

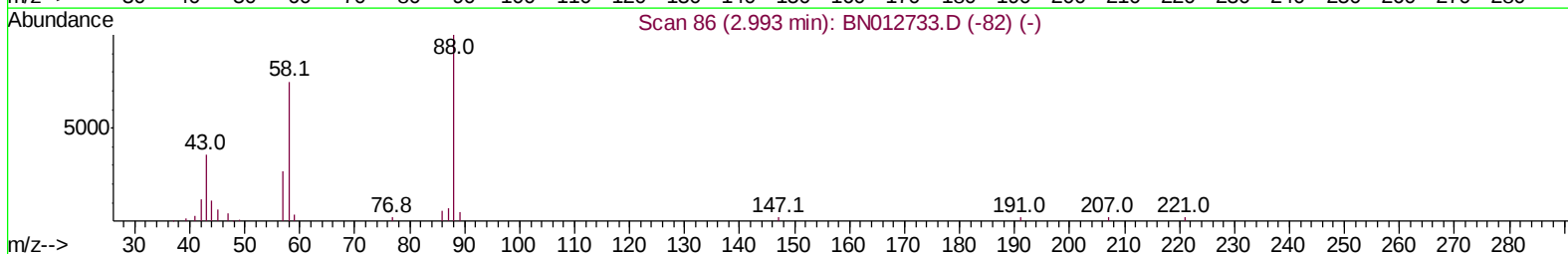
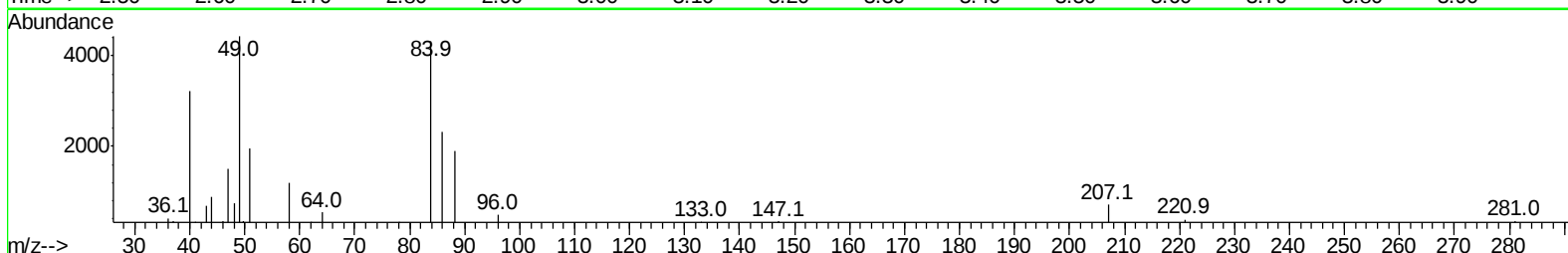
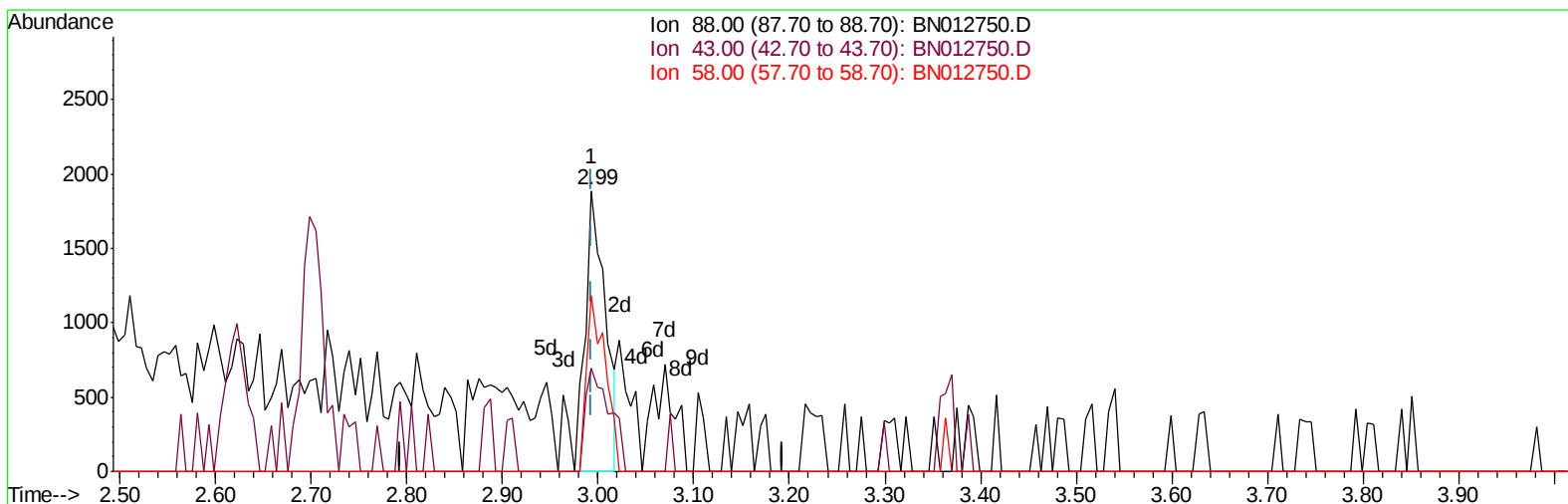
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-05

Manual Integrations
APPROVED

mohammad
11/30/2020 12:00:52 PM

Quant Time: Nov 27 13:37:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN112520.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 27 10:53:49 2020
Response via : Initial Calibration



TIC: BN012750.D

(2) 1,4-Dioxane

2.993min (-0.000) 0.90ng/uL

response 2748

Ion	Exp%	Act%
88.00	100	100
43.00	36.70	37.01
58.00	72.80	62.62
0.00	0.00	0.00

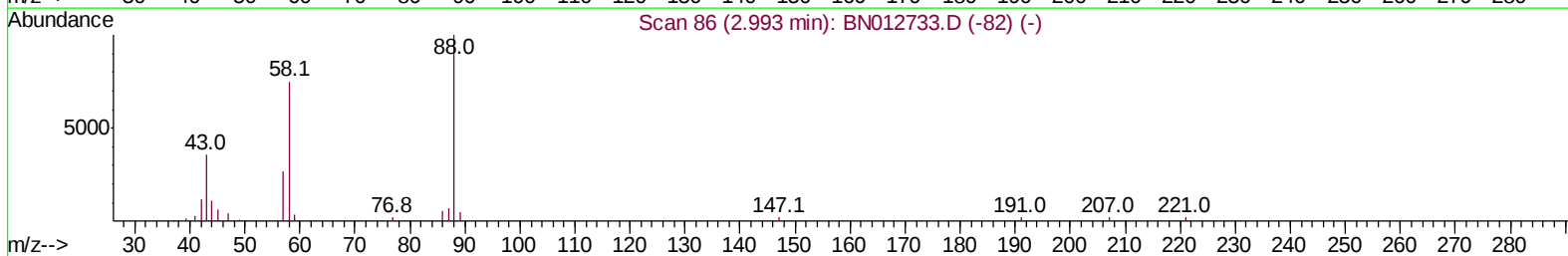
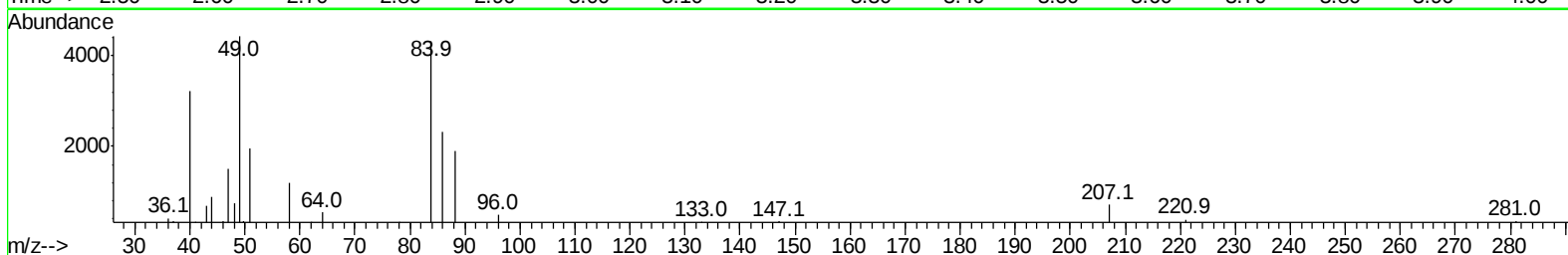
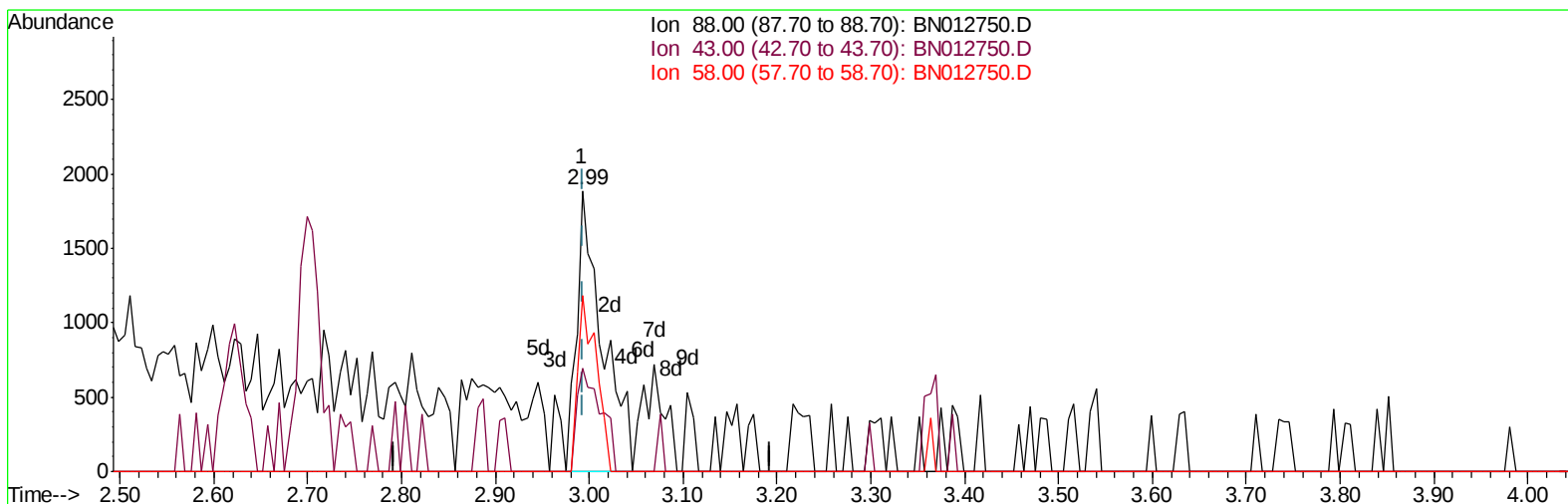
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Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
11/30/2020 12:00:52 PM

