

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042760.D
 Acq On : 15 Nov 2023 07:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020142

Quant Time: Nov 15 09:32:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 00:02:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	30229	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.645	136	128677	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.486	164	86289	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.239	188	191897	20.000	ng/u1	-0.01
79) Chrysene-d12	21.421	240	206678	20.000	ng/u1	-0.01
88) Perylene-d12	23.785	264	230681	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	8275	8.589	ng/uL	-0.01
4) Pyridine-d5	3.616	84	52117	21.748	ng/u1	-0.01
7) Phenol-d5	6.998	99	60281	20.490	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	46206	22.351	ng/u1	0.00
11) 2-Chlorophenol-d4	7.351	132	46334	20.410	ng/u1	-0.01
15) 4-Methylphenol-d8	8.551	113	46660	20.143	ng/u1	-0.01
21) Nitrobenzene-d5	9.033	128	20983	18.599	ng/u1	0.00
24) 2-Nitrophenol-d4	9.745	143	24287	18.402	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.269	165	47033	19.166	ng/u1	0.00
31) 4-Chloroaniline-d4	10.822	131	56619	18.172	ng/u1	0.00
46) Dimethylphthalate-d6	13.910	166	149180	18.267	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	163050	18.660	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.739	143	12026	13.034	ng/u1	0.00
60) Fluorene-d10	15.480	176	124941	18.475	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.627	200	22942	15.783	ng/u1	-0.01
73) Anthracene-d10	17.339	188	199681	18.567	ng/u1	-0.01
81) Pyrene-d10	19.633	212	253961	18.765	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.633	264	262101	18.995	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.216	88	8788	8.566	ng/uL	98
5) Pyridine	3.640	79	56962	21.860	ng/u1	97
6) Benzaldehyde	6.998	77	40716	24.121	ng/u1	97
8) Phenol	7.028	94	60395	20.638	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.269	93	50876	21.047	ng/u1	96
12) 2-Chlorophenol	7.387	128	46208	20.453	ng/u1	91
13) 2-Methylphenol	8.281	108	44647	20.459	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.339	45	101883m	23.153	ng/u1	
16) Acetophenone	8.681	105	76744	19.703	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.645	70	49587	20.913	ng/u1	92
18) 4-Methylphenol	8.616	108	49160	20.720	ng/u1	93
19) Hexachloroethane	8.881	117	25867	20.543	ng/u1	85
22) Nitrobenzene	9.075	77	68405	20.061	ng/u1	98
23) Isophorone	9.581	82	134085	19.744	ng/u1	96
25) 2-Nitrophenol	9.775	139	25391	18.936	ng/u1	94
26) 2,4-Dimethylphenol	9.816	107	56338	19.637	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.069	93	66479	19.372	ng/u1	96
29) 2,4-Dichlorophenol	10.298	162	43435	18.695	ng/u1	97
30) Naphthalene	10.692	128	154638	19.182	ng/u1	99
32) 4-Chloroaniline	10.845	127	54547	18.248	ng/u1	96
33) Hexachlorobutadiene	10.916	225	36950	18.004	ng/u1	98
34) Caprolactam	11.663	113	12110m	17.579	ng/u1	
35) 4-Chloro-3-methylphenol	11.951	107	48809	19.605	ng/u1	98
36) 2-Methylnaphthalene	12.304	142	101427	18.773	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.527	142	106588	18.763	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.657	216	64225	18.978	ng/ul	98
40) Hexachlorocyclopentadiene	12.598	237	29603	18.477	ng/ul	91
41) 2,4,6-Trichlorophenol	12.921	196	39281	19.003	ng/ul	97
42) 2,4,5-Trichlorophenol	12.998	196	38556	19.317	ng/ul	93
43) 1,1'-Biphenyl	13.321	154	137690	19.134	ng/ul	97
44) 2-Chloronaphthalene	13.368	162	110031	19.006	ng/ul	97
45) 2-Nitroaniline	13.621	65	37300	19.756	ng/ul	95
47) Dimethylphthalate	13.957	163	148112	18.620	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	27251	18.236	ng/ul	96
50) Acenaphthylene	14.216	152	186775	19.076	ng/ul	99
51) 3-Nitroaniline	14.451	138	21491	17.587	ng/ul	97
52) Acenaphthene	14.551	153	126390	19.087	ng/ul	98
53) 2,4-Dinitrophenol	14.663	184	10911	14.684	ng/ul	89
55) 4-Nitrophenol	14.757	109	22668	15.612	ng/ul	92
56) Dibenzofuran	14.886	168	173574	18.886	ng/ul	96
57) 2,4-Dinitrotoluene	14.892	165	39983	18.225	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.110	232	38271	18.471	ng/ul#	95
59) Diethylphthalate	15.304	149	151924	18.214	ng/ul	99
61) Fluorene	15.533	166	145819	18.688	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.527	204	78668	18.707	ng/ul	98
63) 4-Nitroaniline	15.621	138	20116	18.057	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.639	198	24004	16.221	ng/ul#	88
67) N-Nitrosodiphenylamine	15.757	169	112495	18.691	ng/ul	97
68) 4-Bromophenyl-phenylether	16.427	248	47163	18.464	ng/ul	89
69) Hexachlorobenzene	16.504	284	58388	18.699	ng/ul	99
70) Atrazine	16.704	200	42210	18.207	ng/ul	97
71) Pentachlorophenol	16.874	266	30428	16.922	ng/ul	96
72) Phenanthrene	17.280	178	226179	18.867	ng/ul	96
74) Anthracene	17.374	178	223494	18.534	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.274	216	66828	19.695	ng/uL	98
76) Pentachlorobenzene	14.780	250	68867	19.343	ng/uL	98
77) Carbazole	17.668	167	184852	18.565	ng/ul	98
78) Di-n-butylphthalate	18.180	149	254570	17.484	ng/ul	98
80) Fluoranthene	19.298	202	281086	18.215	ng/ul	100
82) Pyrene	19.662	202	302875	18.511	ng/ul	97
83) Butylbenzylphthalate	20.544	149	119257	17.064	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.356	252	91147	17.231	ng/ul	97
85) Benzo(a)anthracene	21.403	228	302162	18.624	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.291	149	175069	16.511	ng/ul	100
87) Chrysene	21.456	228	290380	18.455	ng/ul	100
89) Di-n-octyl phthalate	22.197	149	308473	16.554	ng/ul	100
90) Benzo(b)fluoranthene	23.056	252	301838m	19.173	ng/ul	
91) Benzo(k)fluoranthene	23.103	252	322217	19.227	ng/ul	98
93) Benzo(a)pyrene	23.680	252	291697	19.015	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.250	276	369799	19.397	ng/ul	99
95) Dibenzo(a,h)anthracene	26.262	278	304741	19.280	ng/ul	98
96) Benzo(g,h,i)perylene	27.021	276	293219	19.369	ng/ul	99

