

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032318\
 Data File : BN000607.D
 Acq On : 24 Mar 2018 08:01
 Operator : JU/SJ
 Sample : J1951-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 C0AW1

Manual Integrations
 APPROVED

Sohil
 3/26/2018 6:39:45 PM

Quant Time: Mar 26 01:49:02 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 26 01:26:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	168178	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	747287	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.03	164	410633	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.75	188	888909	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	895077	20.00	ng/ul	0.00
83) Perylene-d12	24.35	264	804060	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	20239	4.30	ng/uL	0.00
5) Phenol-d5	7.55	99	385864	24.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.71	67	237474	26.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.93	132	295635	24.92	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	299830	24.53	ng/ul	0.00
19) Nitrobenzene-d5	9.59	128	142486	23.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	152996	24.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.86	165	271526	24.09	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	333348	28.82	ng/ul	0.00
43) Dimethylphthalate-d6	14.42	166	818610	25.23	ng/ul	0.00
46) Acenaphthylene-d8	14.72	160	1074692	25.11	ng/ul	0.00
51) 4-Nitrophenol-d4	15.21	143	96438	16.01	ng/ul	0.00
57) Fluorene-d10	16.01	176	714874	25.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.12	200	65350	12.84	ng/ul	0.00
70) Anthracene-d10	17.85	188	1069383	25.03	ng/ul	0.00
76) Pyrene-d10	20.11	212	1186138	24.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	990626	26.10	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	14.46	163	228127	7.109	ng/ul#	97
69) Phenanthrene	17.80	178	602002	11.756	ng/ul	100
71) Anthracene	17.88	178	116944	2.227	ng/ul	98
72) Carbazole	18.15	167	71641	1.591	ng/ul#	97
74) Fluoranthene	19.78	202	1239258	24.353	ng/ul#	81
77) Pyrene	20.14	202	1025059	15.679	ng/ul#	77
80) Benzo(a)anthracene	21.86	228	547832	9.186	ng/ul	99
82) Chrysene	21.91	228	539954	9.658	ng/ul	98
85) Benzo(b)fluoranthene	23.60	252	667345	13.135	ng/ul#	93
86) Benzo(k)fluoranthene	23.64	252	249054m	5.078	ng/ul	
88) Benzo(a)pyrene	24.25	252	446597	9.340	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.91	276	268803	5.213	ng/ul#	87
90) Dibenzo(a,h)anthracene	26.91	278	65984	1.536	ng/ul#	79
91) Benzo(g,h,i)perylene	27.69	276	247553	5.778	ng/ul#	87

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

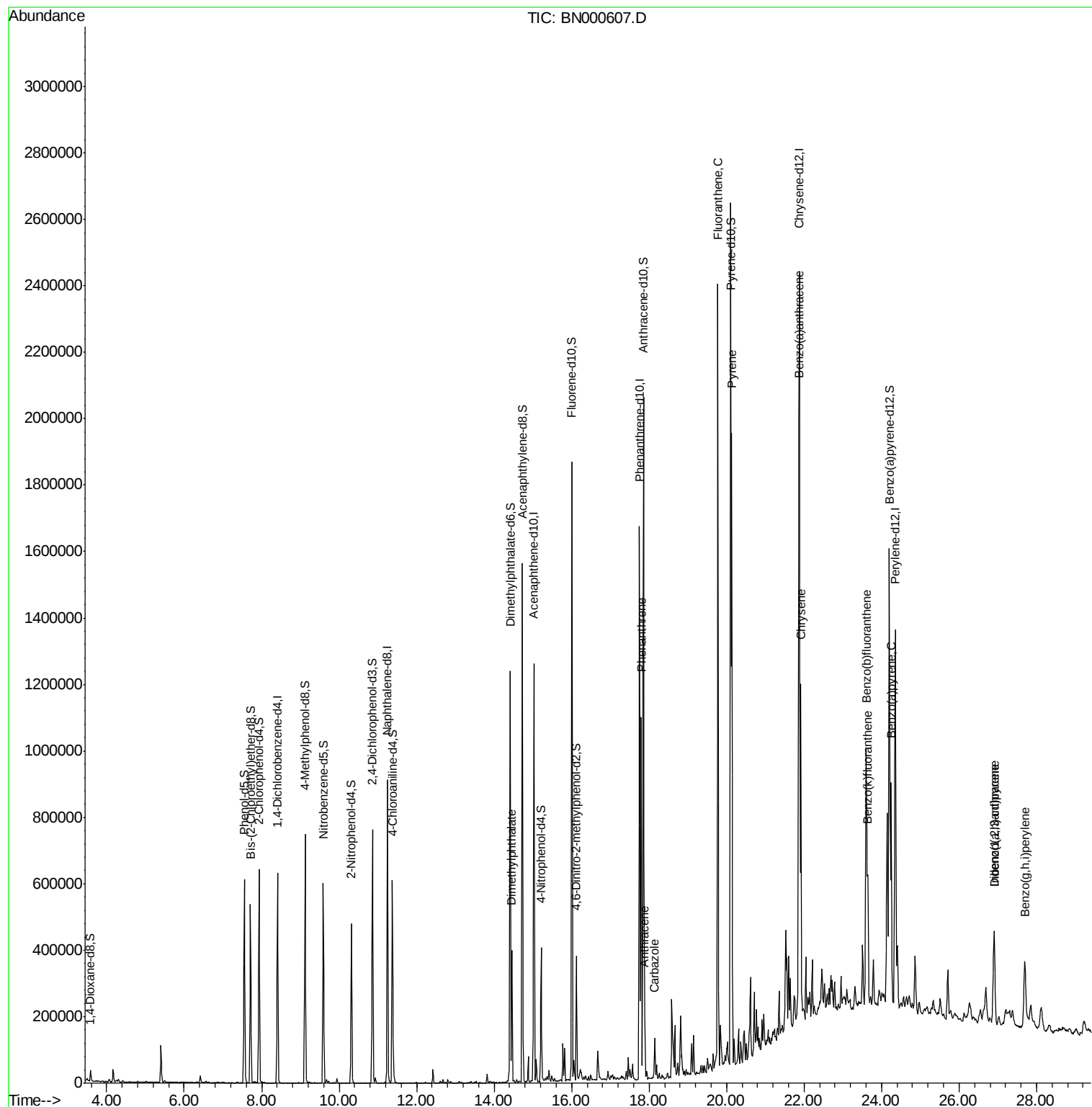
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032318\
Data File : BN000607.D
Acq On : 24 Mar 2018 08:01
Operator : JU/SJ
Sample : J1951-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

