

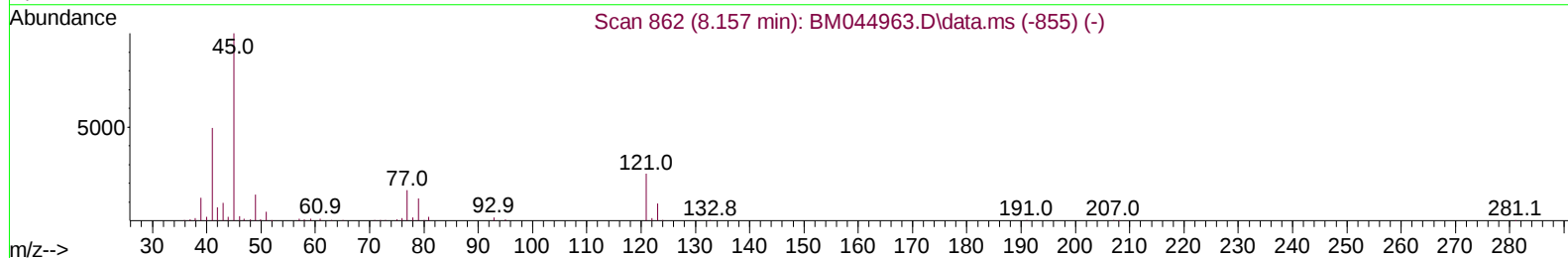
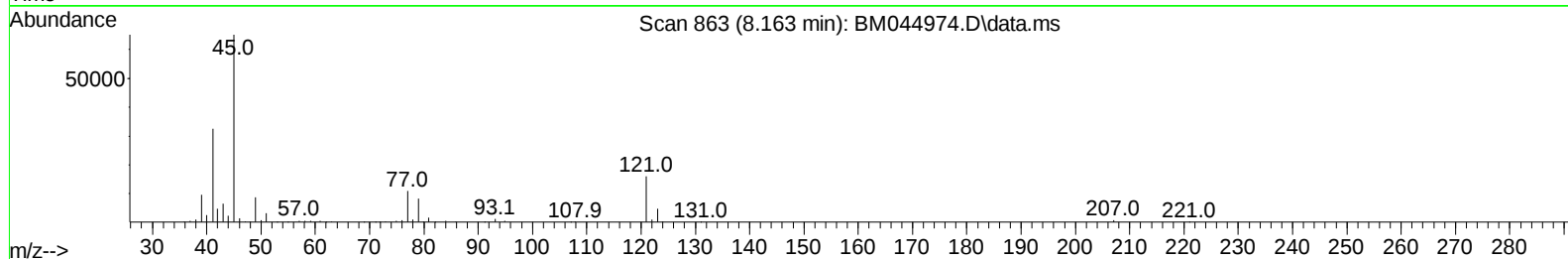
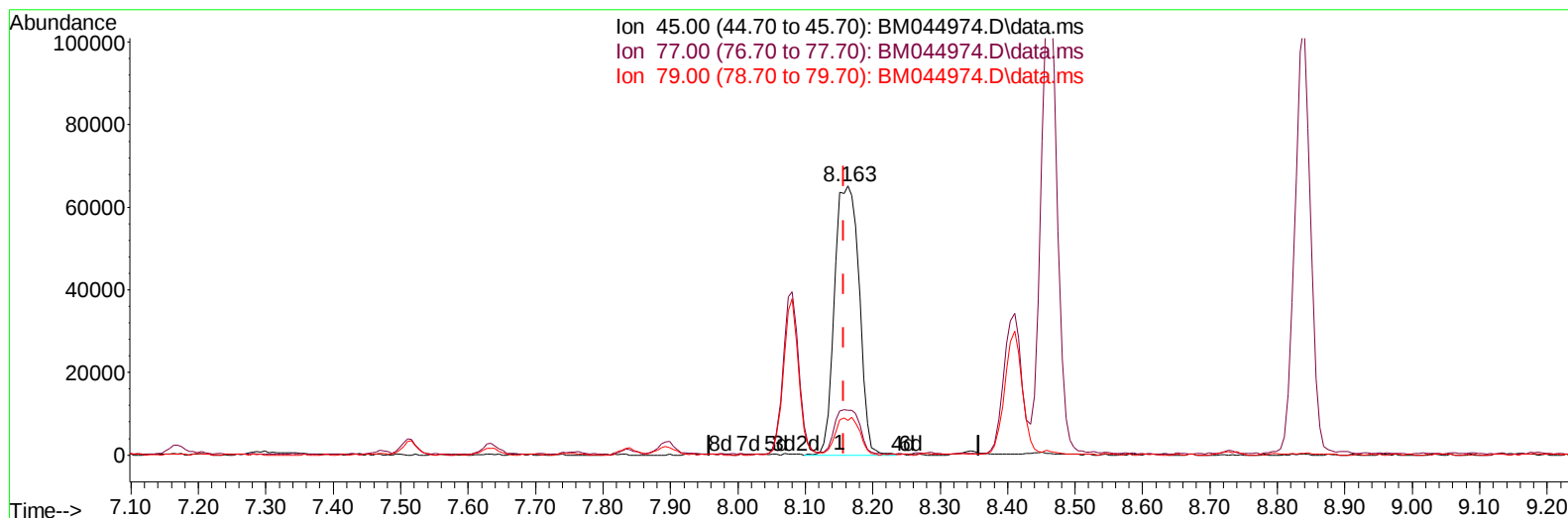
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
 Data File : BM044974.D
 Acq On : 06 Apr 2024 17:16
 Operator : MA/JU
 Sample : P2018-09MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BH5F0MSD

Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 08 01:45:36 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/09/2024
 Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

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

8.163min (+ 0.006) 22.80 ng/ul m

response 164859

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	16.70	16.73
79.00	12.60	12.85
0.00	0.00	0.00

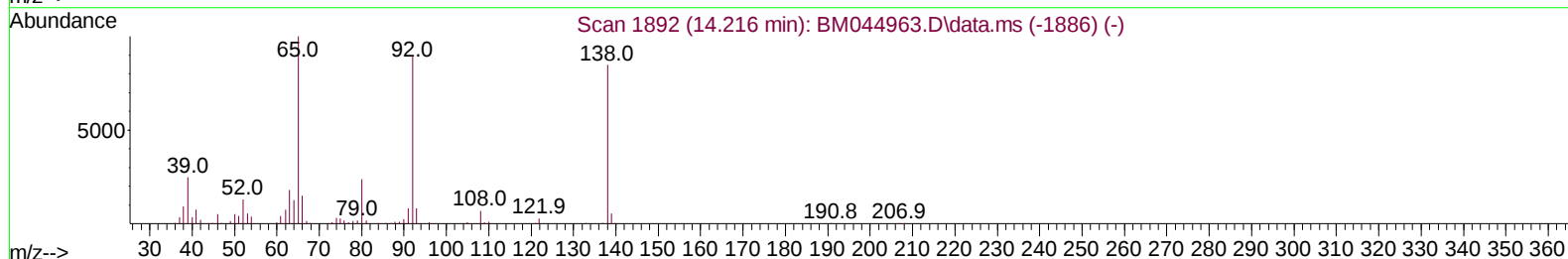
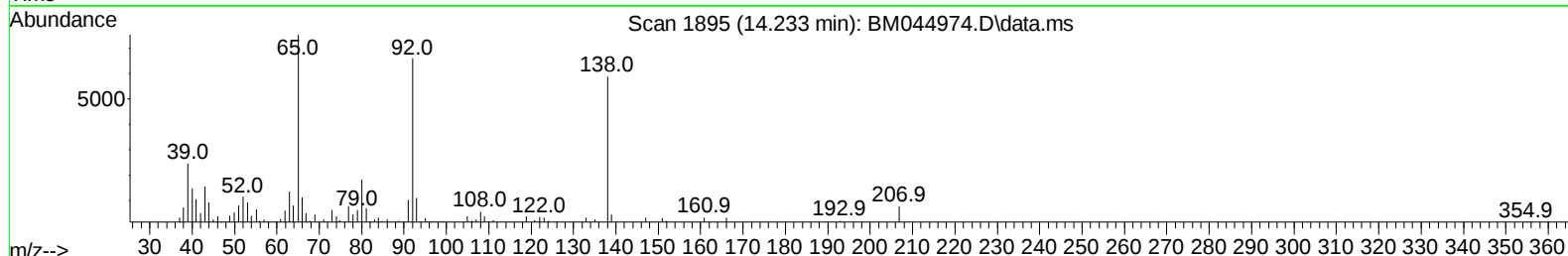
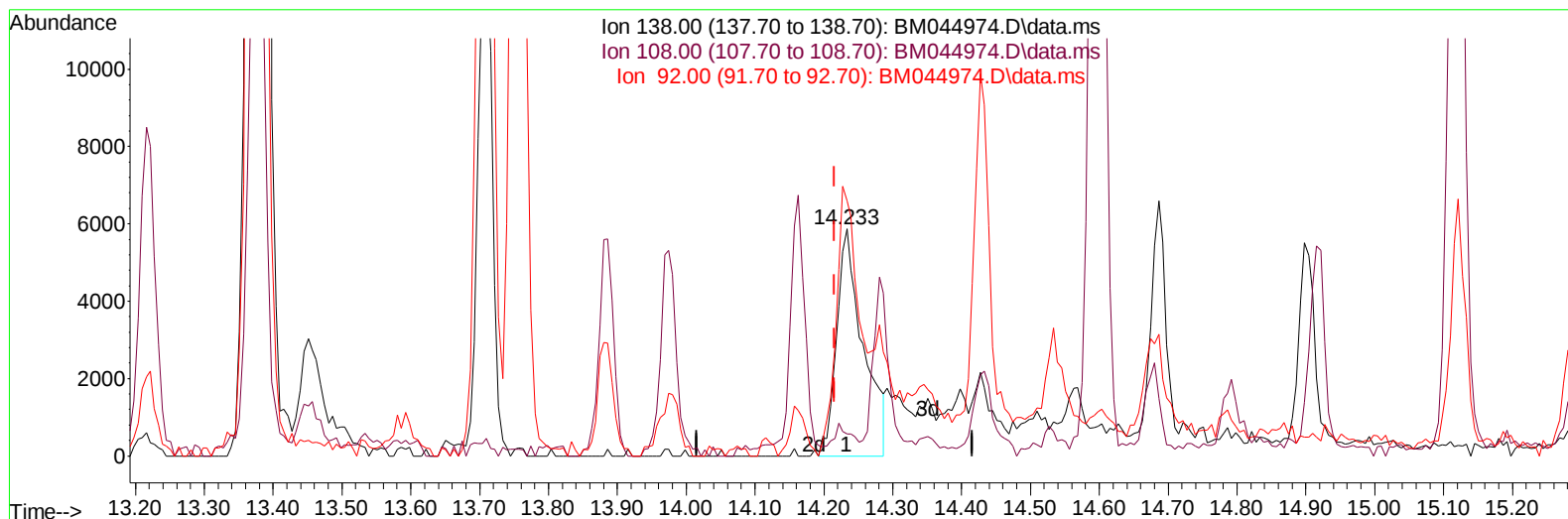
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
 Data File : BM044974.D
 Acq On : 06 Apr 2024 17:16
 Operator : MA/JU
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Reviewed By :Yogesh Patel 04/09/2024
 Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(51) 3-Nitroaniline

