

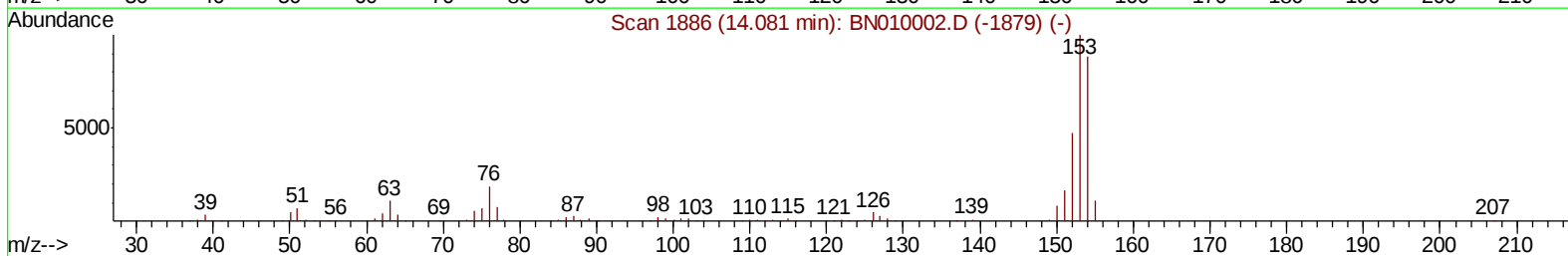
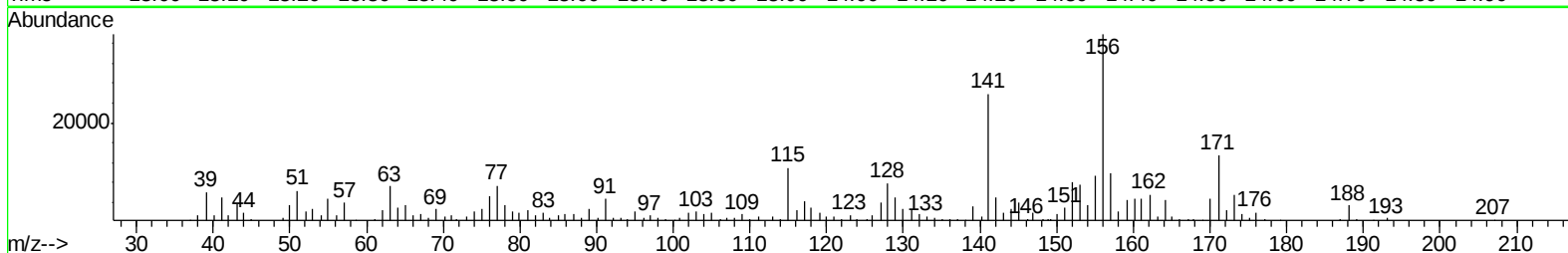
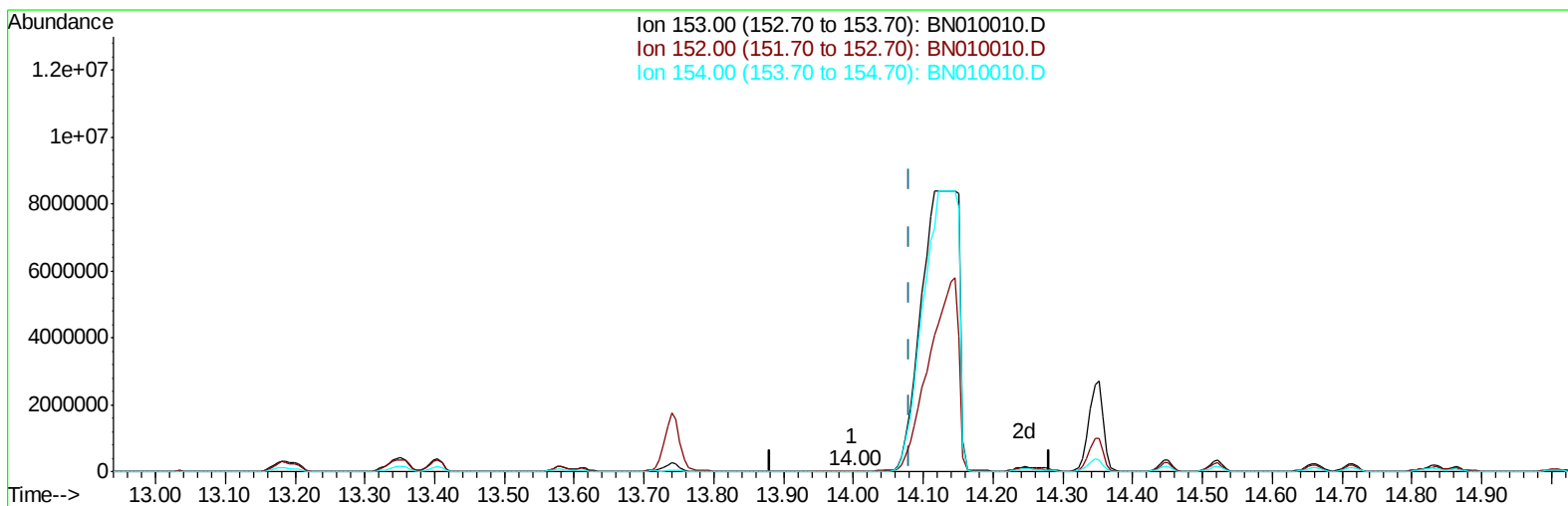
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Manual Integrations
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mohammad
3/3/2020 4:59:41 PM

Quant Time: Mar 02 05:53:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration



TIC: BN010010.D

(50) Acenaphthene (C)

13.998min (-0.082) 0.93ng/ul

response 15102

Ion	Exp%	Act%
153.00	100	100
152.00	45.70	107.08#
154.00	88.30	44.10#
0.00	0.00	0.00

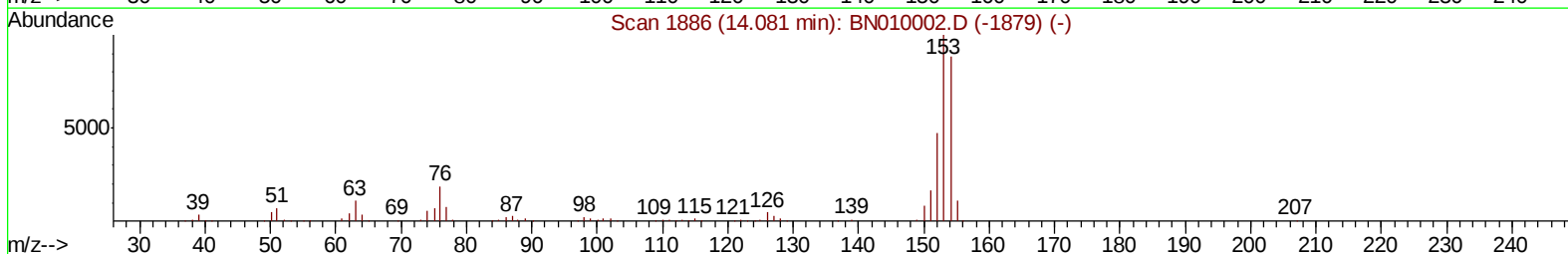
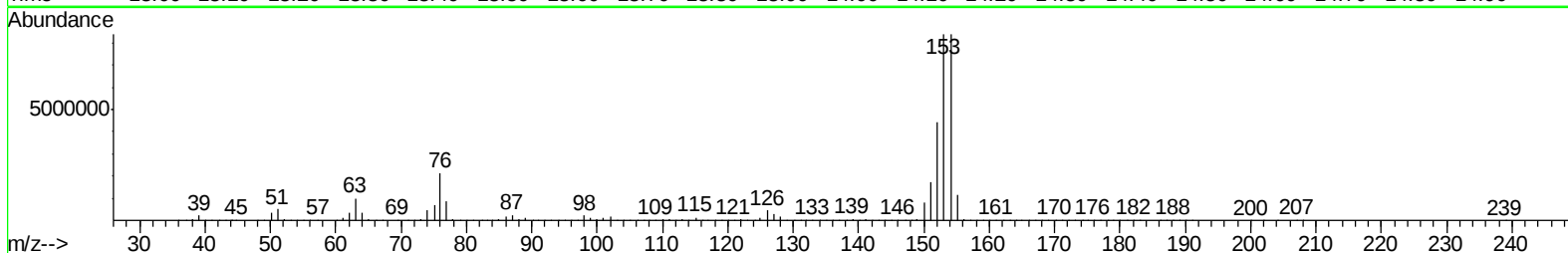
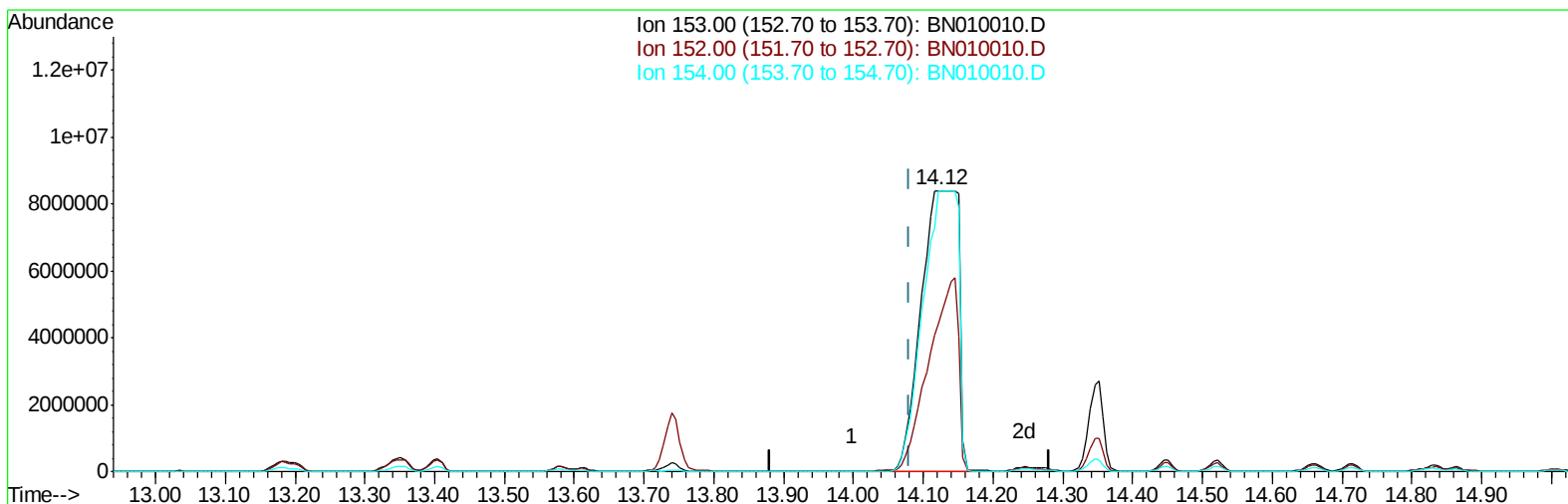
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
 Data File : BN010010.D
 Acq On : 29 Feb 2020 06:19
 Operator : CG/JU
 Sample : L1507-22RX
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R7RX