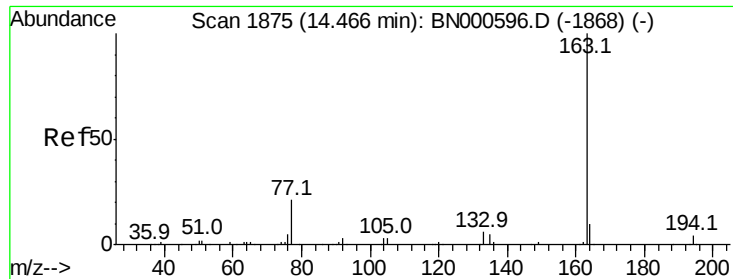
Instrument :
BNA_N
ClientSampleId :
C0AW1

Manual Integrations
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Quant Time: Mar 26 01:49:02 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





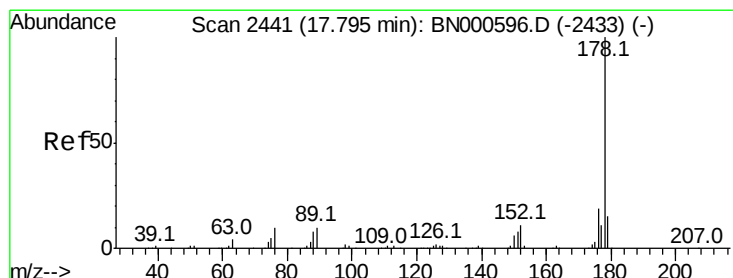
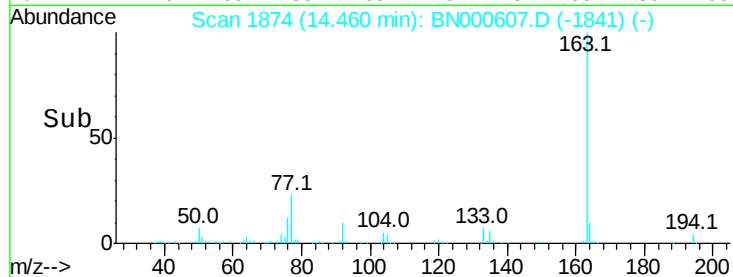
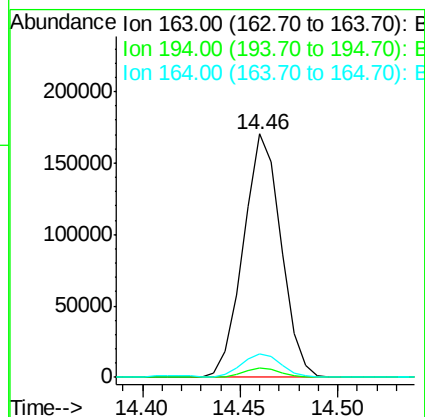
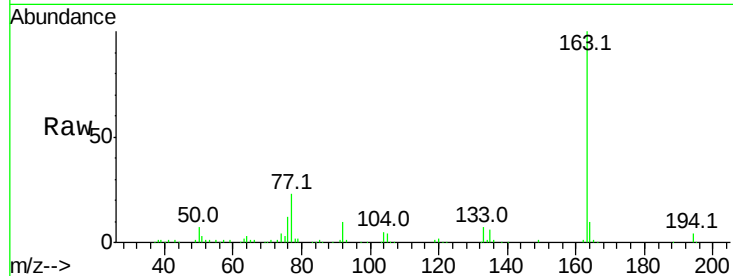
#44
Dimethylphthalate
Concen: 7.109 ng/ul
RT: 14.46 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Instrument :
BNA_N
ClientSampled :
C0AW1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	228127		
194	3.7	4.0	6.0#	
164	9.7	8.4	12.6	