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Response via : Initial Calibration



TIC: BN012750.D

(2) 1,4-Dioxane

2.993min (-0.000) 1.18ng/uL m

response 3594

Ion	Exp%	Act%
88.00	100	100
43.00	36.70	37.01
58.00	72.80	62.62
0.00	0.00	0.00

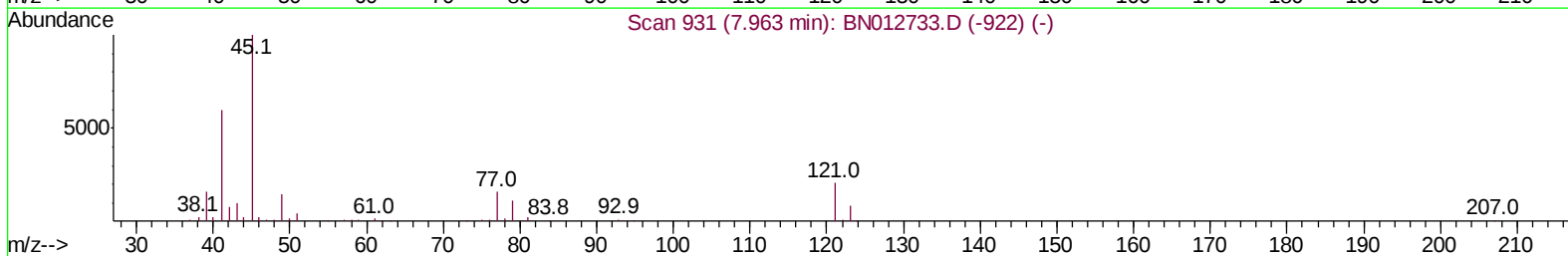
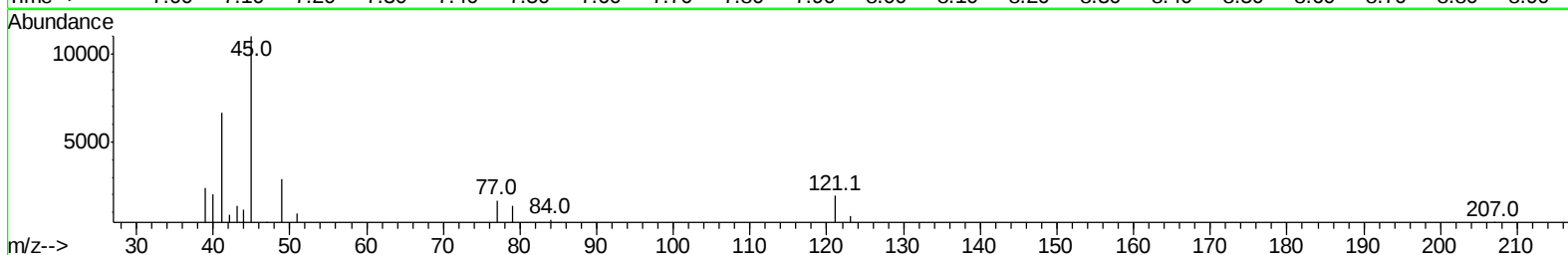
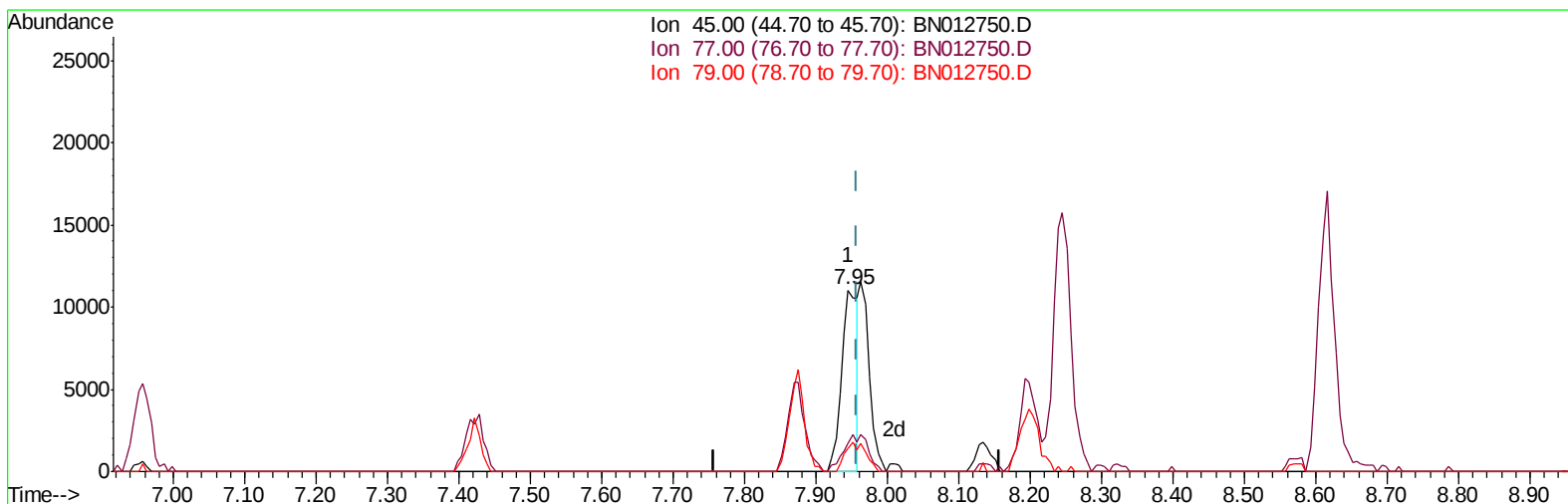
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Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
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Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: BN012750.D

(14) 2,2'-oxybis(1-Chloropropane)

7.946min (-0.012) 1.53ng/ul

response 16962

Ion	Exp%	Act%
45.00	100	100
77.00	16.40	15.31
79.00	12.20	12.56
0.00	0.00	0.00

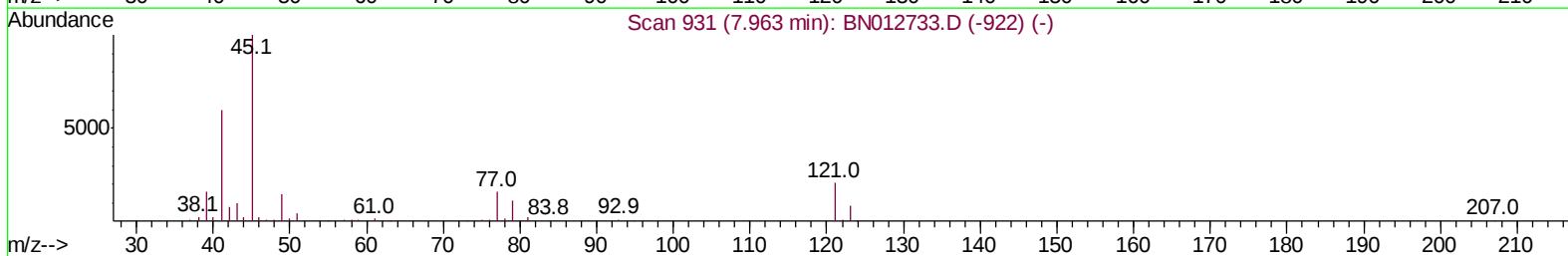
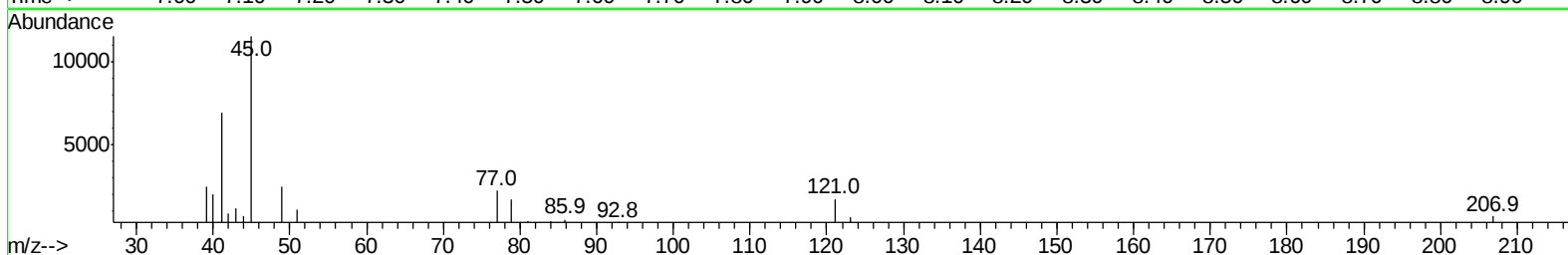
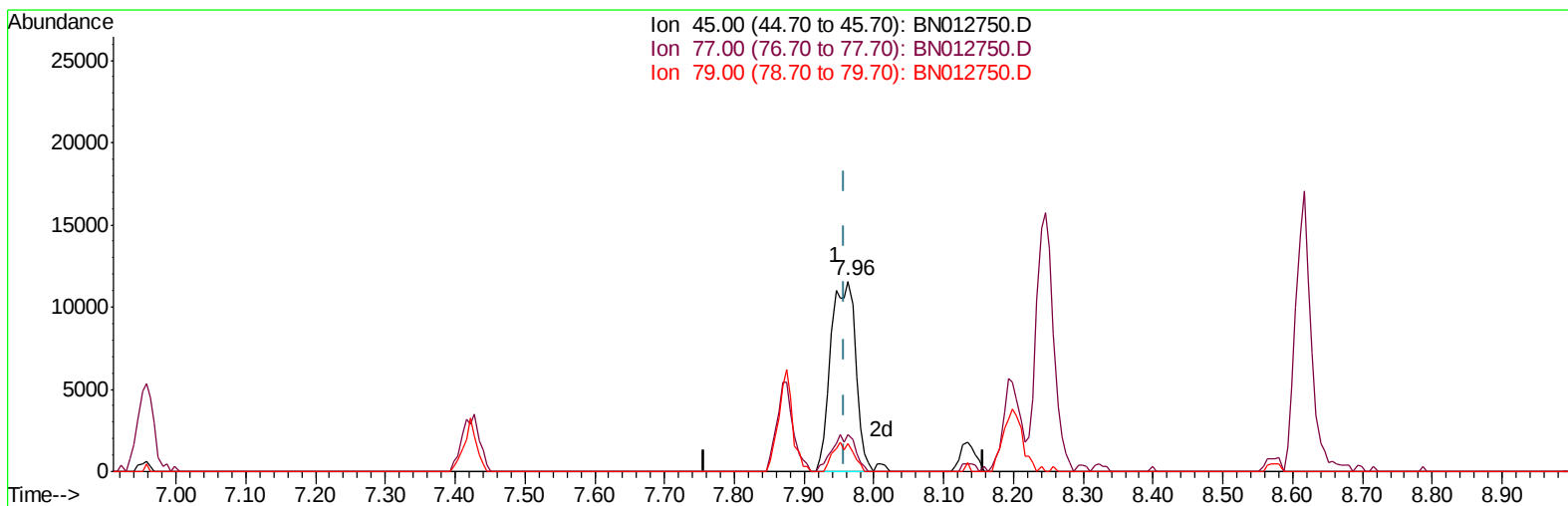
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

mohammad
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Response via : Initial Calibration



