

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
 Data File : BP016316.D
 Acq On : 19 Jul 2023 04:50
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020667

Quant Time: Jul 19 05:31:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 19 01:28:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	159241	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	688926	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	438213	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.363	188	997273	20.000	ng/u1	0.00
79) Chrysene-d12	21.463	240	833856	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	787923	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	38854	8.634	ng/uL	0.00
4) Pyridine-d5	3.722	84	232402	20.707	ng/u1	0.00
7) Phenol-d5	7.128	99	286802	19.940	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	196582	20.212	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	231962	22.340	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	237683	20.513	ng/u1	-0.01
21) Nitrobenzene-d5	9.134	128	113982	23.982	ng/u1	0.00
24) 2-Nitrophenol-d4	9.857	143	130890	24.163	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	233595	24.902	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.934	131	312085	20.756	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	754463	22.570	ng/u1	0.00
49) Acenaphthylene-d8	14.292	160	848578	23.164	ng/u1	0.00
54) 4-Nitrophenol-d4	14.922	143	123881m	18.159	ng/u1	0.00
60) Fluorene-d10	15.592	176	625487	22.358	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.781	200	91245	15.849	ng/u1	0.00
73) Anthracene-d10	17.469	188	994484	22.797	ng/u1	0.00
81) Pyrene-d10	19.704	212	1150243	26.584	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	872920	23.070	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	41305	8.368	ng/uL#	93
5) Pyridine	3.746	79	236461	20.570	ng/u1	95
6) Benzaldehyde	7.099	77	196084	21.833	ng/u1	98
8) Phenol	7.157	94	305804	19.834	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.369	93	253185	20.191	ng/u1	98
12) 2-Chlorophenol	7.505	128	231922	21.528	ng/u1	96
13) 2-Methylphenol	8.410	108	236566	20.385	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.463	45	412555	20.273	ng/u1	99
16) Acetophenone	8.793	105	395137	20.681	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.757	70	223431	21.812	ng/u1	98
18) 4-Methylphenol	8.752	108	252342	19.885	ng/u1	95
19) Hexachloroethane	9.004	117	106899	21.766	ng/u1	96
22) Nitrobenzene	9.175	77	323653	23.437	ng/u1	98
23) Isophorone	9.693	82	630551	23.036	ng/u1	98
25) 2-Nitrophenol	9.893	139	138474	23.792	ng/u1	95
26) 2,4-Dimethylphenol	9.951	107	299504	23.401	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.175	93	355915	22.330	ng/u1	100
29) 2,4-Dichlorophenol	10.446	162	231388	23.989	ng/u1	96
30) Naphthalene	10.804	128	791747	21.899	ng/u1	99
32) 4-Chloroaniline	10.957	127	315699	21.111	ng/u1	97
33) Hexachlorobutadiene	11.063	225	163397	24.941	ng/u1	99
34) Caprolactam	11.769	113	80405m	23.026	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	272360	22.881	ng/u1	92
36) 2-Methylnaphthalene	12.428	142	536401	22.128	ng/u1	99

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37) 1-Methylnaphthalene	12.640	142	545684	21.888	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.798	216	299891	24.028	ng/ul	98
40) Hexachlorocyclopentadiene	12.745	237	98943	20.194	ng/ul	96
41) 2,4,6-Trichlorophenol	13.057	196	193371	24.523	ng/ul	98
42) 2,4,5-Trichlorophenol	13.151	196	202882	24.201	ng/ul	99
43) 1,1'-Biphenyl	13.428	154	730444	22.851	ng/ul	99
44) 2-Chloronaphthalene	13.481	162	567081	22.580	ng/ul	97
45) 2-Nitroaniline	13.728	65	203929	24.916	ng/ul	95
47) Dimethylphthalate	14.057	163	753753	22.326	ng/ul	98
48) 2,6-Dinitrotoluene	14.210	165	153744	24.155	ng/ul	95
50) Acenaphthylene	14.322	152	952314	22.634	ng/ul	100
51) 3-Nitroaniline	14.569	138	142369	22.027	ng/ul	97
52) Acenaphthene	14.663	153	624936	21.961	ng/ul	99
53) 2,4-Dinitrophenol	14.810	184	71049	15.948	ng/ul	95
55) 4-Nitrophenol	14.916	109	93186	17.950	ng/ul#	82
56) Dibenzofuran	15.004	168	862052	22.240	ng/ul	95
57) 2,4-Dinitrotoluene	15.022	165	222196	23.665	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.245	232	178395	23.448	ng/ul	98
59) Diethylphthalate	15.416	149	792774	22.580	ng/ul	99
61) Fluorene	15.651	166	719567	22.222	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.639	204	361226	23.066	ng/ul	96
63) 4-Nitroaniline	15.739	138	125923m	21.213	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.798	198	93734m	15.578	ng/ul	
67) N-Nitrosodiphenylamine	15.863	169	601620	22.759	ng/ul	99
68) 4-Bromophenyl-phenylether	16.539	248	226220	23.869	ng/ul	98
69) Hexachlorobenzene	16.663	284	268821	23.553	ng/ul	99
70) Atrazine	16.828	200	244115	23.289	ng/ul	96
71) Pentachlorophenol	17.033	266	119934	20.955	ng/ul	99
72) Phenanthrene	17.404	178	1150084	22.133	ng/ul	99
74) Anthracene	17.504	178	1178084	22.563	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	320692	24.495	ng/uL	99
76) Pentachlorobenzene	14.922	250	295185	23.886	ng/uL	99
77) Carbazole	17.792	167	1027827	21.590	ng/ul	98
78) Di-n-butylphthalate	18.298	149	1401202	23.496	ng/ul	100
80) Fluoranthene	19.375	202	1367517	27.028	ng/ul	97
82) Pyrene	19.733	202	1413240	26.161	ng/ul	96
83) Butylbenzylphthalate	20.574	149	655698	28.145	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.380	252	350602	17.995	ng/ul	99
85) Benzo(a)anthracene	21.439	228	1275042	23.481	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.321	149	967606	27.802	ng/ul	100
87) Chrysene	21.504	228	1187387	21.586	ng/ul	99
89) Di-n-octyl phthalate	22.263	149	1599267	32.404	ng/ul	100
90) Benzo(b)fluoranthene	23.180	252	1055400	23.450	ng/ul	98
91) Benzo(k)fluoranthene	23.233	252	1109951	24.234	ng/ul	98
93) Benzo(a)pyrene	23.839	252	994949	22.315	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.580	276	1154029	20.903	ng/ul	97
95) Dibenzo(a,h)anthracene	26.586	278	950374	21.104	ng/ul	97
96) Benzo(g,h,i)perylene	27.398	276	920929	20.898	ng/ul	95