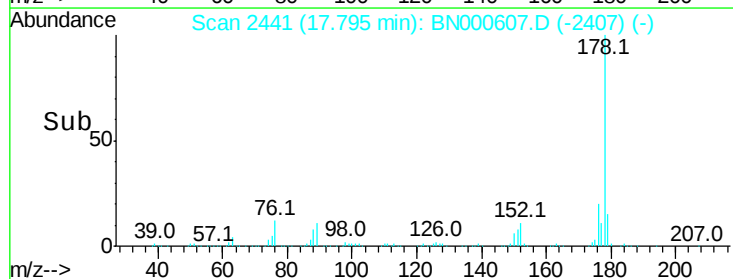
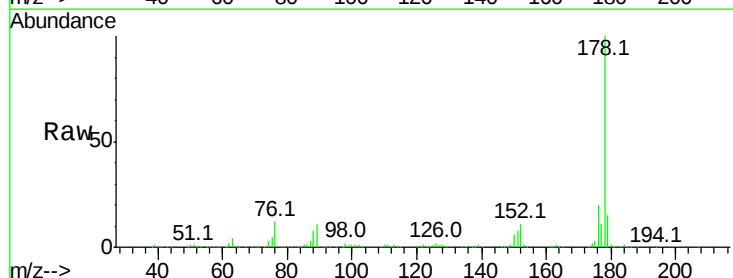
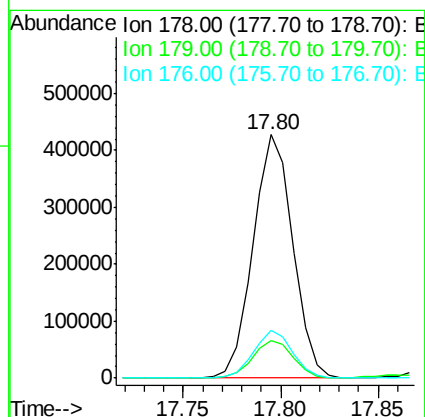
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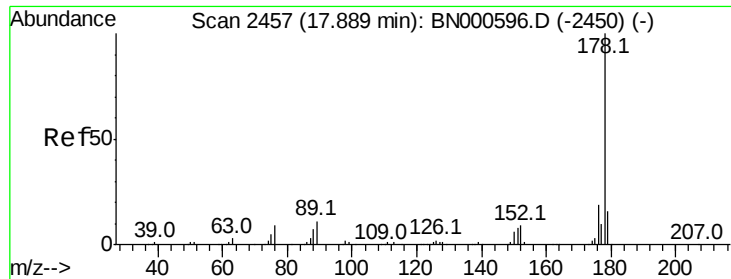
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#69
Phenanthrene
Concen: 11.756 ng/ul
RT: 17.80 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	602002		
179	15.5	12.3	18.5	
176	19.5	15.4	23.0	





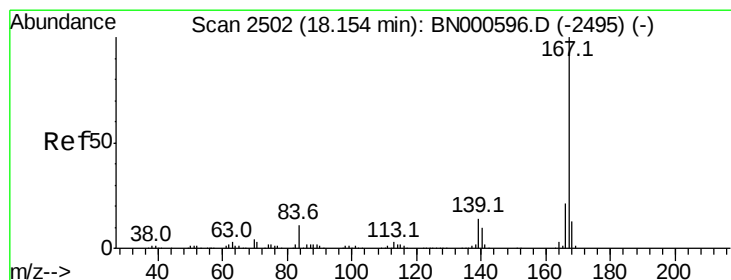
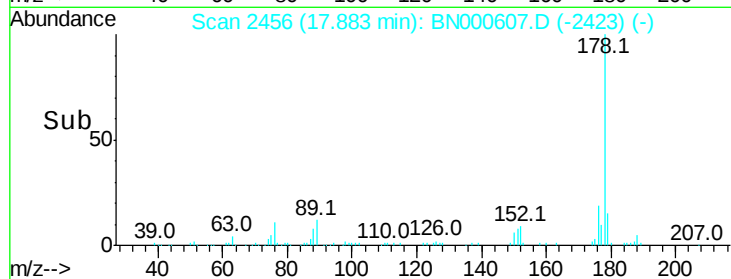
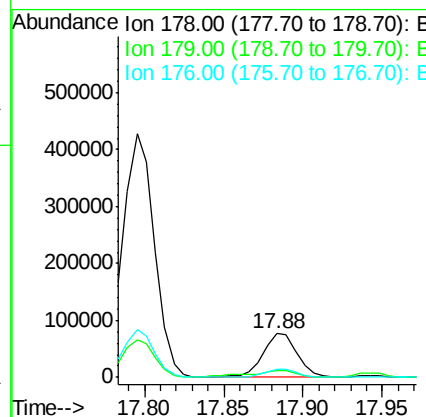
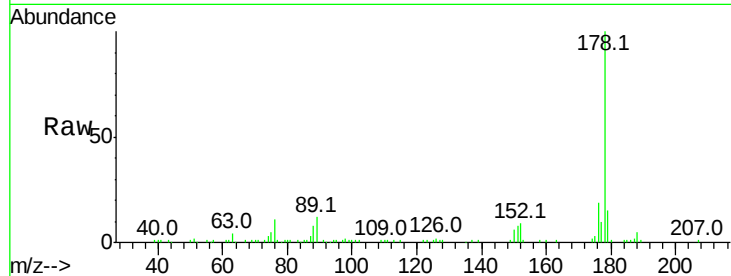
#71
 Anthracene
 Concen: 2.227 ng/ul
 RT: 17.88 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BN000607.D
 Acq: 24 Mar 2018 08:01

Instrument :
 BNA_N
 ClientSampled :
 C0AW1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.4	20.2
176	18.8	15.4	23.0

