

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040523\
 Data File : BP014591.D
 Acq On : 06 Apr 2023 17:04
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020664

Quant Time: Apr 07 00:34:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 00:33:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/07/2023
 Supervised By : Jagrut Upadhyay 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	120950	20.000	ng/u1	0.00
20) Naphthalene-d8	10.816	136	510236	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	320069	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.410	188	699875	20.000	ng/u1	0.00
79) Chrysene-d12	21.498	240	707918	20.000	ng/u1	0.00
88) Perylene-d12	24.004	264	766424	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	30168	9.673	ng/uL	0.00
4) Pyridine-d5	3.799	84	180309	22.559	ng/u1	0.00
7) Phenol-d5	7.164	99	228697	20.503	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.322	67	157426	21.997	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	174187	21.605	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	181174	20.136	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	84253	20.454	ng/u1	0.00
24) 2-Nitrophenol-d4	9.899	143	99252	21.043	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.446	165	177603	20.676	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	225804	19.957	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	539893	20.804	ng/u1	0.00
49) Acenaphthylene-d8	14.340	160	606927	21.077	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	73010	18.622	ng/u1	0.00
60) Fluorene-d10	15.645	176	447086	20.658	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.775	200	97087	18.853	ng/u1	0.00
73) Anthracene-d10	17.510	188	698021	20.608	ng/u1	0.00
81) Pyrene-d10	19.739	212	829787	17.451	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.839	264	861573	21.159	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	32572	9.503	ng/uL	96
5) Pyridine	3.823	79	190728	22.803	ng/u1	98
6) Benzaldehyde	7.134	77	150125m	27.077	ng/u1	
8) Phenol	7.187	94	237878	20.557	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.416	93	195321	21.005	ng/u1	98
12) 2-Chlorophenol	7.558	128	179479	21.389	ng/u1	93
13) 2-Methylphenol	8.452	108	174063	20.171	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.516	45	280401	22.967	ng/u1	99
16) Acetophenone	8.834	105	308734	20.779	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.810	70	175298	21.840	ng/u1	92
18) 4-Methylphenol	8.781	108	189005	19.943	ng/u1	99
19) Hexachloroethane	9.075	117	83313	22.723	ng/u1	92
22) Nitrobenzene	9.216	77	251056	21.216	ng/u1	100
23) Isophorone	9.740	82	458999	21.043	ng/u1	98
25) 2-Nitrophenol	9.934	139	101673	20.423	ng/u1	94
26) 2,4-Dimethylphenol	9.993	107	232653	20.879	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.222	93	267873	20.483	ng/u1	99
29) 2,4-Dichlorophenol	10.469	162	174535	20.646	ng/u1	94
30) Naphthalene	10.869	128	593814	20.894	ng/u1	100
32) 4-Chloroaniline	10.993	127	230874	20.146	ng/u1	99
33) Hexachlorobutadiene	11.140	225	137025	20.460	ng/u1	99
34) Caprolactam	11.799	113	50845m	20.359	ng/u1	
35) 4-Chloro-3-methylphenol	12.110	107	207318	19.939	ng/u1	99
36) 2-Methylnaphthalene	12.475	142	392294	20.367	ng/u1	97

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37) 1-Methylnaphthalene	12.693	142	389302	20.380	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.840	216	231849	20.317	ng/ul	97
40) Hexachlorocyclopentadiene	12.810	237	141214	19.109	ng/ul	98
41) 2,4,6-Trichlorophenol	13.087	196	146250	20.711	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	153296	20.391	ng/ul	96
43) 1,1'-Biphenyl	13.481	154	535589	20.712	ng/ul	99
44) 2-Chloronaphthalene	13.528	162	423103	20.694	ng/ul	99
45) 2-Nitroaniline	13.746	65	137496	21.715	ng/ul	96
47) Dimethylphthalate	14.104	163	538444	20.751	ng/ul	100
48) 2,6-Dinitrotoluene	14.234	165	105862	20.882	ng/ul	96
50) Acenaphthylene	14.369	152	650393	21.208	ng/ul	99
51) 3-Nitroaniline	14.575	138	92627	20.395	ng/ul	97
52) Acenaphthene	14.710	153	455372	21.013	ng/ul	99
53) 2,4-Dinitrophenol	14.781	184	99867	30.420	ng/ul	94
55) 4-Nitrophenol	14.887	109	75017	19.388	ng/ul	98
56) Dibenzofuran	15.045	168	635412	20.857	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	154518	21.488	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.281	232	140352	20.772	ng/ul	99
59) Diethylphthalate	15.463	149	543775	21.089	ng/ul	98
61) Fluorene	15.698	166	519925	21.056	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	270541	20.393	ng/ul	99
63) 4-Nitroaniline	15.745	138	77889m	21.107	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.792	198	96911	19.418	ng/ul	97
67) N-Nitrosodiphenylamine	15.910	169	431923	19.835	ng/ul	100
68) 4-Bromophenyl-phenylether	16.592	248	170778	19.609	ng/ul	97
69) Hexachlorobenzene	16.704	284	196154	19.609	ng/ul	97
70) Atrazine	16.869	200	168298	21.231	ng/ul	99
71) Pentachlorophenol	17.063	266	144138	24.871	ng/ul	98
72) Phenanthrene	17.451	178	815684	20.949	ng/ul	99
74) Anthracene	17.545	178	818450	20.856	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.446	216	239419	19.434	ng/uL	98
76) Pentachlorobenzene	14.963	250	233868	19.025	ng/uL	99
77) Carbazole	17.822	167	705662	21.487	ng/ul	99
78) Di-n-butylphthalate	18.351	149	917331	22.215	ng/ul	99
80) Fluoranthene	19.416	202	976168	17.363	ng/ul	99
82) Pyrene	19.769	202	1017084	17.328	ng/ul	100
83) Butylbenzylphthalate	20.628	149	428293	21.183	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.410	252	323433	20.658	ng/ul	98
85) Benzo(a)anthracene	21.480	228	1029010	20.513	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.375	149	625826	22.635	ng/ul	98
87) Chrysene	21.533	228	990759	20.916	ng/ul	99
89) Di-n-octyl phthalate	22.333	149	1073710	21.588	ng/ul	100
90) Benzo(b)fluoranthene	23.233	252	1067493	20.623	ng/ul	99
91) Benzo(k)fluoranthene	23.280	252	1079637	21.475	ng/ul	99
93) Benzo(a)pyrene	23.892	252	946472	21.243	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.633	276	1254851	20.471	ng/ul	98
95) Dibenzo(a,h)anthracene	26.645	278	1037014	20.206	ng/ul	99
96) Benzo(g,h,i)perylene	27.445	276	1036925	20.753	ng/ul	97