Manual Integrations
 APPROVED

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 3/3/2020 4:59:41 PM

Quant Time: Mar 02 05:53:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration



TIC: BN010010.D

(50) Acenaphthene (C)

14.122min (+0.041) 1954.72ng/ul m

response 31594188

Ion	Exp%	Act%
153.00	100	100
152.00	45.70	52.93
154.00	88.30	100.00
0.00	0.00	0.00

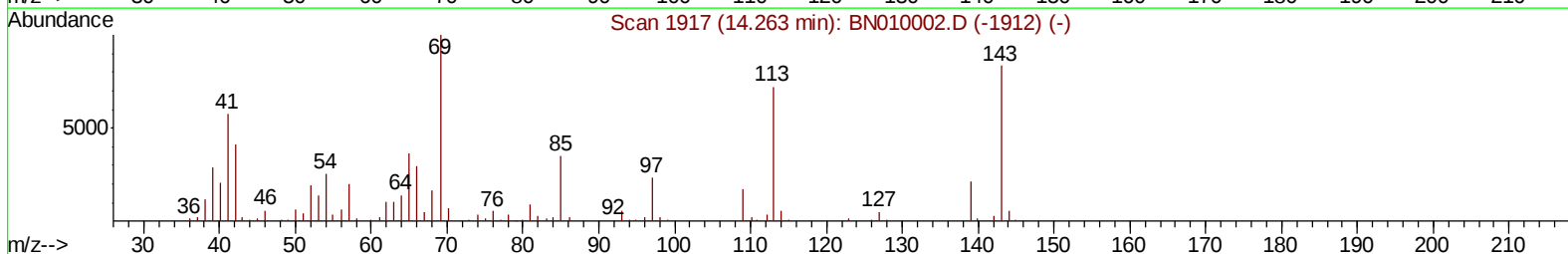
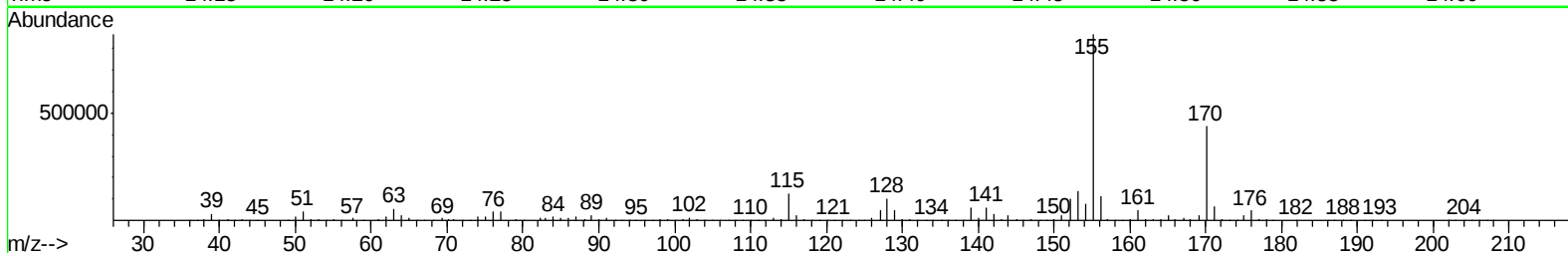
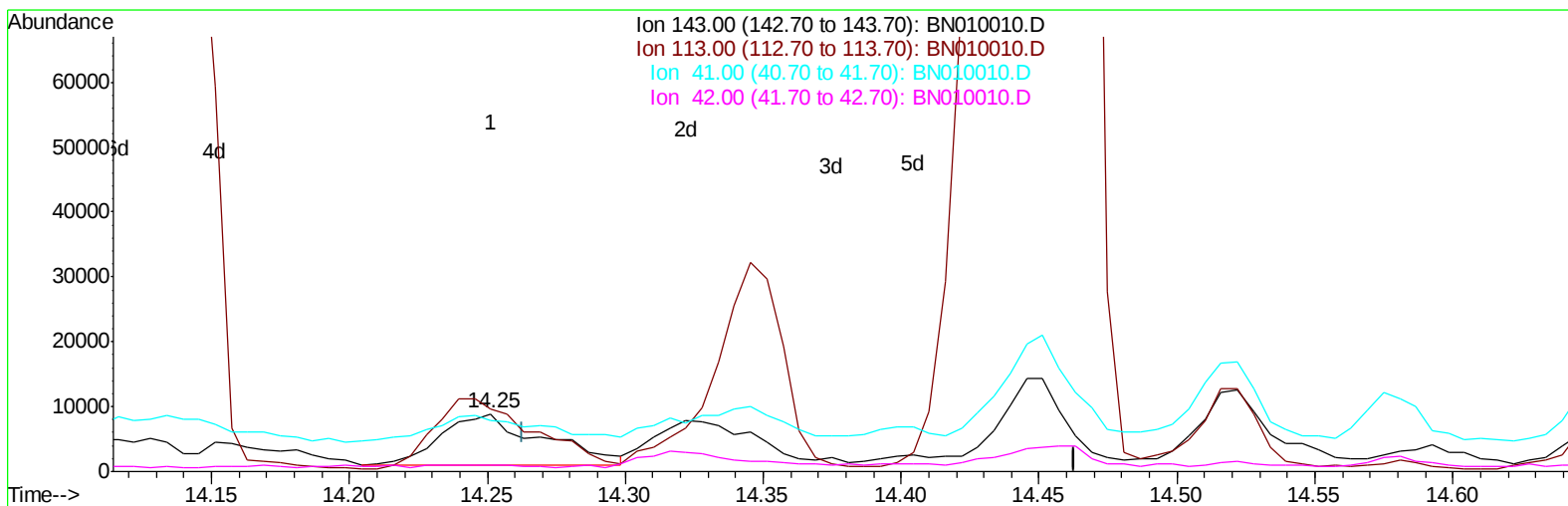
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Manual Integrations
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Quant Time: Mar 02 05:53:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
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TIC: BN010010.D

(52) 4-Nitrophenol-d4 (S)
14.251min (-0.012) 5.92ng/ul

response 19983

Ion	Exp%	Act%
143.00	100	100
113.00	86.40	109.67#
41.00	66.00	89.68#
42.00	43.20	11.64#

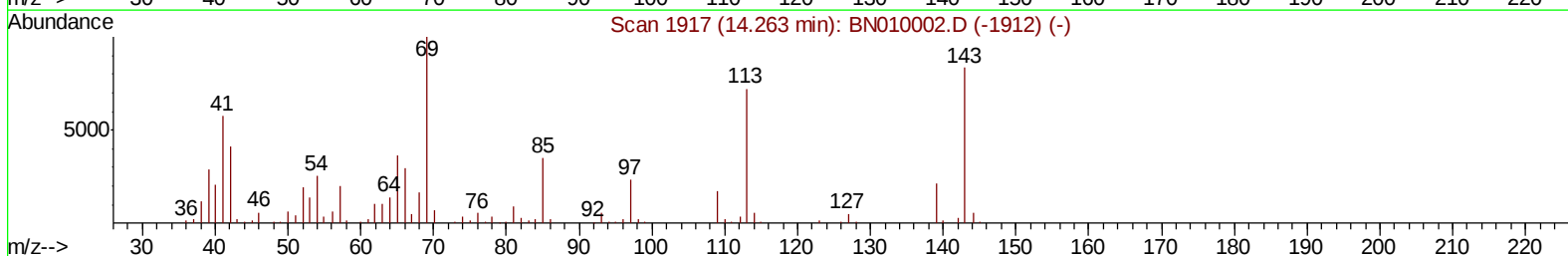
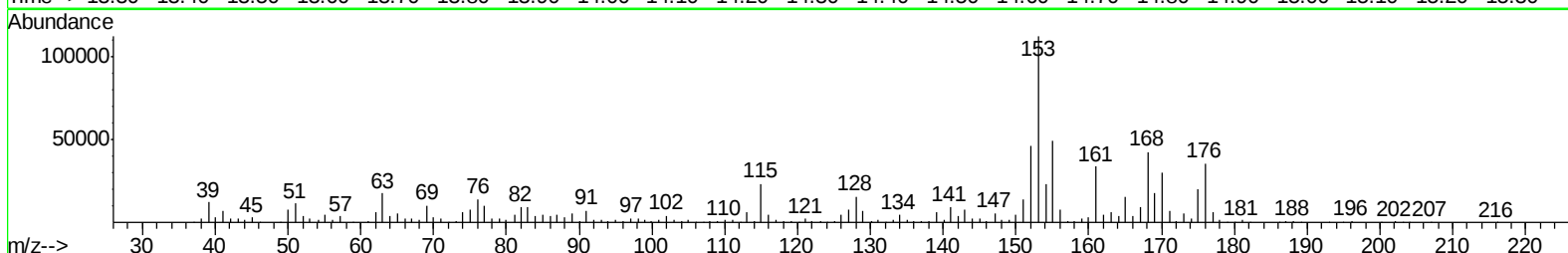
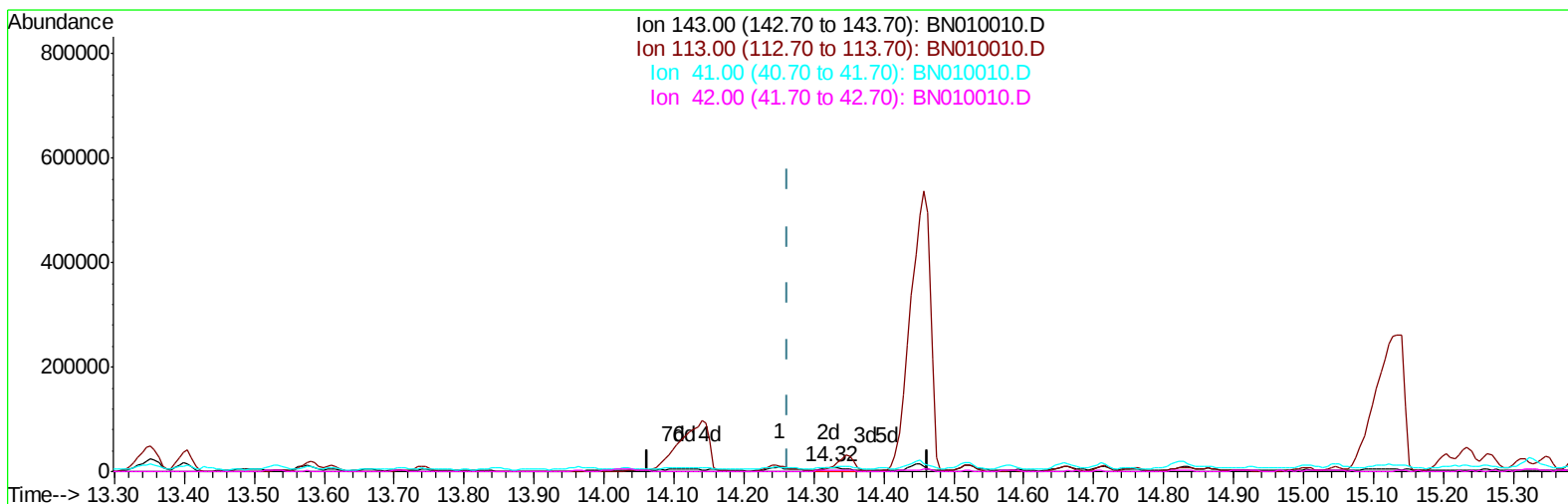
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Quant Time: Mar 02 05:53:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
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Manual Integrations
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TIC: BN010010.D