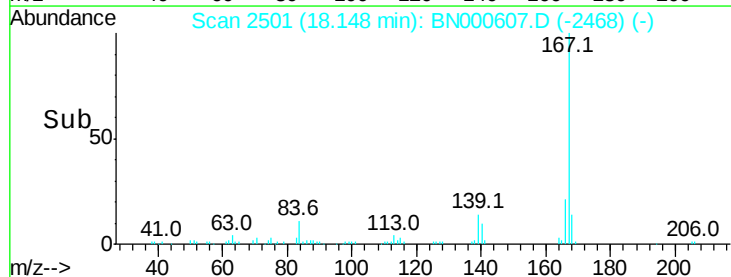
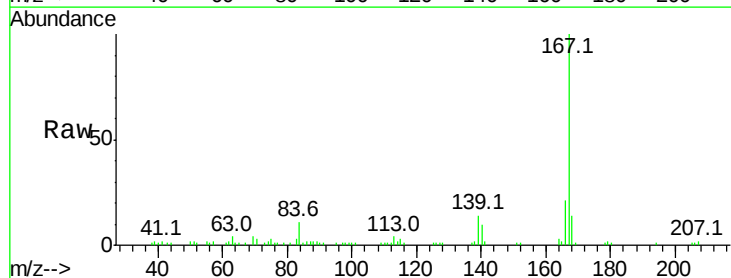
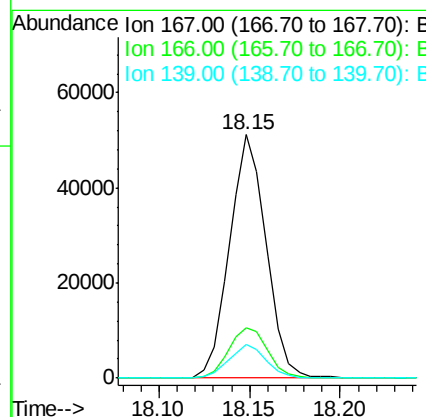
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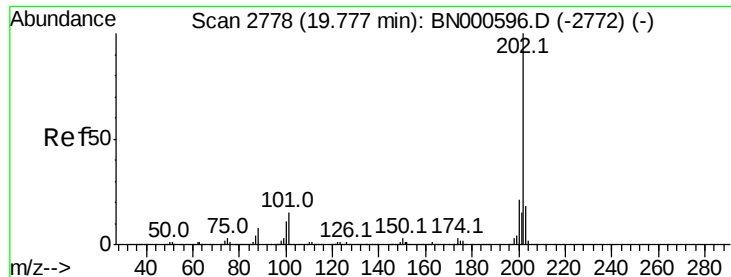
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#72
 Carbazole
 Concen: 1.591 ng/ul
 RT: 18.15 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BN000607.D
 Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	13.9	9.1	13.7#





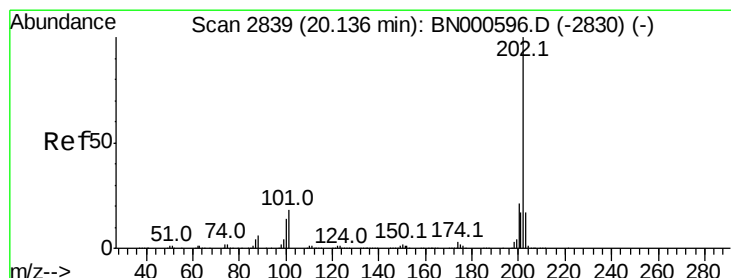
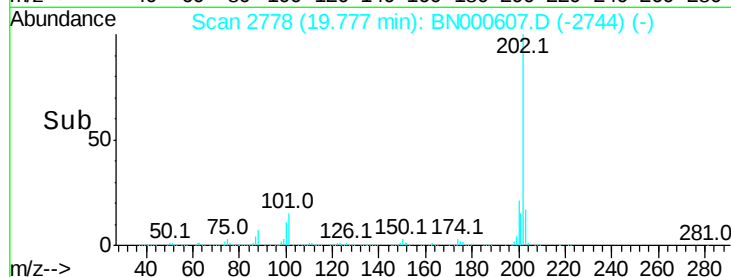
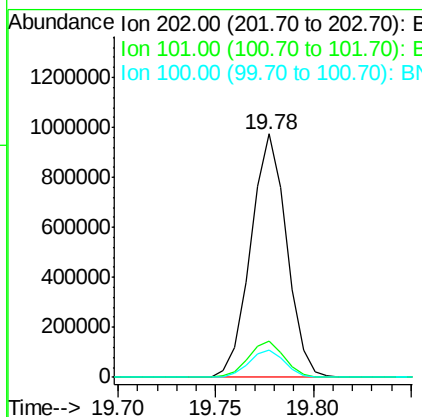
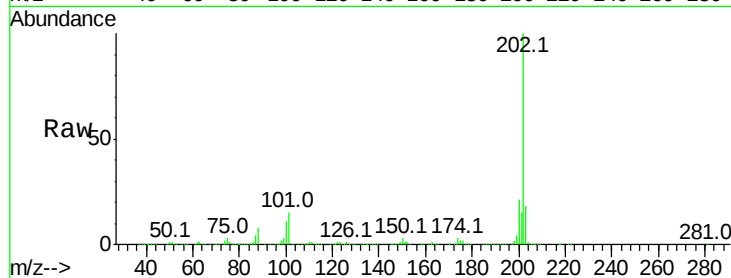
#74
Fluoranthene
Concen: 24.353 ng/ul
RT: 19.78 min Scan# 2778
Delta R.T. -0.00 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Instrument :
BNA_N
ClientSampleId :
C0AW1

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.9	6.1	9.1#
100	11.0	4.6	7.0#