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

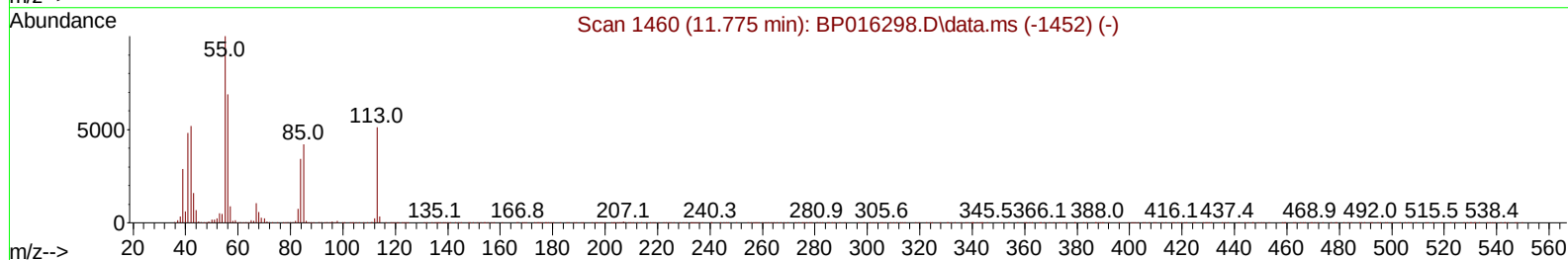
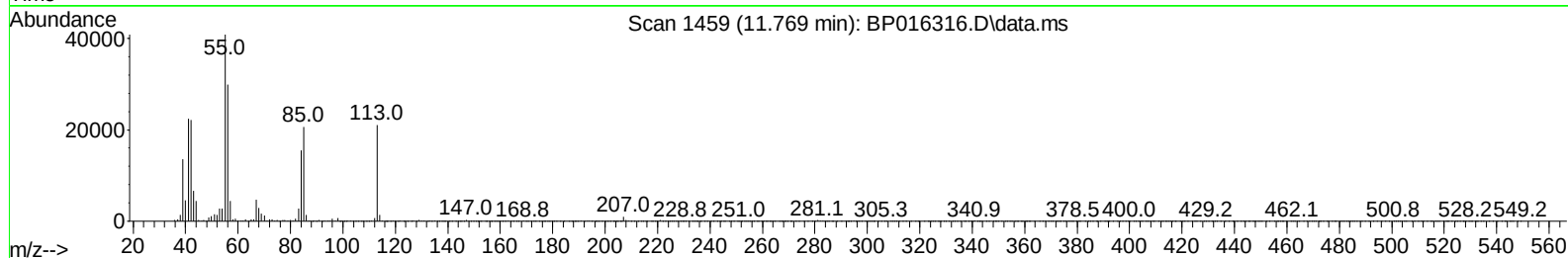
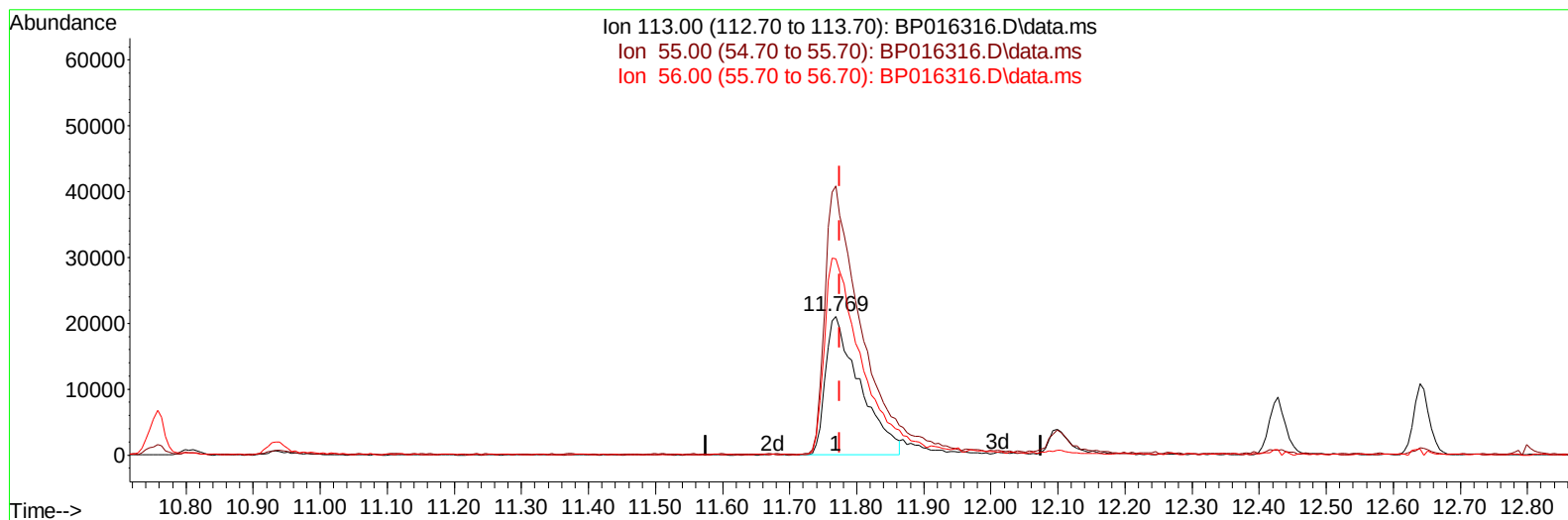
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(34) Caprolactam

11.769min (-0.006) 21.48 ng/ul

response 74998

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	184.80	193.66
56.00	129.70	141.50
0.00	0.00	0.00