TIC: BN012750.D

(14) 2,2'-oxybis(1-Chloropropane)

7.963min (+0.006) 2.54ng/ul m

response 28153

Ion	Exp%	Act%
45.00	100	100
77.00	16.40	19.57
79.00	12.20	14.64
0.00	0.00	0.00

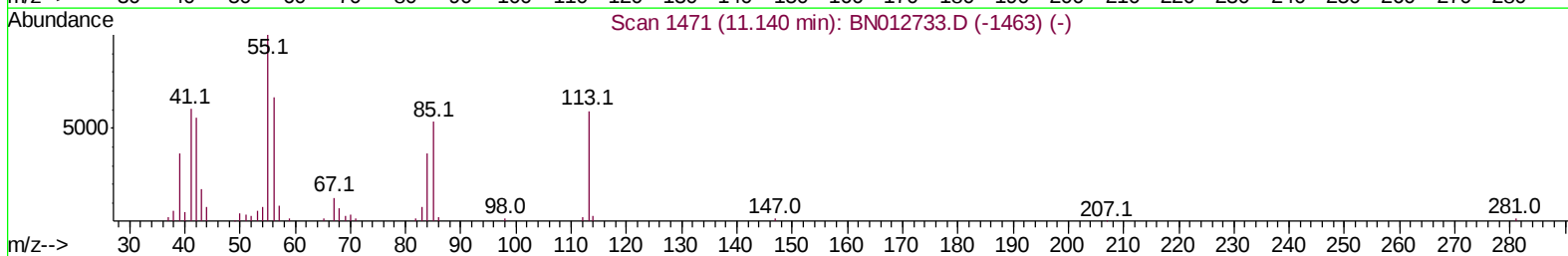
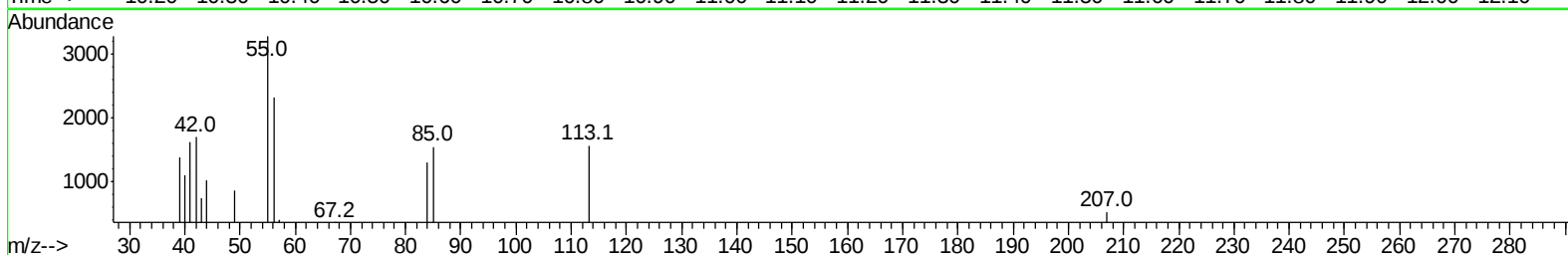
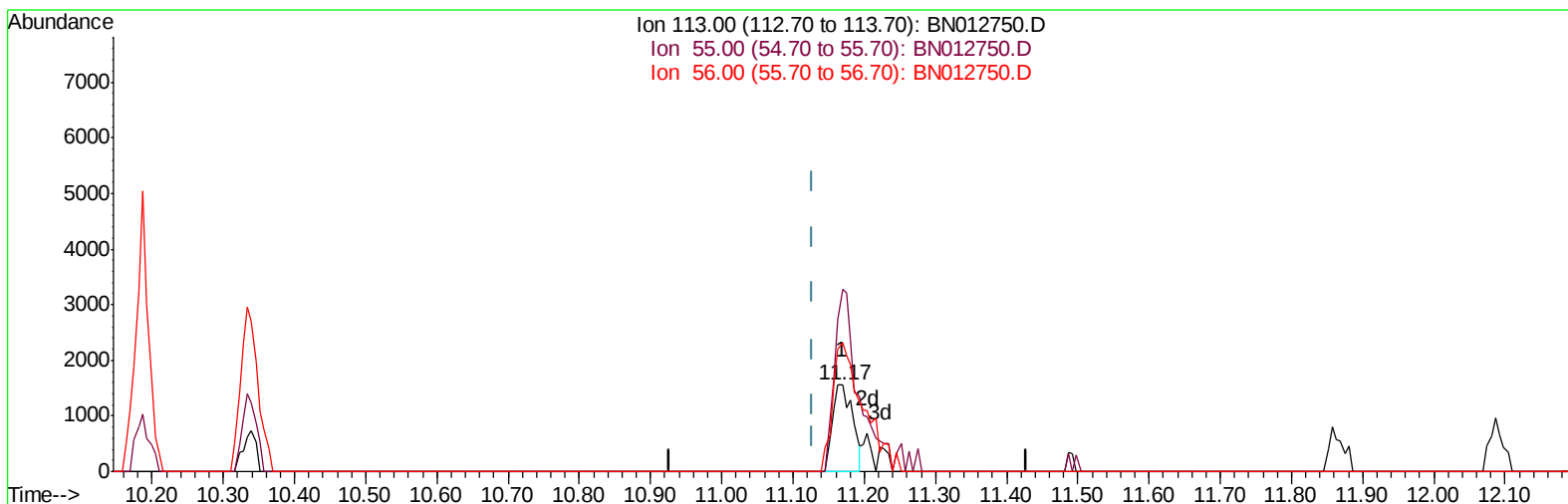
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

mohammad
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TIC: BN012750.D

(34) Caprolactam

11.169min (+0.041) 1.25ng/ul

response 3021

Ion	Exp%	Act%
113.00	100	100
55.00	169.30	210.21#
56.00	112.70	148.52#
0.00	0.00	0.00

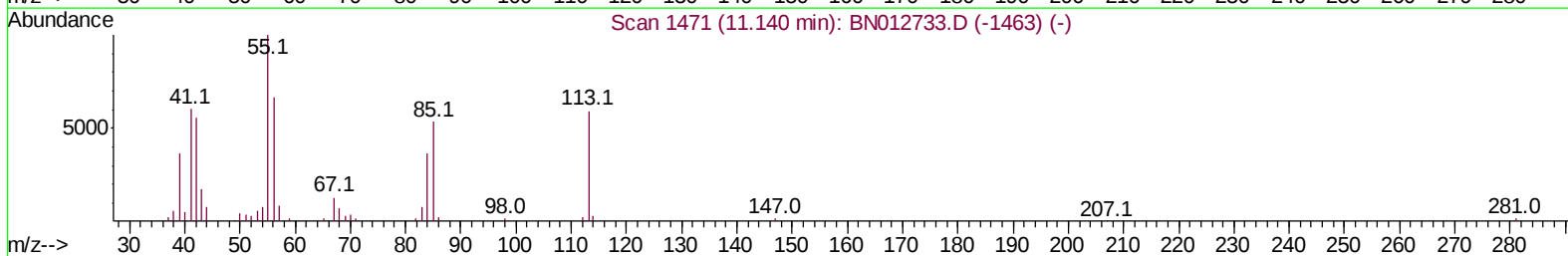
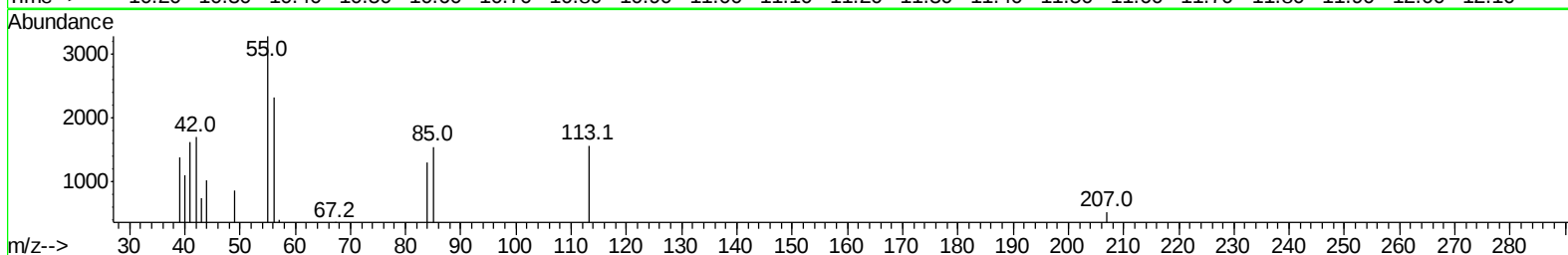
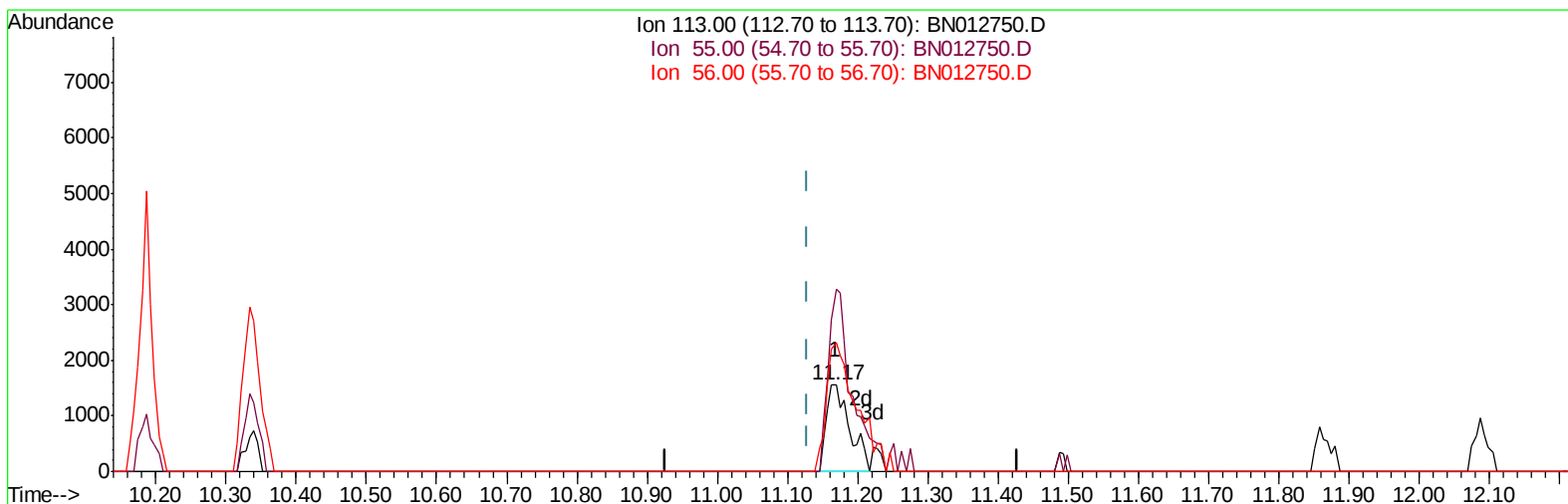
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-05