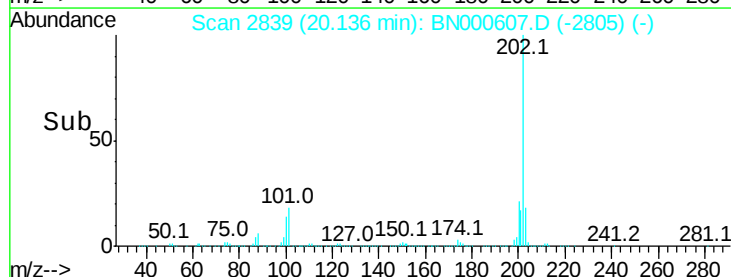
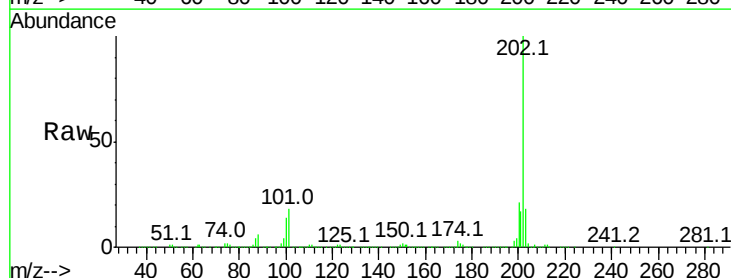
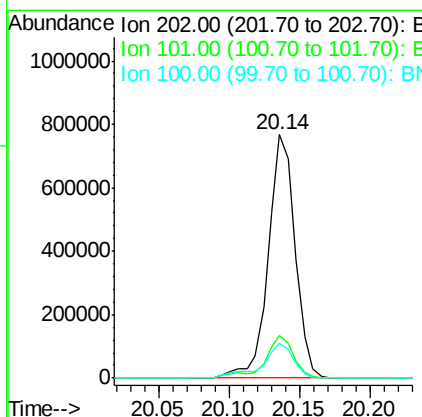
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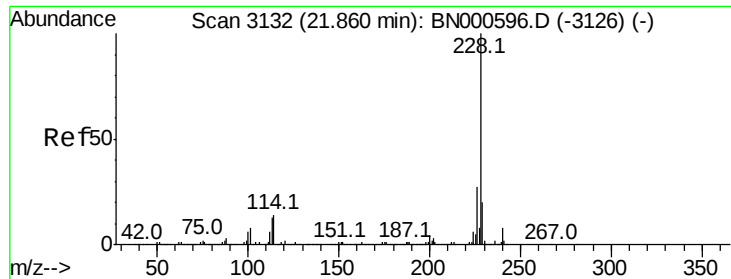
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#77
Pyrene
Concen: 15.679 ng/ul
RT: 20.14 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.6	6.9	10.3#
100	14.4	5.6	8.4#





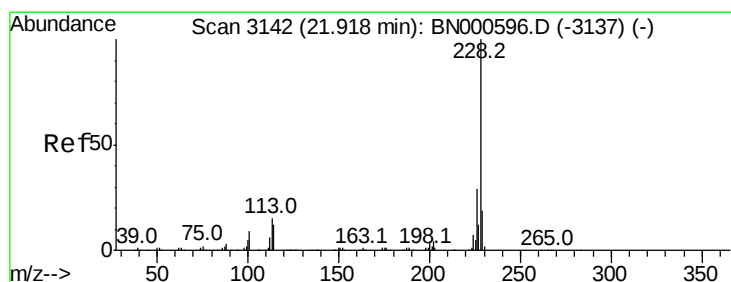
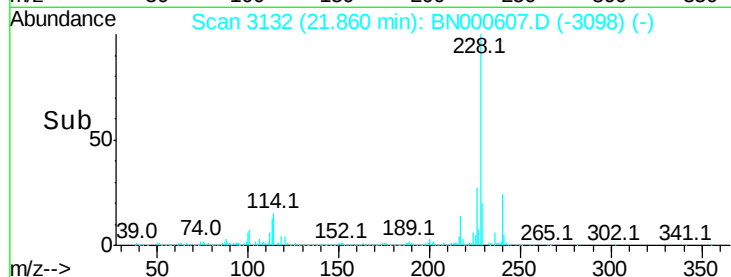
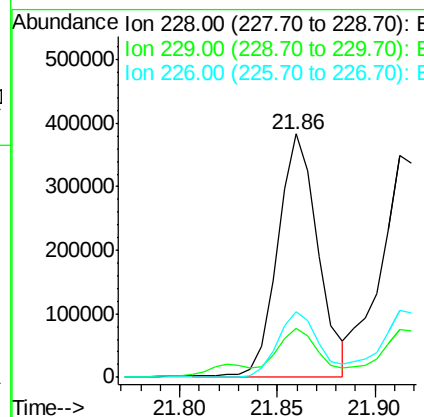
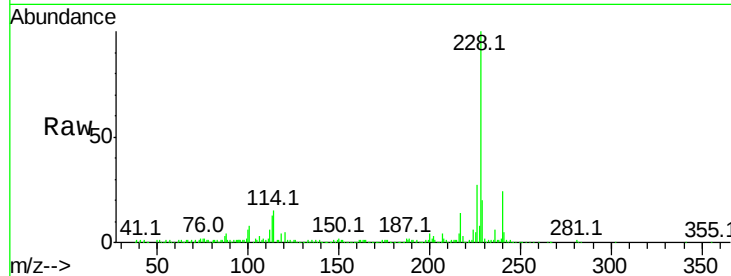
#80
Benzo(a)anthracene
Concen: 9.186 ng/ul
RT: 21.86 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Instrument :
BNA_N
ClientSampled :
C0AW1