14.233min (+ 0.018) 4.22 ng/ul

response 15666

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	8.10	9.54
92.00	101.70	112.44
0.00	0.00	0.00

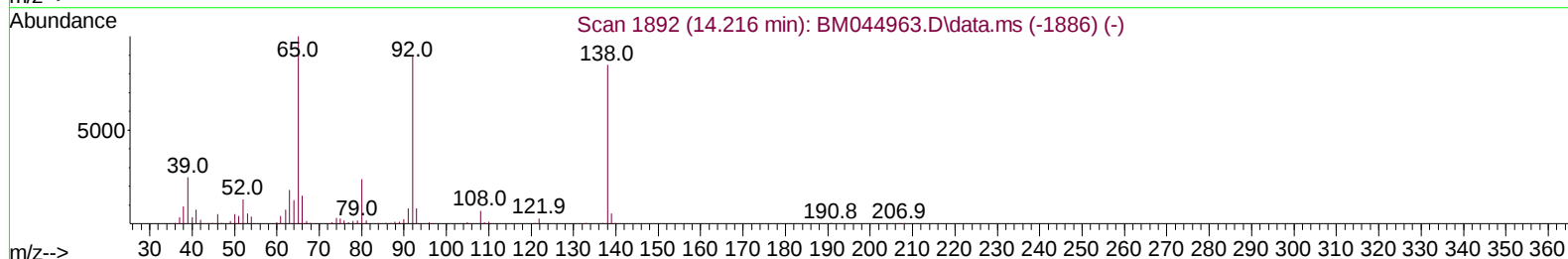
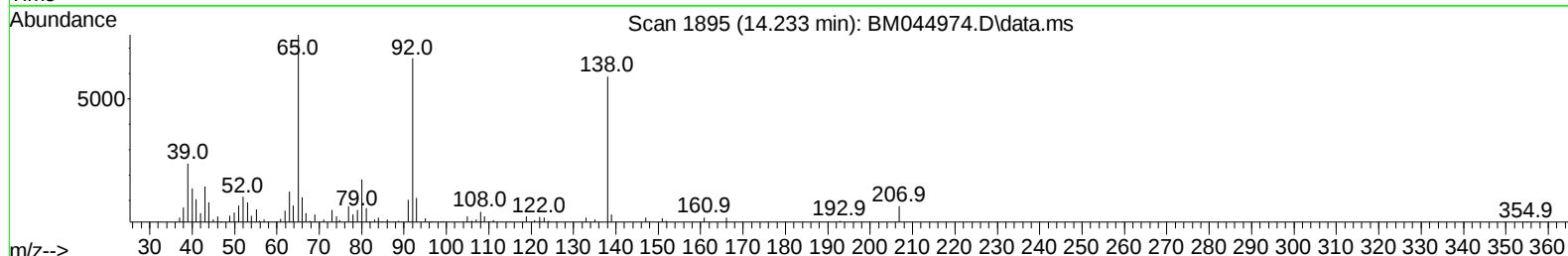
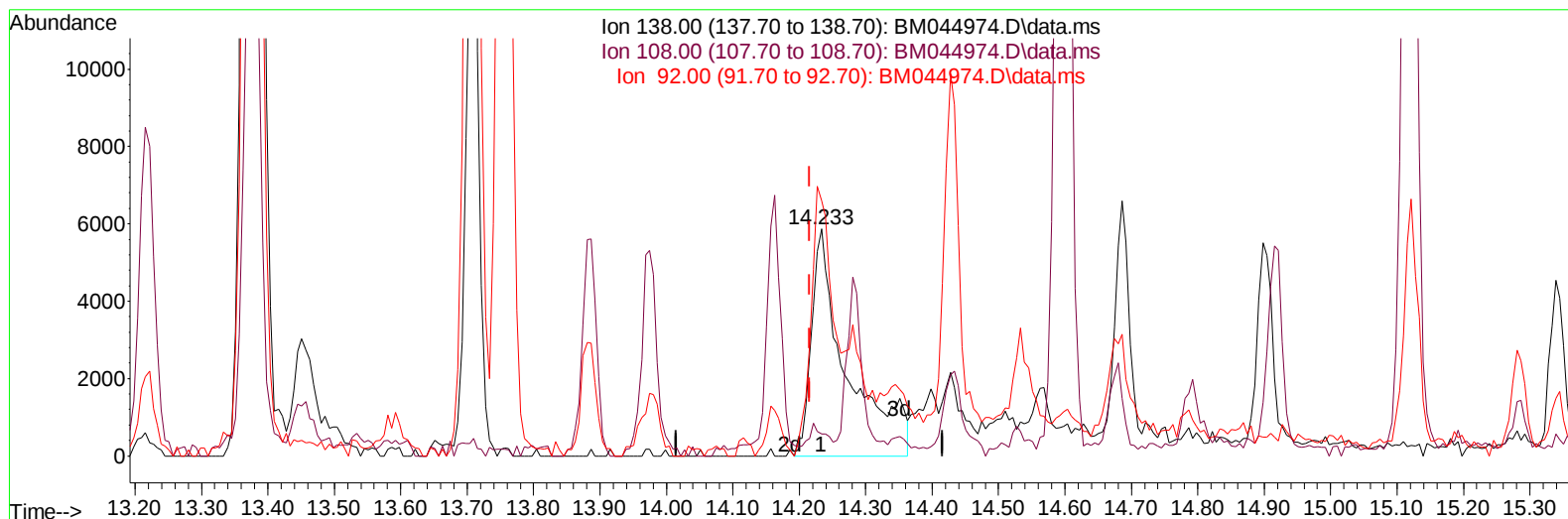
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044974.D
Acq On : 06 Apr 2024 17:16
Operator : MA/JU
Sample : P2018-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
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QLast Update : Mon Apr 08 01:45:36 2024
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Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(51) 3-Nitroaniline