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

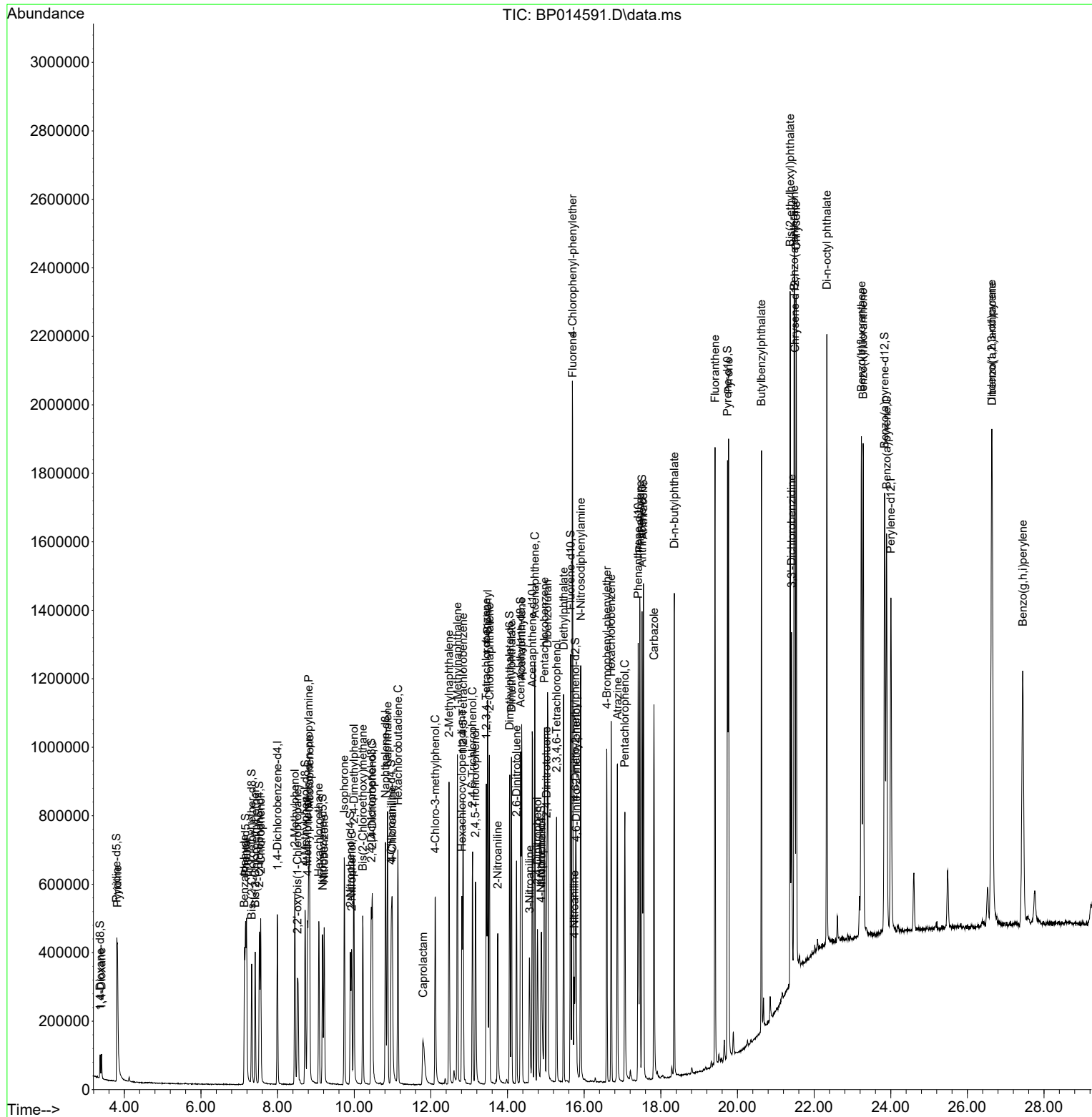
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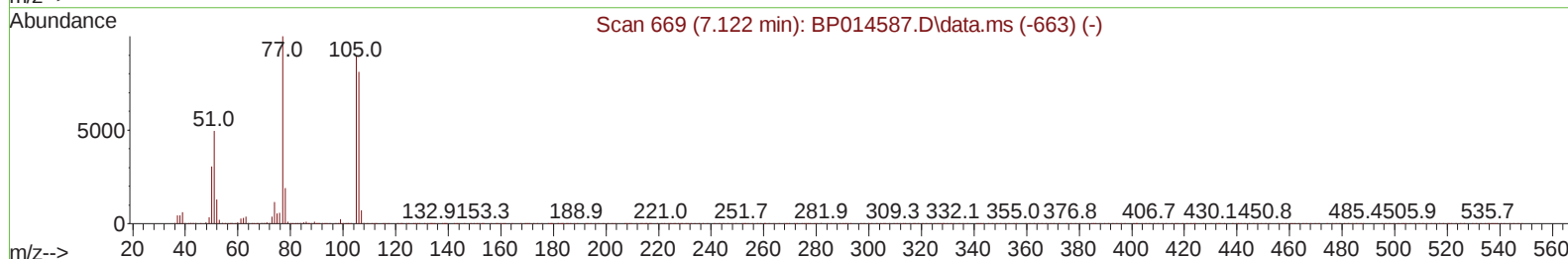
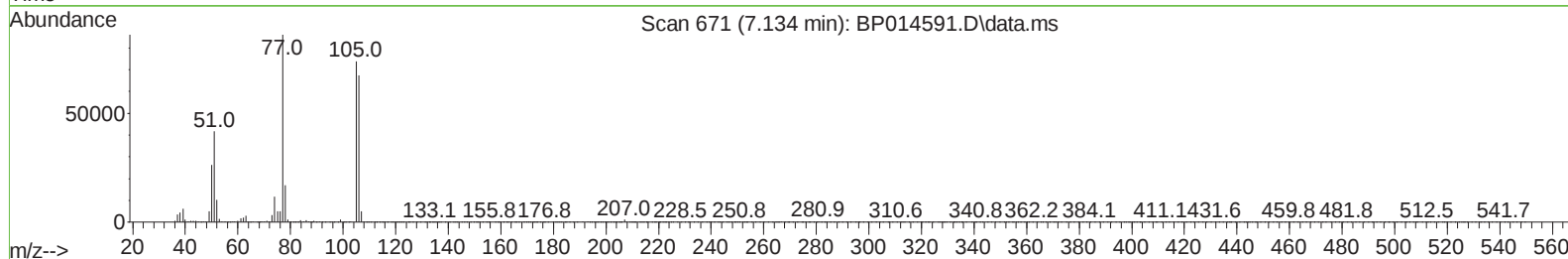
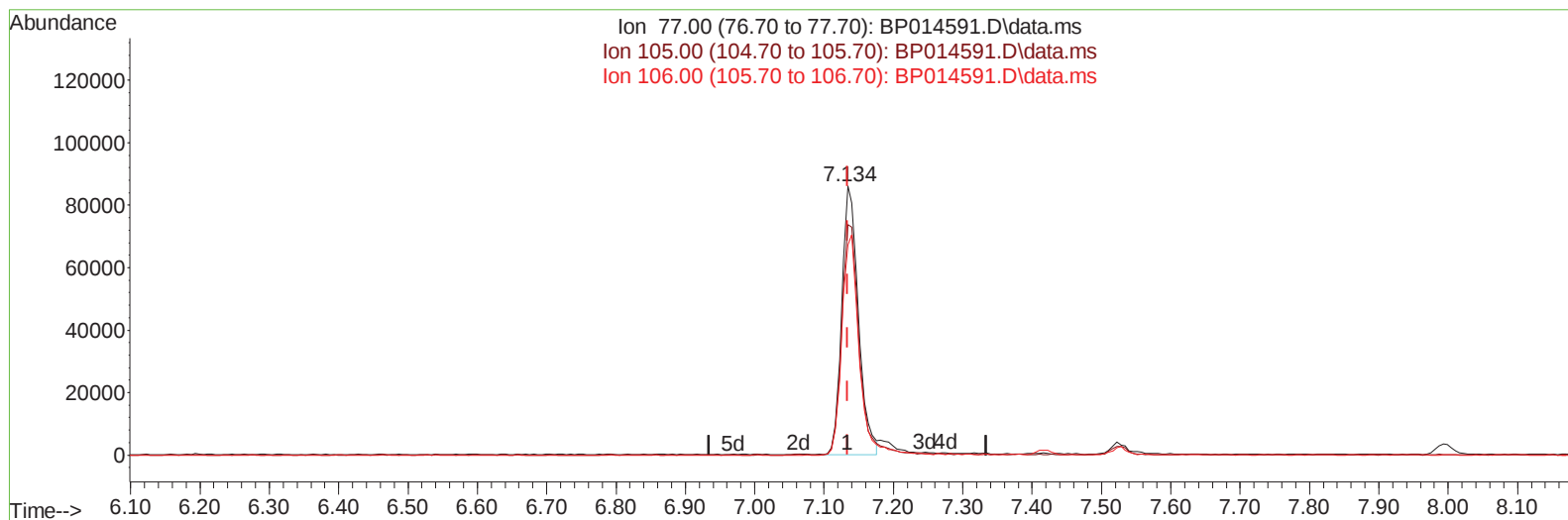
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TIC: BP014591.D\data.ms