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.0	24.0
226	26.9	21.8	32.8

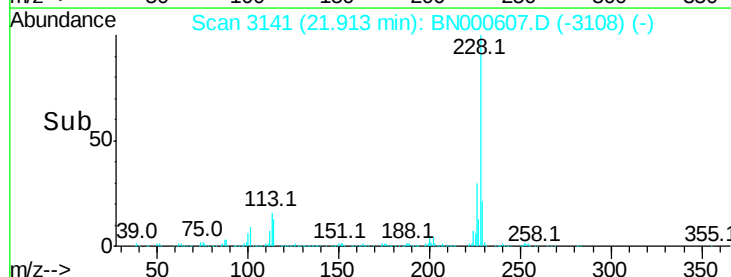
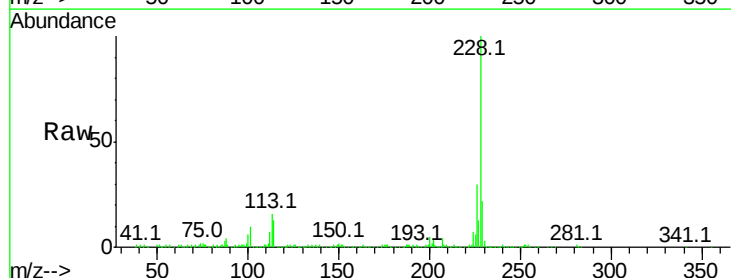
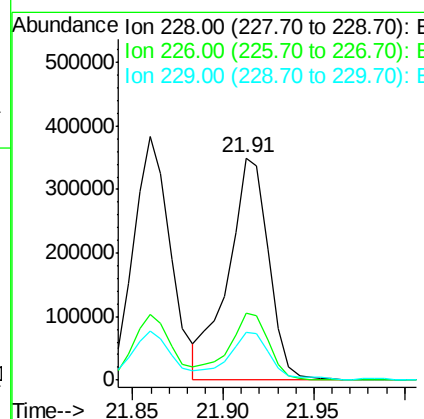
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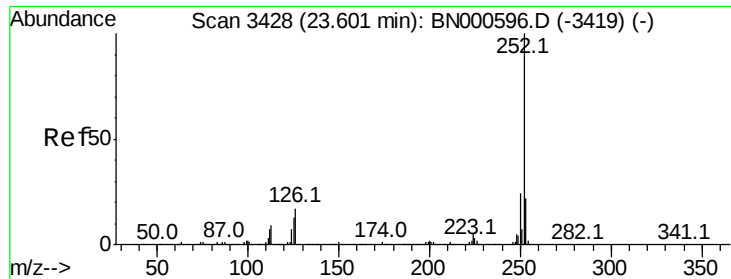
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#82
Chrysene
Concen: 9.658 ng/ul
RT: 21.91 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	21.6	16.0	24.0





#85

Benzo(b)fluoranthene

Concen: 13.135 ng/ul

RT: 23.60 min Scan# 3428

Delta R.T. -0.00 min

Lab File: BN000607.D

Acq: 24 Mar 2018 08:01

Instrument :

BNA_N

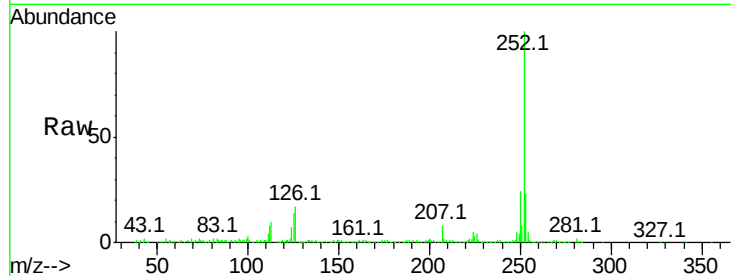
ClientSampled :

C0AW1

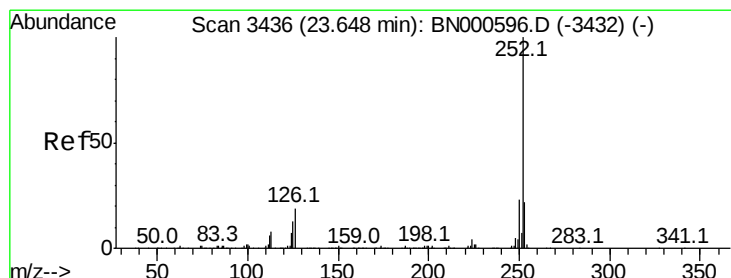
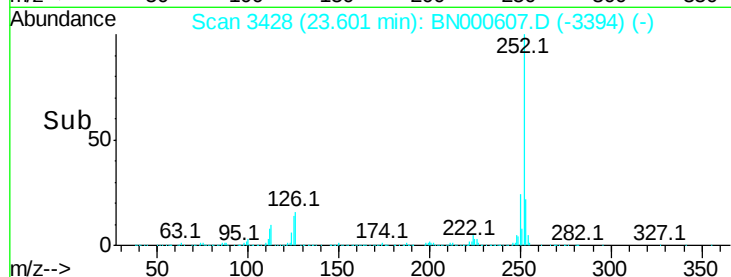
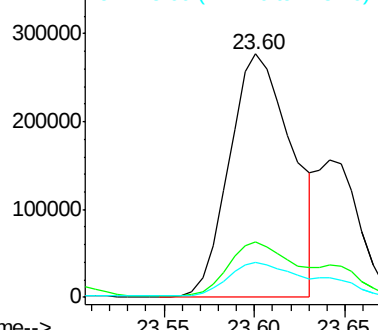
Tot Ion:	252	Resp:	667345
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	14.1	4.9	7.3#

Manual Integrations
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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