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

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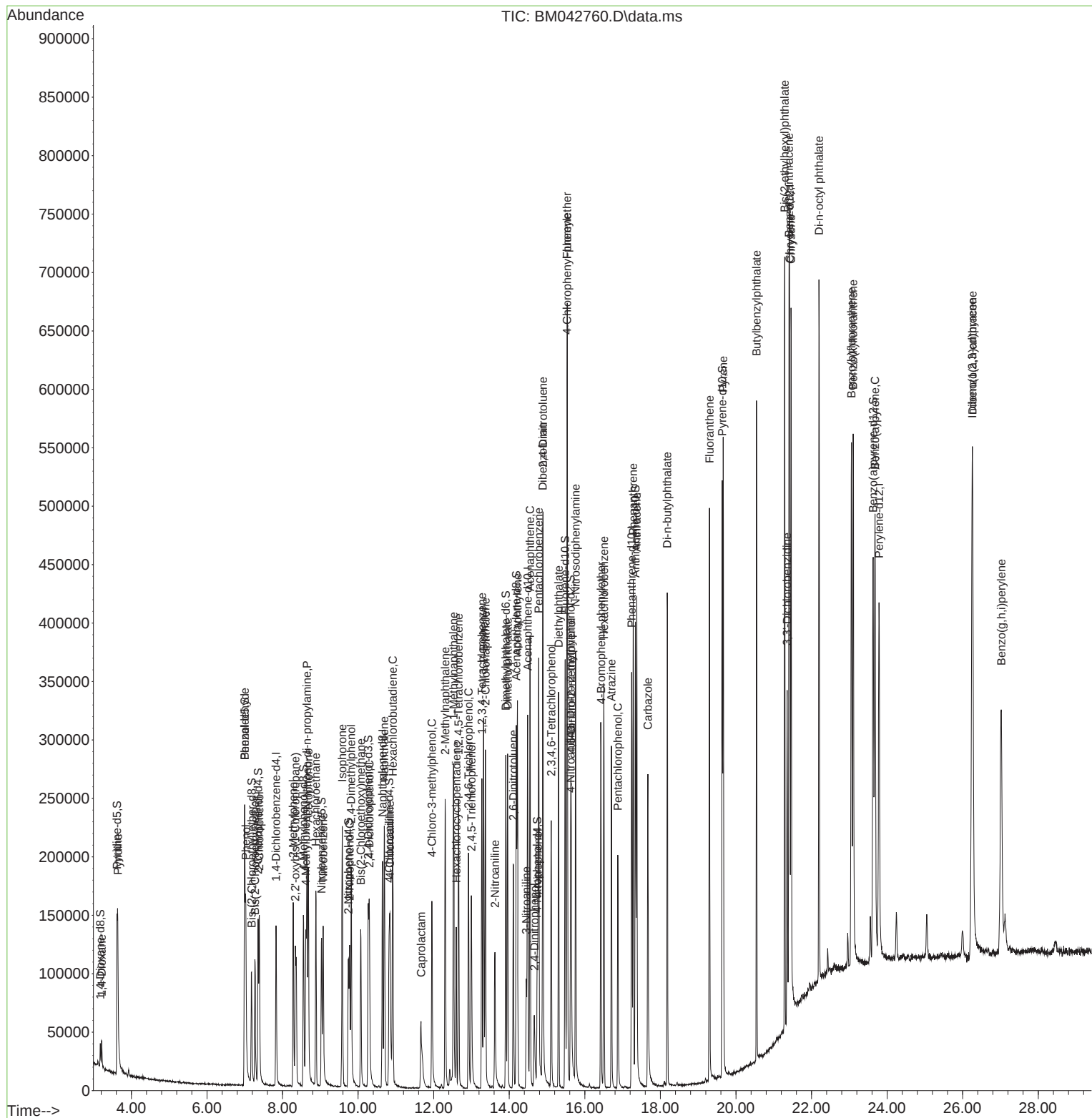
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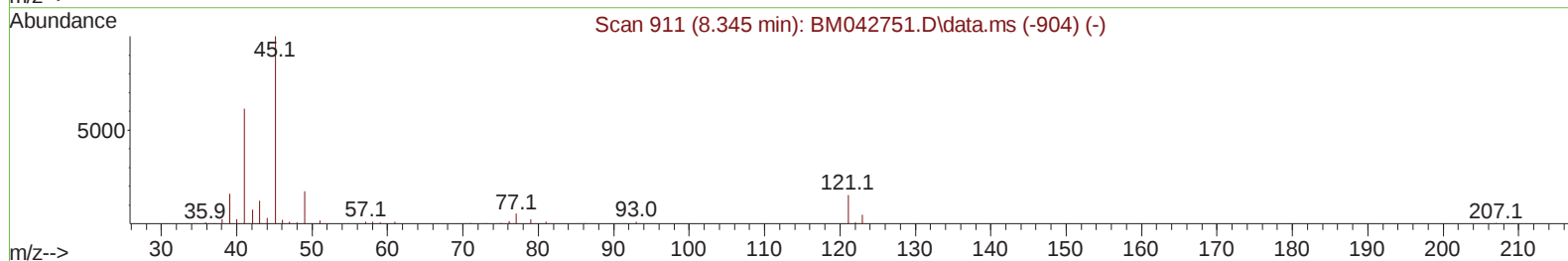
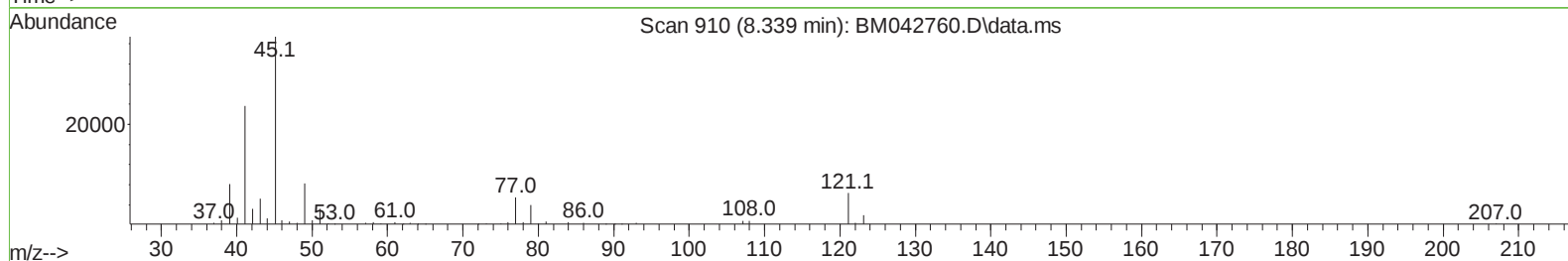
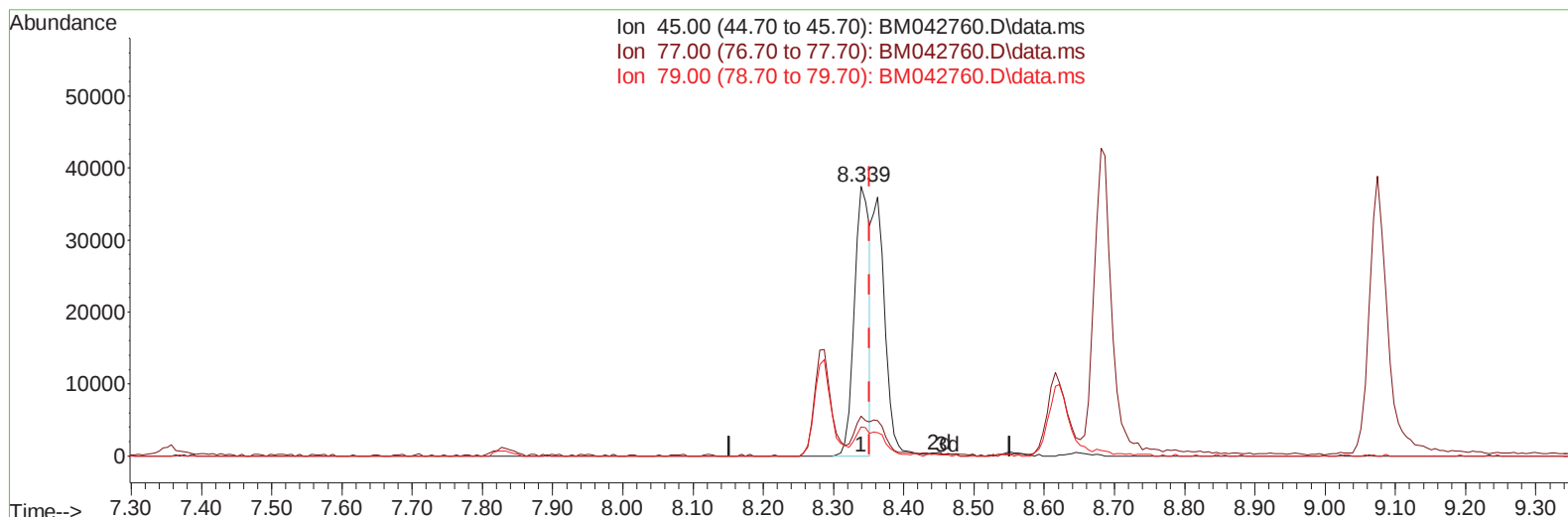
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TIC: BM042760.D\data.ms