(6) Benzaldehyde

7.134min (0.000) 25.58 ng/u1

response 141816

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	88.20	85.79
106.00	83.10	78.15
0.00	0.00	0.00

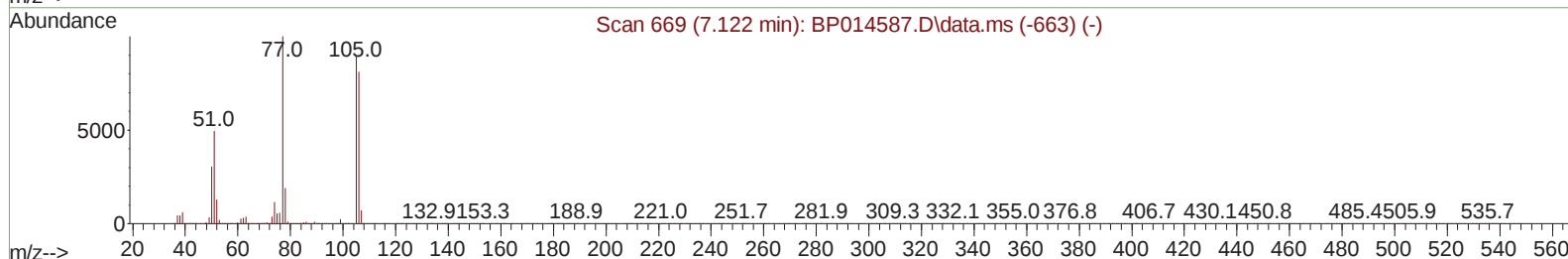
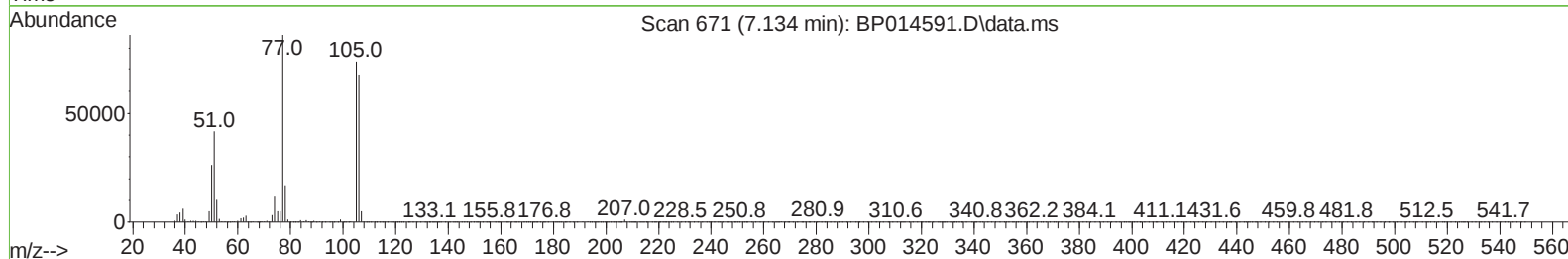
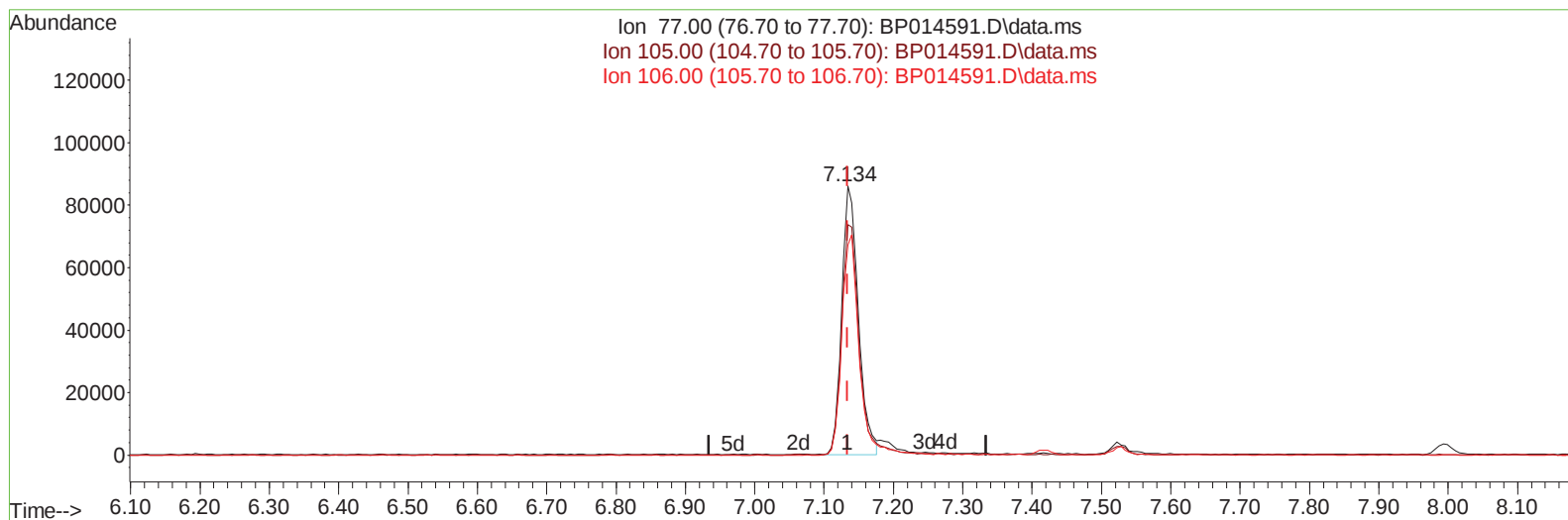
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(6) Benzaldehyde