#86

Benzo(k)fluoranthene

Concen: 5.078 ng/ul m

RT: 23.64 min Scan# 3435

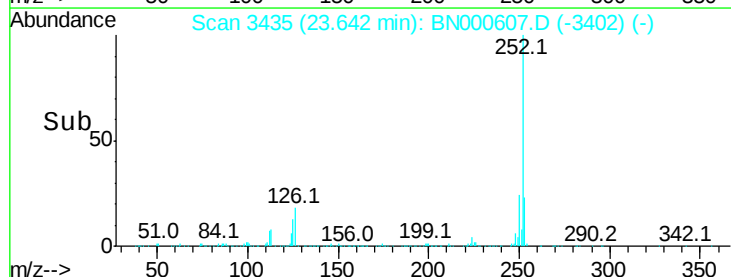
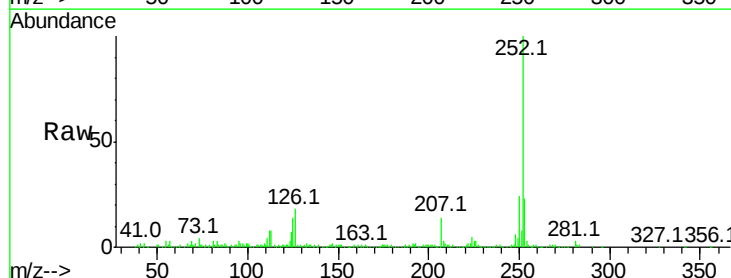
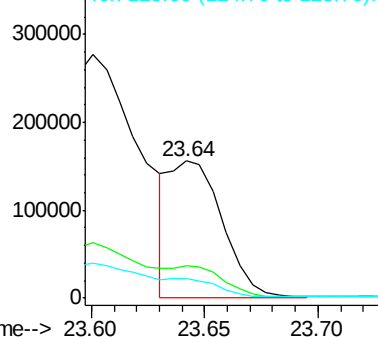
Delta R.T. -0.01 min

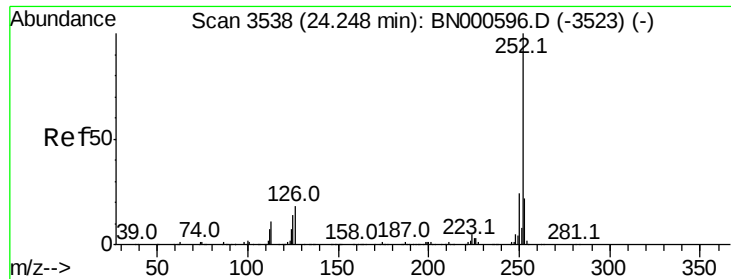
Lab File: BN000607.D

Acq: 24 Mar 2018 08:01

Tgt Ion:	252	Resp:	249054
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	14.0	5.4	8.0#

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





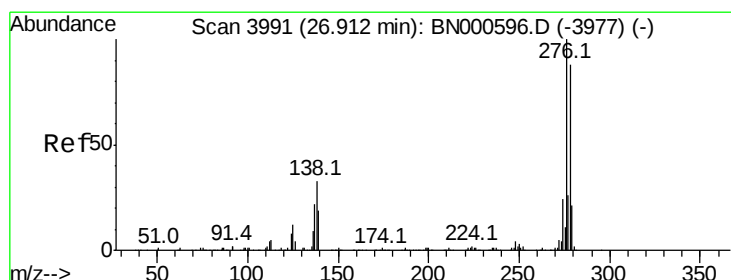
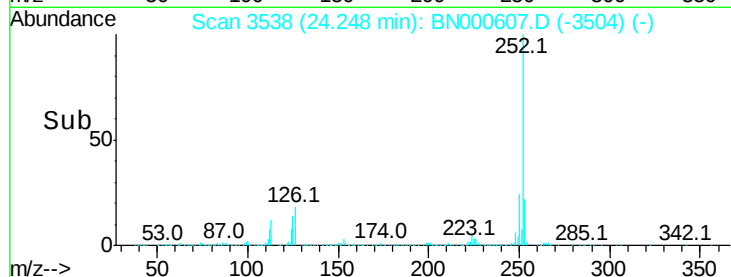
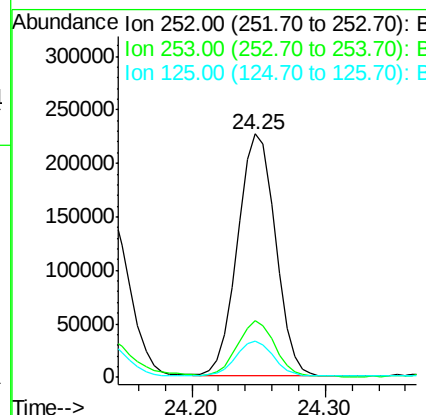
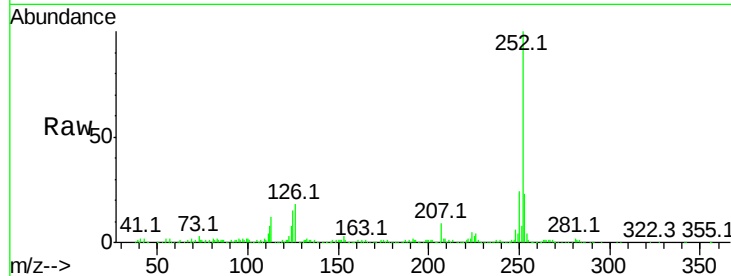
#88
Benzo(a)pyrene
Concen: 9.340 ng/u1
RT: 24.25 min Scan# 3538
Delta R.T. -0.00 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Instrument :
BNA_N
ClientSampled :
C0AW1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	14.9	5.8	8.6