Manual Integrations
APPROVED

mohammad
11/30/2020 12:00:52 PM

Quant Time: Nov 27 13:37:52 2020
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BN012750.D

(34) Caprolactam

11.169min (+0.041) 1.49ng/ul m

response 3583

Ion	Exp%	Act%
113.00	100	100
55.00	169.30	210.21#
56.00	112.70	148.52#
0.00	0.00	0.00

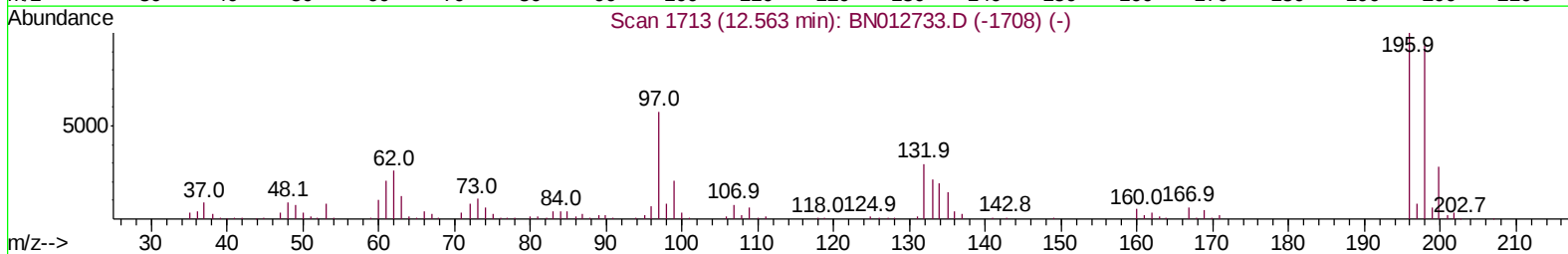
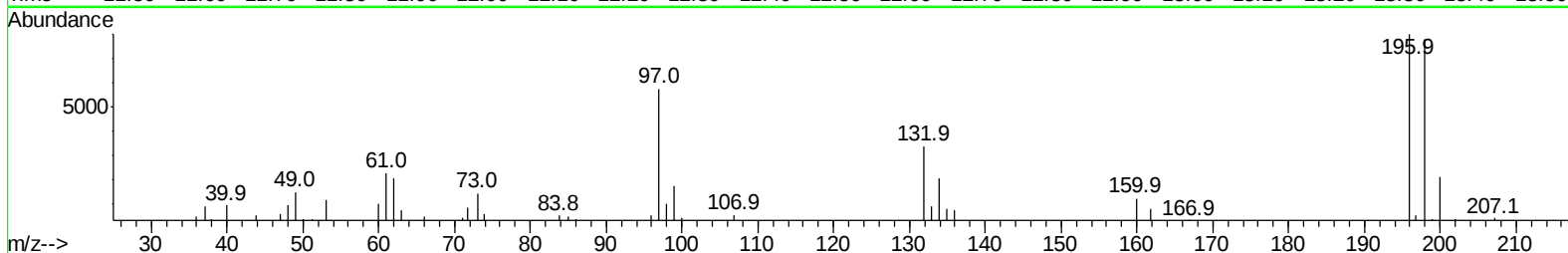
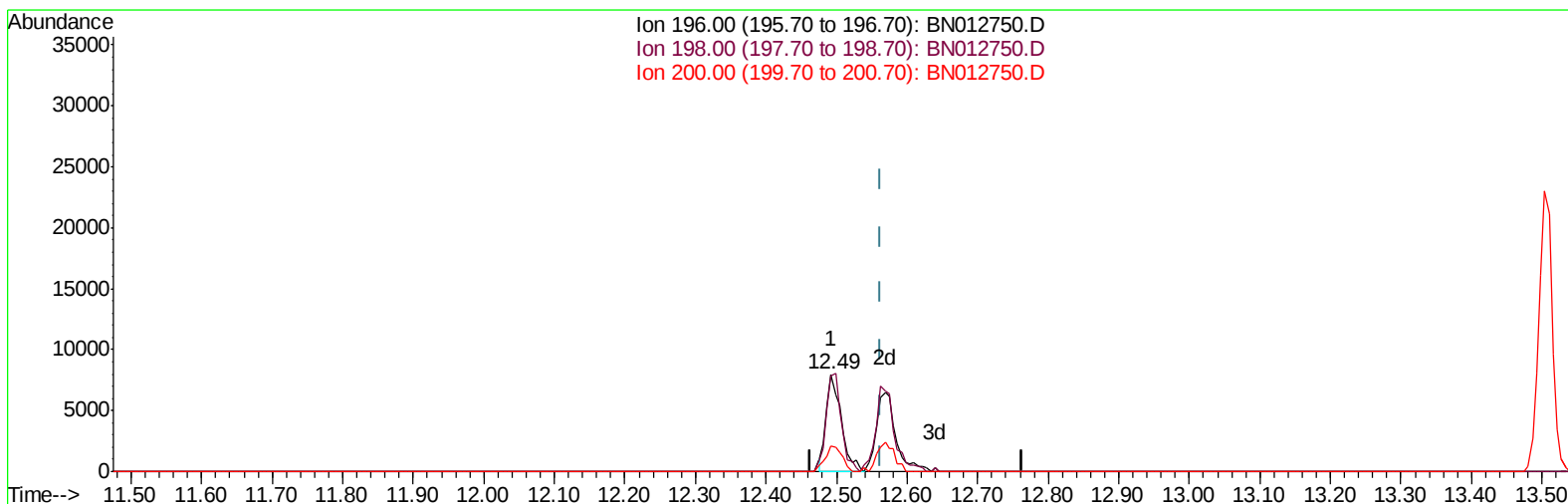
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Instrument :
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Manual Integrations
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Response via : Initial Calibration



TIC: BN012750.D

(42) 2,4,5-Trichlorophenol

12.492min (-0.071) 1.90ng/ul

response 12013

Ion	Exp%	Act%
196.00	100	100
198.00	93.60	97.45
200.00	28.50	26.38
0.00	0.00	0.00

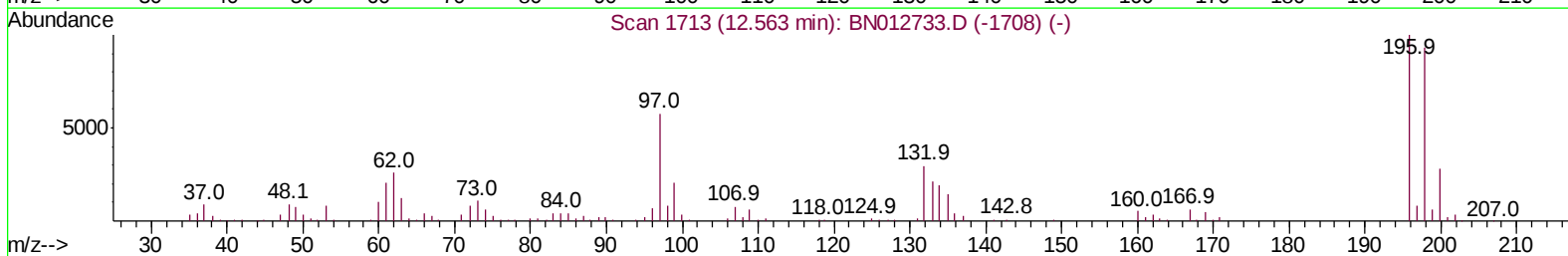
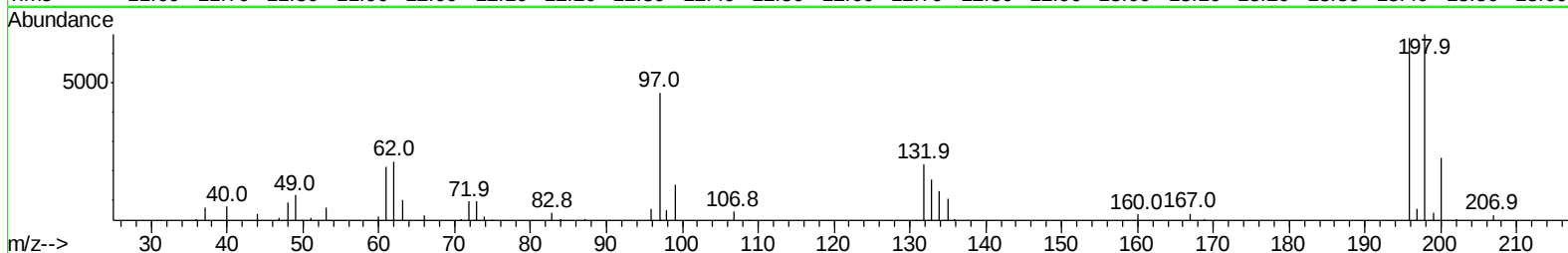
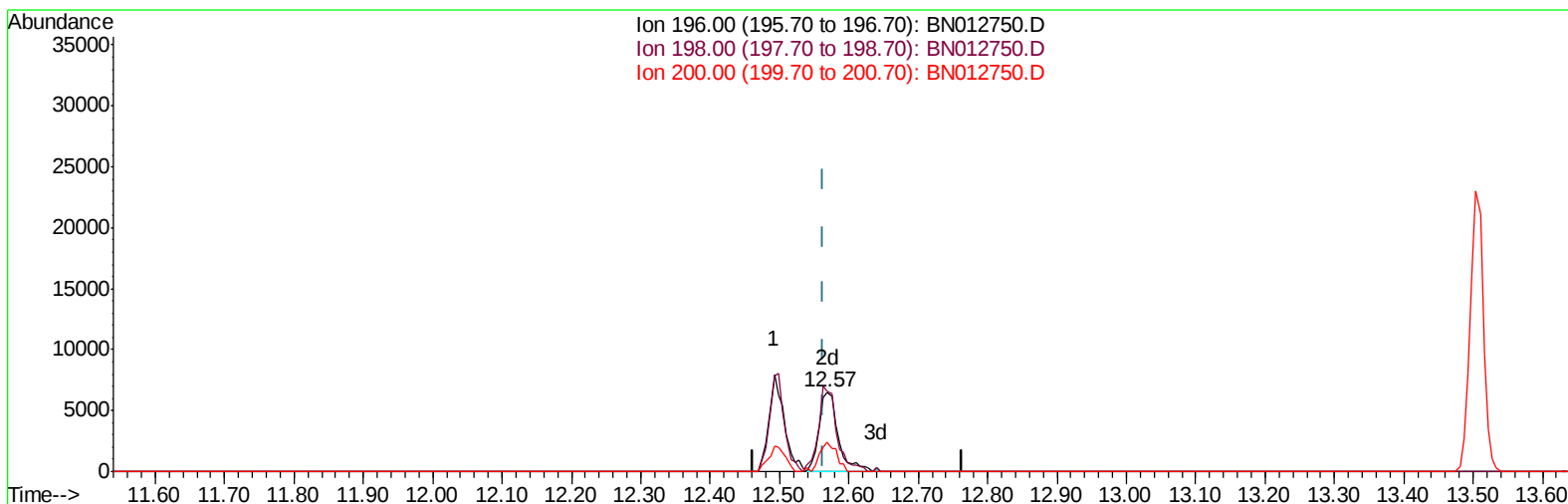
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-05