7.134min (0.000) 25.58 ng/u1

response 141816

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	88.20	85.79
106.00	83.10	78.15
0.00	0.00	0.00

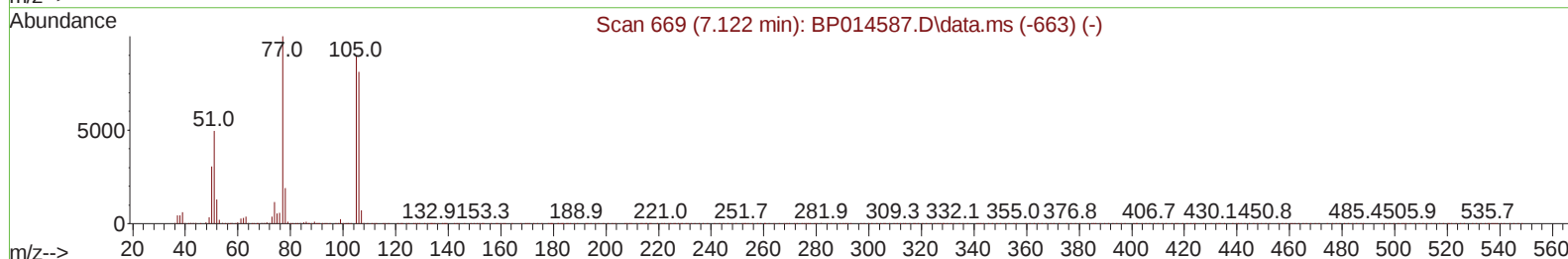
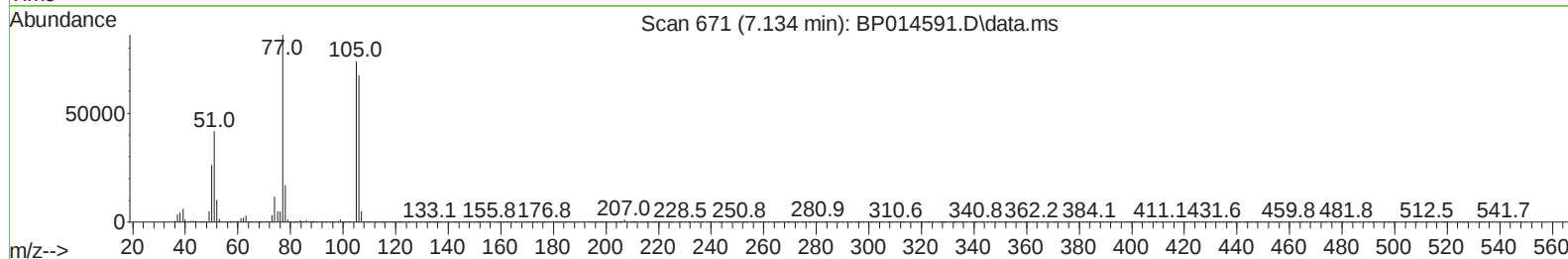
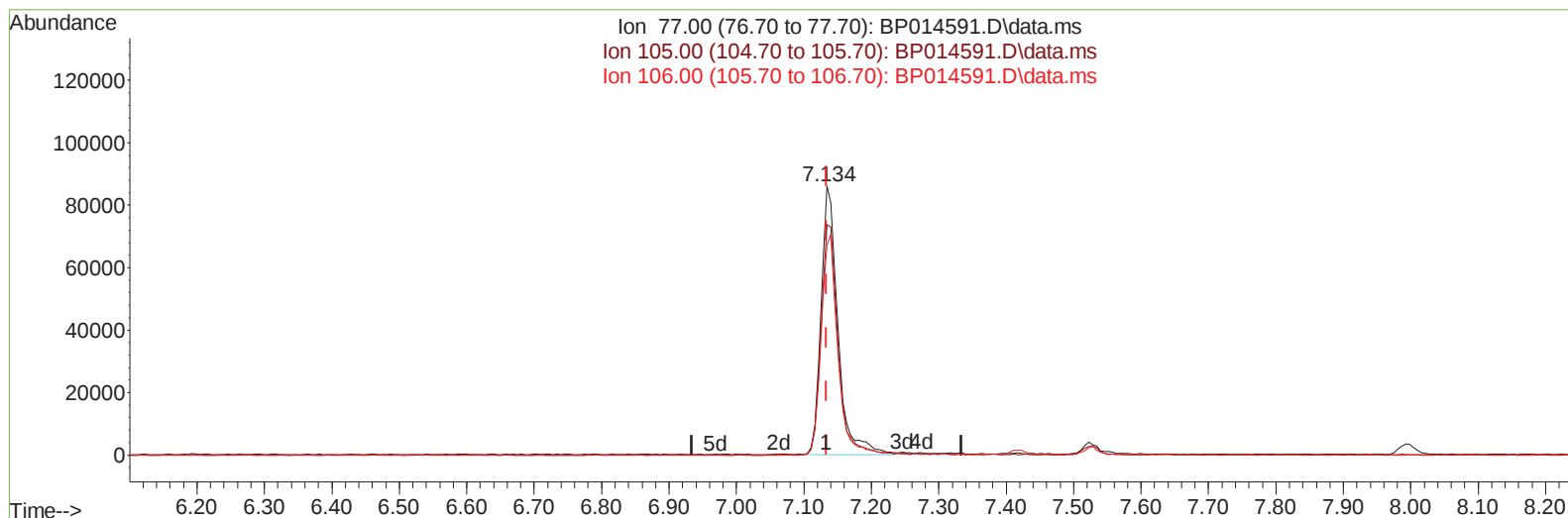
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(6) Benzaldehyde

7.134min (0.000) 27.08 ng/ul m

response 150125

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	88.20	85.79
106.00	83.10	78.15
0.00	0.00	0.00