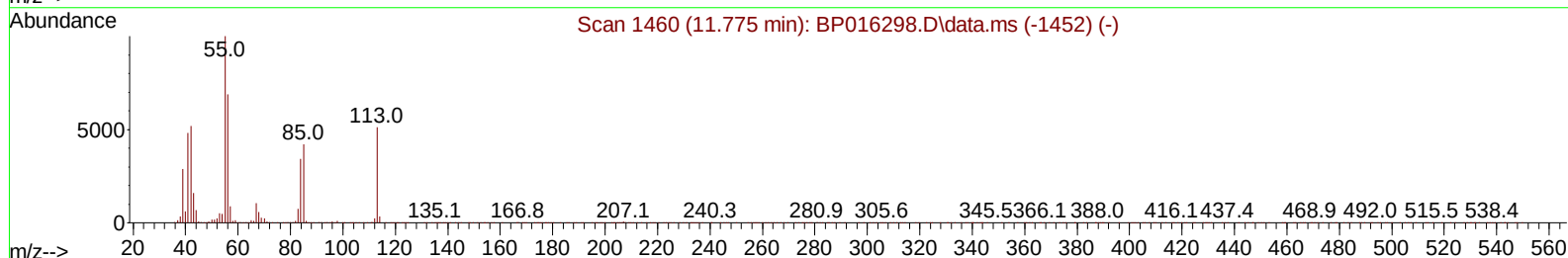
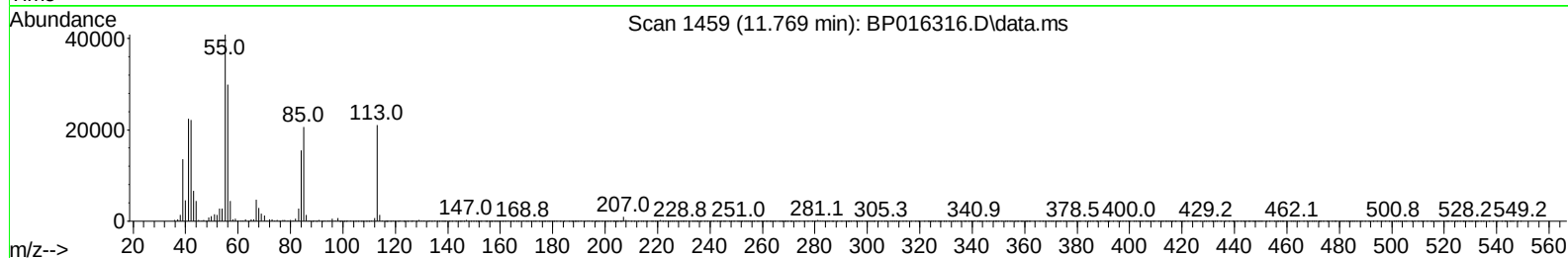
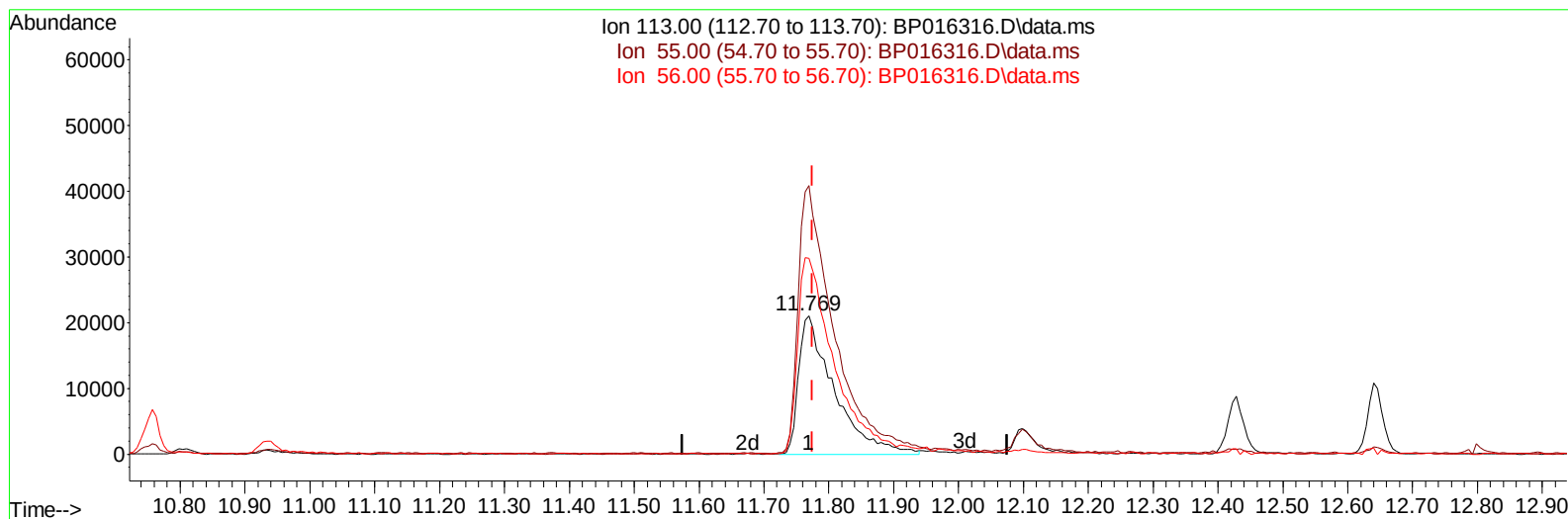
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(34) Caprolactam

11.769min (-0.006) 23.03 ng/ul m

response 80405

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	184.80	193.66
56.00	129.70	141.50
0.00	0.00	0.00

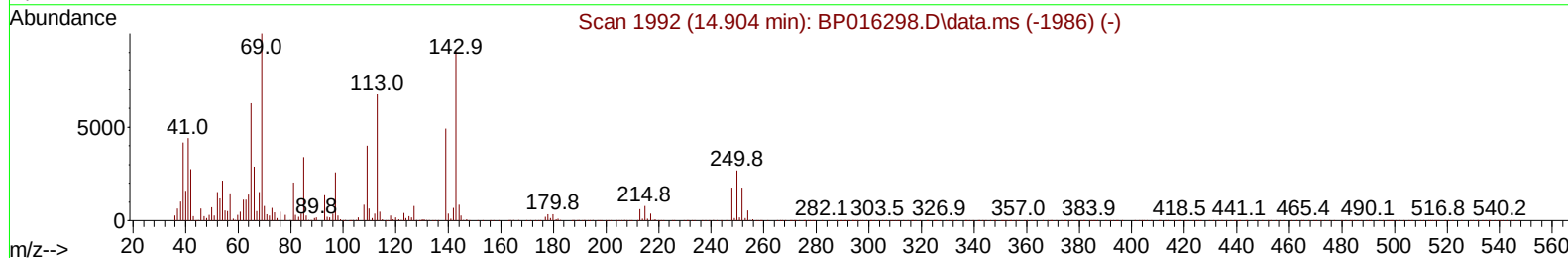
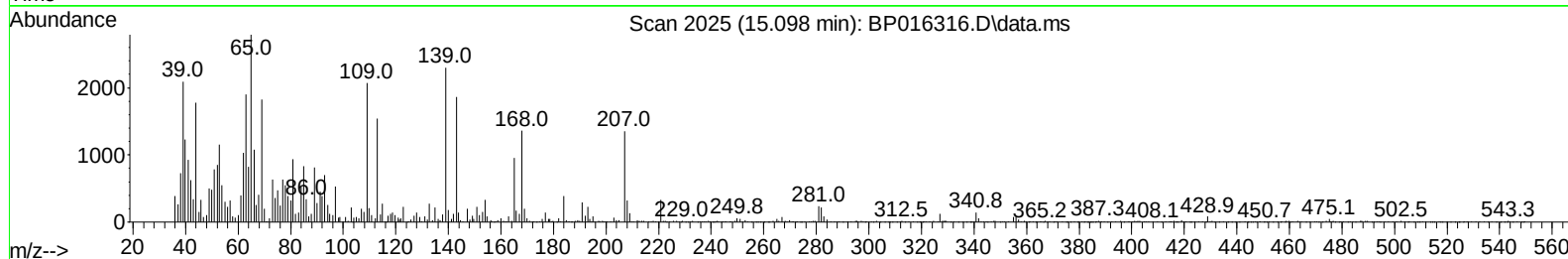
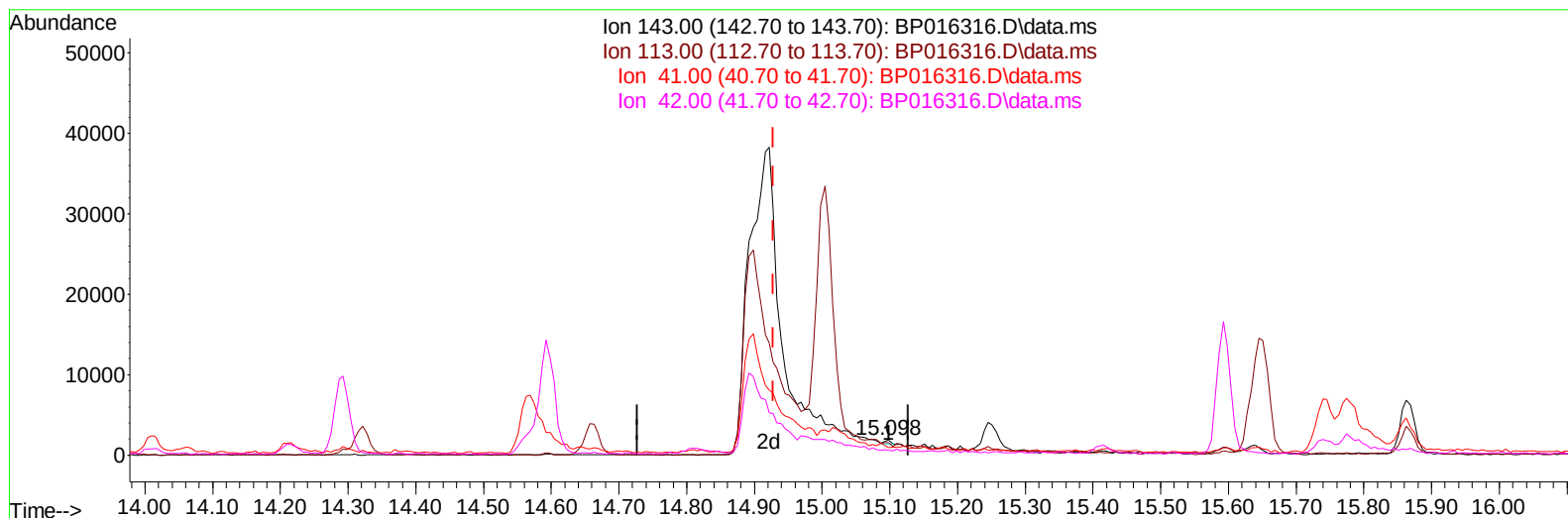
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(54) 4-Nitrophenol-d4 (S)