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

8.339min (-0.012) 12.82 ng/u1

response 56430

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	15.20	14.66
79.00	10.20	10.73
0.00	0.00	0.00

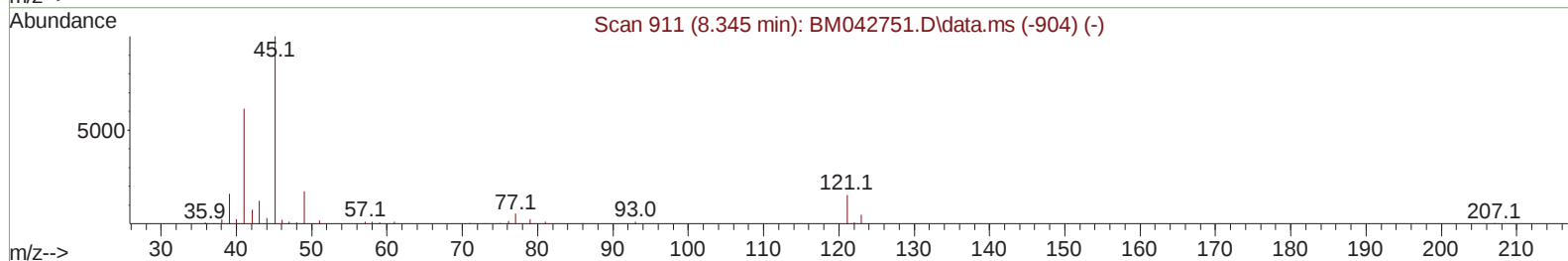
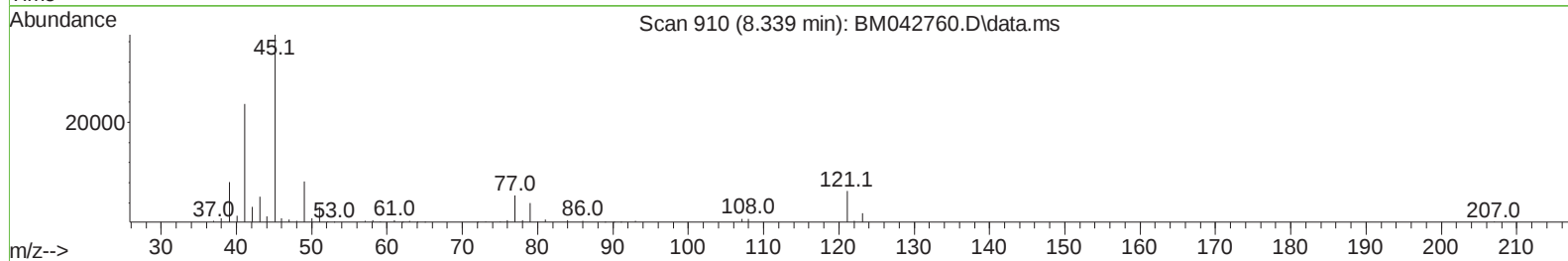
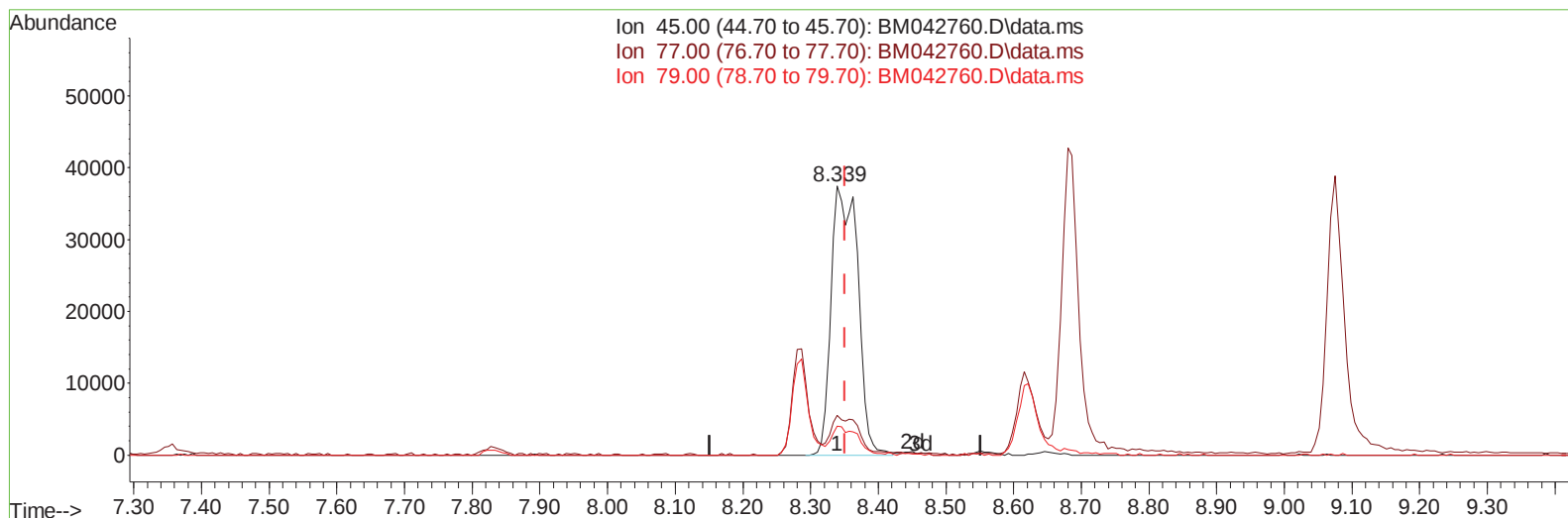
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TIC: BM042760.D\data.ms