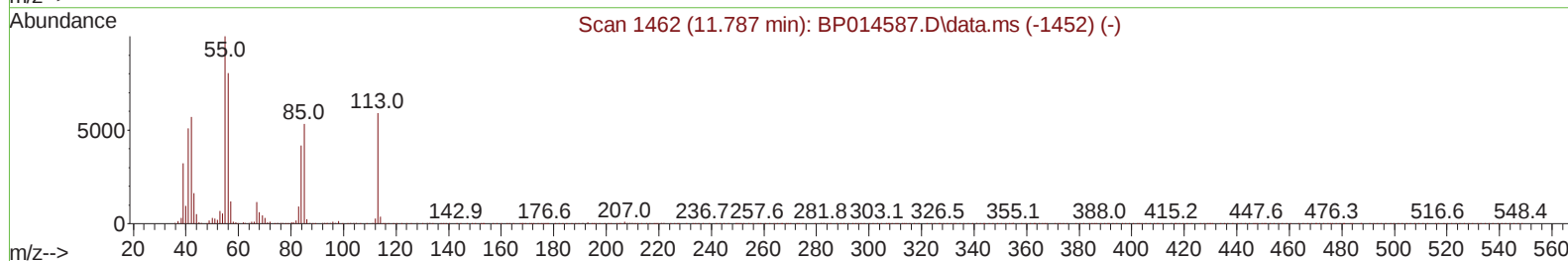
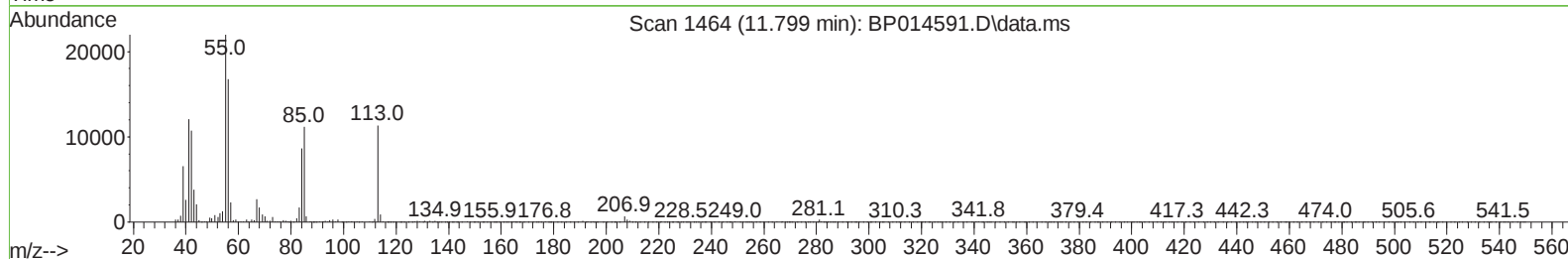
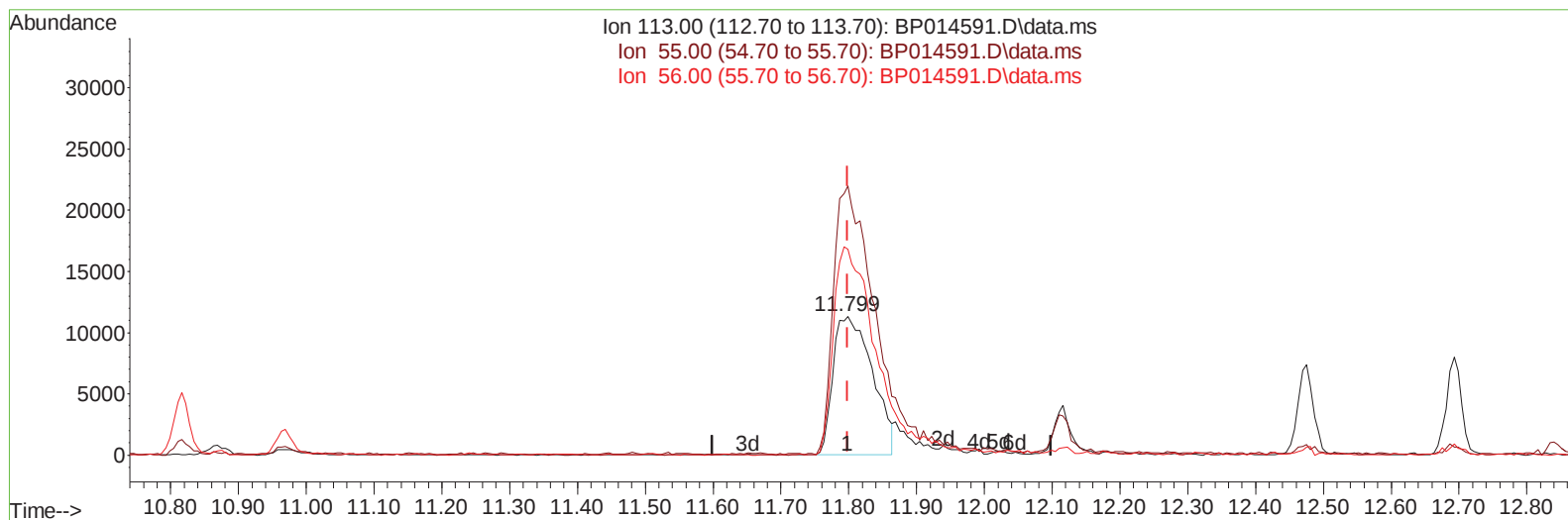
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(34) Caprolactam

11.799min (0.000) 18.25 ng/ul

response 45585

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	164.00	193.64
56.00	126.40	148.03
0.00	0.00	0.00