15.098min (+ 0.171) 0.04 ng/ul

response 298

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	79.50	82.73
41.00	49.30	49.92
42.00	32.70	33.30

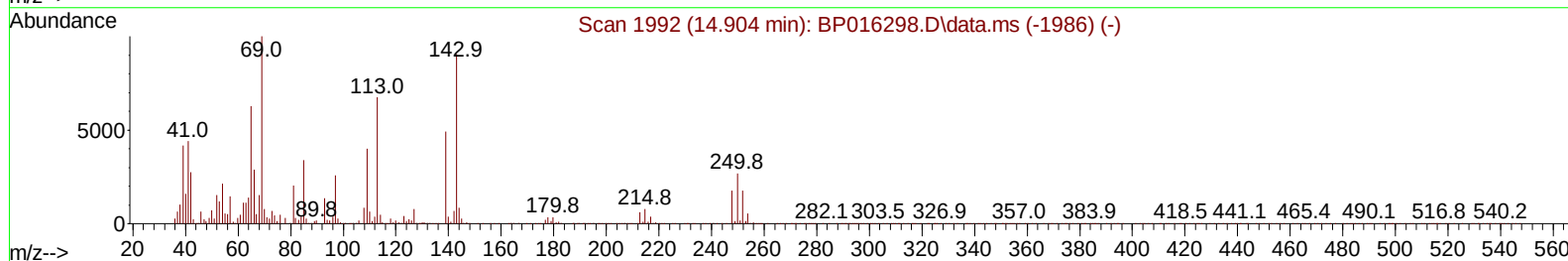
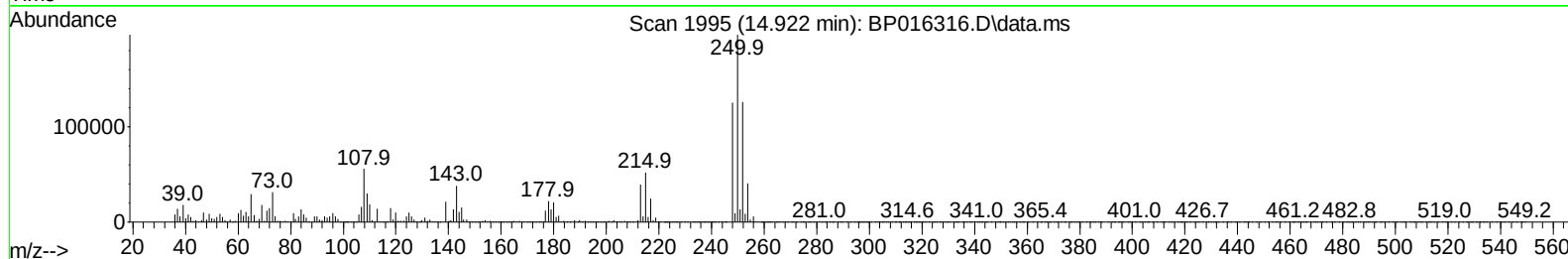
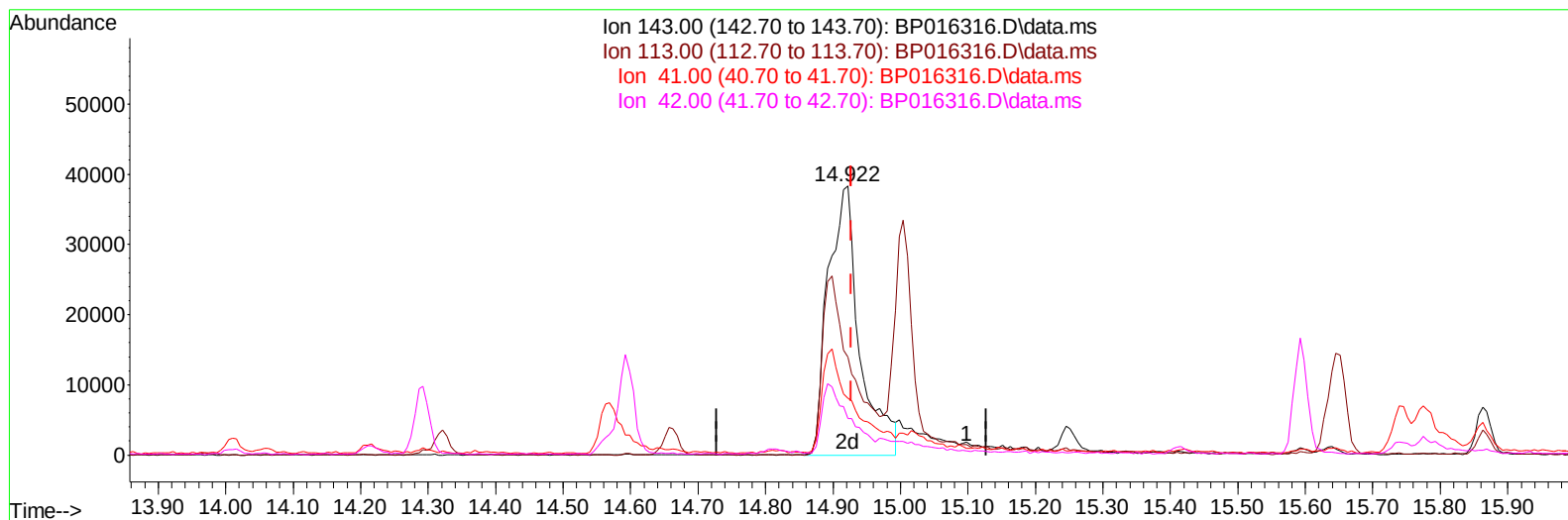
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(54) 4-Nitrophenol-d4 (S)

14.922min (-0.006) 18.16 ng/ul m

response 123881

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	79.50	36.35#
41.00	49.30	21.17#
42.00	32.70	13.66#