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

8.339min (-0.012) 23.15 ng/ul m

response 101883

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	15.20	14.66
79.00	10.20	10.73
0.00	0.00	0.00

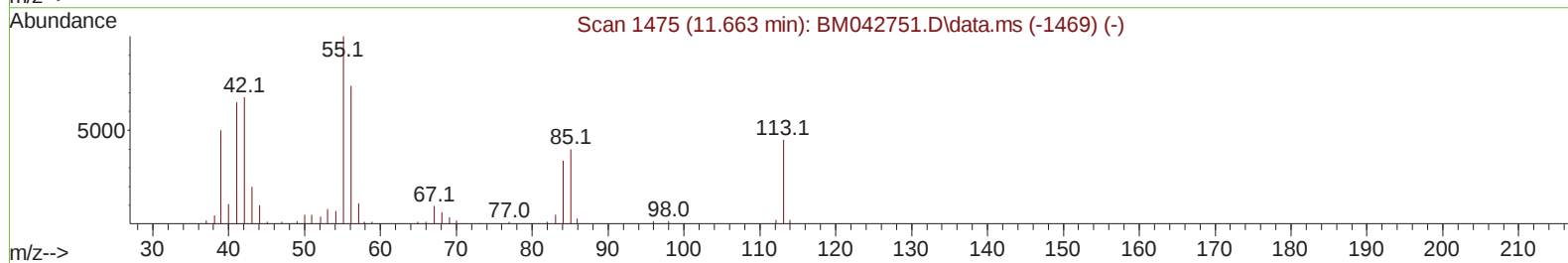
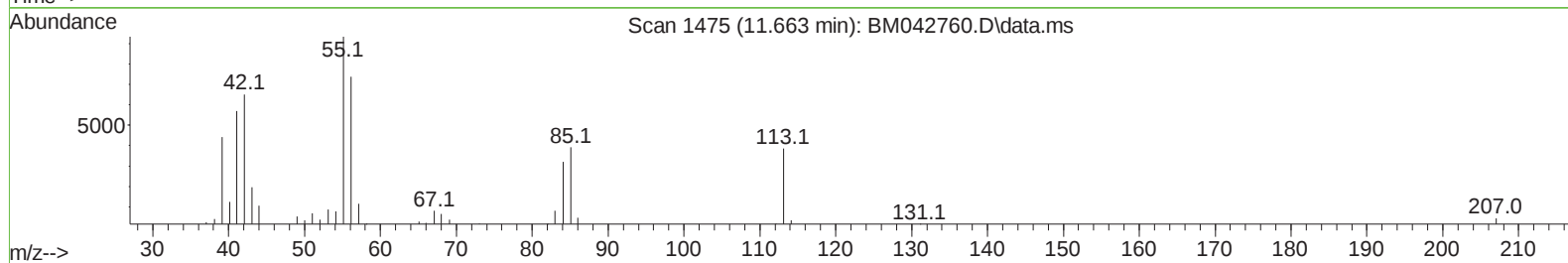
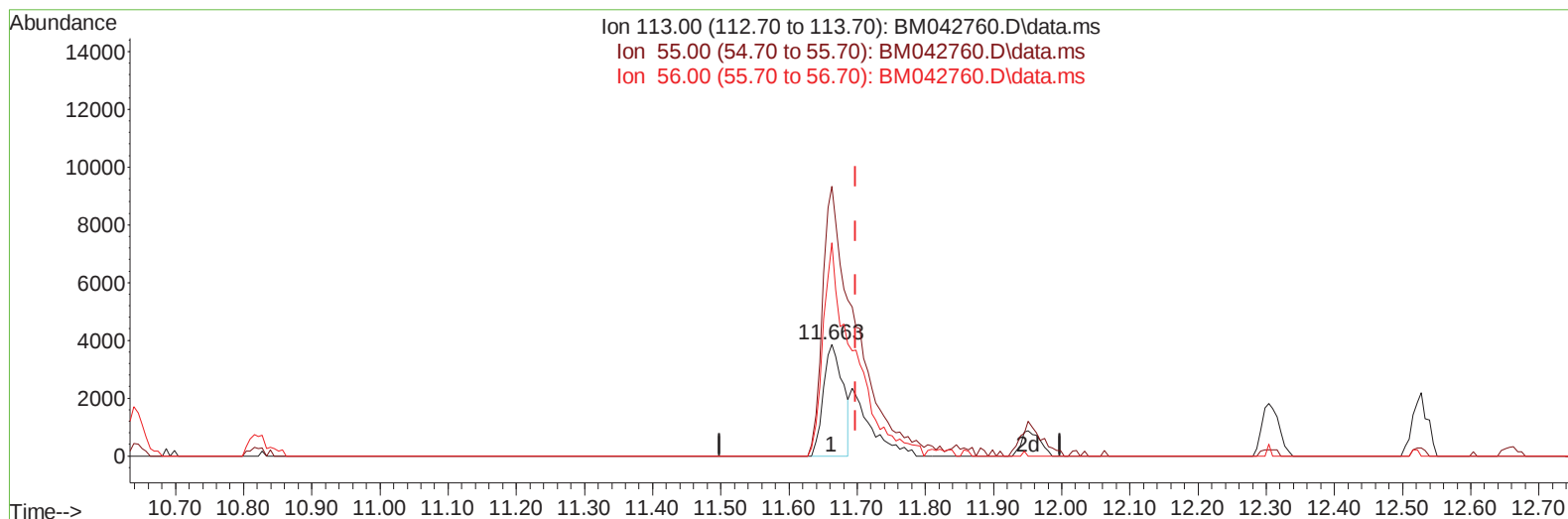
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(34) Caprolactam