(52) 4-Nitrophenol-d4 (S)

14.322min (+0.059) 5.17ng/ul m

response 17467

Ion	Exp%	Act%
143.00	100	100
113.00	86.40	86.22
41.00	66.00	95.33#
42.00	43.20	37.80

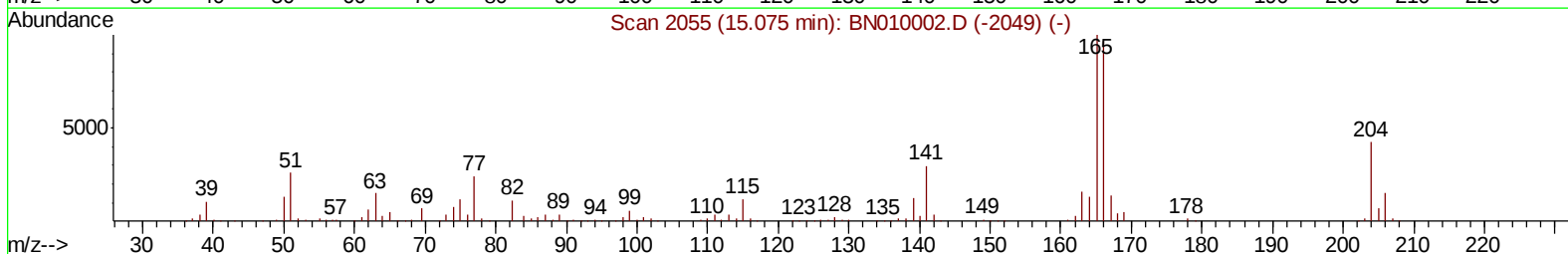
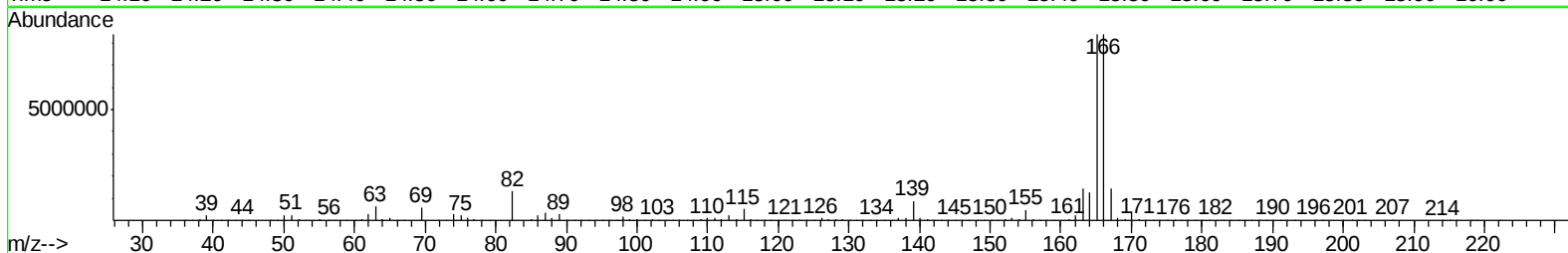
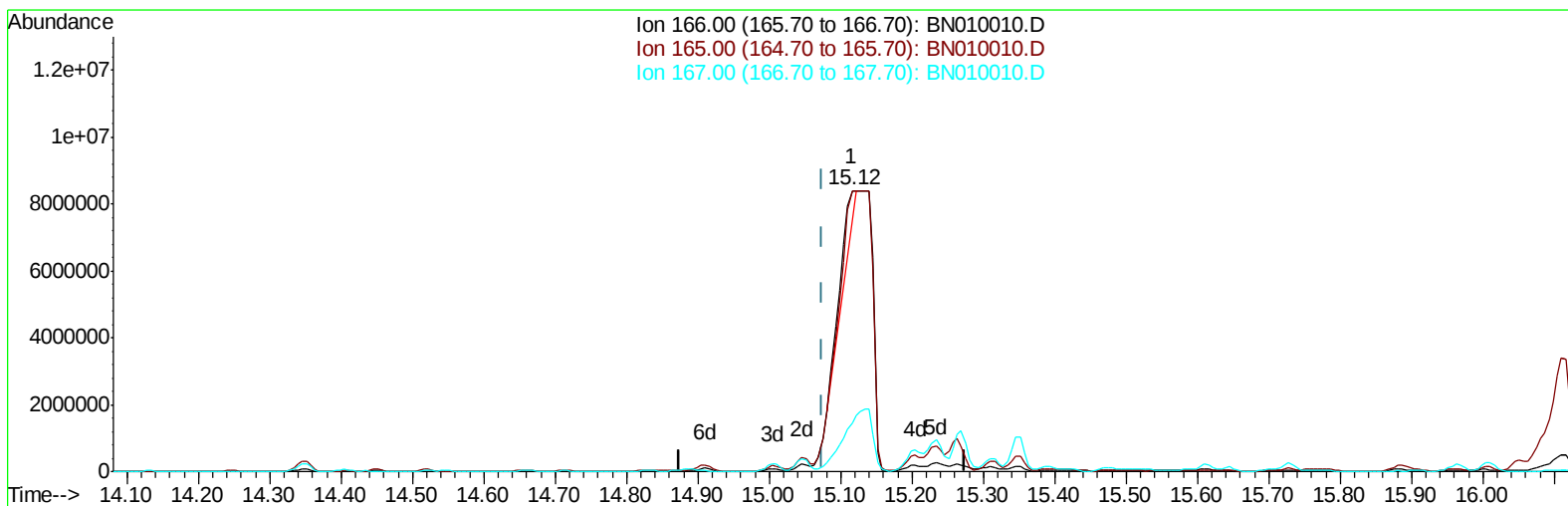
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
 Data File : BN010010.D
 Acq On : 29 Feb 2020 06:19
 Operator : CG/JU
 Sample : L1507-22RX
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R7RX

Manual Integrations
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TIC: BN010010.D

(59) Fluorene

15.116min (+0.041) 189.17ng/ul

response 3601594

Ion	Exp%	Act%
166.00	100	100
165.00	99.80	100.00
167.00	13.40	17.20#
0.00	0.00	0.00

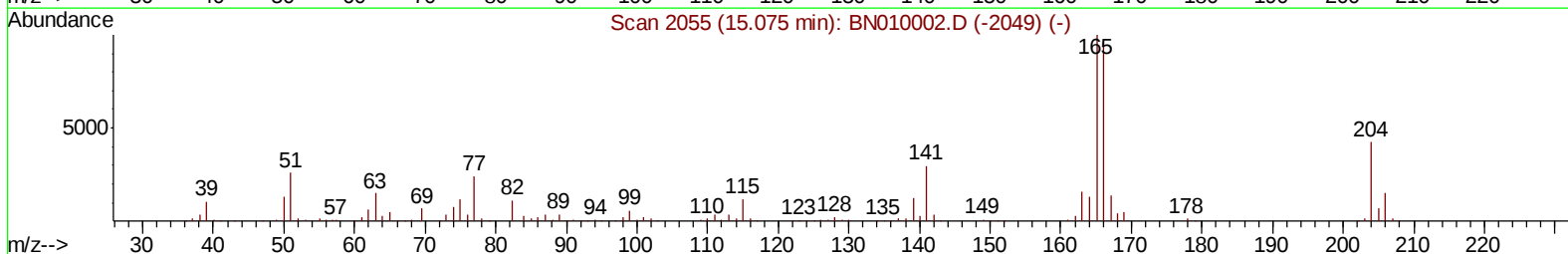
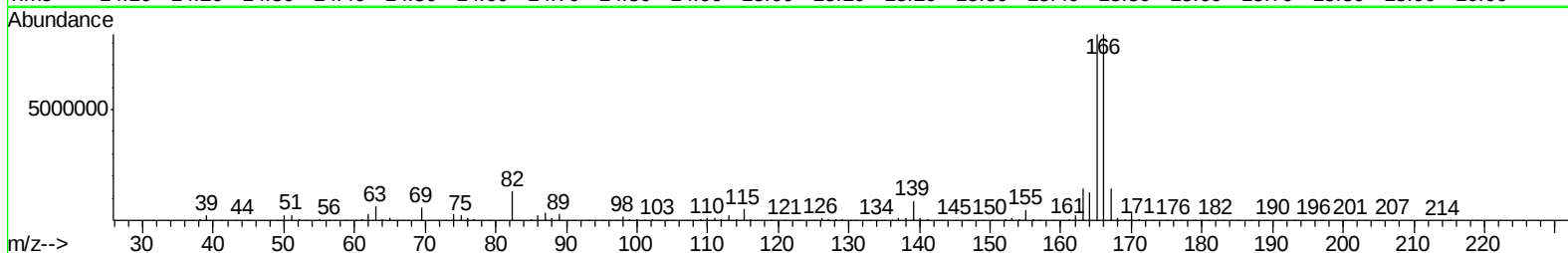
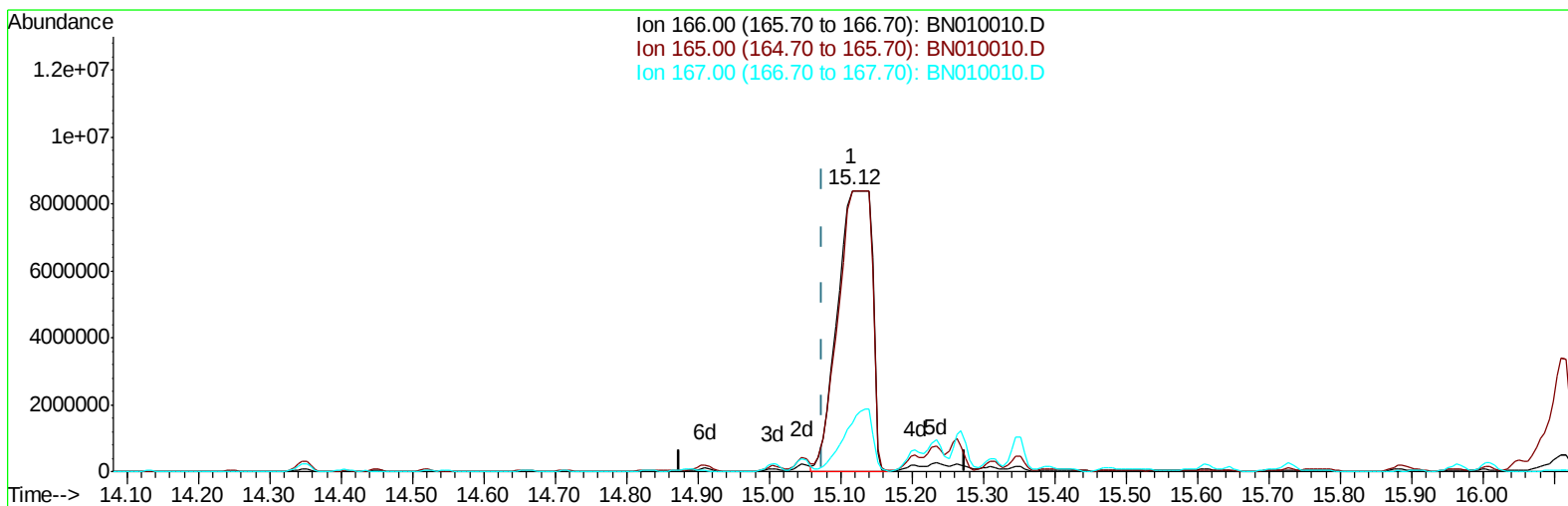
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
 Data File : BN010010.D
 Acq On : 29 Feb 2020 06:19
 Operator : CG/JU
 Sample : L1507-22RX
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R7RX