14.233min (+ 0.018) 5.84 ng/ul m

response 21689

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	8.10	9.54
92.00	101.70	112.44
0.00	0.00	0.00

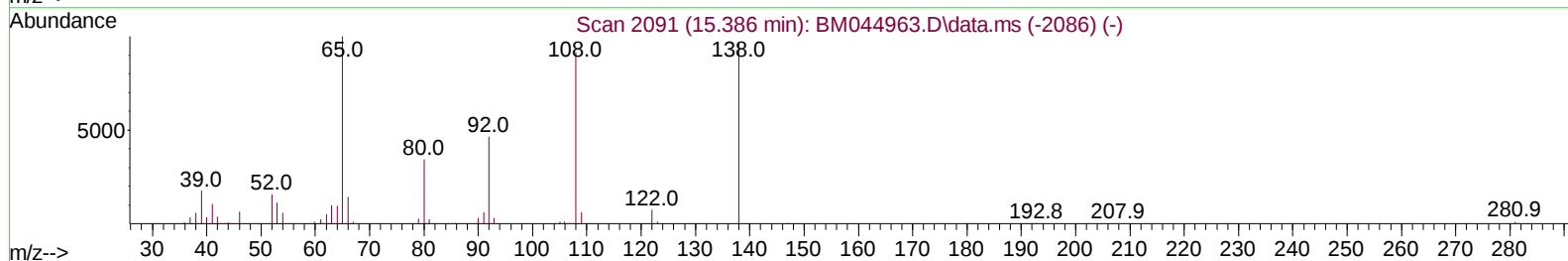
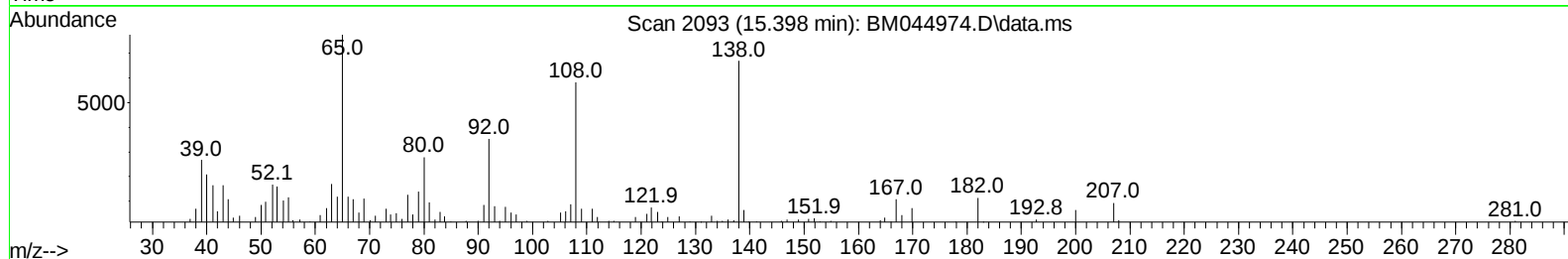
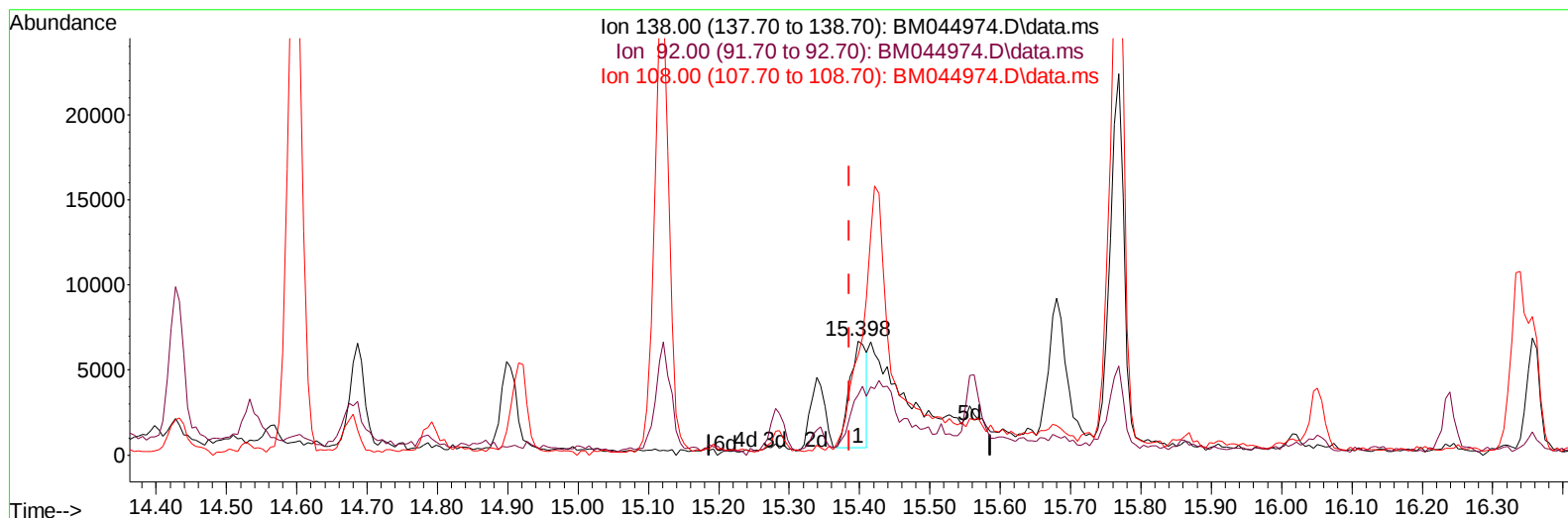
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044974.D
Acq On : 06 Apr 2024 17:16
Operator : MA/JU
Sample : P2018-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
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QLast Update : Mon Apr 08 01:45:36 2024
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Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(63) 4-Nitroaniline