11.663min (-0.035) 11.21 ng/ul

response 7722

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.20	241.47
56.00	167.90	191.04
0.00	0.00	0.00

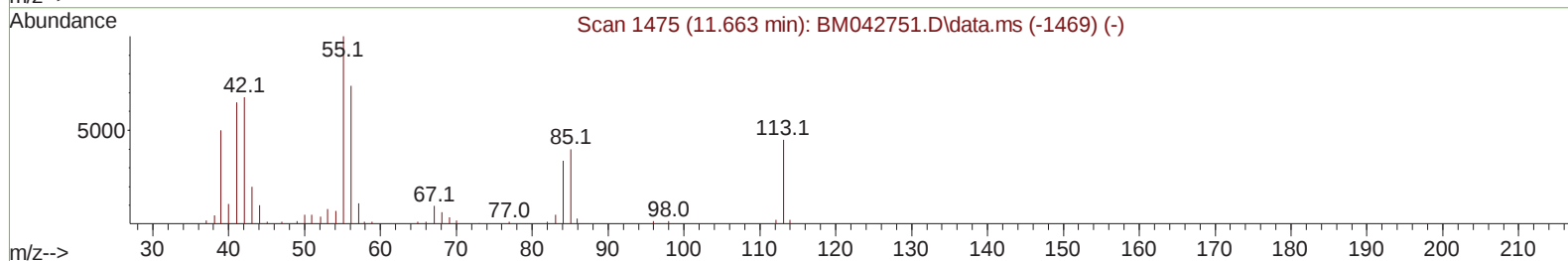
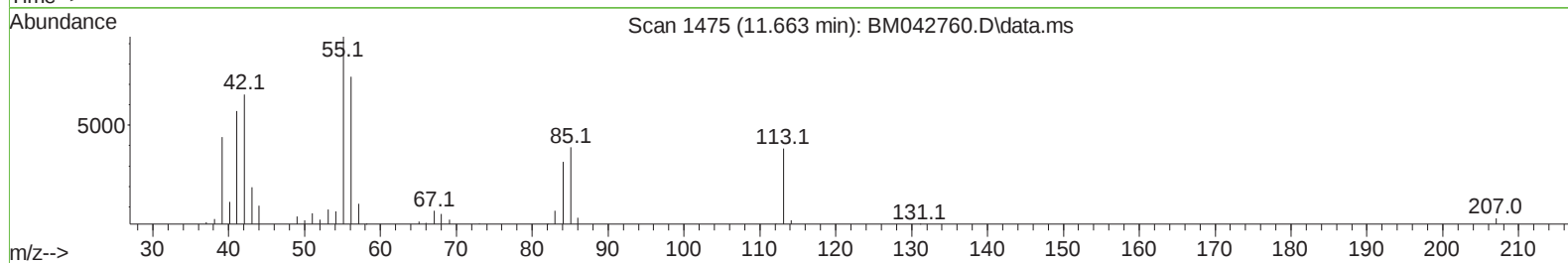
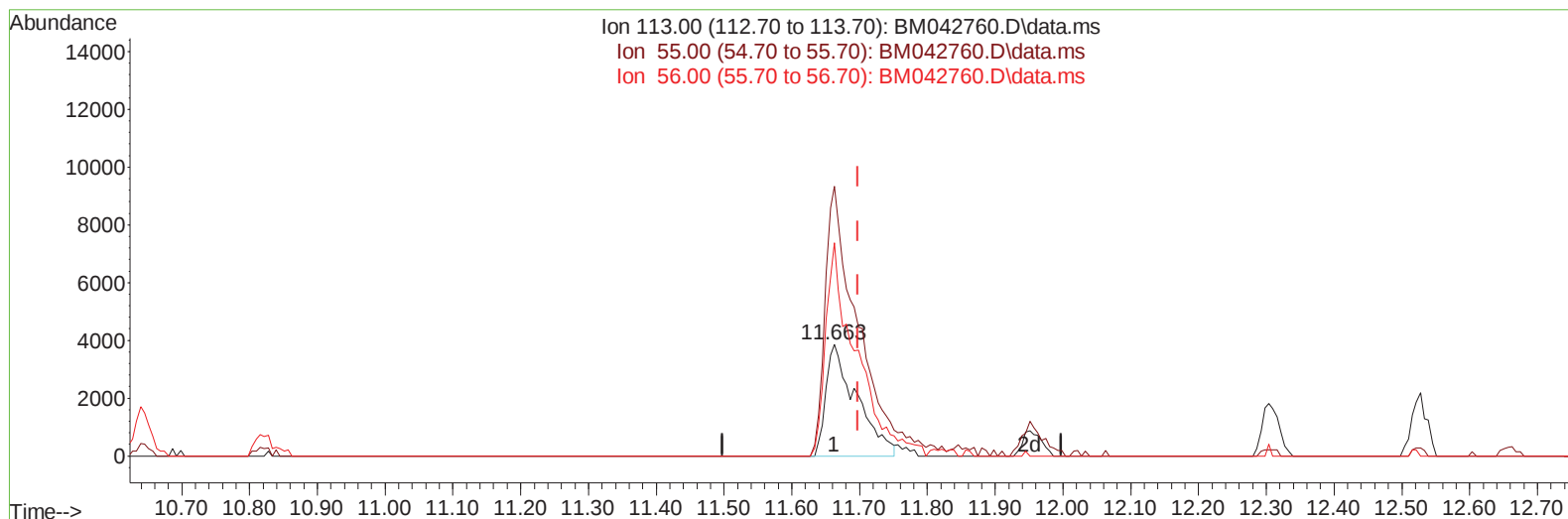
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TIC: BM042760.D\data.ms

