12 Sep 2018 21:13

Tgt Ion:	278	Resp:	44908
Ion Ratio	Lower	Upper	
278	100		
139	25.7	13.9	20.9#
279	26.8	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 4.050 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. -0.00 min

Lab File: BN002665.D

Acq: 12 Sep 2018 21:13

Instrument :

BNA_N

ClientSampleId :

A3YZ3

Tot Ion:	276	Resp:	143216
Ion Ratio		Lower	Upper
276	100		
138	22.5	18.9	28.3
277	26.2	19.2	28.8

Manual Integrations
APPROVED

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