15.398min (+ 0.012) 3.10 ng/ul

response 10449

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.70	52.59
108.00	83.00	87.03
0.00	0.00	0.00

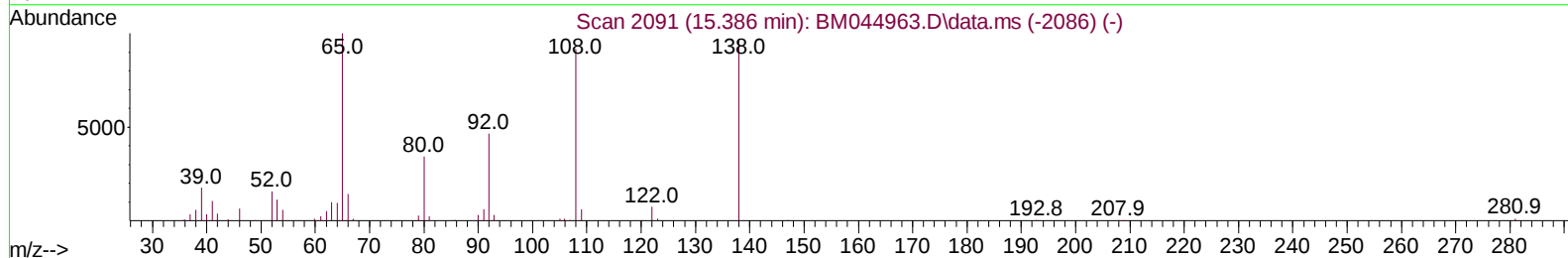
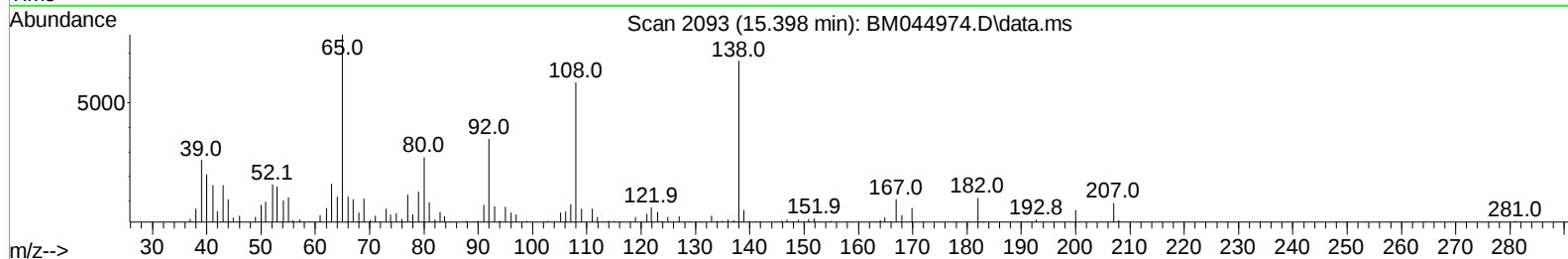
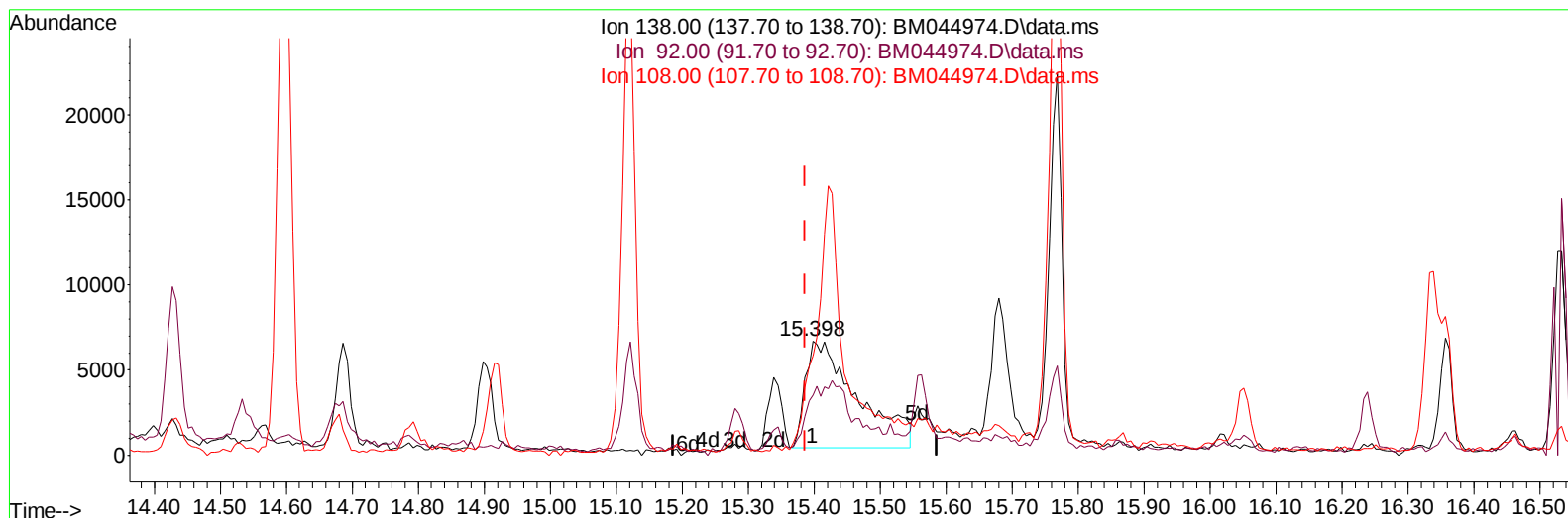
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044974.D
Acq On : 06 Apr 2024 17:16
Operator : MA/JU
Sample : P2018-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BH5F0MSD

Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 08 01:45:36 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(63) 4-Nitroaniline

15.398min (+ 0.012) 10.15 ng/ul m

response 34265

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	49.70	52.59
108.00	83.00	87.03
0.00	0.00	0.00