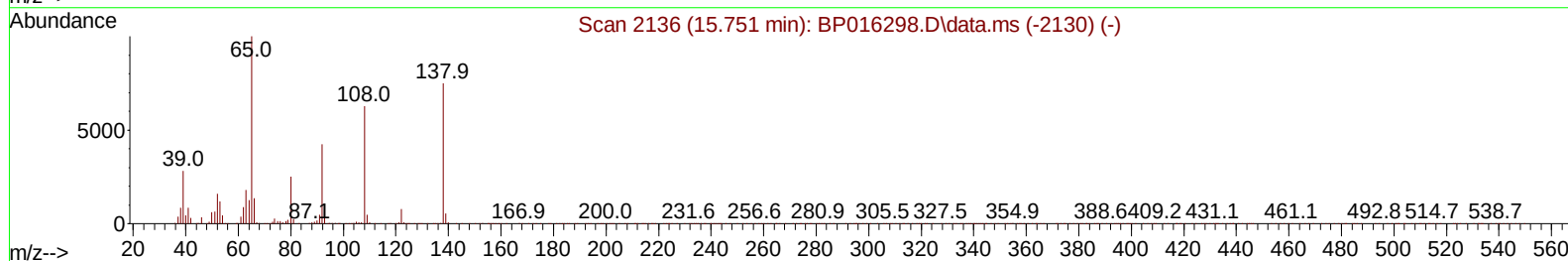
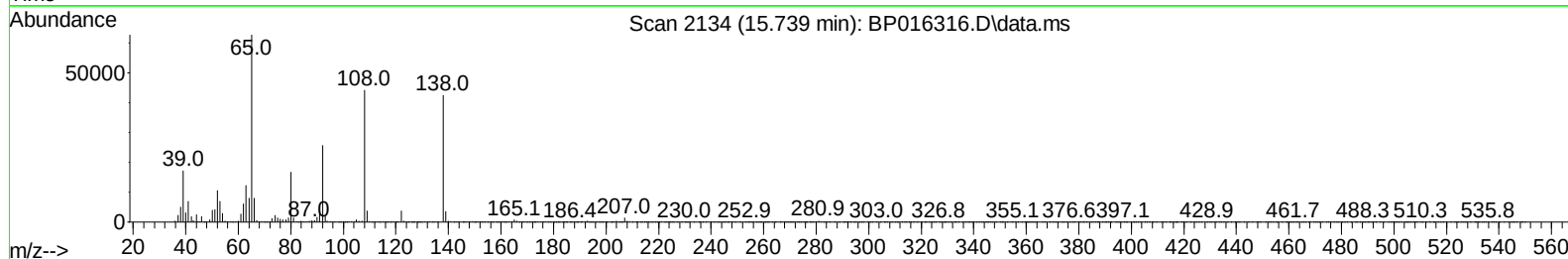
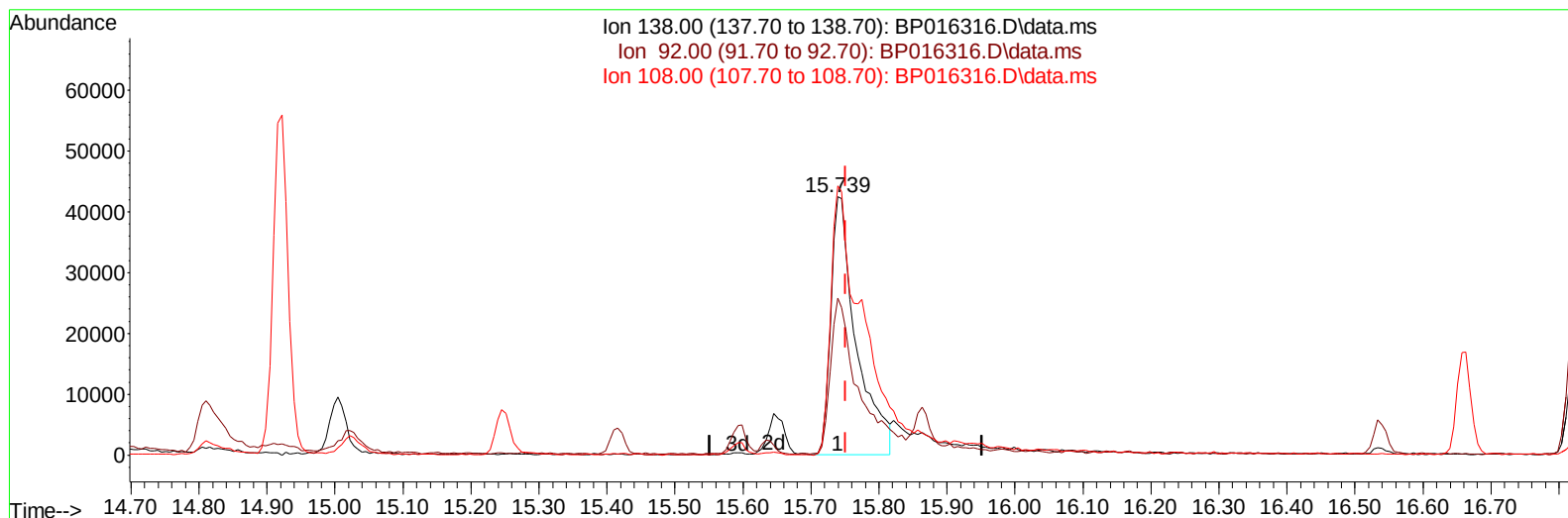
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(63) 4-Nitroaniline

15.739min (-0.012) 18.57 ng/ul

response 110255

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	58.30	60.69
108.00	85.40	104.14#
0.00	0.00	0.00