Manual Integrations
APPROVED

mohammad
11/30/2020 12:00:52 PM

Quant Time: Nov 27 13:37:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN112520.M
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Response via : Initial Calibration



TIC: BN012750.D

(42) 2,4,5-Trichlorophenol

12.569min (+0.006) 1.99ng/ul m

response 12574

Ion	Exp%	Act%
196.00	100	100
198.00	93.60	101.95
200.00	28.50	37.05#
0.00	0.00	0.00

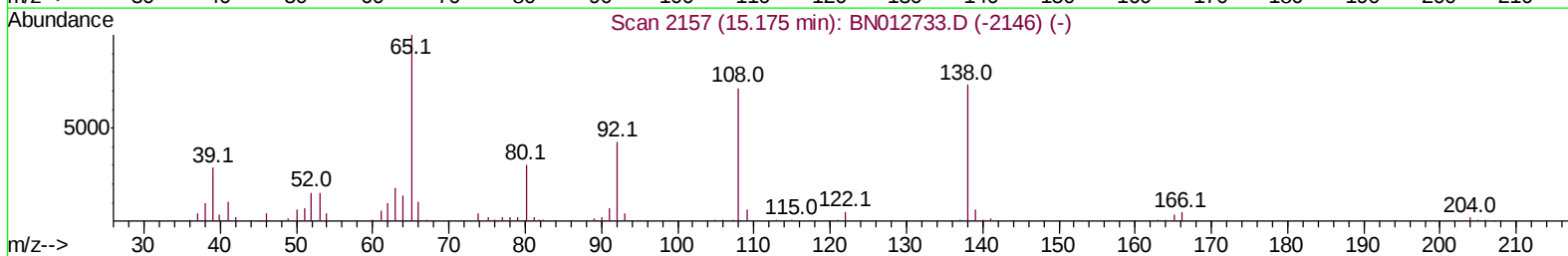
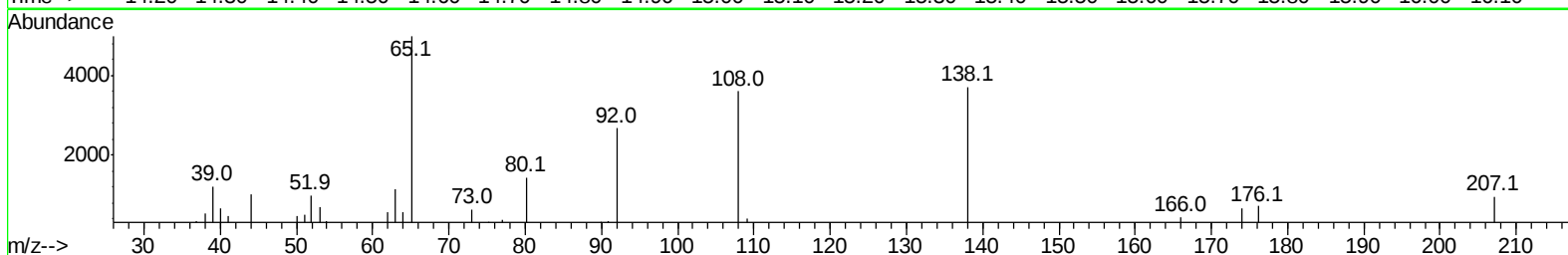
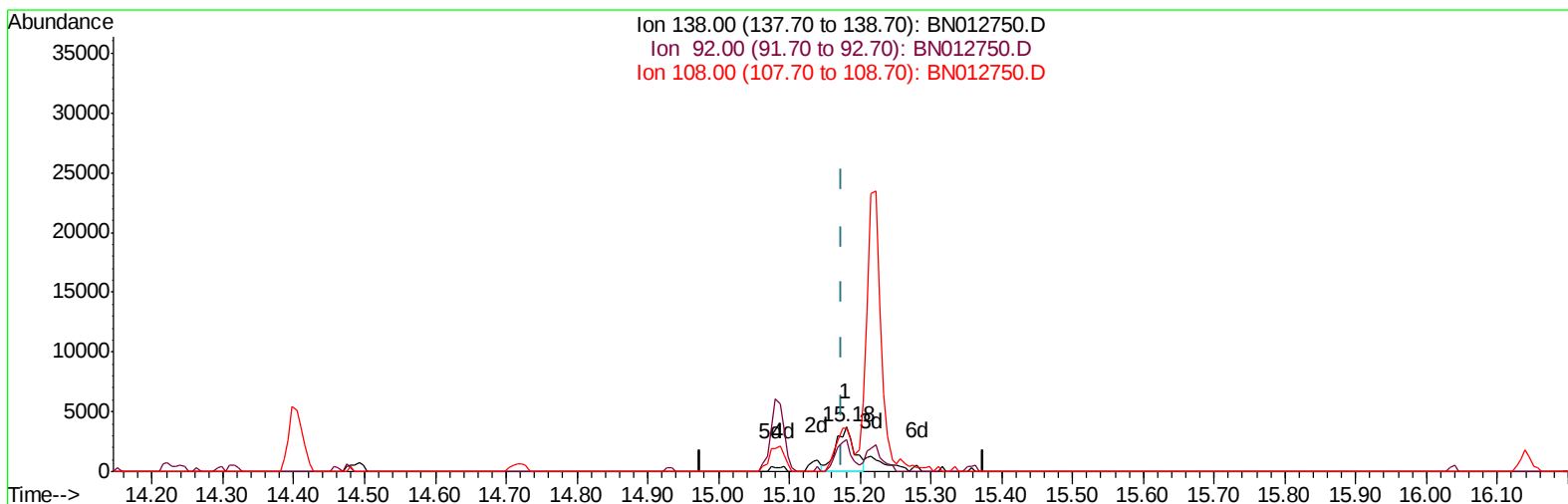
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 Acq On : 27 Nov 2020 13:07
 Operator : CG/JU
 Sample : L4485-12
 Misc : MDL-WATER-05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-05

Manual Integrations
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 Response via : Initial Calibration



TIC: BN012750.D

(63) 4-Nitroaniline

15.181min (+0.006) 1.70ng/ul

response 6690

Ion	Exp%	Act%
138.00	100	100
92.00	58.70	71.84#
108.00	97.80	97.01
0.00	0.00	0.00

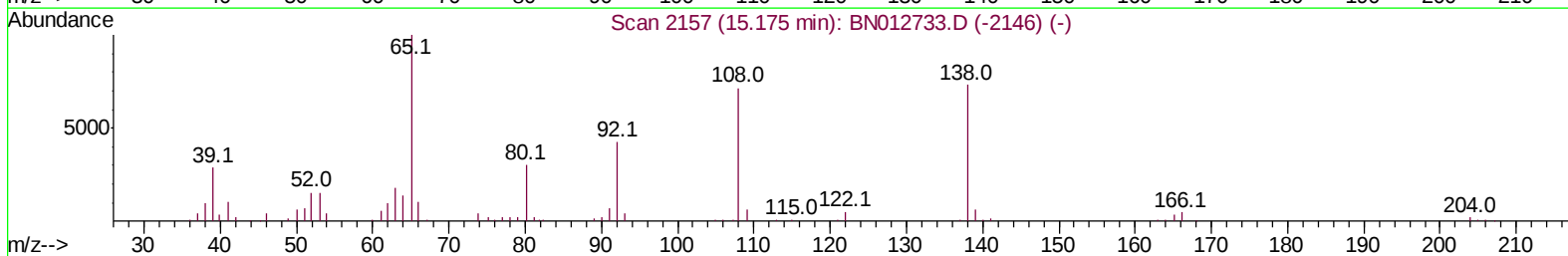
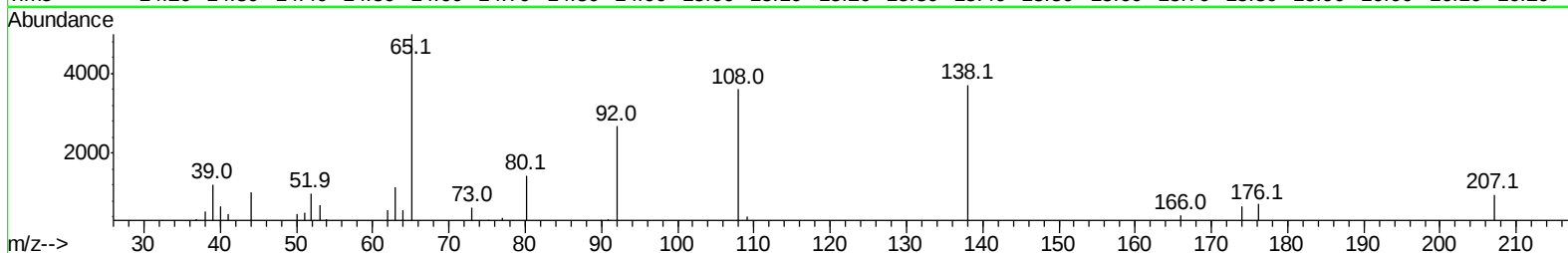
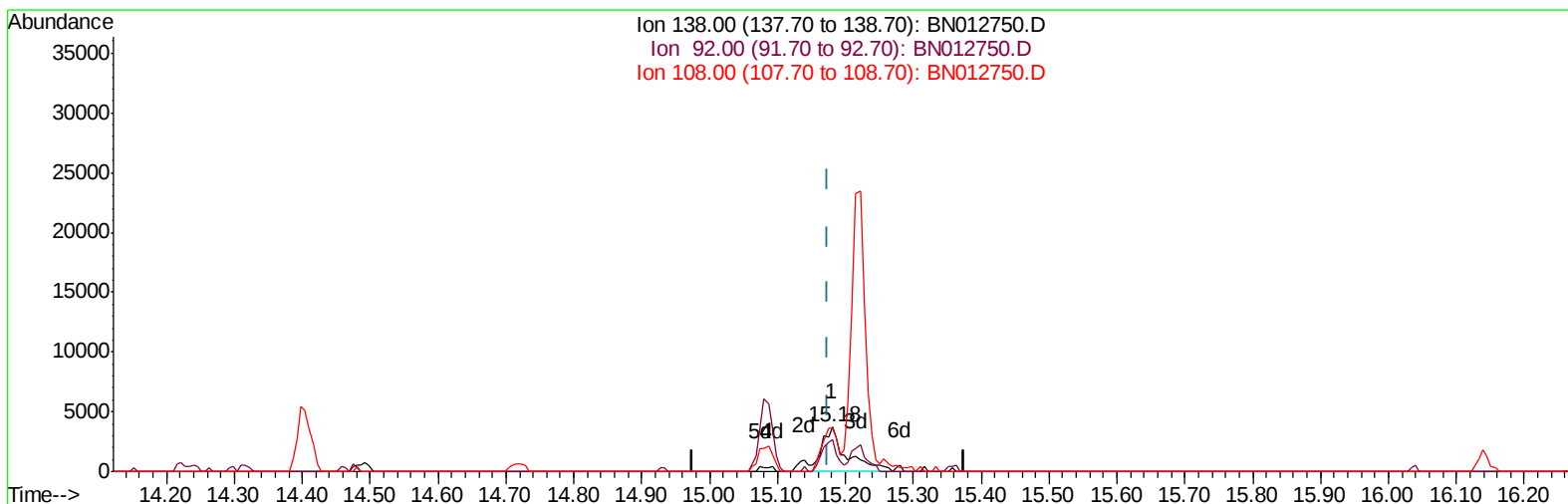
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Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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11/30/2020 12:00:52 PM