Manual Integrations
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Quant Time: Mar 02 05:53:11 2020
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 Response via : Initial Calibration



TIC: BN010010.D

(59) Fluorene

15.116min (+0.041) 1481.79ng/ul m

response 28211777

Ion	Exp%	Act%
166.00	100	100
165.00	99.80	100.00
167.00	13.40	17.20#
0.00	0.00	0.00

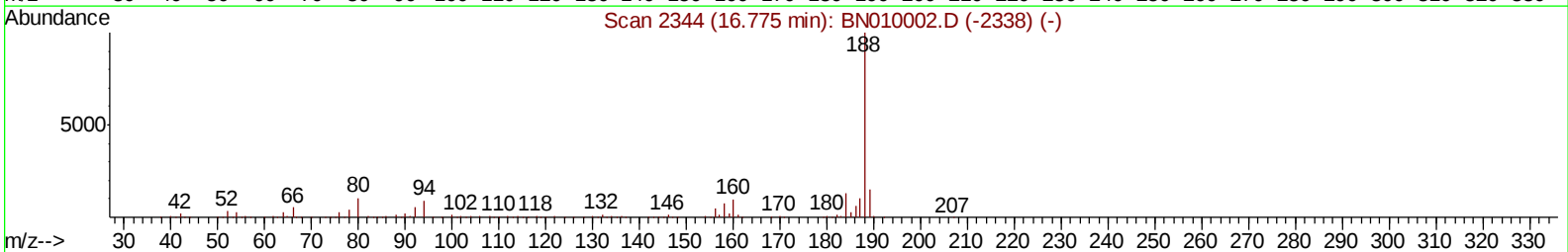
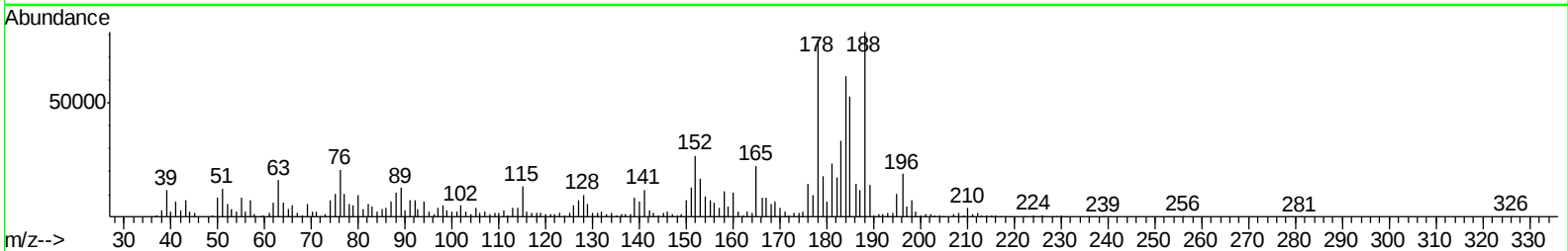
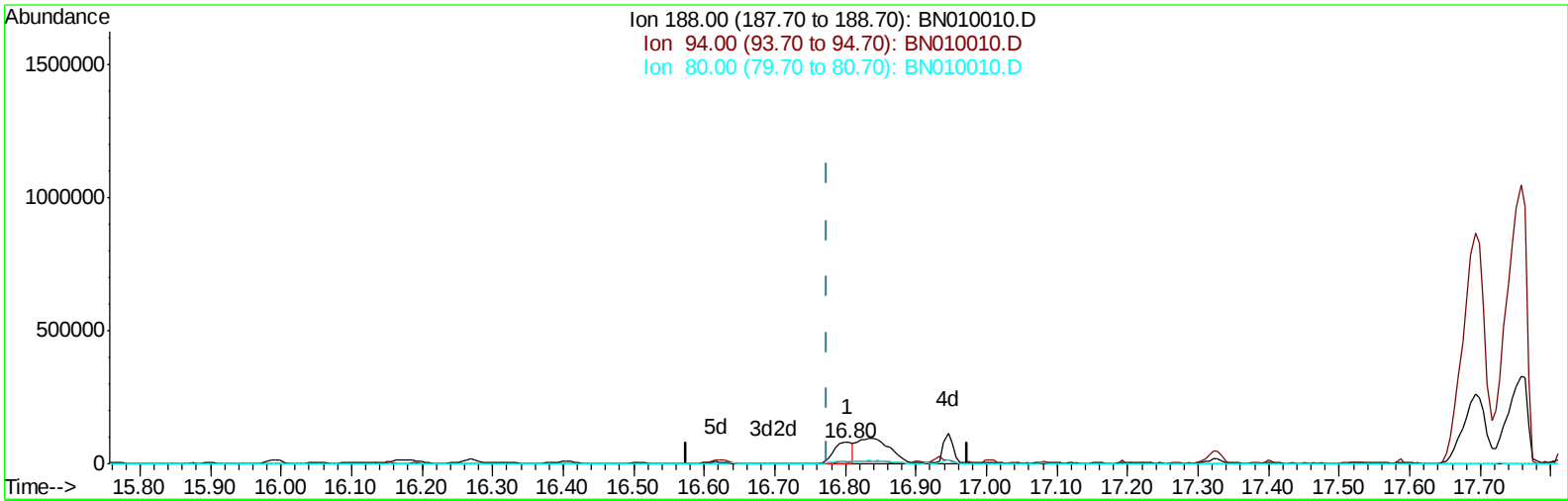
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Quant Time: Mar 02 05:53:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
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TIC: BN010010.D

(62) Phenanthrene-d10 (I)

16.804min (+0.029) 20.00ng/ul

response 152226

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.77
80.00	10.90	12.12
0.00	0.00	0.00

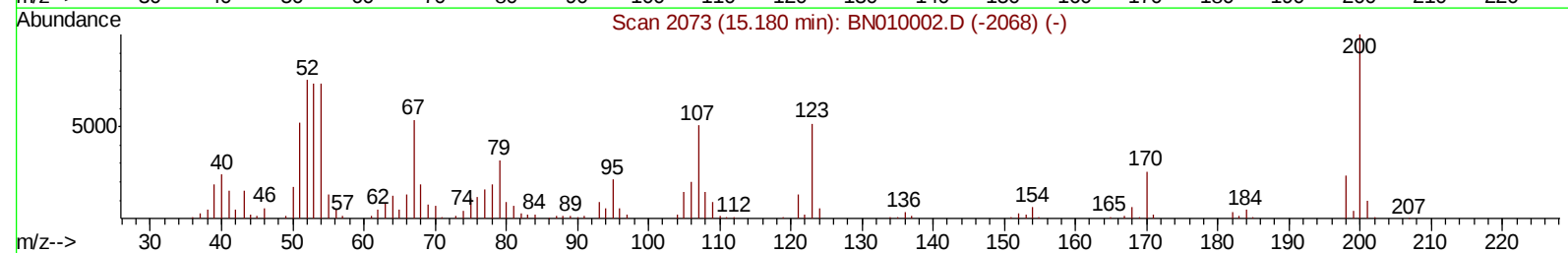
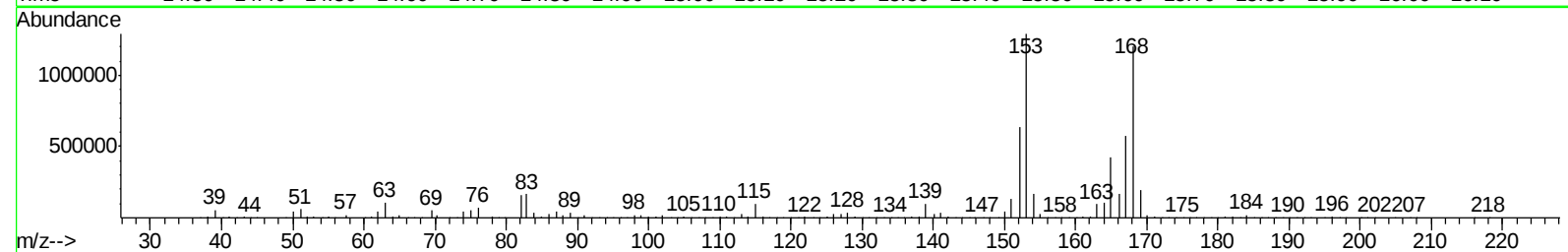
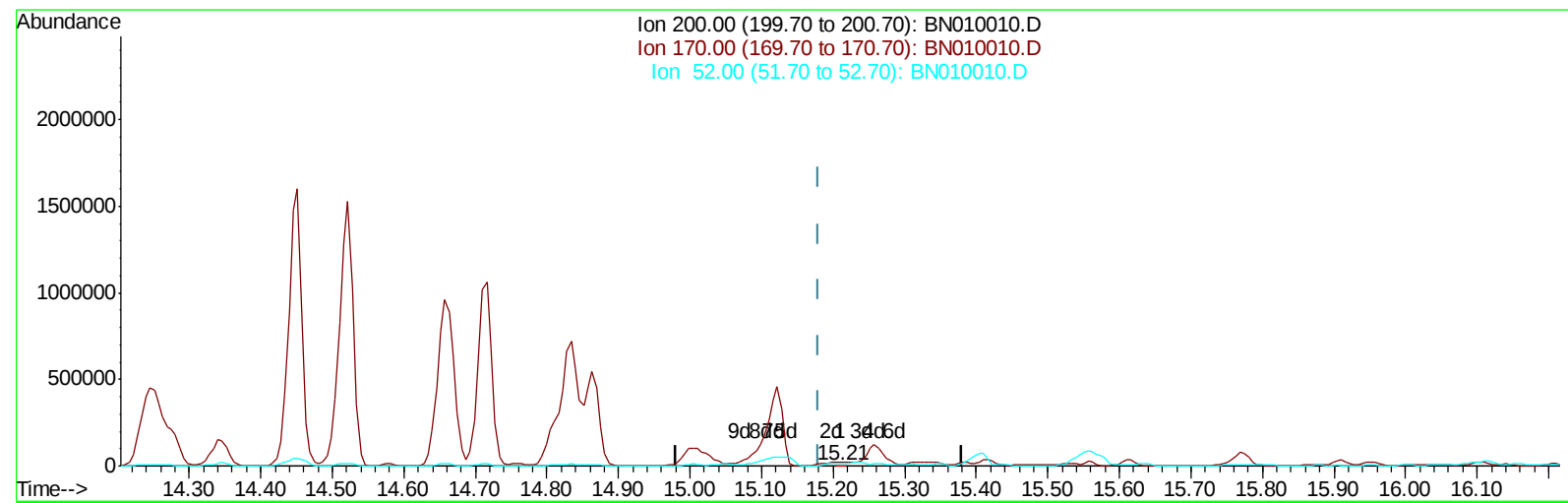
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Quant Time: Mar 02 13:53:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Manual Integrations
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TIC: BN010010.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.210min (+0.029) 0.10ng/ul

response 302

Ion	Exp%	Act%
200.00	100	100
170.00	22.10	1690.03#
52.00	71.30	1091.82#
0.00	0.00	0.00