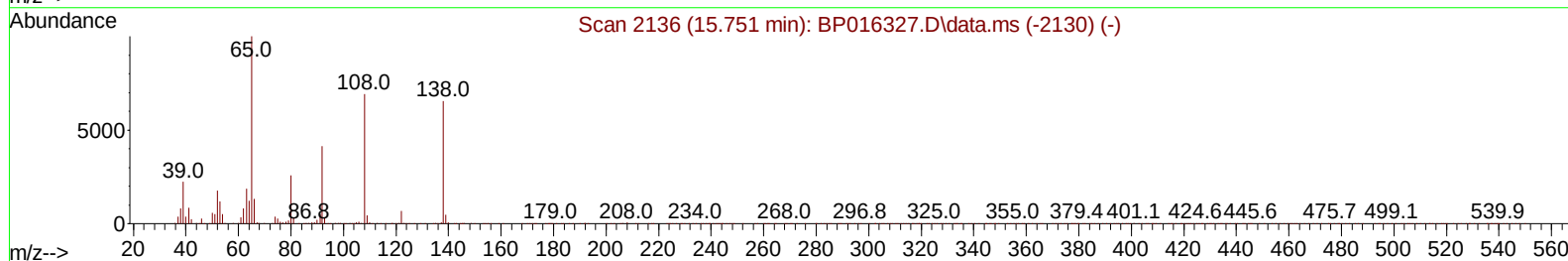
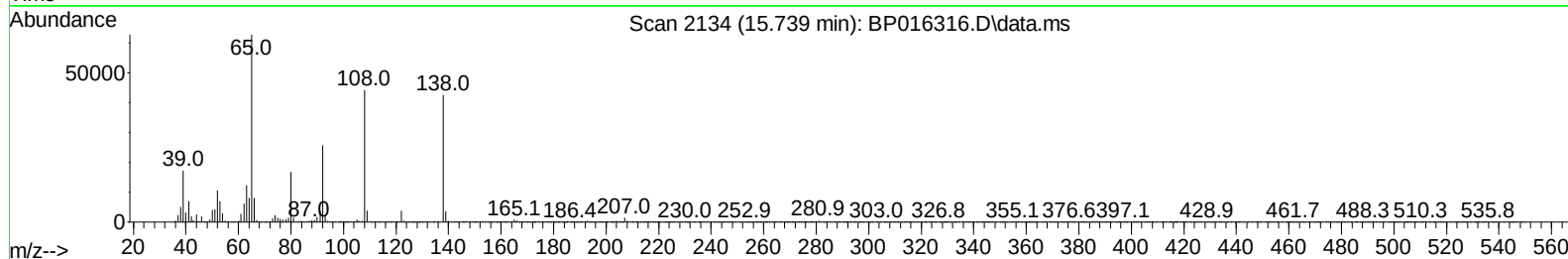
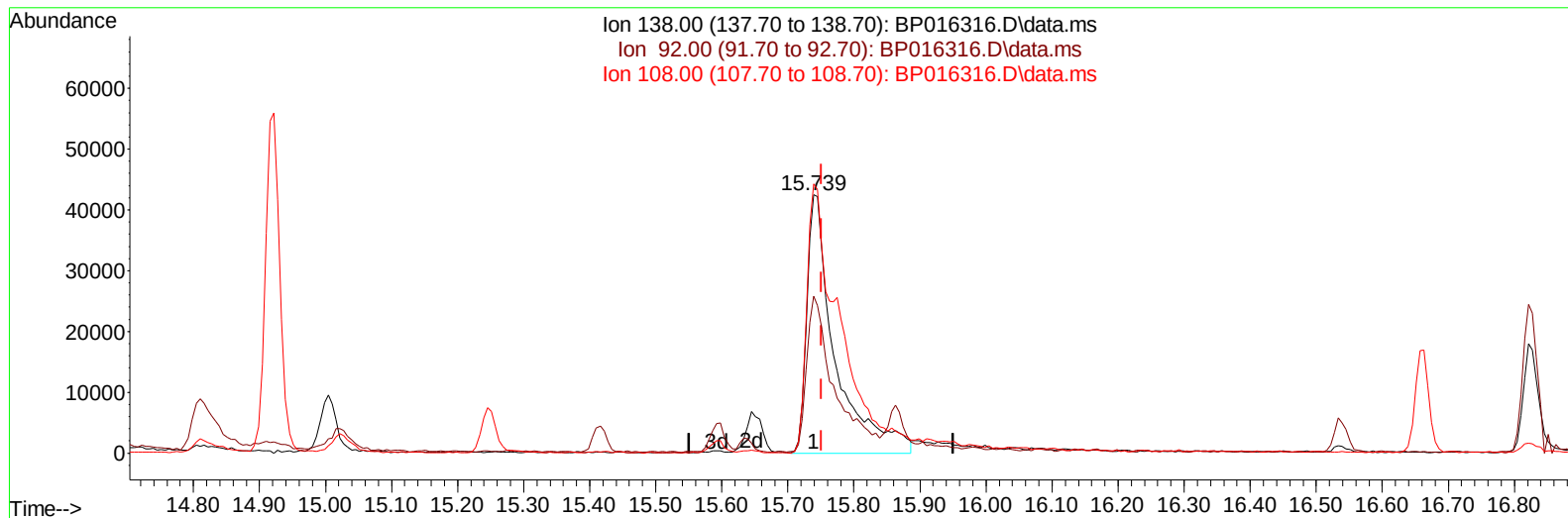
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(63) 4-Nitroaniline

15.739min (-0.012) 21.21 ng/ul m

response 125923

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	58.30	60.69
108.00	85.40	104.14#
0.00	0.00	0.00

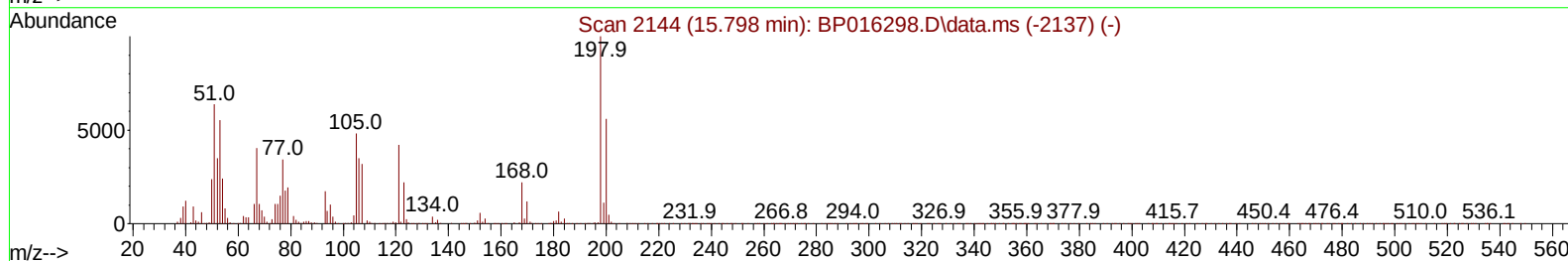
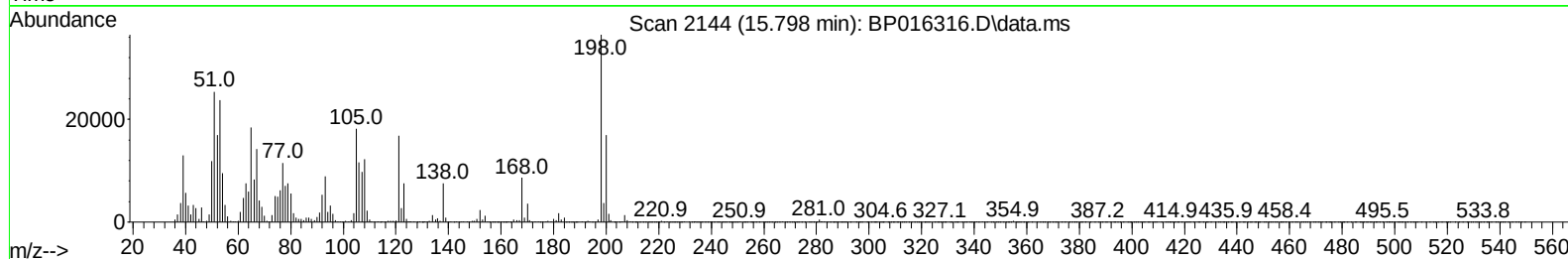
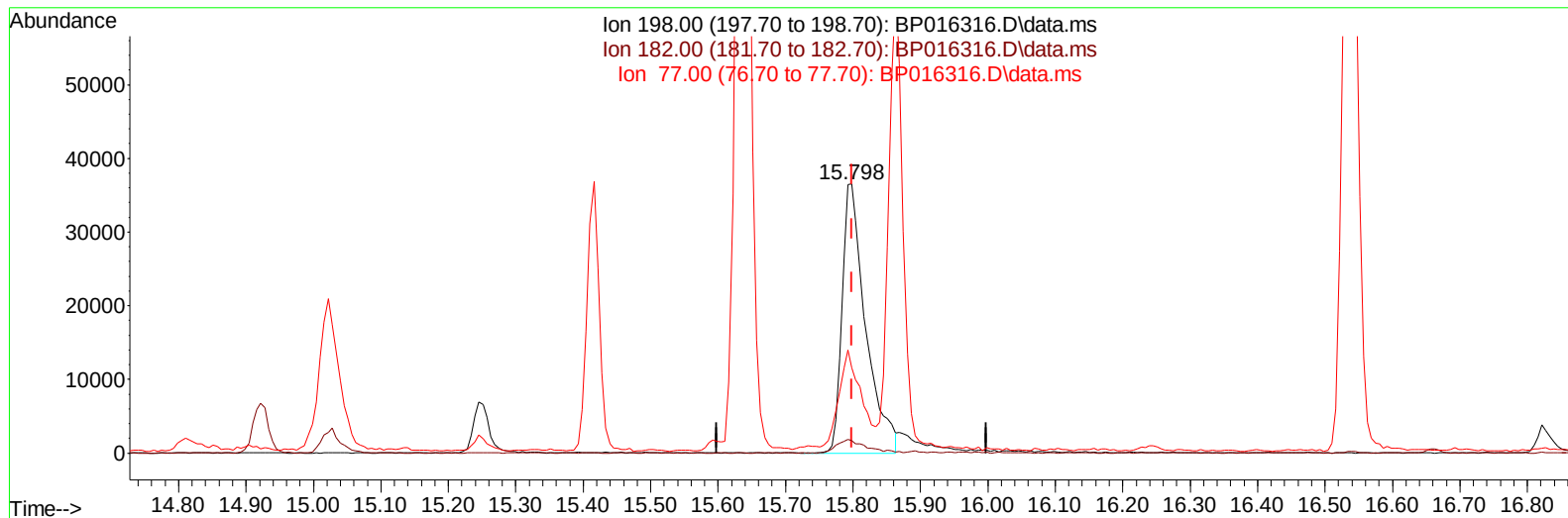
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(66) 4,6-Dinitro-2-methylphenol