(34) Caprolactam

11.663min (-0.035) 17.58 ng/ul m

response 12110

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.20	241.47
56.00	167.90	191.04
0.00	0.00	0.00

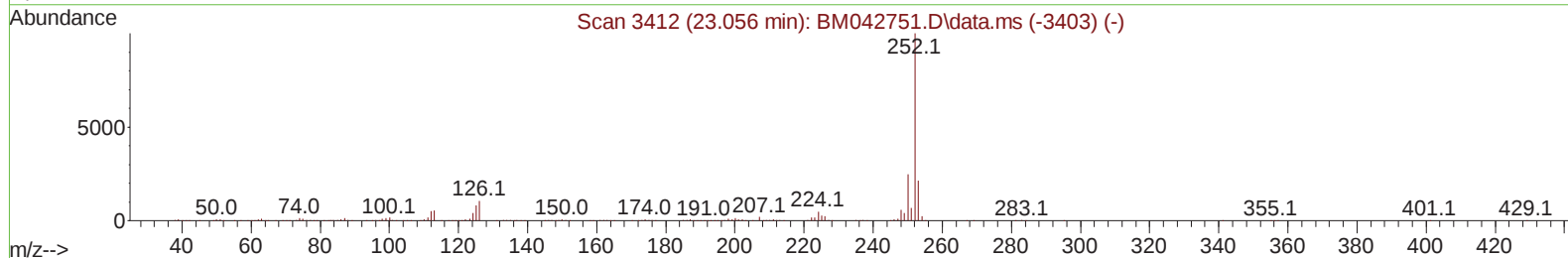
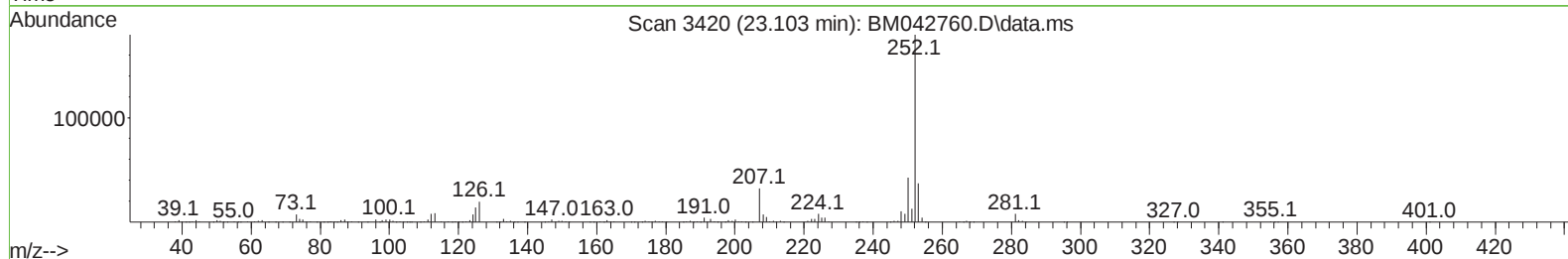
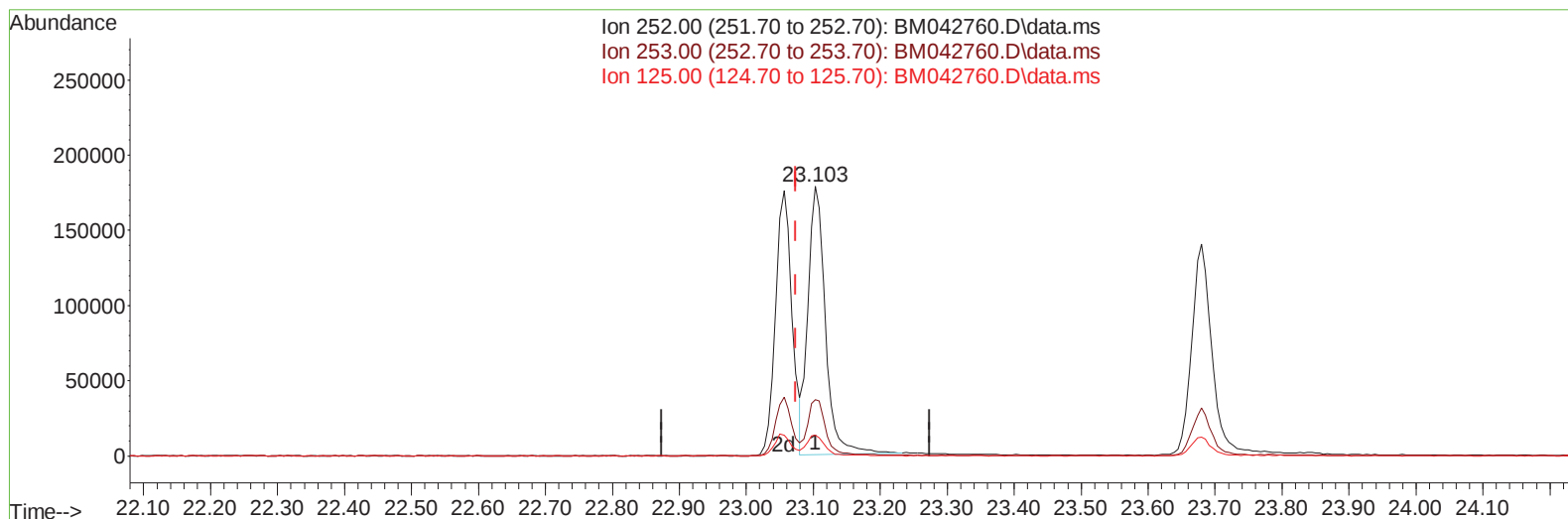
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(90) Benzo(b)fluoranthene