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TIC: BN012750.D

(63) 4-Nitroaniline

15.181min (+0.006) 2.60ng/ul m

response 10217

Ion	Exp%	Act%
138.00	100	100
92.00	58.70	71.84#
108.00	97.80	97.01
0.00	0.00	0.00

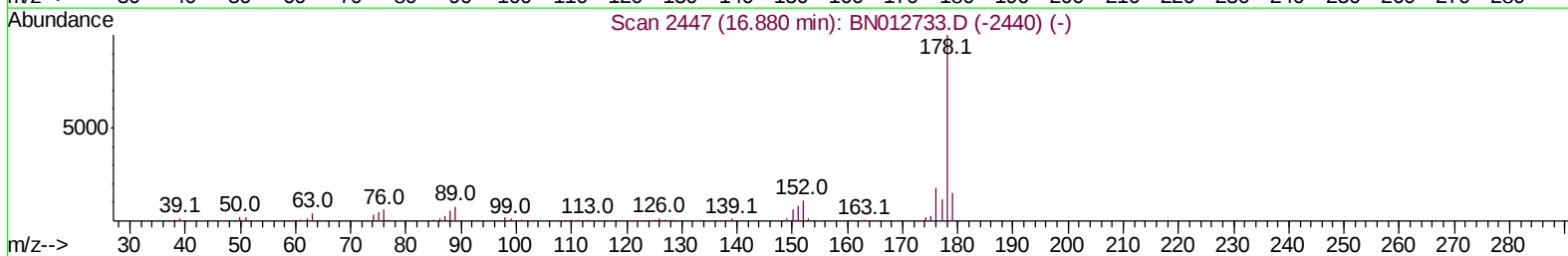
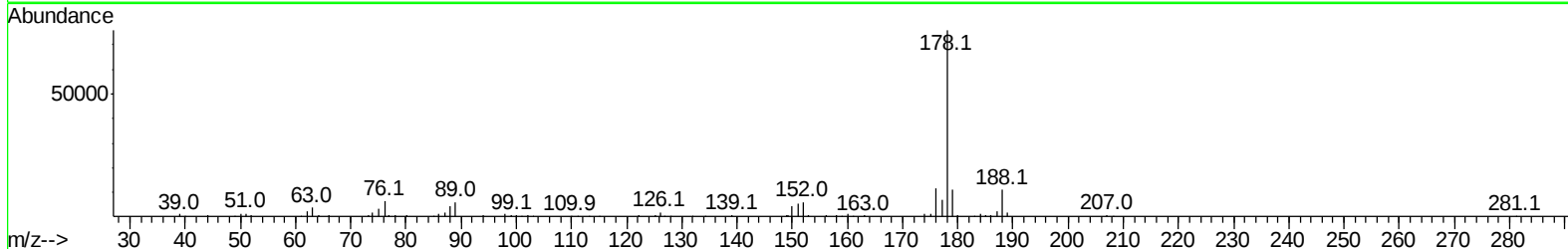
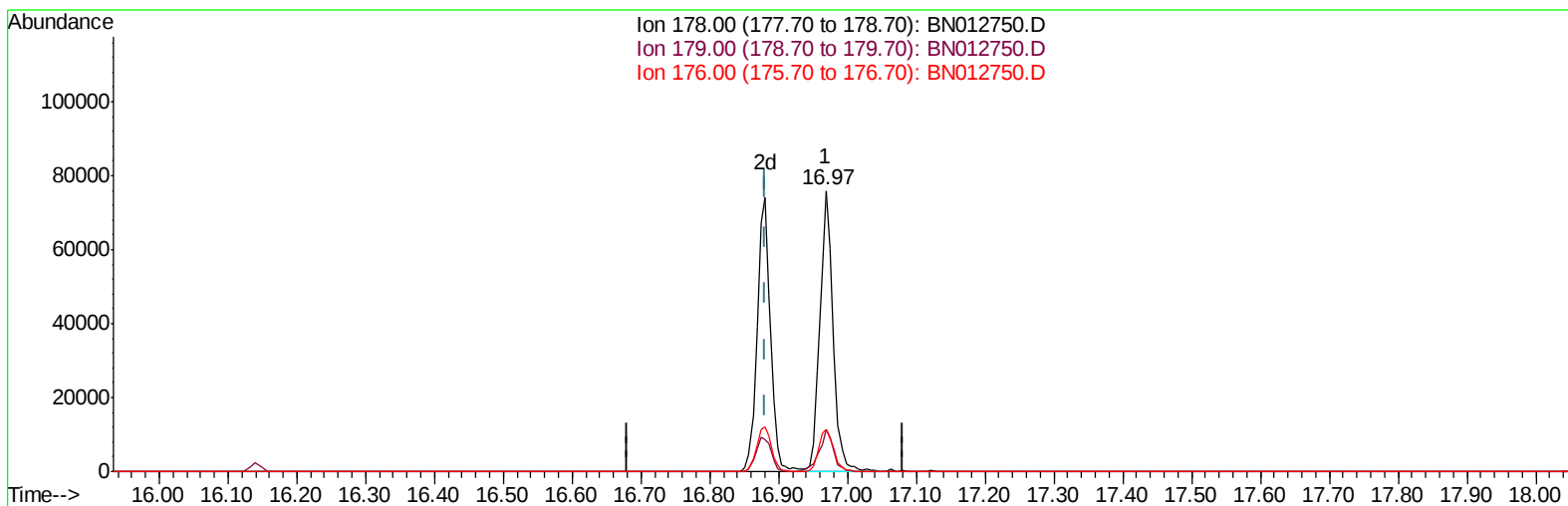
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Manual Integrations
 APPROVED

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TIC: BN012750.D

(72) Phenanthrene

16.969min (+0.088) 2.62ng/ul

response 100410

Ion	Exp%	Act%
178.00	100	100
179.00	15.00	14.94
176.00	18.00	15.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
Data File : BN012750.D
Acq On : 27 Nov 2020 13:07
Operator : CG/JU
Sample : L4485-12
Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

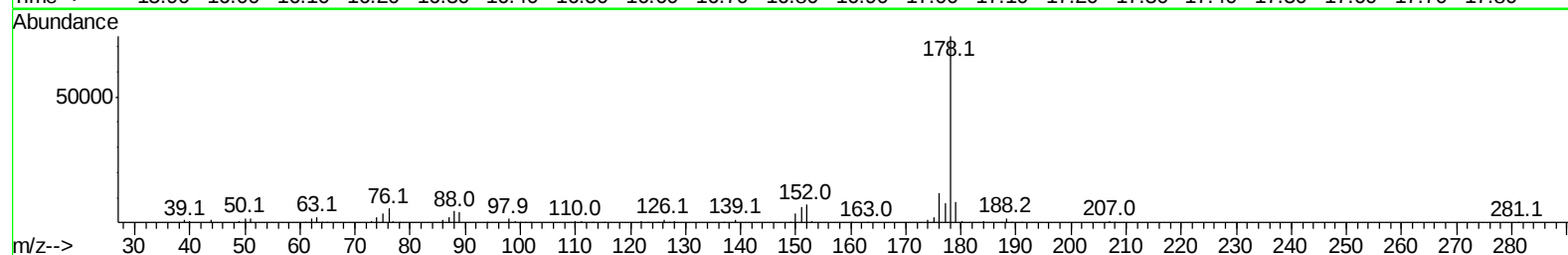
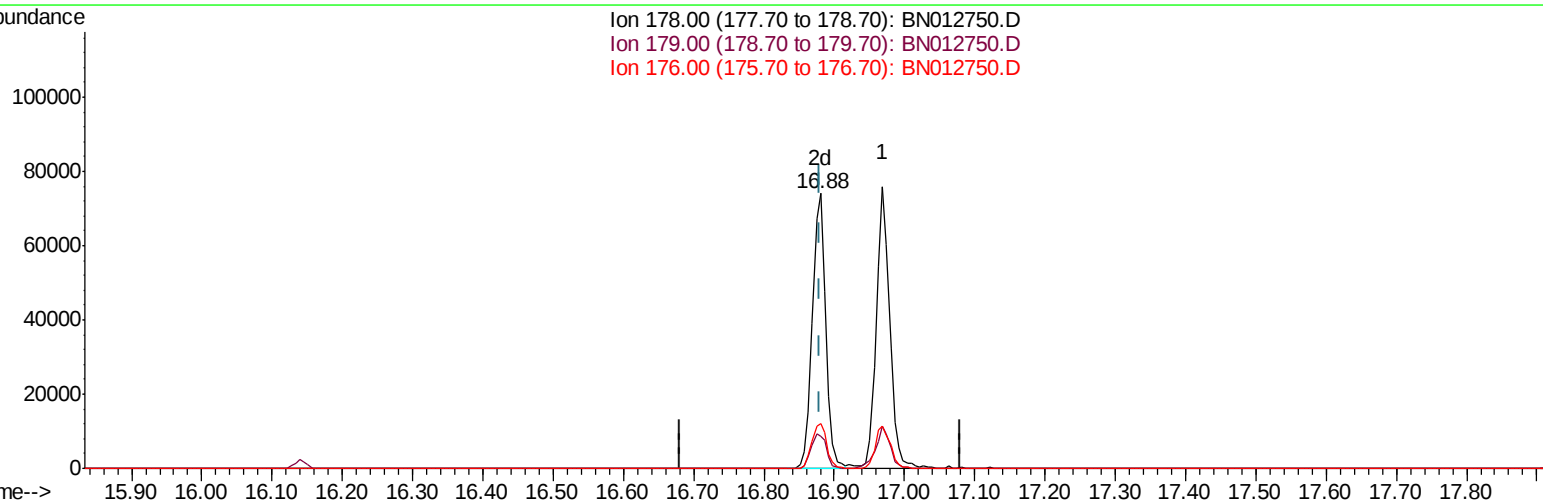
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BNA_N
ClientSampleId :
MDL-WATER-05