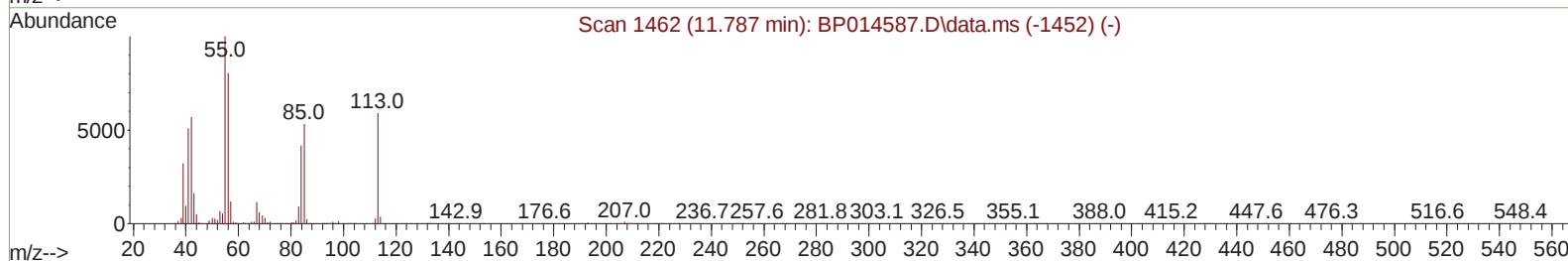
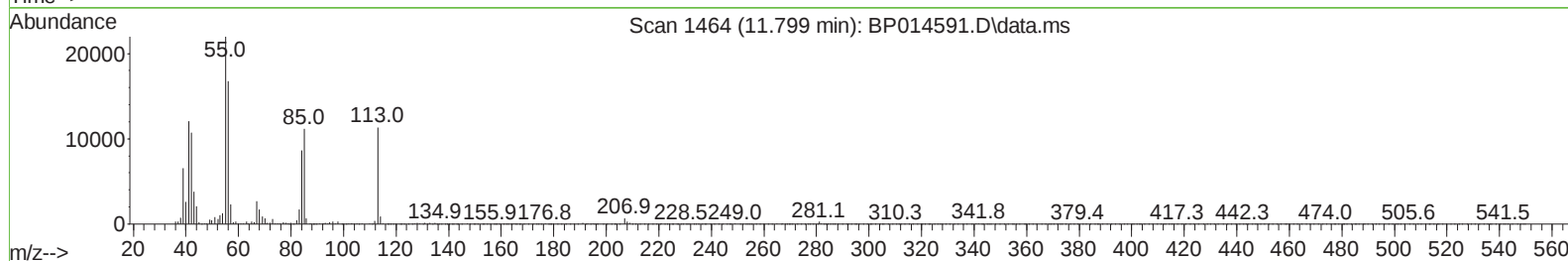
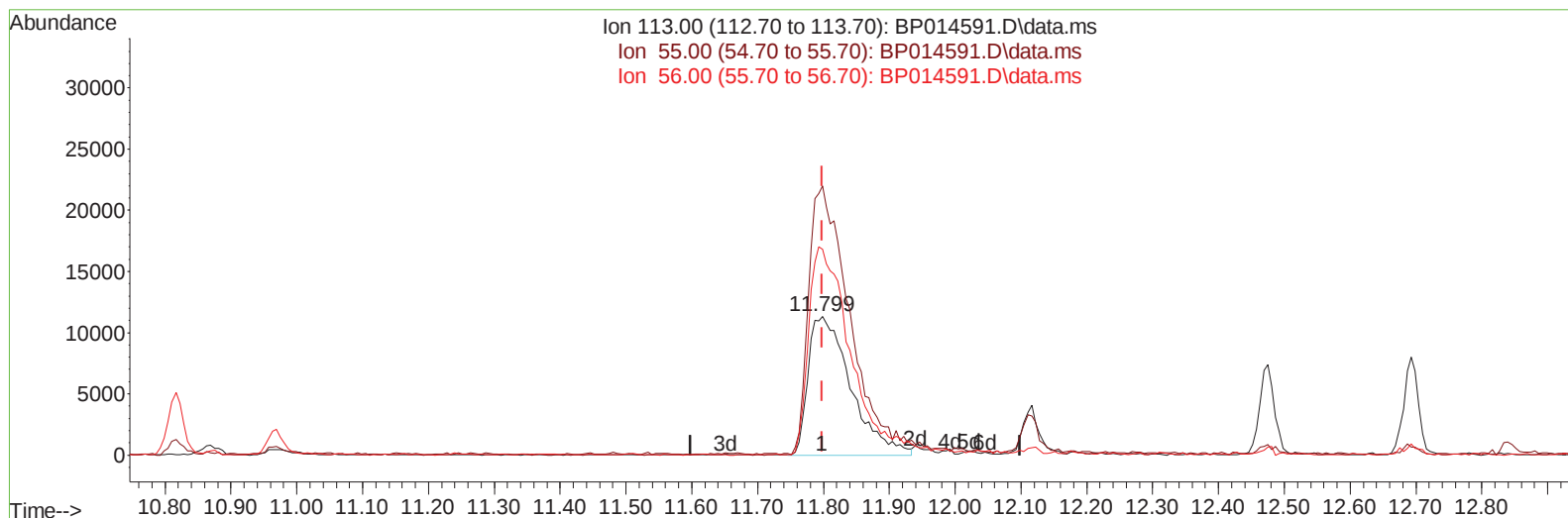
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(34) Caprolactam

11.799min (0.000) 20.36 ng/ul m

response 50845

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	164.00	193.64
56.00	126.40	148.03
0.00	0.00	0.00

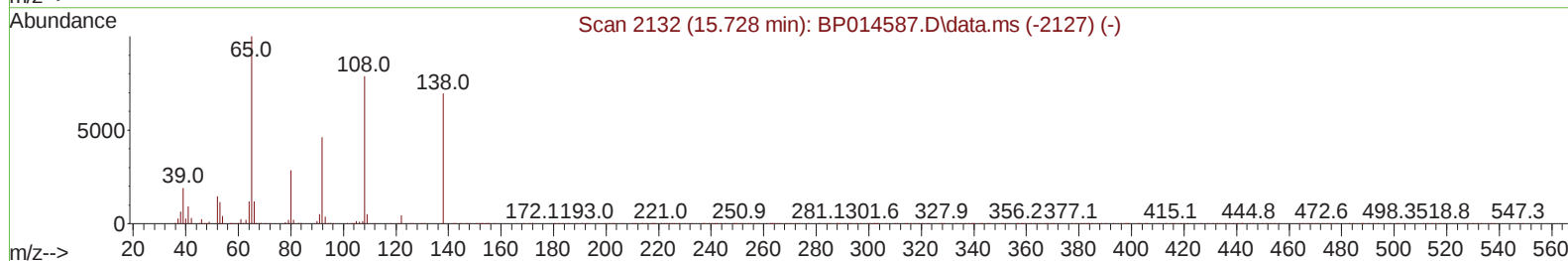
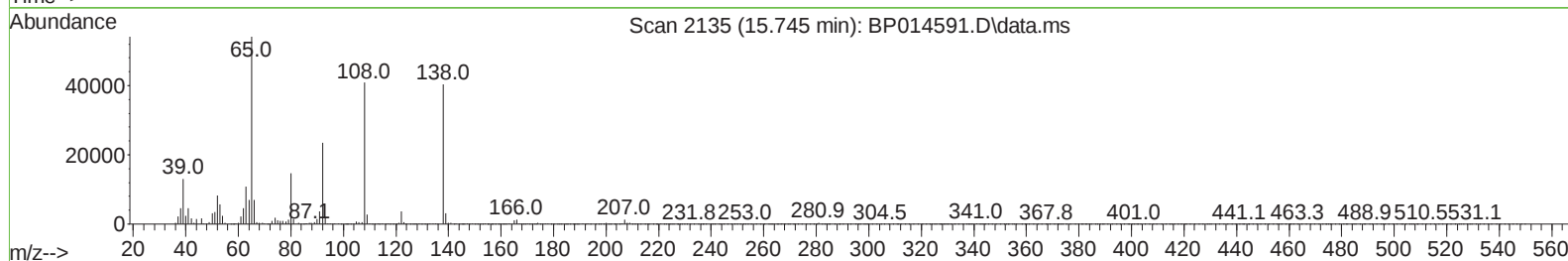
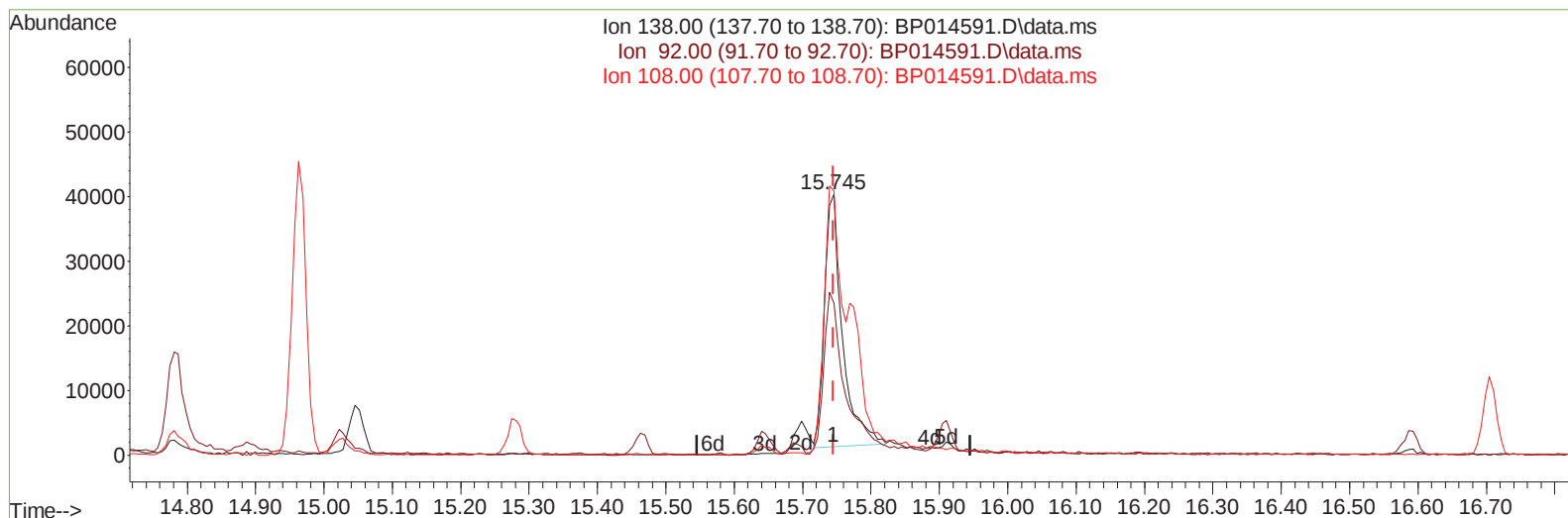
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(63) 4-Nitroaniline