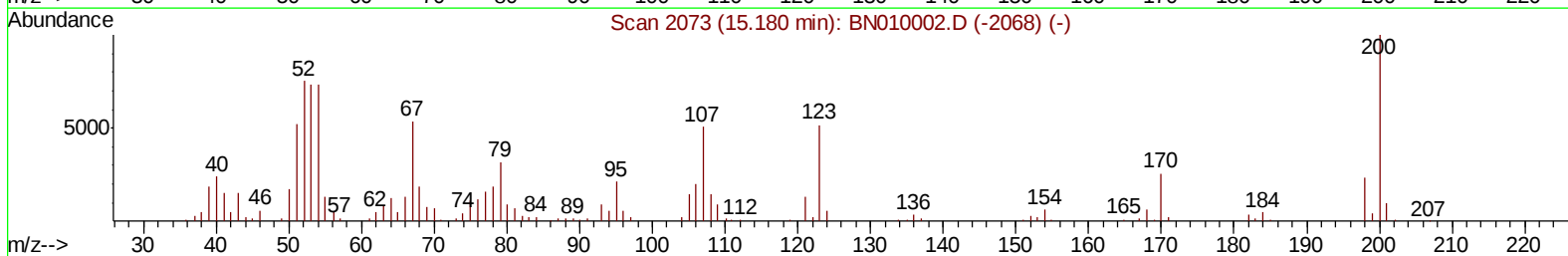
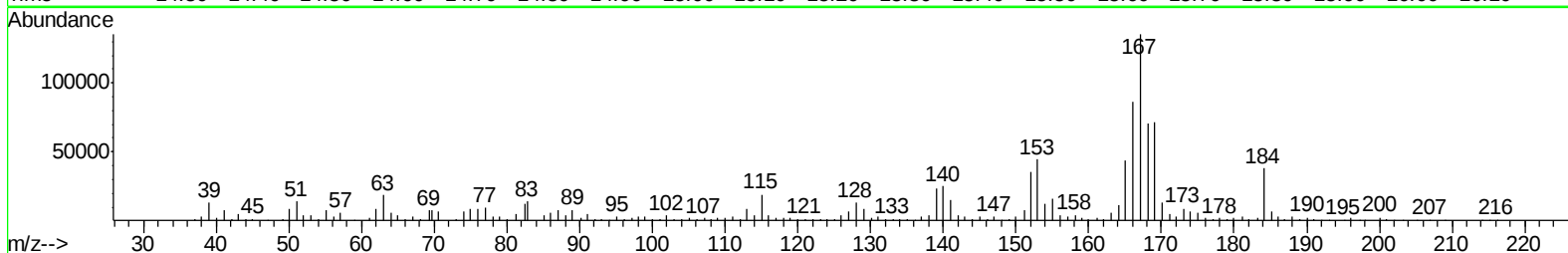
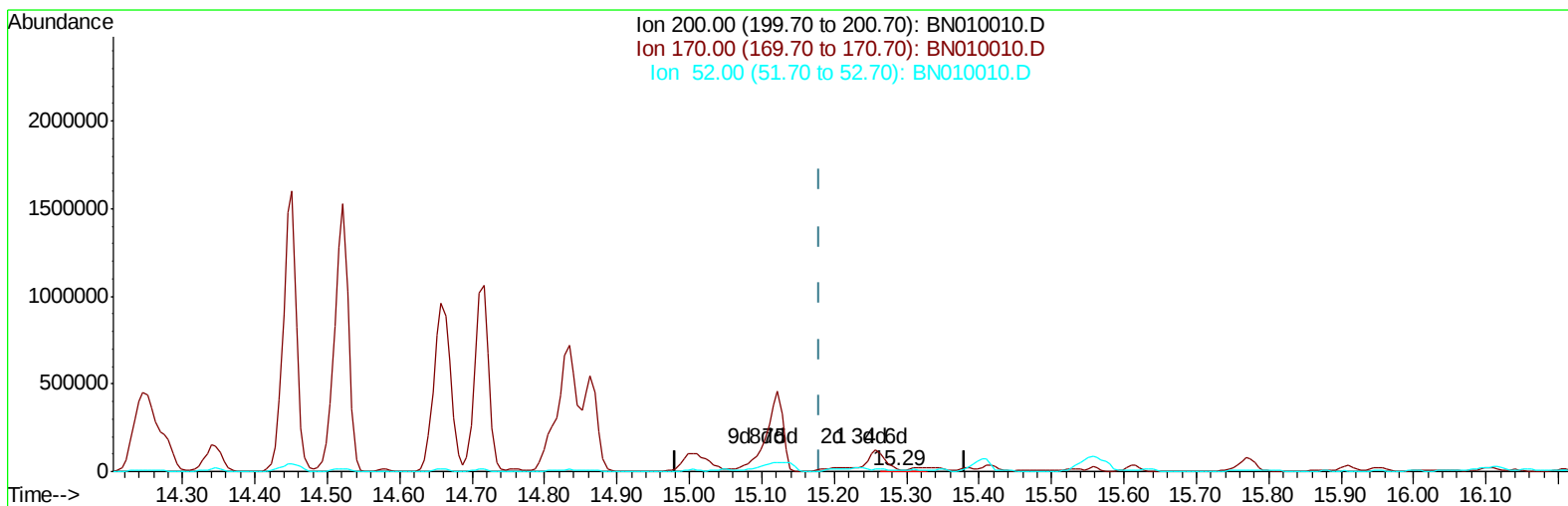
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
 Data File : BN010010.D
 Acq On : 29 Feb 2020 06:19
 Operator : CG/JU
 Sample : L1507-22RX
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R7RX

Manual Integrations
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 3/3/2020 4:59:41 PM

Quant Time: Mar 02 13:53:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



TIC: BN010010.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.287min (+0.106) 1.87ng/ul m

response 5431

Ion	Exp%	Act%
200.00	100	100
170.00	22.10	575.63#
52.00	71.30	172.72#
0.00	0.00	0.00

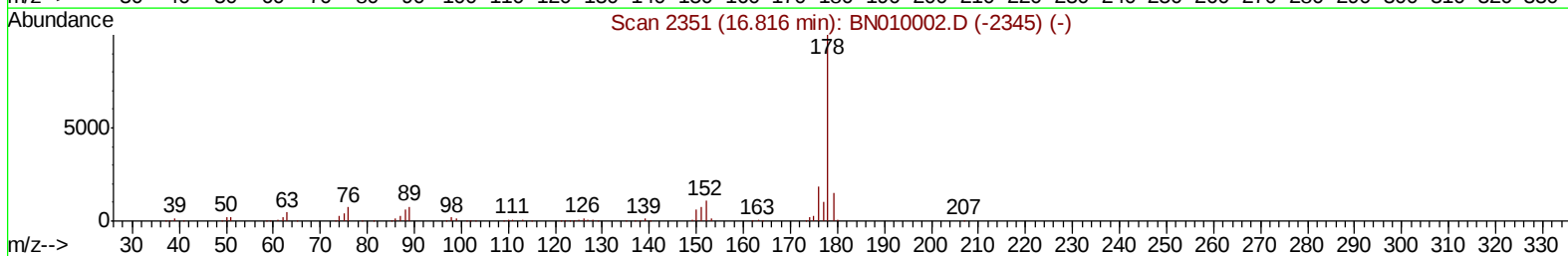
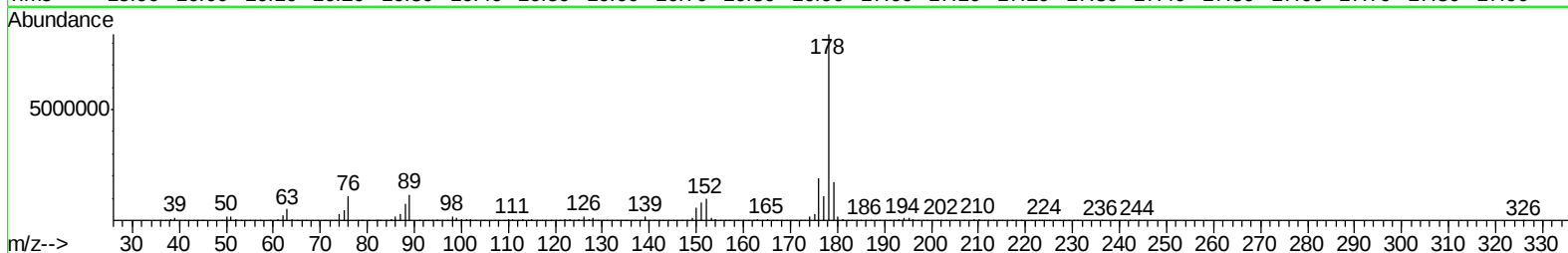
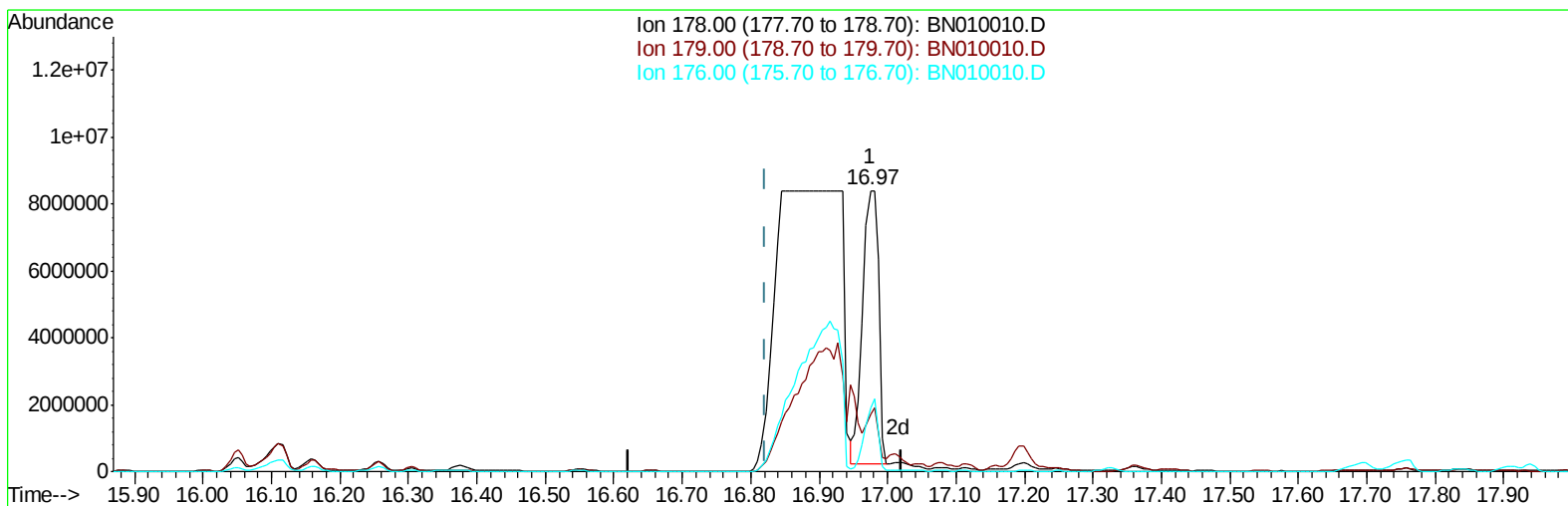
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
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Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
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TIC: BN010010.D