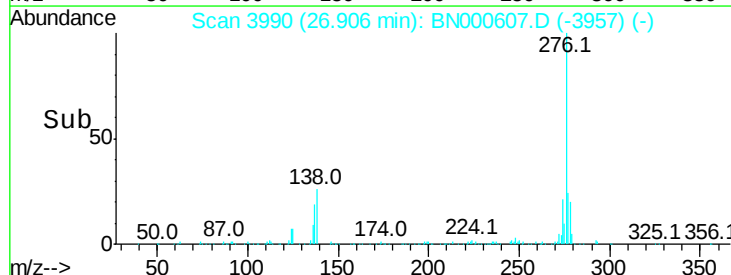
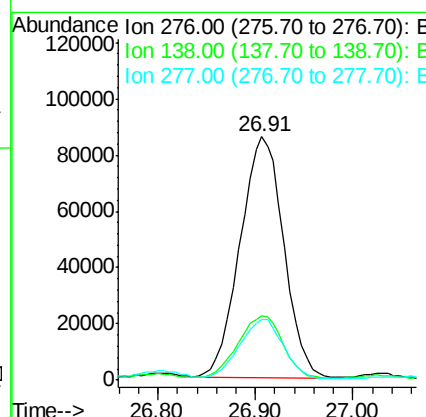
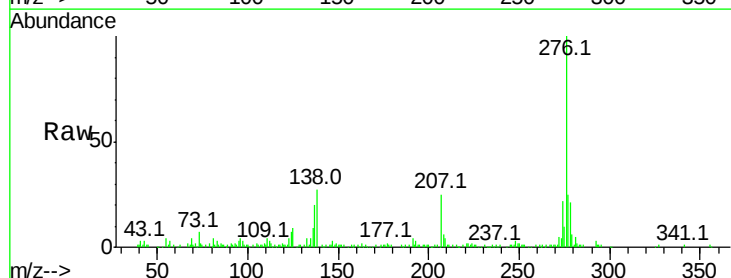
Manual Integrations
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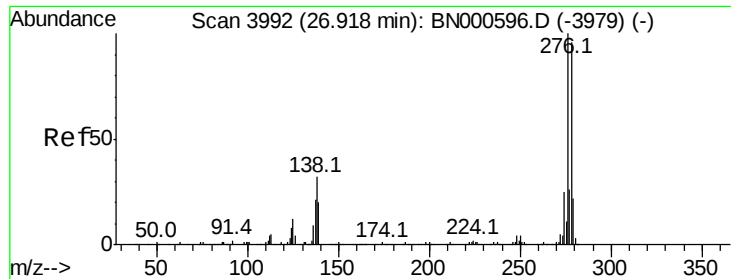
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#89
Indeno(1,2,3-cd)pyrene
Concen: 5.213 ng/u1
RT: 26.91 min Scan# 3990
Delta R.T. -0.01 min
Lab File: BN000607.D
Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	10.9	16.3
277	24.8	18.9	28.3





#90

Dibenzo(a,h)anthracene

Concen: 1.536 ng/u1

RT: 26.91 min Scan# 3991

Delta R.T. -0.01 min

Lab File: BN000607.D

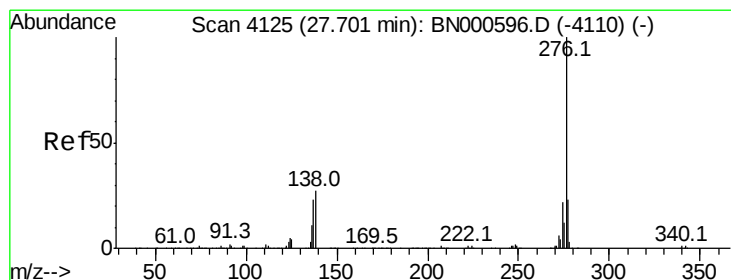
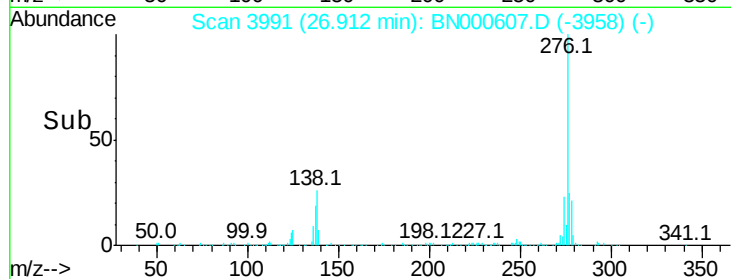
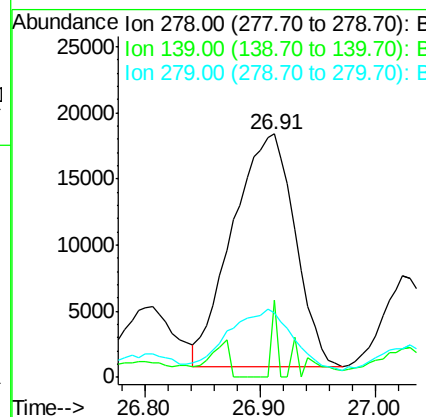
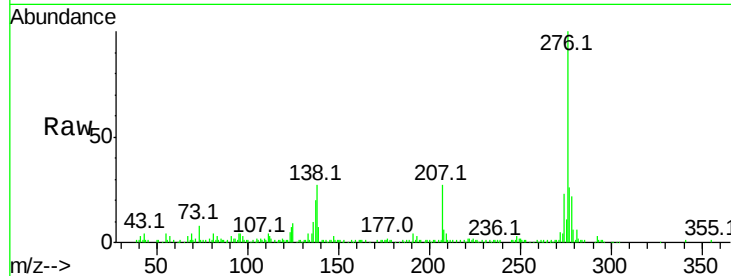
Acq: 24 Mar 2018 08:01

Instrument :
BNA_N
ClientSampled :
C0AW1

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.9	9.0	13.4#
279	26.6	19.1	28.7

Manual Integrations
APPROVED

Sohil
3/26/2018 6:39:45 PM



#91

Benzo(g,h,i)perylene

Concen: 5.778 ng/u1

RT: 27.69 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BN000607.D

Acq: 24 Mar 2018 08:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	11.2	16.8#
277	24.3	19.0	28.6