15.745min (0.000) 19.28 ng/ul

response 71133

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.70	58.07
108.00	102.90	101.11
0.00	0.00	0.00

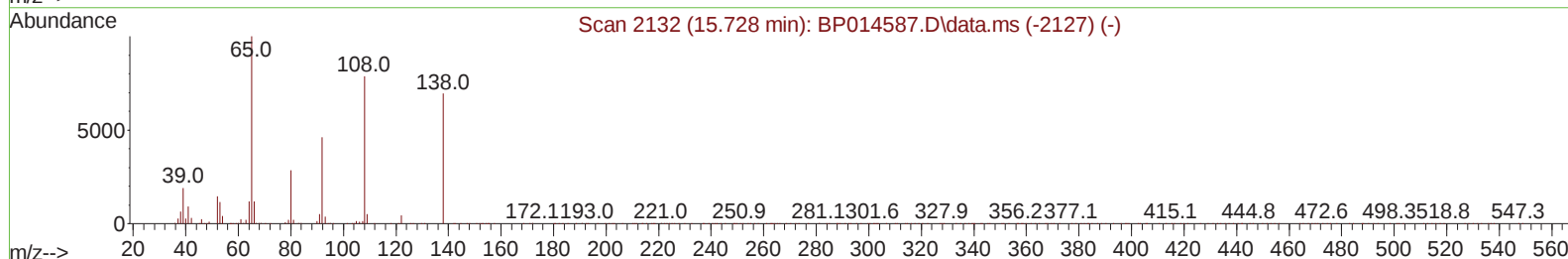
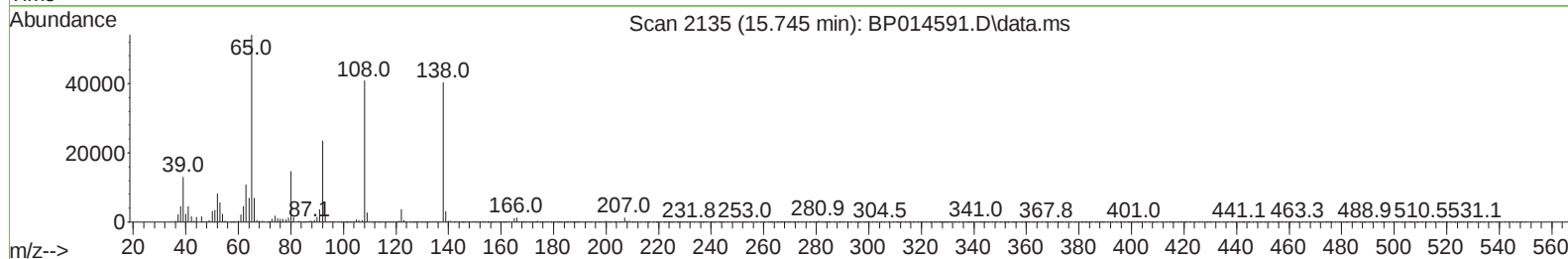
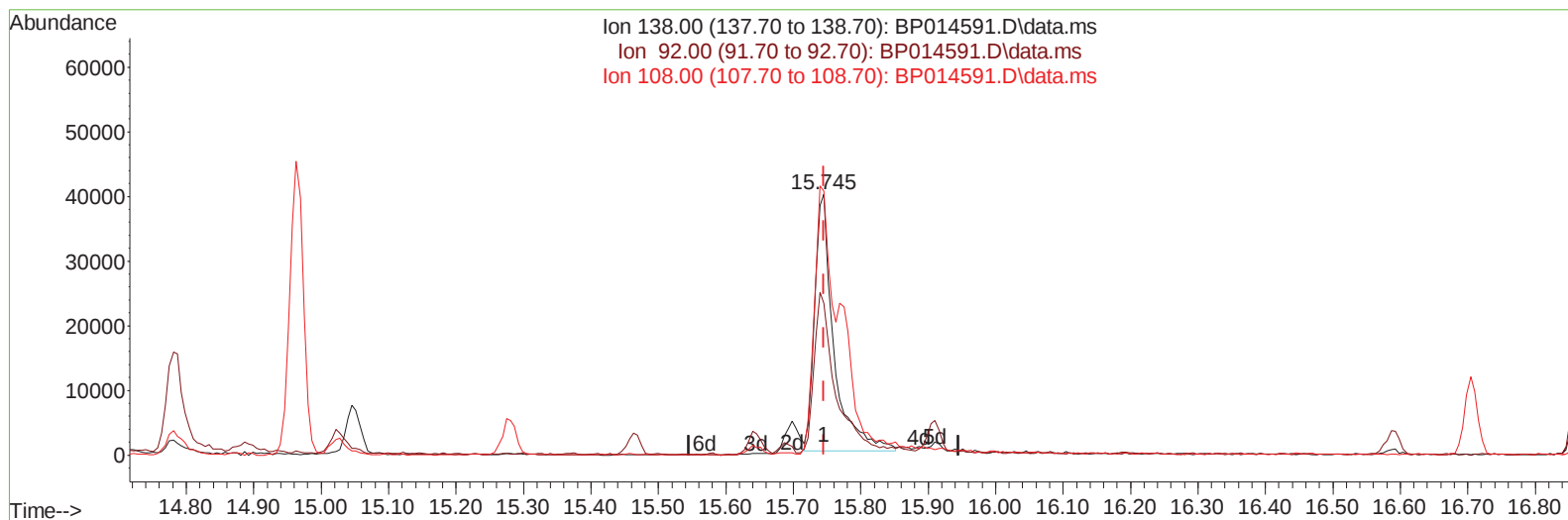
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TIC: BP014591.D\data.ms