Manual Integrations
APPROVED

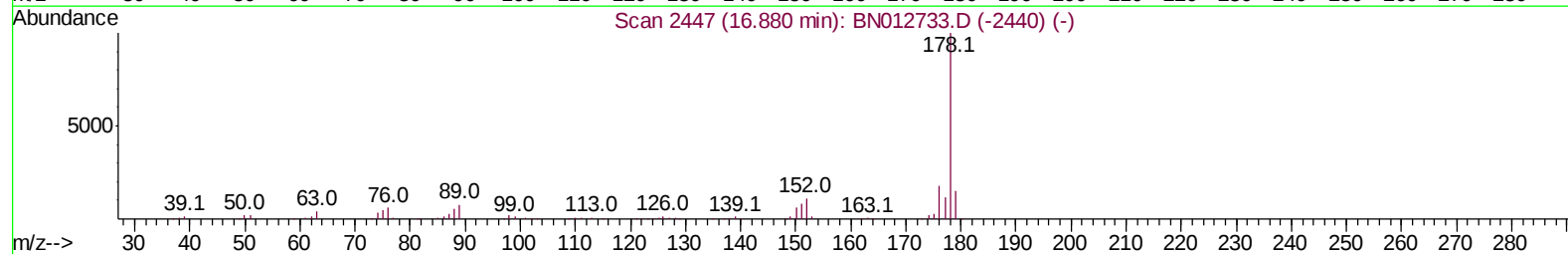
mohammad
11/30/2020 12:00:52 PM

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Ion 178.00 (177.70 to 178.70): BN012750.D
Ion 179.00 (178.70 to 179.70): BN012750.D
Ion 176.00 (175.70 to 176.70): BN012750.D



Scan 2447 (16.880 min): BN012733.D (-2440) (-)



TIC: BN012750.D

(72) Phenanthrene

16.880min (-0.000) 2.55ng/ul m

response 97949

Ion	Exp%	Act%
178.00	100	100
179.00	15.00	11.66#
176.00	18.00	16.43
0.00	0.00	0.00

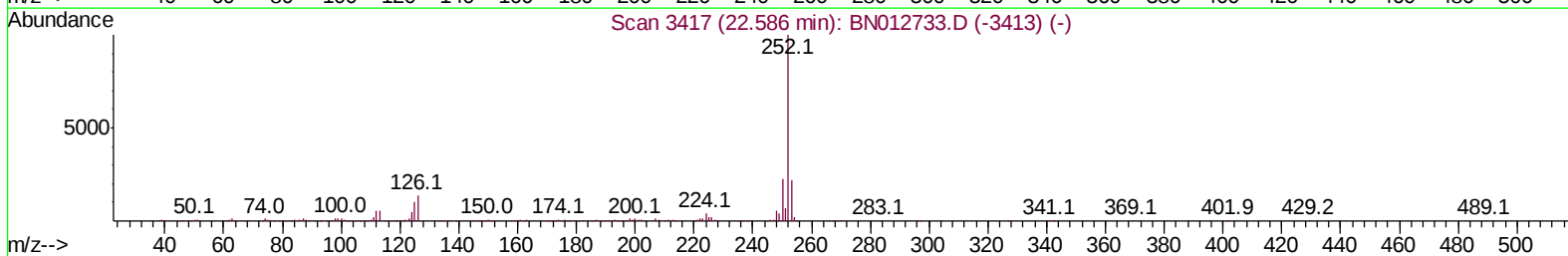
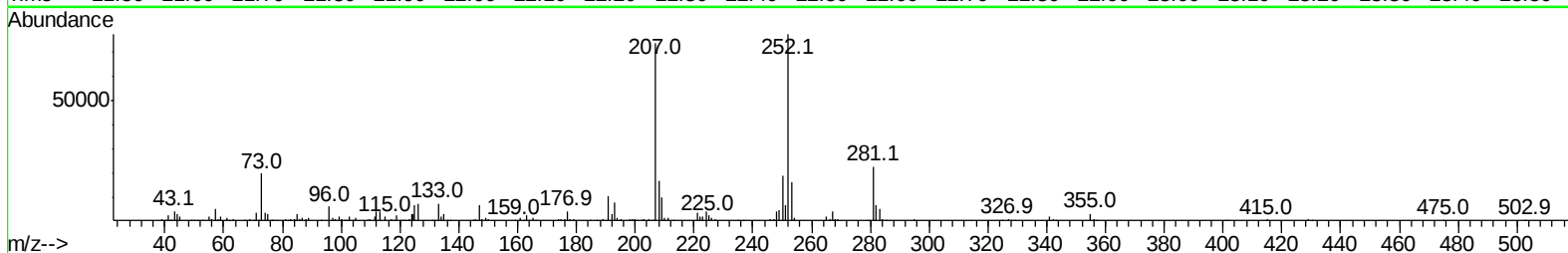
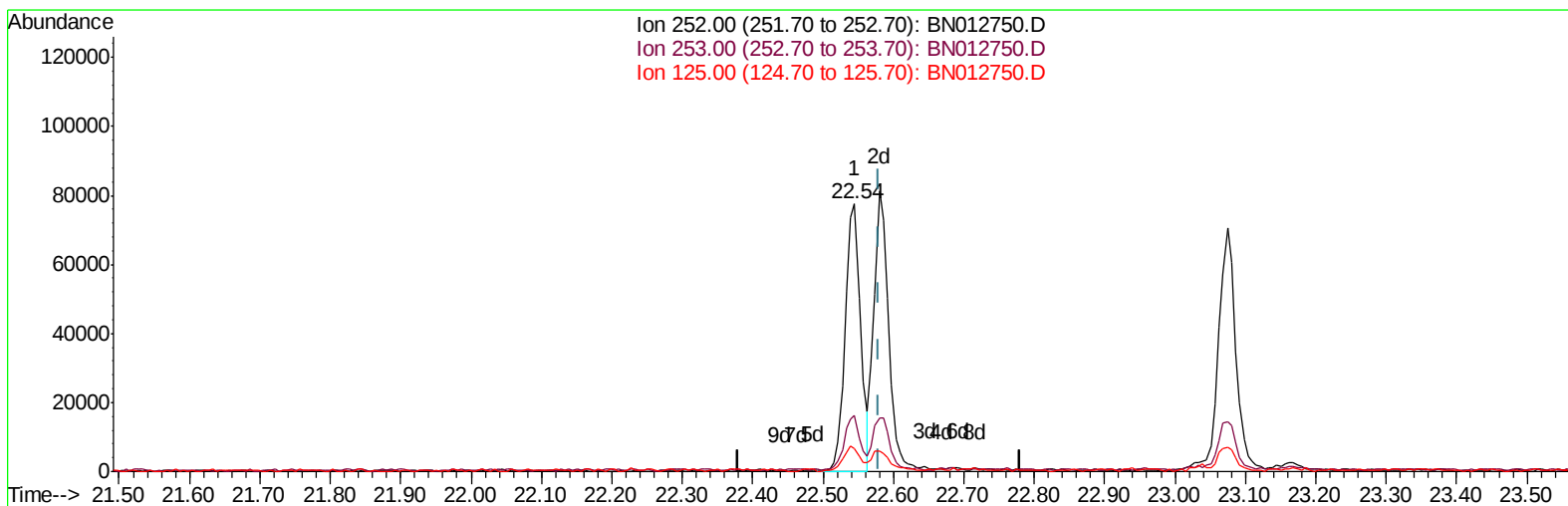
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Manual Integrations
APPROVED

mohammad
11/30/2020 12:00:52 PM

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Response via : Initial Calibration



TIC: BN012750.D

(91) Benzo(k)fluoranthene

22.545min (-0.035) 2.43ng/ul

response 117512

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	20.91
125.00	9.80	8.81
0.00	0.00	0.00

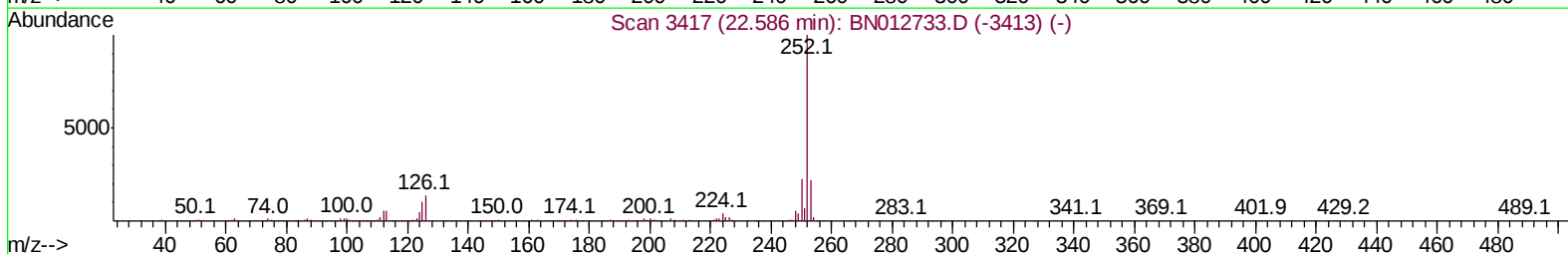
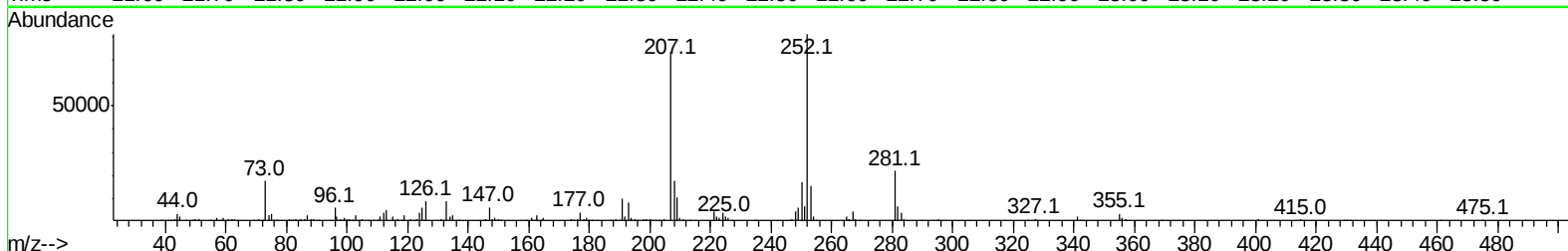
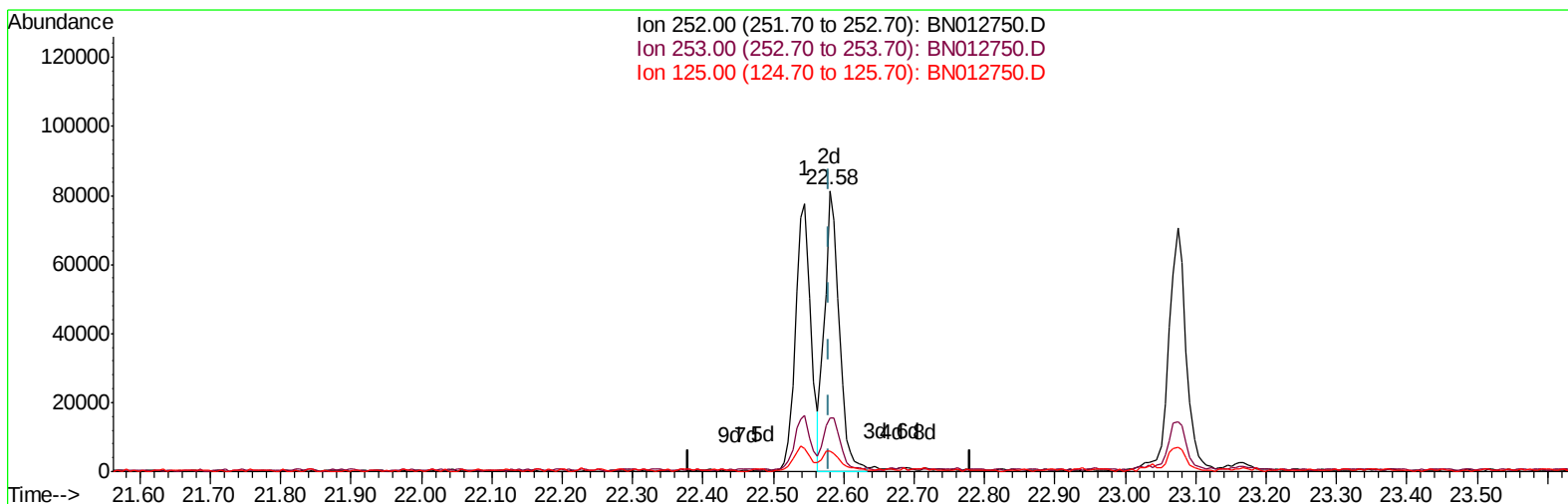
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
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 Misc : MDL-WATER-05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-05