23.103min (+ 0.029) 20.47 ng/u1

response 322217

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.30	20.84
125.00	6.50	7.75
0.00	0.00	0.00

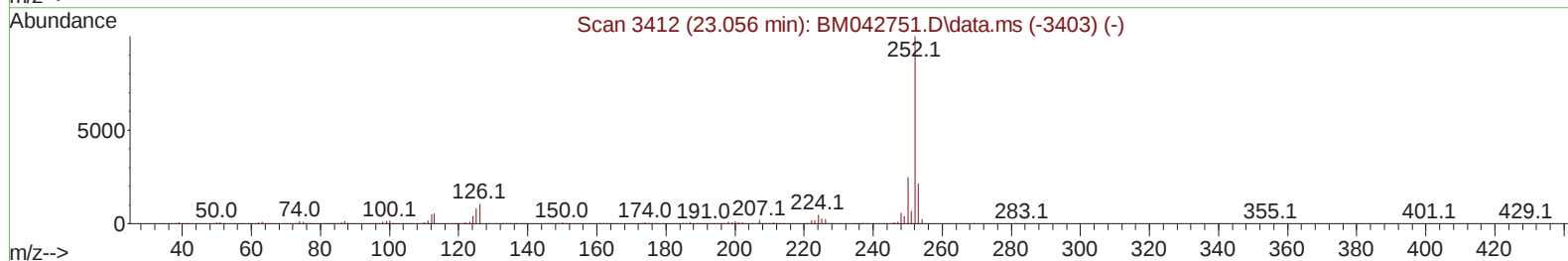
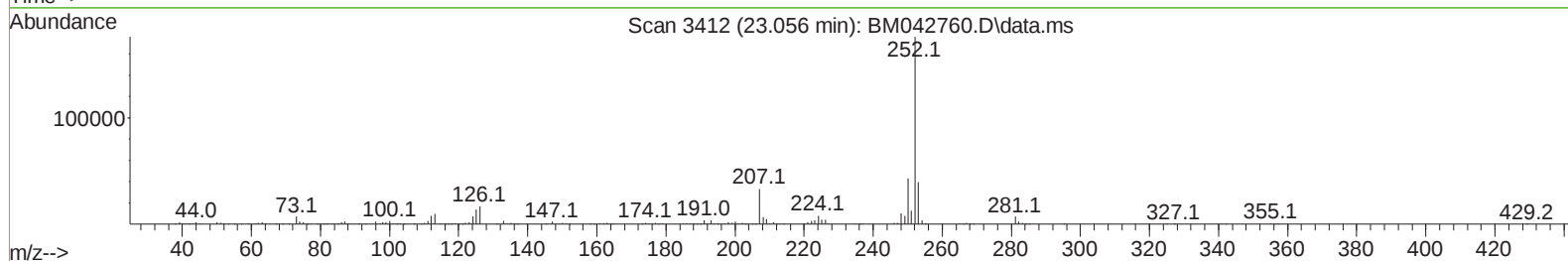
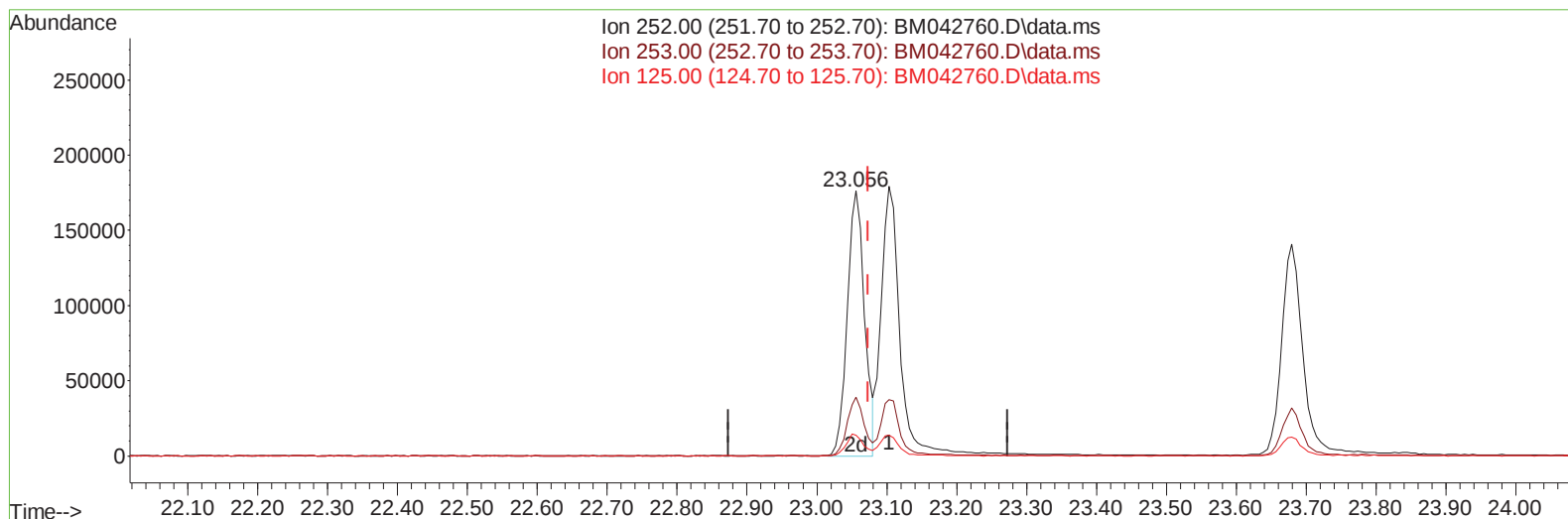
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(90) Benzo(b)fluoranthene

23.056min (-0.018) 19.17 ng/ul m

response 301838

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.30	22.28
125.00	6.50	7.91#
0.00	0.00	0.00