(70) Phenanthrene

16.975min (+0.153) 490.69ng/ul

response 13116287

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	20.39#
176.00	18.30	22.68#
0.00	0.00	0.00

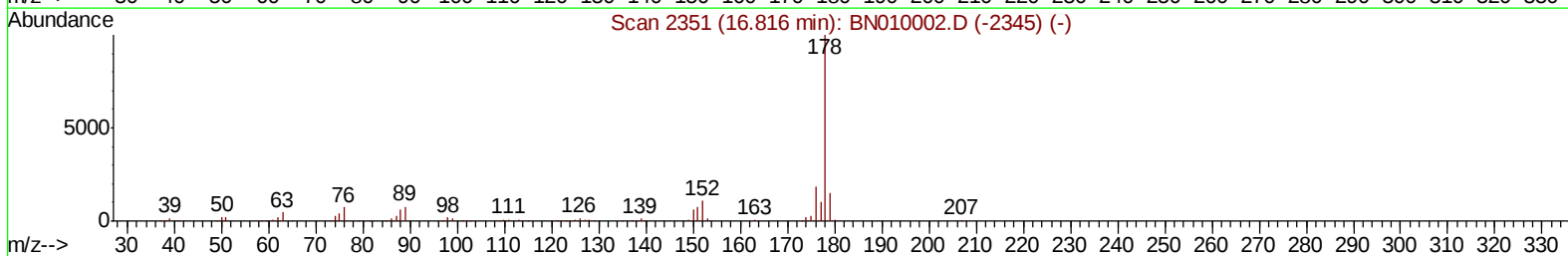
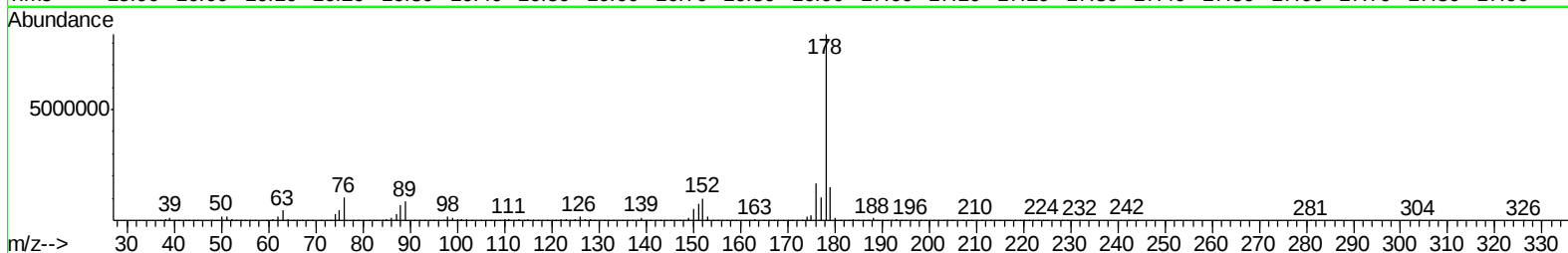
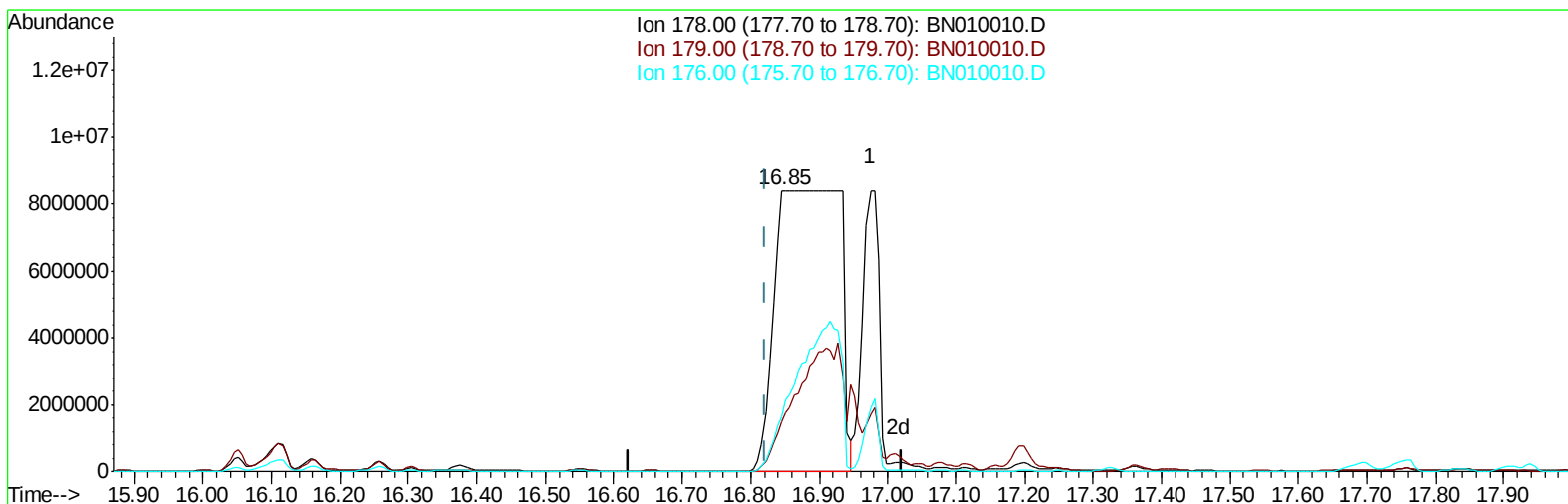
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Quant Time: Mar 02 13:53:03 2020
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Manual Integrations
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TIC: BN010010.D

(70) Phenanthrene

16.845min (+0.024) 2041.04ng/ul m

response 54557697

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	17.85
176.00	18.30	19.77
0.00	0.00	0.00

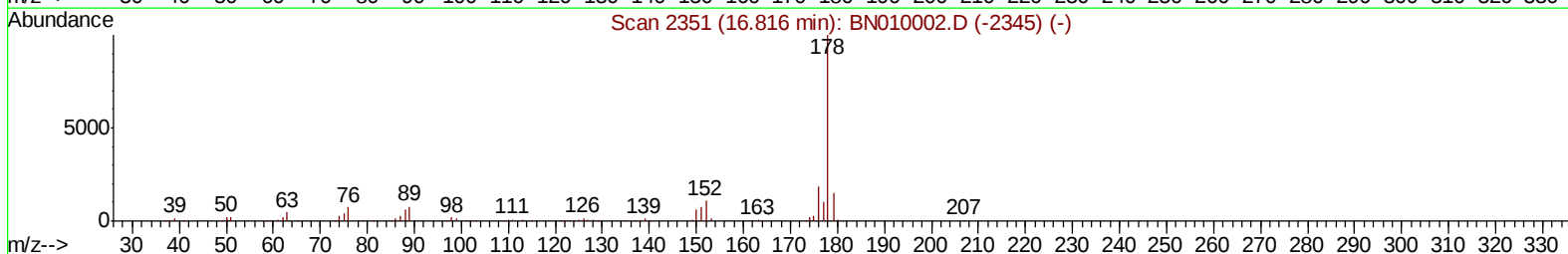
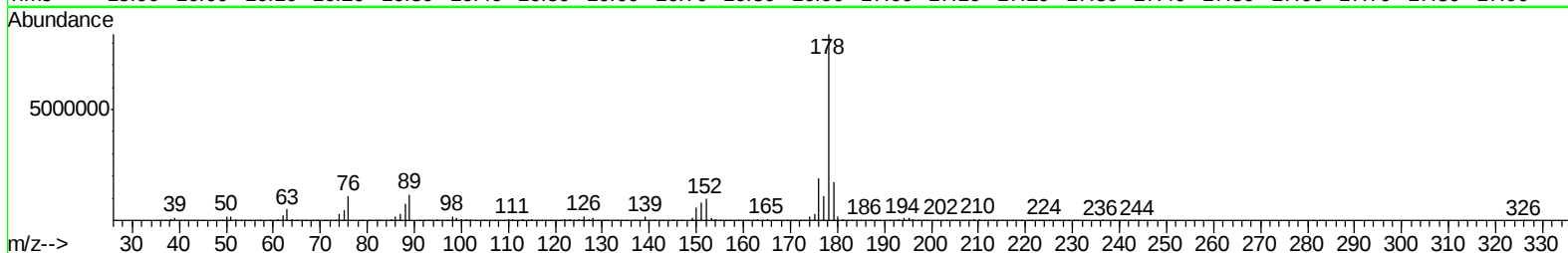
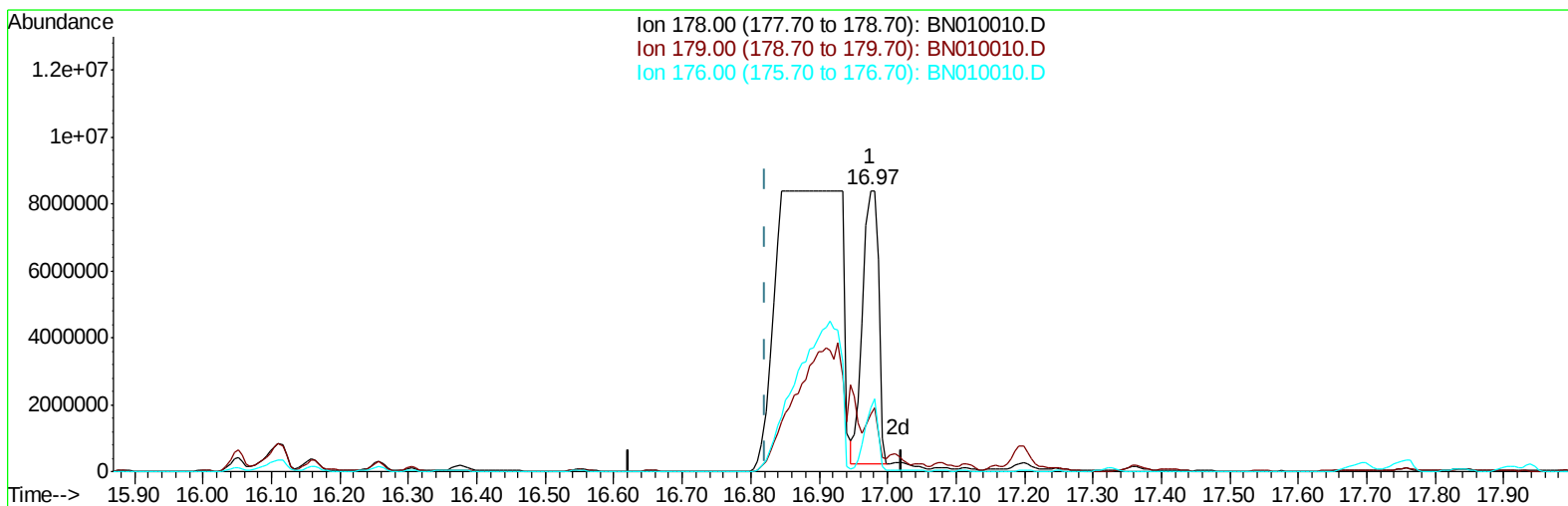
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
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Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Quant Time: Mar 02 13:53:03 2020
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Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:41 PM