15.798min (0.000) 14.71 ng/ul

response 88501

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	5.40	4.64
77.00	32.90	31.63
0.00	0.00	0.00

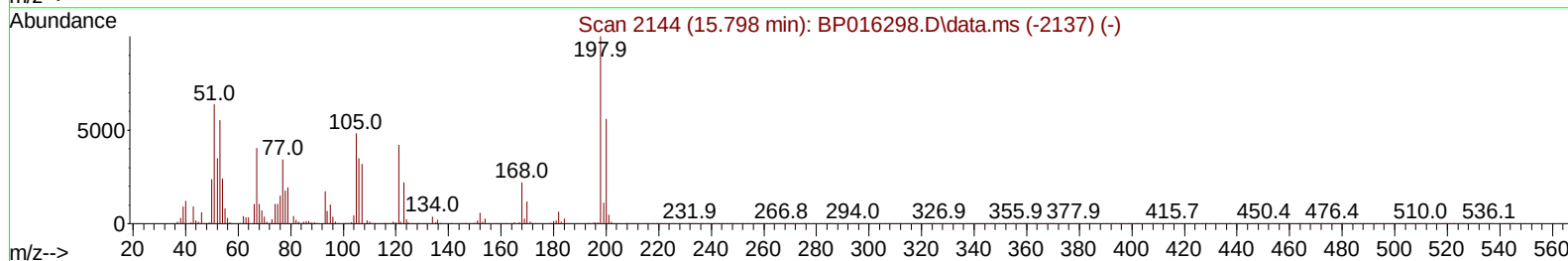
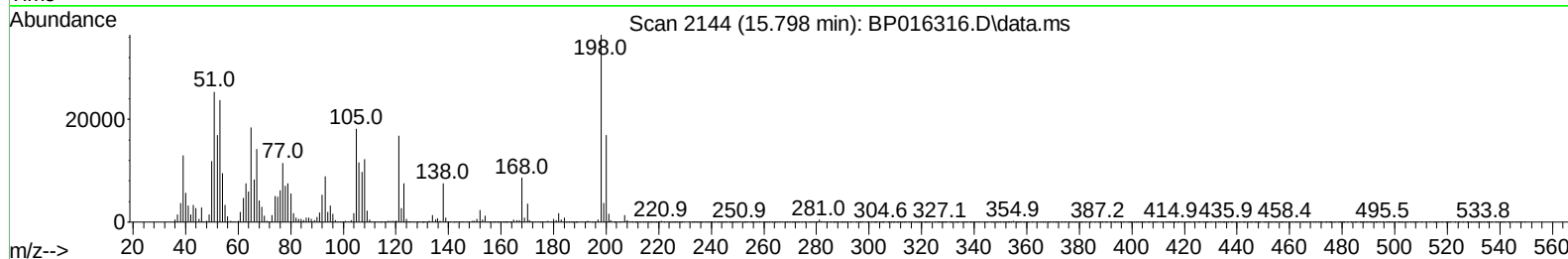
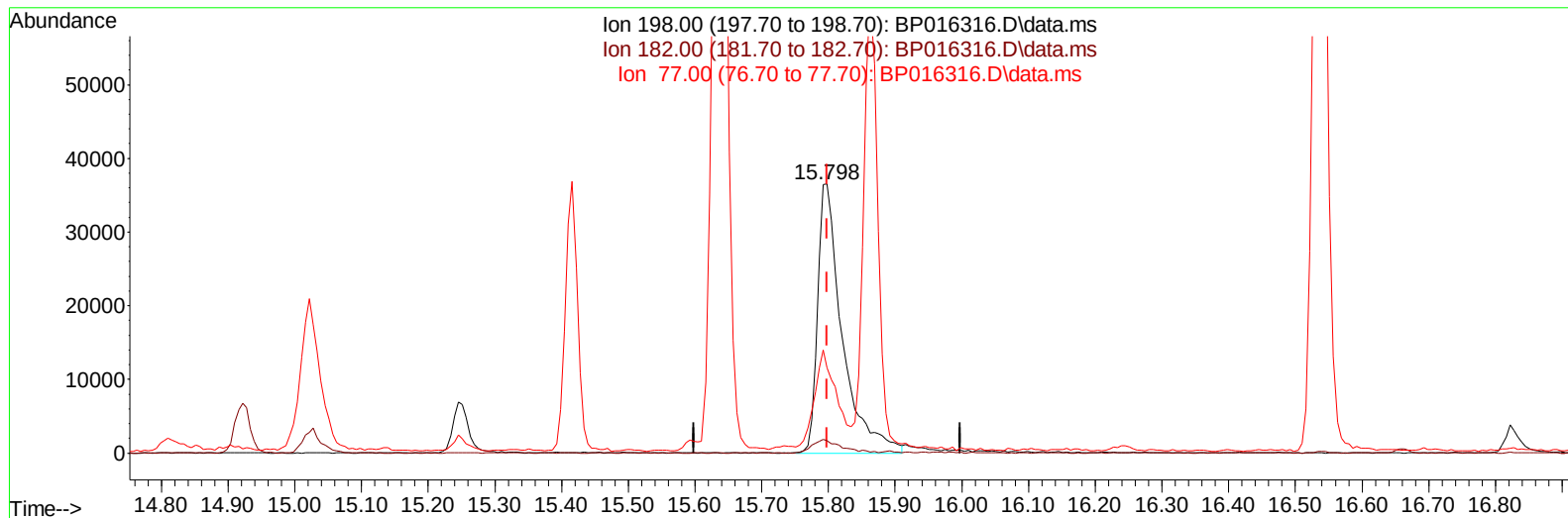
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
Data File : BP016316.D
Acq On : 19 Jul 2023 04:50
Operator : MA/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020667

Quant Time: Jul 19 05:29:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 19 01:28:59 2023
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