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38) Acenaphthene-d10	14.486	164	86289	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.239	188	191897	20.000	ng/ul	-0.01
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88) Perylene-d12	23.785	264	230681	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	8275	8.589	ng/uL	-0.01
4) Pyridine-d5	3.616	84	52117	21.748	ng/ul	-0.01
7) Phenol-d5	6.998	99	60281	20.490	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	46206	22.351	ng/ul	0.00
11) 2-Chlorophenol-d4	7.351	132	46334	20.410	ng/ul	-0.01
15) 4-Methylphenol-d8	8.551	113	46660	20.143	ng/ul	-0.01
21) Nitrobenzene-d5	9.033	128	20983	18.599	ng/ul	0.00
24) 2-Nitrophenol-d4	9.745	143	24287	18.402	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.269	165	47033	19.166	ng/ul	0.00
31) 4-Chloroaniline-d4	10.822	131	56619	18.172	ng/ul	0.00
46) Dimethylphthalate-d6	13.910	166	149180	18.267	ng/ul	0.00
49) Acenaphthylene-d8	14.186	160	163050	18.660	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.739	143	12026	13.034	ng/ul	0.00
60) Fluorene-d10	15.480	176	124941	18.475	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.627	200	22942	15.783	ng/ul	-0.01
73) Anthracene-d10	17.339	188	199681	18.567	ng/ul	-0.01
81) Pyrene-d10	19.633	212	253961	18.765	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.633	264	262101	18.995	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.216	88	8788	8.566	ng/uL	98
5) Pyridine	3.640	79	56962	21.860	ng/ul	97
6) Benzaldehyde	6.998	77	40716	24.121	ng/ul	97
8) Phenol	7.028	94	60395	20.638	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.269	93	50876	21.047	ng/ul	96
12) 2-Chlorophenol	7.387	128	46208	20.453	ng/ul	91
13) 2-Methylphenol	8.281	108	44647	20.459	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.339	45	101883m	23.153	ng/ul	
16) Acetophenone	8.681	105	76744	19.703	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.645	70	49587	20.913	ng/ul	92
18) 4-Methylphenol	8.616	108	49160	20.720	ng/ul	93
19) Hexachloroethane	8.881	117	25867	20.543	ng/ul	85
22) Nitrobenzene	9.075	77	68405	20.061	ng/ul	98
23) Isophorone	9.581	82	134085	19.744	ng/ul	96
25) 2-Nitrophenol	9.775	139	25391	18.936	ng/ul	94
26) 2,4-Dimethylphenol	9.816	107	56338	19.637	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.069	93	66479	19.372	ng/ul	96
29) 2,4-Dichlorophenol	10.298	162	43435	18.695	ng/ul	97
30) Naphthalene	10.692	128	154638	19.182	ng/ul	99
32) 4-Chloroaniline	10.845	127	54547	18.248	ng/ul	96
33) Hexachlorobutadiene	10.916	225	36950	18.004	ng/ul	98
34) Caprolactam	11.663	113	12110m	17.579	ng/ul	
35) 4-Chloro-3-methylphenol	11.951	107	48809	19.605	ng/ul	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042760.D
 Acq On : 15 Nov 2023 07:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020142

Quant Time: Nov 15 09:32:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 00:02:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.304	142	101427	18.773	ng/ul	95
37) 1-Methylnaphthalene	12.527	142	106588	18.763	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.657	216	64225	18.978	ng/ul	98
40) Hexachlorocyclopentadiene	12.598	237	29603	18.477	ng/ul	91
41) 2,4,6-Trichlorophenol	12.921	196	39281	19.003	ng/ul	97
42) 2,4,5-Trichlorophenol	12.998	196	38556	19.317	ng/ul	93
43) 1,1'-Biphenyl	13.321	154	137690	19.134	ng/ul	97
44) 2-Chloronaphthalene	13.368	162	110031	19.006	ng/ul	97
45) 2-Nitroaniline	13.621	65	37300	19.756	ng/ul	95
47) Dimethylphthalate	13.957	163	148112	18.620	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	27251	18.236	ng/ul	96
50) Acenaphthylene	14.216	152	186775	19.076	ng/ul	99
51) 3-Nitroaniline	14.451	138	21491	17.587	ng/ul	97
52) Acenaphthene	14.551	153	126390	19.087	ng/ul	98
53) 2,4-Dinitrophenol	14.663	184	10911	14.684	ng/ul	89
55) 4-Nitrophenol	14.757	109	22668	15.612	ng/ul	92
56) Dibenzofuran	14.886	168	173574	18.886	ng/ul	96
57) 2,4-Dinitrotoluene	14.892	165	39983	18.225	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.110	232	38271	18.471	ng/ul#	95
59) Diethylphthalate	15.304	149	151924	18.214	ng/ul	99
61) Fluorene	15.533	166	145819	18.688	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.527	204	78668	18.707	ng/ul	98
63) 4-Nitroaniline	15.621	138	20116	18.057	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.639	198	24004	16.221	ng/ul#	88
67) N-Nitrosodiphenylamine	15.757	169	112495	18.691	ng/ul	97
68) 4-Bromophenyl-phenylether	16.427	248	47163	18.464	ng/ul	89
69) Hexachlorobenzene	16.504	284	58388	18.699	ng/ul	99
70) Atrazine	16.704	200	42210	18.207	ng/ul	97
71) Pentachlorophenol	16.874	266	30428	16.922	ng/ul	96
72) Phenanthrene	17.280	178	226179	18.867	ng/ul	96
74) Anthracene	17.374	178	223494	18.534	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.274	216	66828	19.695	ng/uL	98
76) Pentachlorobenzene	14.780	250	68867	19.343	ng/uL	98
77) Carbazole	17.668	167	184852	18.565	ng/ul	98
78) Di-n-butylphthalate	18.180	149	254570	17.484	ng/ul	98
80) Fluoranthene	19.298	202	281086	18.215	ng/ul	100
82) Pyrene	19.662	202	302875	18.511	ng/ul	97
83) Butylbenzylphthalate	20.544	149	119257	17.064	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.356	252	91147	17.231	ng/ul	97
85) Benzo(a)anthracene	21.403	228	302162	18.624	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.291	149	175069	16.511	ng/ul	100
87) Chrysene	21.456	228	290380	18.455	ng/ul	100
89) Di-n-octyl phthalate	22.197	149	308473	16.554	ng/ul	100
90) Benzo(b)fluoranthene	23.056	252	301838m	19.173	ng/ul	
91) Benzo(k)fluoranthene	23.103	252	322217	19.227	ng/ul	98
93) Benzo(a)pyrene	23.680	252	291697	19.015	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.250	276	369799	19.397	ng/ul	99
95) Dibenzo(a,h)anthracene	26.262	278	304741	19.280	ng/ul	98
96) Benzo(g,h,i)perylene	27.021	276	293219	19.369	ng/ul	99

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

Instrument :

BNA_M

ClientSampleId :

SSTD020142

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/16/2023

Supervised By :mohammad ahmed 11/19/2023