Manual Integrations
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mohammad
 11/30/2020 12:00:52 PM

Quant Time: Nov 27 13:37:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN112520.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 27 10:53:49 2020
 Response via : Initial Calibration



TIC: BN012750.D

(91) Benzo(k)fluoranthene

22.580min (-0.000) 2.45ng/ul m

response 118395

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	19.13
125.00	9.80	7.38#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN112720\
 Data File : BN012750.D
 Acq On : 27 Nov 2020 13:07
 Operator : CG/JU
 Sample : L4485-12
 Misc : MDL-WATER-05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-05

Manual Integrations
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 11/30/2020 12:00:52 PM

Quant Time: Nov 27 13:41:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN112520.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 27 10:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	105795	20.00	ng/ul	0.00
20) Naphthalene-d8	10.19	136	446574	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.08	164	289021	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.84	188	629584	20.00	ng/ul	0.00
79) Chrysene-d12	21.06	240	664072	20.00	ng/ul	0.00
88) Perylene-d12	23.16	264	740619	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	12126	4.13	ng/uL	0.00
4) Pyridine-d5	3.36	84	181968	22.92	ng/ul	0.00
7) Phenol-d5	6.61	99	288504	30.46	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.78	67	188735	31.95	ng/ul	0.00
11) 2-Chlorophenol-d4	6.96	132	235705	31.65	ng/ul	0.00
15) 4-Methylphenol-d8	8.13	113	242657	31.46	ng/ul	0.00
21) Nitrobenzene-d5	8.57	128	114476	32.04	ng/ul	0.00
24) 2-Nitrophenol-d4	9.29	143	124969	31.68	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.82	165	229080	30.57	ng/ul	0.00
31) 4-Chloroaniline-d4	10.33	131	304811	29.08	ng/ul	0.00
46) Dimethylphthalate-d6	13.50	166	766477	32.61	ng/ul	0.00
49) Acenaphthylene-d8	13.77	160	907026	33.08	ng/ul	0.00
54) 4-Nitrophenol-d4	14.30	143	115159	27.70	ng/ul	0.00
60) Fluorene-d10	15.09	176	631736	31.84	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.22	200	116644	27.10	ng/ul	0.00
73) Anthracene-d10	16.93	188	970425	30.84	ng/ul	0.00
81) Pyrene-d10	19.25	212	1080528	32.64	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.03	264	1200469	30.00	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.99	88	3594m	1.176	ng/uL
5) Pyridine	3.39	79	21326	2.607	ng/ul# 21
6) Benzaldehyde	6.58	77	18777	4.419	ng/ul 92
8) Phenol	6.63	94	24553	2.484	ng/ul# 90
10) Bis(2-Chloroethyl)ether	6.86	93	20718	2.636	ng/ul 97
12) 2-Chlorophenol	6.99	128	19043	2.484	ng/ul 97
13) 2-Methylphenol	7.88	108	15160	2.063	ng/ul 96
14) 2,2'-oxybis(1-Chloropropan	7.96	45	28153m	2.541	ng/ul
16) Acetophenone	8.25	105	32171	2.511	ng/ul 94
17) N-Nitroso-di-n-propylamine	8.23	70	17296	2.605	ng/ul 92
18) 4-Methylphenol	8.20	108	18301	2.286	ng/ul 92
19) Hexachloroethane	8.48	117	9605	2.607	ng/ul# 82
22) Nitrobenzene	8.62	77	26770	2.585	ng/ul 94
23) Isophorone	9.14	82	41476	2.284	ng/ul 99
25) 2-Nitrophenol	9.32	139	10476	2.433	ng/ul# 83
26) 2,4-Dimethylphenol	9.39	107	22308	2.395	ng/ul 96
27) Bis(2-Chloroethoxy)methane	9.63	93	24492	2.342	ng/ul# 98
29) 2,4-Dichlorophenol	9.85	162	17671	2.390	ng/ul 95
30) Naphthalene	10.23	128	64328	2.535	ng/ul 97
32) 4-Chloroaniline	10.36	127	23493	2.300	ng/ul 91
33) Hexachlorobutadiene	10.52	225	12801	2.545	ng/ul 96
34) Caprolactam	11.17	113	3583m	1.485	ng/ul

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 Misc : MDL-WATER-05
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Manual Integrations
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Quant Time: Nov 27 13:41:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN112520.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.49	107	18087	2.131	ng/ul#	96
36) 2-Methylnaphthalene	11.86	142	41762	2.333	ng/ul	96
37) 1-Methylnaphthalene	12.09	142	43767	2.536	ng/ul	98
39) 1,2,4,5-Tetrachlorobenzene	12.25	216	22577	2.483	ng/ul	90
40) Hexachlorocyclopentadiene	12.22	237	10137	1.828	ng/ul	94
41) 2,4,6-Trichlorophenol	12.49	196	12368	2.135	ng/ul	87
42) 2,4,5-Trichlorophenol	12.57	196	12574m	1.992	ng/ul	
43) 1,1'-Biphenyl	12.90	154	56687	2.417	ng/ul#	91
44) 2-Chloronaphthalene	12.94	162	45676	2.465	ng/ul	92
45) 2-Nitroaniline	13.16	65	11542	1.902	ng/ul	89
47) Dimethylphthalate	13.55	163	61613	2.561	ng/ul	97
48) 2,6-Dinitrotoluene	13.67	165	10016	2.104	ng/ul	92
50) Acenaphthylene	13.80	152	70588	2.506	ng/ul	95
51) 3-Nitroaniline	14.01	138	7868	2.023	ng/ul#	91
52) Acenaphthene	14.15	153	50287	2.438	ng/ul	90
53) 2,4-Dinitrophenol	14.22	184	3284	1.116	ng/ul	90
55) 4-Nitrophenol	14.32	109	11159	2.569	ng/ul#	76
56) Dibenzofuran	14.49	168	71826	2.519	ng/ul	100
57) 2,4-Dinitrotoluene	14.47	165	14742	2.124	ng/ul#	68
58) 2,3,4,6-Tetrachlorophenol	14.72	232	11675	2.135	ng/ul#	94
59) Diethylphthalate	14.93	149	62495	2.502	ng/ul	96
61) Fluorene	15.14	166	61448	2.550	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.15	204	28345	2.469	ng/ul	98
63) 4-Nitroaniline	15.18	138	10217m	2.597	ng/ul	
66) 4,6-Dinitro-2-methylphenol	15.23	198	10558	2.273	ng/ul#	46
67) N-Nitrosodiphenylamine	15.36	169	45186	2.307	ng/ul	98
68) 4-Bromophenyl-phenylether	16.04	248	17519	2.465	ng/ul	91
69) Hexachlorobenzene	16.14	284	21589	2.588	ng/ul	91
70) Atrazine	16.32	200	15425	2.017	ng/ul	99
71) Pentachlorophenol	16.49	266	8647	1.690	ng/ul#	89
72) Phenanthrene	16.88	178	97949m	2.552	ng/ul	
74) Anthracene	16.97	178	100410	2.579	ng/ul#	95
75) 1,2,3,4-Tetrachlorobenzene	12.86	216	22458	2.491	ng/uL	97
76) Pentachlorobenzene	14.40	250	24284	2.545	ng/uL	94
77) Carbazole	17.25	167	70450	2.061	ng/ul	97
78) Di-n-butylphthalate	17.83	149	88989	2.046	ng/ul	99
80) Fluoranthene	18.91	202	103779	2.392	ng/ul#	96
82) Pyrene	19.27	202	119133	2.615	ng/ul	98
83) Butylbenzylphthalate	20.20	149	36775	1.897	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.99	252	30517	1.962	ng/ul#	96
85) Benzo(a)anthracene	21.04	228	106937	2.411	ng/ul	92
86) Bis(2-ethylhexyl)phthalate	20.99	149	55801	1.778	ng/ul#	97
87) Chrysene	21.09	228	109736	2.542	ng/ul	98
89) Di-n-octyl phthalate	21.84	149	96183	1.668	ng/ul	100
90) Benzo(b)fluoranthene	22.54	252	116934	2.429	ng/ul	98
91) Benzo(k)fluoranthene	22.58	252	118395m	2.450	ng/ul	
93) Benzo(a)pyrene	23.07	252	117126	2.614	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.24	276	142980	2.499	ng/ul	98
95) Dibenzo(a,h)anthracene	25.25	278	119135	2.466	ng/ul	97
96) Benzo(g,h,i)perylene	25.87	276	113105	2.393	ng/ul	94

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Misc : MDL-WATER-05
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