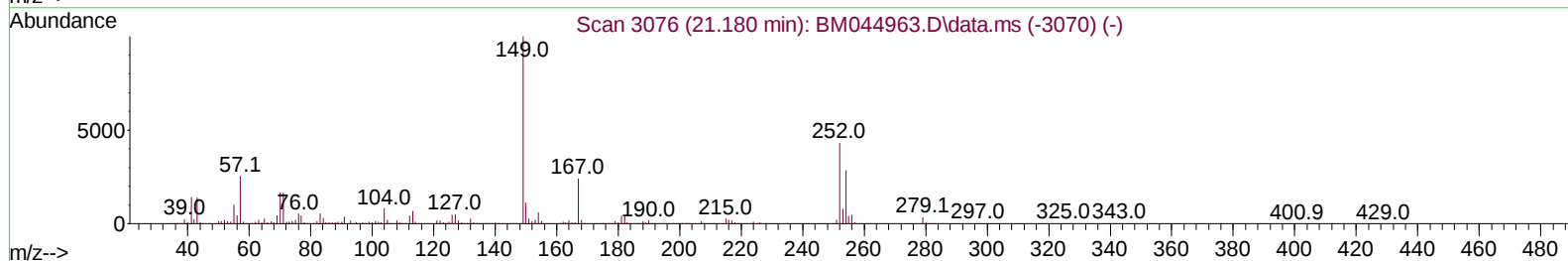
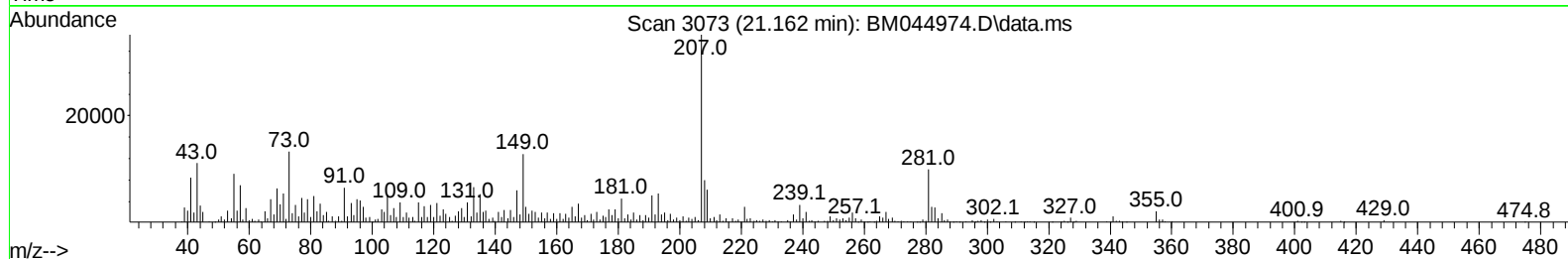
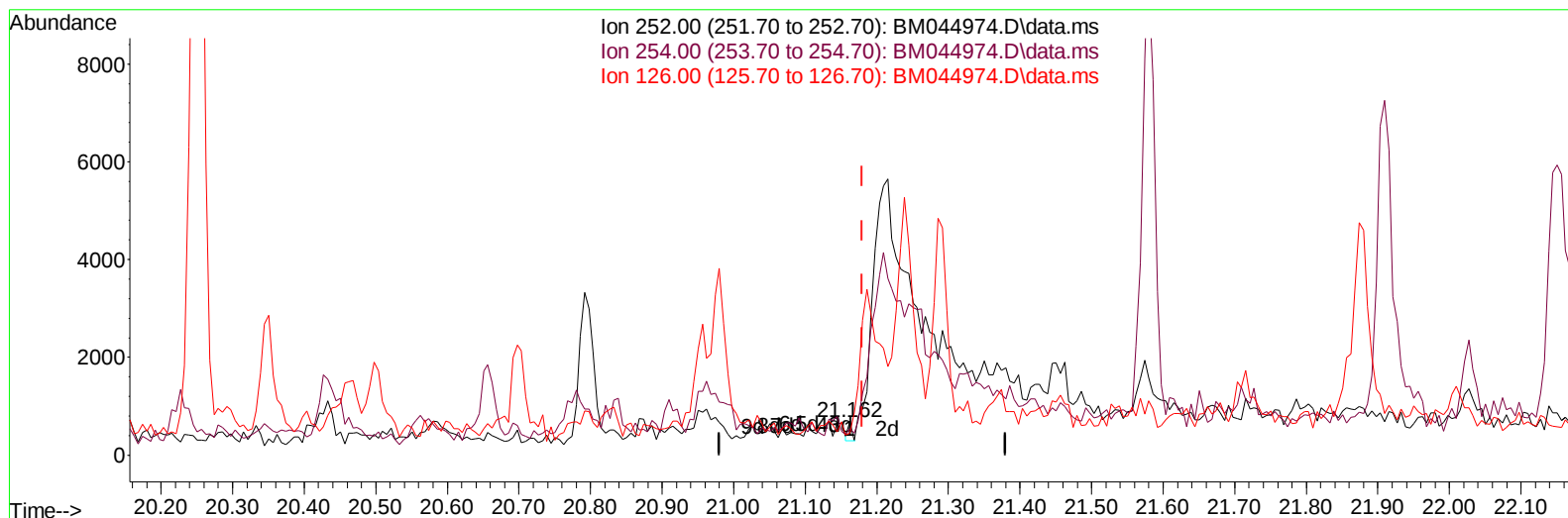
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044974.D
Acq On : 06 Apr 2024 17:16
Operator : MA/JU
Sample : P2018-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BH5F0MSD

Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
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Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(84) 3,3'-Dichlorobenzidine

21.162min (-0.018) 0.01 ng/u1

response 138

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	67.40	78.17
126.00	11.20	65.07#
0.00	0.00	0.00