TIC: BN010010.D

(70) Phenanthrene

16.975min (+0.153) 490.69ng/ul

response 13116287

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	20.39#
176.00	18.30	22.68#
0.00	0.00	0.00

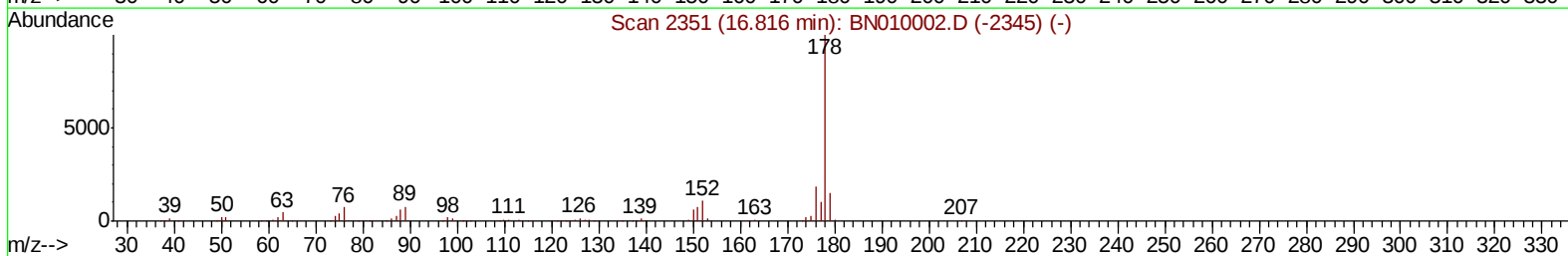
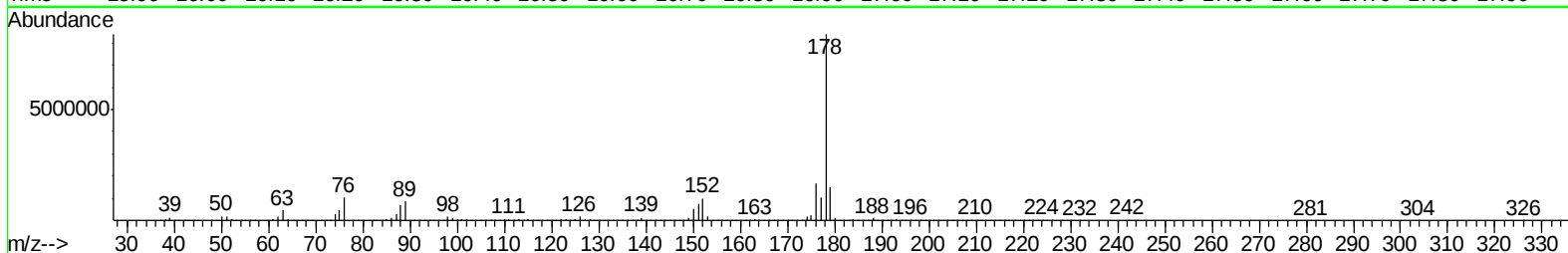
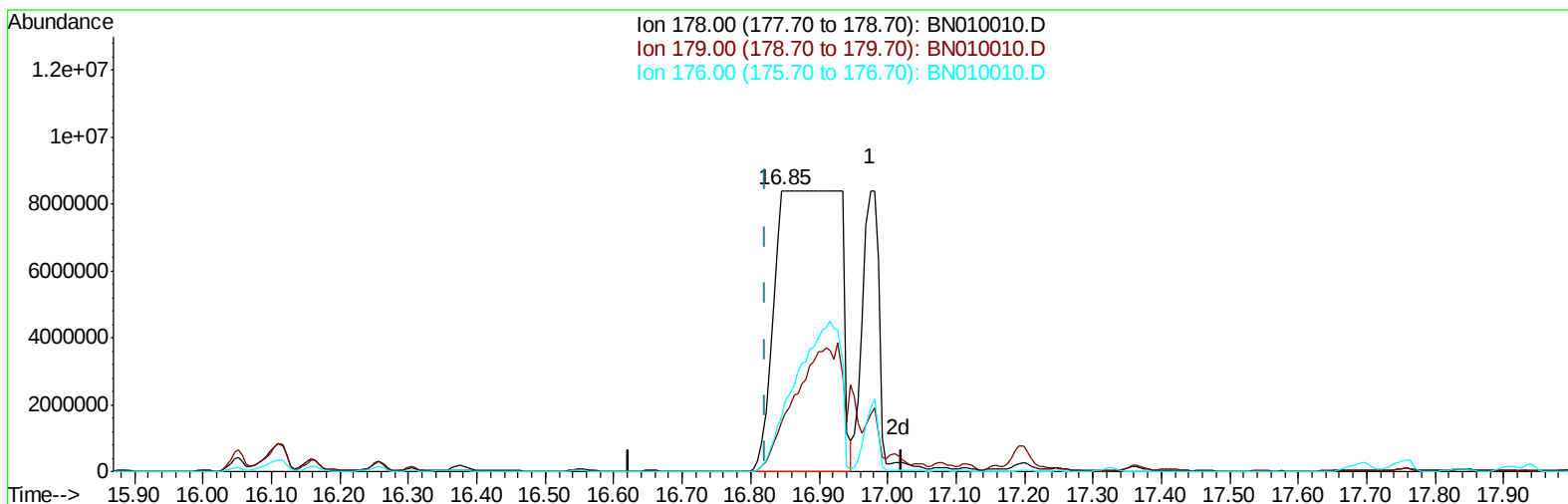
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Instrument :
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Manual Integrations
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TIC: BN010010.D

(70) Phenanthrene

16.845min (+0.024) 2041.04ng/ul m

response 54557697

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	17.85
176.00	18.30	19.77
0.00	0.00	0.00

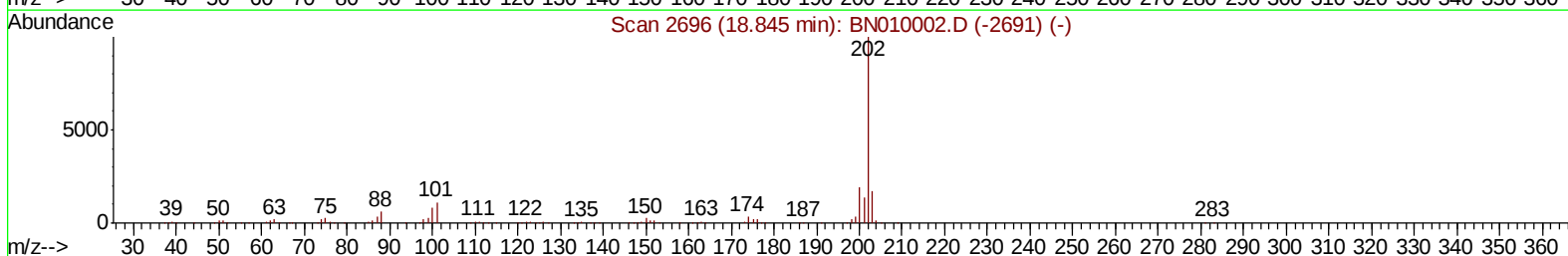
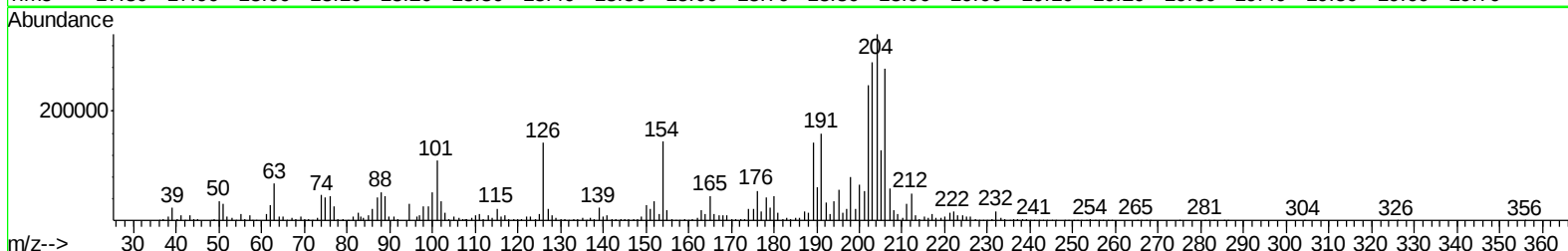
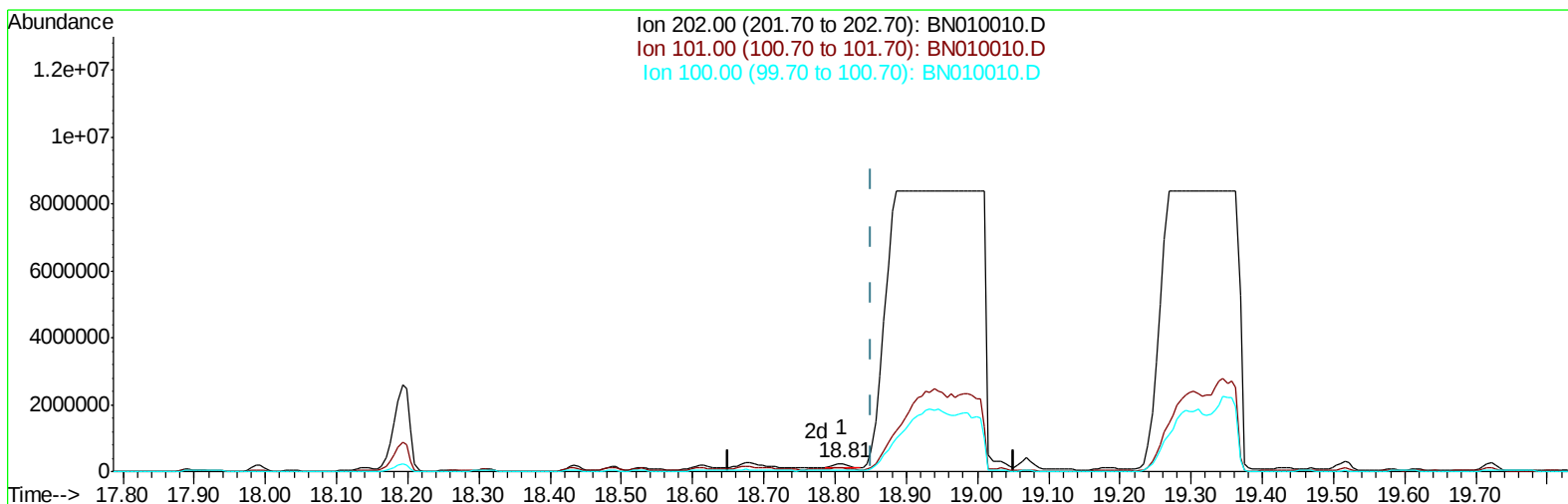
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Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Manual Integrations
APPROVED

mohammad
3/3/2020 4:59:41 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
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QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration



TIC: BN010010.D

(77) Fluoranthene (C)

18.810min (-0.041) 5.62ng/ul

response 176059

Ion	Exp%	Act%
202.00	100	100
101.00	11.80	44.12#
100.00	9.00	20.91#
0.00	0.00	0.00

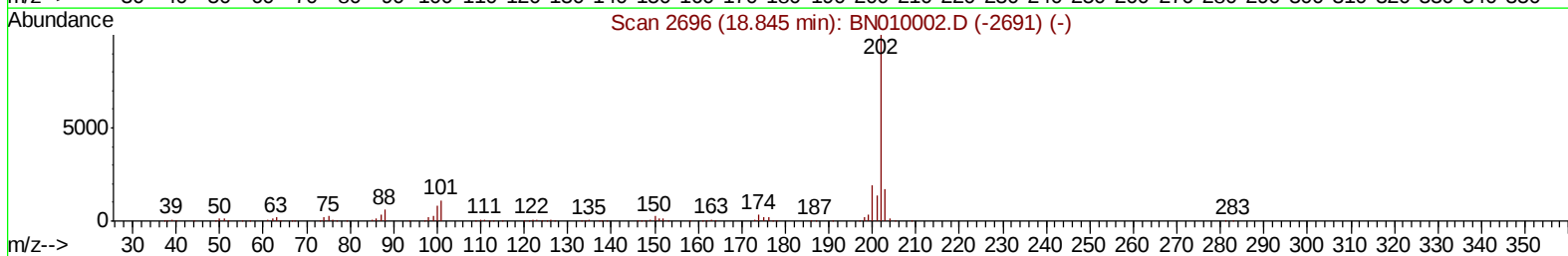
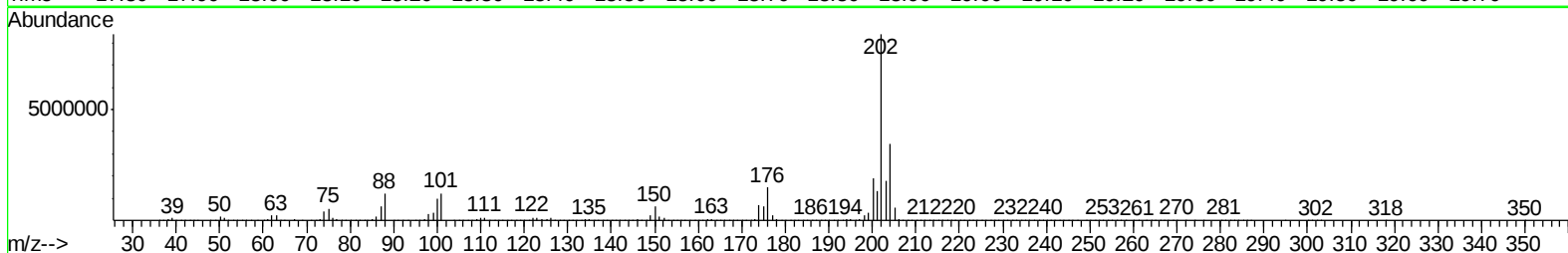
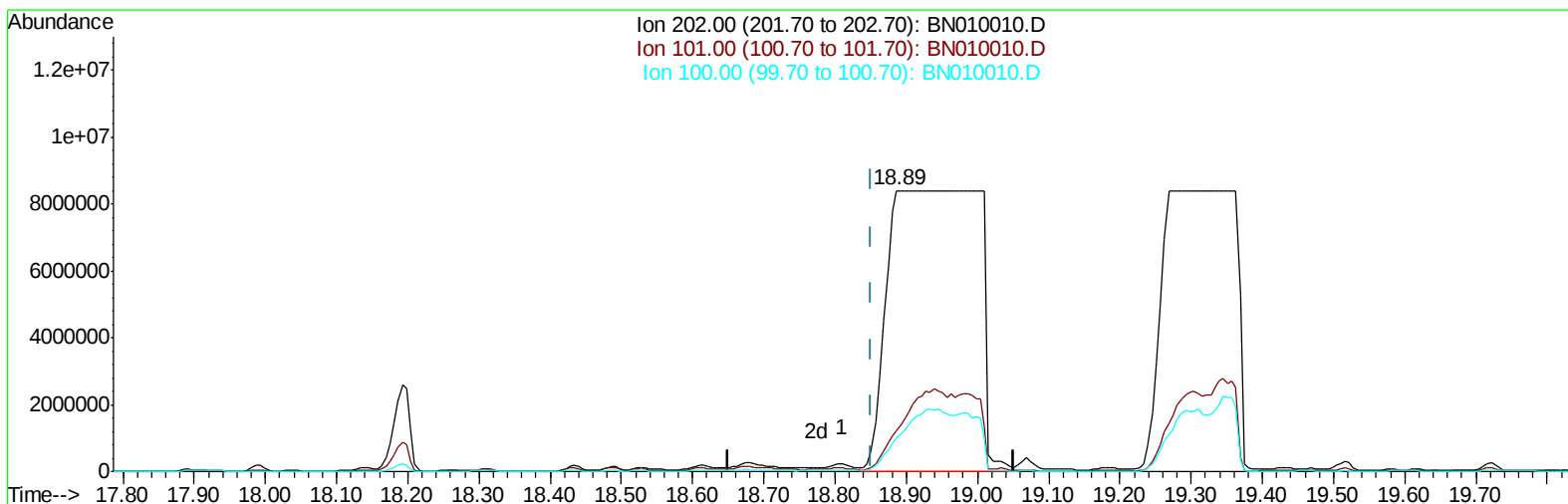
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN022820\
Data File : BN010010.D
Acq On : 29 Feb 2020 06:19
Operator : CG/JU
Sample : L1507-22RX
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R7RX

Quant Time: Mar 02 13:53:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
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Manual Integrations
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TIC: BN010010.D

(77) Fluoranthene (C)

18.886min (+0.035) 2369.91ng/ul m

response 74203803

Ion	Exp%	Act%
202.00	100	100
101.00	11.80	14.62#
100.00	9.00	11.71#
0.00	0.00	0.00

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 ALS Vial : 30 Sample Multiplier: 1

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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	88627	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	384288	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.03	164	247622	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.83	188	468377m	20.00	ng/ul	0.06
78) Chrysene-d12	21.05	240	462397	20.00	ng/ul	0.05
86) Perylene-d12	23.12	264	467624	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	890	0.41	ng/uL	0.01
5) Phenol-d5	6.60	99	26477	3.51	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.74	67	18353	3.53	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	20509	3.61	ng/ul	0.01
13) 4-Methylphenol-d8	8.10	113	22764	3.80	ng/ul	0.01
19) Nitrobenzene-d5	8.53	128	11879	4.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	12149	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	23726	4.01	ng/ul	0.02
29) 4-Chloroaniline-d4	10.24	131	16581	2.50	ng/ul	-0.04
44) Dimethylphthalate-d6	13.46	166	78829	4.26	ng/ul	0.02
47) Acenaphthylene-d8	13.71	160	92055	4.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	17467m	5.17	ng/ul	0.06
58) Fluorene-d10	15.04	176	86002	5.39	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.21	200	302	0.10	ng/ul	0.03
71) Anthracene-d10	16.95	188	102759	4.79	ng/ul	0.07
79) Pyrene-d10	19.23	212	27297	1.13	ng/ul	0.05
90) Benzo(a)pyrene-d12	22.99	264	101839	4.36	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.63	94	12899	1.597	ng/ul#	1
14) Acetophenone	8.20	105	26153	2.677	ng/ul	96
16) 4-Methylphenol	8.18	108	9037	1.393	ng/ul	90
34) 2-Methylnaphthalene	11.79	142	153915	10.696	ng/ul	93
48) Acenaphthylene	13.74	152	2716524	115.216	ng/ul	98
50) Acenaphthene	14.12	153	31594188m	1954.719	ng/ul	
54) Dibenzofuran	14.45	168	18715010	824.947	ng/ul	96
55) 2,4-Dinitrotoluene	14.45	165	94541	16.884	ng/ul#	1
59) Fluorene	15.12	166	28211777m	1481.786	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.25	198	5244	1.673	ng/ul#	1
65) N-Nitrosodiphenylamine	15.32	169	335997	24.178	ng/ul#	1
68) Atrazine	16.33	200	6140	1.165	ng/ul#	10
70) Phenanthrene	16.97	178	13116287	490.689	ng/ul#	89
72) Anthracene	16.97	178	13116287	479.998	ng/ul#	89
75) Carbazole	17.22	167	702331	29.186	ng/ul#	85
76) Di-n-butylphthalate	17.79	149	160332	5.398	ng/ul#	91
77) Fluoranthene	18.81	202	176059	5.623	ng/ul#	38
80) Pyrene	19.18	202	167618	5.028	ng/ul#	77
83) Benzo(a)anthracene	21.09	228	17420556	548.225	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	20.95	149	187717	8.972	ng/ul	97
85) Chrysene	21.09	228	17420556	556.864	ng/ul#	89
88) Benzo(b)fluoranthene	22.52	252	9896525	326.414	ng/ul	98
89) Benzo(k)fluoranthene	22.52	252	9896525	344.728	ng/ul	96

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 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.04	252	3096418	113.550	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	1178475	36.400	ng/ul	94
93) Dibenzo(a,h)anthracene	25.16	278	396135	14.303	ng/ul#	83
94) Benzo(g,h,i)perylene	25.78	276	728593	26.839	ng/ul	97

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

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