(63) 4-Nitroaniline

15.745min (0.000) 21.11 ng/ul m

response 77889

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.70	58.07
108.00	102.90	101.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040523\
 Data File : BP014591.D
 Acq On : 06 Apr 2023 17:04
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020664

Quant Time: Apr 07 00:34:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 00:33:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	120950	20.000	ng/ul	0.00
20) Naphthalene-d8	10.816	136	510236	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.645	164	320069	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.410	188	699875	20.000	ng/ul	0.00
79) Chrysene-d12	21.498	240	707918	20.000	ng/ul	0.00
88) Perylene-d12	24.004	264	766424	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	30168	9.673	ng/uL	0.00
4) Pyridine-d5	3.799	84	180309	22.559	ng/ul	0.00
7) Phenol-d5	7.164	99	228697	20.503	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.322	67	157426	21.997	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	174187	21.605	ng/ul	0.00
15) 4-Methylphenol-d8	8.716	113	181174	20.136	ng/ul	0.00
21) Nitrobenzene-d5	9.175	128	84253	20.454	ng/ul	0.00
24) 2-Nitrophenol-d4	9.899	143	99252	21.043	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.446	165	177603	20.676	ng/ul	0.00
31) 4-Chloroaniline-d4	10.969	131	225804	19.957	ng/ul	0.00
46) Dimethylphthalate-d6	14.057	166	539893	20.804	ng/ul	0.00
49) Acenaphthylene-d8	14.340	160	606927	21.077	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	73010	18.622	ng/ul	0.00
60) Fluorene-d10	15.645	176	447086	20.658	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.775	200	97087	18.853	ng/ul	0.00
73) Anthracene-d10	17.510	188	698021	20.608	ng/ul	0.00
81) Pyrene-d10	19.739	212	829787	17.451	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.839	264	861573	21.159	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	32572	9.503	ng/uL	96
5) Pyridine	3.823	79	190728	22.803	ng/ul	98
6) Benzaldehyde	7.134	77	150125m	27.077	ng/ul	
8) Phenol	7.187	94	237878	20.557	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.416	93	195321	21.005	ng/ul	98
12) 2-Chlorophenol	7.558	128	179479	21.389	ng/ul	93
13) 2-Methylphenol	8.452	108	174063	20.171	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.516	45	280401	22.967	ng/ul	99
16) Acetophenone	8.834	105	308734	20.779	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.810	70	175298	21.840	ng/ul	92
18) 4-Methylphenol	8.781	108	189005	19.943	ng/ul	99
19) Hexachloroethane	9.075	117	83313	22.723	ng/ul	92
22) Nitrobenzene	9.216	77	251056	21.216	ng/ul	100
23) Isophorone	9.740	82	458999	21.043	ng/ul	98
25) 2-Nitrophenol	9.934	139	101673	20.423	ng/ul	94
26) 2,4-Dimethylphenol	9.993	107	232653	20.879	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.222	93	267873	20.483	ng/ul	99
29) 2,4-Dichlorophenol	10.469	162	174535	20.646	ng/ul	94
30) Naphthalene	10.869	128	593814	20.894	ng/ul	100
32) 4-Chloroaniline	10.993	127	230874	20.146	ng/ul	99
33) Hexachlorobutadiene	11.140	225	137025	20.460	ng/ul	99
34) Caprolactam	11.799	113	50845m	20.359	ng/ul	
35) 4-Chloro-3-methylphenol	12.110	107	207318	19.939	ng/ul	99

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Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/07/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.475	142	392294	20.367	ng/ul	97
37) 1-Methylnaphthalene	12.693	142	389302	20.380	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.840	216	231849	20.317	ng/ul	97
40) Hexachlorocyclopentadiene	12.810	237	141214	19.109	ng/ul	98
41) 2,4,6-Trichlorophenol	13.087	196	146250	20.711	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	153296	20.391	ng/ul	96
43) 1,1'-Biphenyl	13.481	154	535589	20.712	ng/ul	99
44) 2-Chloronaphthalene	13.528	162	423103	20.694	ng/ul	99
45) 2-Nitroaniline	13.746	65	137496	21.715	ng/ul	96
47) Dimethylphthalate	14.104	163	538444	20.751	ng/ul	100
48) 2,6-Dinitrotoluene	14.234	165	105862	20.882	ng/ul	96
50) Acenaphthylene	14.369	152	650393	21.208	ng/ul	99
51) 3-Nitroaniline	14.575	138	92627	20.395	ng/ul	97
52) Acenaphthene	14.710	153	455372	21.013	ng/ul	99
53) 2,4-Dinitrophenol	14.781	184	99867	30.420	ng/ul	94
55) 4-Nitrophenol	14.887	109	75017	19.388	ng/ul	98
56) Dibenzofuran	15.045	168	635412	20.857	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	154518	21.488	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.281	232	140352	20.772	ng/ul	99
59) Diethylphthalate	15.463	149	543775	21.089	ng/ul	98
61) Fluorene	15.698	166	519925	21.056	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	270541	20.393	ng/ul	99
63) 4-Nitroaniline	15.745	138	77889m	21.107	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.792	198	96911	19.418	ng/ul	97
67) N-Nitrosodiphenylamine	15.910	169	431923	19.835	ng/ul	100
68) 4-Bromophenyl-phenylether	16.592	248	170778	19.609	ng/ul	97
69) Hexachlorobenzene	16.704	284	196154	19.609	ng/ul	97
70) Atrazine	16.869	200	168298	21.231	ng/ul	99
71) Pentachlorophenol	17.063	266	144138	24.871	ng/ul	98
72) Phenanthrene	17.451	178	815684	20.949	ng/ul	99
74) Anthracene	17.545	178	818450	20.856	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.446	216	239419	19.434	ng/uL	98
76) Pentachlorobenzene	14.963	250	233868	19.025	ng/uL	99
77) Carbazole	17.822	167	705662	21.487	ng/ul	99
78) Di-n-butylphthalate	18.351	149	917331	22.215	ng/ul	99
80) Fluoranthene	19.416	202	976168	17.363	ng/ul	99
82) Pyrene	19.769	202	1017084	17.328	ng/ul	100
83) Butylbenzylphthalate	20.628	149	428293	21.183	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.410	252	323433	20.658	ng/ul	98
85) Benzo(a)anthracene	21.480	228	1029010	20.513	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.375	149	625826	22.635	ng/ul	98
87) Chrysene	21.533	228	990759	20.916	ng/ul	99
89) Di-n-octyl phthalate	22.333	149	1073710	21.588	ng/ul	100
90) Benzo(b)fluoranthene	23.233	252	1067493	20.623	ng/ul	99
91) Benzo(k)fluoranthene	23.280	252	1079637	21.475	ng/ul	99
93) Benzo(a)pyrene	23.892	252	946472	21.243	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.633	276	1254851	20.471	ng/ul	98
95) Dibenzo(a,h)anthracene	26.645	278	1037014	20.206	ng/ul	99
96) Benzo(g,h,i)perylene	27.445	276	1036925	20.753	ng/ul	97

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