TIC: BP016316.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.798min (0.000) 15.58 ng/ul m

response 93734

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	5.40	4.64
77.00	32.90	31.63
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
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 Operator : MA/JU
 Sample : SSTDCCC020EC
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Instrument :
 BNA_P
 ClientSampleId :
 SSTD020667

Quant Time: Jul 19 05:31:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	159241	20.000	ng/ul	0.00
20) Naphthalene-d8	10.757	136	688926	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.598	164	438213	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.363	188	997273	20.000	ng/ul	0.00
79) Chrysene-d12	21.463	240	833856	20.000	ng/ul	0.00
88) Perylene-d12	23.951	264	787923	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	38854	8.634	ng/uL	0.00
4) Pyridine-d5	3.722	84	232402	20.707	ng/ul	0.00
7) Phenol-d5	7.128	99	286802	19.940	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	196582	20.212	ng/ul	0.00
11) 2-Chlorophenol-d4	7.475	132	231962	22.340	ng/ul	0.00
15) 4-Methylphenol-d8	8.681	113	237683	20.513	ng/ul	-0.01
21) Nitrobenzene-d5	9.134	128	113982	23.982	ng/ul	0.00
24) 2-Nitrophenol-d4	9.857	143	130890	24.163	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	233595	24.902	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.934	131	312085	20.756	ng/ul	0.00
46) Dimethylphthalate-d6	14.010	166	754463	22.570	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	848578	23.164	ng/ul	0.00
54) 4-Nitrophenol-d4	14.922	143	123881m	18.159	ng/ul	0.00
60) Fluorene-d10	15.592	176	625487	22.358	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.781	200	91245	15.849	ng/ul	0.00
73) Anthracene-d10	17.469	188	994484	22.797	ng/ul	0.00
81) Pyrene-d10	19.704	212	1150243	26.584	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.786	264	872920	23.070	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	41305	8.368	ng/ul#	93
5) Pyridine	3.746	79	236461	20.570	ng/ul	95
6) Benzaldehyde	7.099	77	196084	21.833	ng/ul	98
8) Phenol	7.157	94	305804	19.834	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.369	93	253185	20.191	ng/ul	98
12) 2-Chlorophenol	7.505	128	231922	21.528	ng/ul	96
13) 2-Methylphenol	8.410	108	236566	20.385	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.463	45	412555	20.273	ng/ul	99
16) Acetophenone	8.793	105	395137	20.681	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.757	70	223431	21.812	ng/ul	98
18) 4-Methylphenol	8.752	108	252342	19.885	ng/ul	95
19) Hexachloroethane	9.004	117	106899	21.766	ng/ul	96
22) Nitrobenzene	9.175	77	323653	23.437	ng/ul	98
23) Isophorone	9.693	82	630551	23.036	ng/ul	98
25) 2-Nitrophenol	9.893	139	138474	23.792	ng/ul	95
26) 2,4-Dimethylphenol	9.951	107	299504	23.401	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.175	93	355915	22.330	ng/ul	100
29) 2,4-Dichlorophenol	10.446	162	231388	23.989	ng/ul	96
30) Naphthalene	10.804	128	791747	21.899	ng/ul	99
32) 4-Chloroaniline	10.957	127	315699	21.111	ng/ul	97
33) Hexachlorobutadiene	11.063	225	163397	24.941	ng/ul	99
34) Caprolactam	11.769	113	80405m	23.026	ng/ul	
35) 4-Chloro-3-methylphenol	12.098	107	272360	22.881	ng/ul	92

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Instrument :
 BNA_P
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Quant Time: Jul 19 05:31:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.428	142	536401	22.128	ng/ul	99
37) 1-Methylnaphthalene	12.640	142	545684	21.888	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.798	216	299891	24.028	ng/ul	98
40) Hexachlorocyclopentadiene	12.745	237	98943	20.194	ng/ul	96
41) 2,4,6-Trichlorophenol	13.057	196	193371	24.523	ng/ul	98
42) 2,4,5-Trichlorophenol	13.151	196	202882	24.201	ng/ul	99
43) 1,1'-Biphenyl	13.428	154	730444	22.851	ng/ul	99
44) 2-Chloronaphthalene	13.481	162	567081	22.580	ng/ul	97
45) 2-Nitroaniline	13.728	65	203929	24.916	ng/ul	95
47) Dimethylphthalate	14.057	163	753753	22.326	ng/ul	98
48) 2,6-Dinitrotoluene	14.210	165	153744	24.155	ng/ul	95
50) Acenaphthylene	14.322	152	952314	22.634	ng/ul	100
51) 3-Nitroaniline	14.569	138	142369	22.027	ng/ul	97
52) Acenaphthene	14.663	153	624936	21.961	ng/ul	99
53) 2,4-Dinitrophenol	14.810	184	71049	15.948	ng/ul	95
55) 4-Nitrophenol	14.916	109	93186	17.950	ng/ul#	82
56) Dibenzofuran	15.004	168	862052	22.240	ng/ul	95
57) 2,4-Dinitrotoluene	15.022	165	222196	23.665	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.245	232	178395	23.448	ng/ul	98
59) Diethylphthalate	15.416	149	792774	22.580	ng/ul	99
61) Fluorene	15.651	166	719567	22.222	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.639	204	361226	23.066	ng/ul	96
63) 4-Nitroaniline	15.739	138	125923m	21.213	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.798	198	93734m	15.578	ng/ul	
67) N-Nitrosodiphenylamine	15.863	169	601620	22.759	ng/ul	99
68) 4-Bromophenyl-phenylether	16.539	248	226220	23.869	ng/ul	98
69) Hexachlorobenzene	16.663	284	268821	23.553	ng/ul	99
70) Atrazine	16.828	200	244115	23.289	ng/ul	96
71) Pentachlorophenol	17.033	266	119934	20.955	ng/ul	99
72) Phenanthrene	17.404	178	1150084	22.133	ng/ul	99
74) Anthracene	17.504	178	1178084	22.563	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	320692	24.495	ng/uL	99
76) Pentachlorobenzene	14.922	250	295185	23.886	ng/uL	99
77) Carbazole	17.792	167	1027827	21.590	ng/ul	98
78) Di-n-butylphthalate	18.298	149	1401202	23.496	ng/ul	100
80) Fluoranthene	19.375	202	1367517	27.028	ng/ul	97
82) Pyrene	19.733	202	1413240	26.161	ng/ul	96
83) Butylbenzylphthalate	20.574	149	655698	28.145	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.380	252	350602	17.995	ng/ul	99
85) Benzo(a)anthracene	21.439	228	1275042	23.481	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.321	149	967606	27.802	ng/ul	100
87) Chrysene	21.504	228	1187387	21.586	ng/ul	99
89) Di-n-octyl phthalate	22.263	149	1599267	32.404	ng/ul	100
90) Benzo(b)fluoranthene	23.180	252	1055400	23.450	ng/ul	98
91) Benzo(k)fluoranthene	23.233	252	1109951	24.234	ng/ul	98
93) Benzo(a)pyrene	23.839	252	994949	22.315	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.580	276	1154029	20.903	ng/ul	97
95) Dibenzo(a,h)anthracene	26.586	278	950374	21.104	ng/ul	97
96) Benzo(g,h,i)perylene	27.398	276	920929	20.898	ng/ul	95

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

Instrument :

BNA_P

ClientSampleId :

SSTD020667

Manual Integrations

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