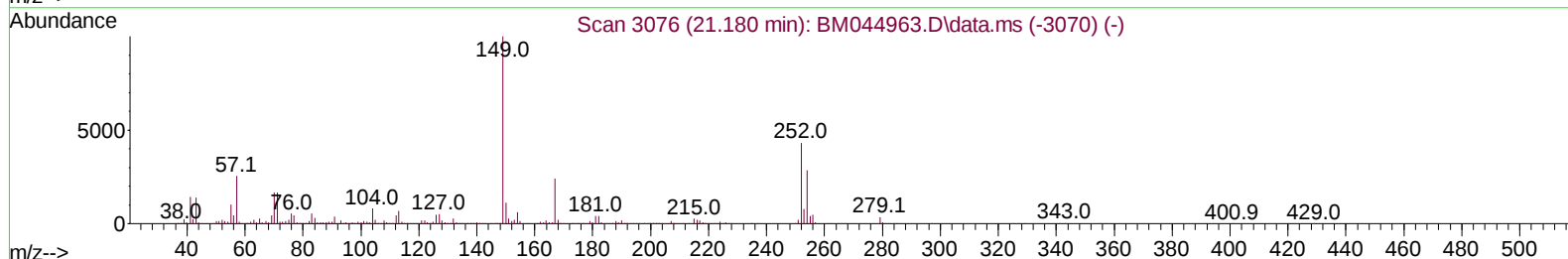
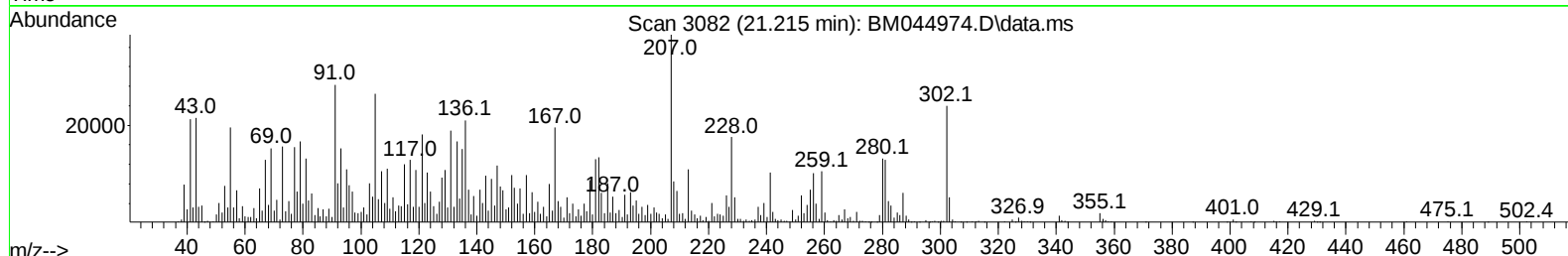
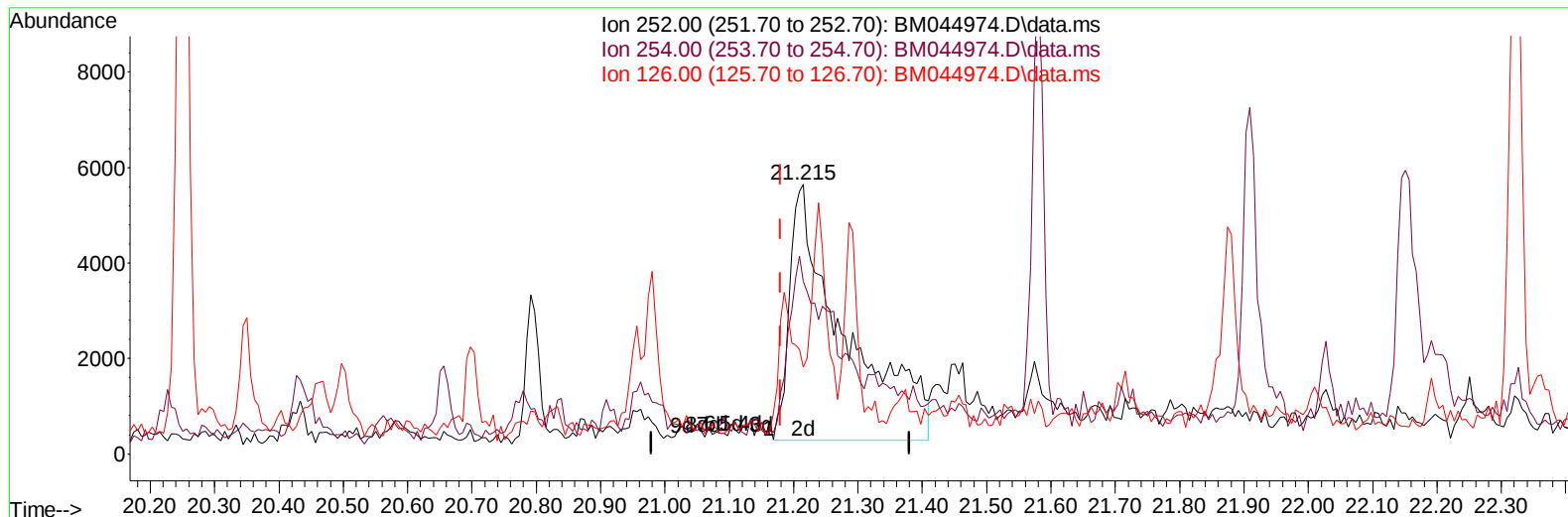
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044974.D
Acq On : 06 Apr 2024 17:16
Operator : MA/JU
Sample : P2018-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Apr 08 01:52:04 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 08 01:45:36 2024
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Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024



TIC: BM044974.D\data.ms

(84) 3,3'-Dichlorobenzidine

21.215min (+ 0.035) 2.93 ng/ul m

response 31593

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	67.40	64.07
126.00	11.20	32.16#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
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 Acq On : 06 Apr 2024 17:16
 Operator : MA/JU
 Sample : P2018-09MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BH5F0MSD

Manual IntegrationsAPPROVED

Quant Time: Apr 08 02:36:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 08 01:45:36 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/09/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	88484	20.000	ng/ul	0.00
20) Naphthalene-d8	10.410	136	381985	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.280	164	238643	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.045	188	509856	20.000	ng/ul	0.00
79) Chrysene-d12	21.256	240	484965	20.000	ng/ul	0.00
88) Perylene-d12	23.480	264	564818	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	11614	4.901	ng/uL	0.00
4) Pyridine-d5	3.610	84	100377	15.577	ng/ul	0.00
7) Phenol-d5	6.816	99	167103	22.277	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.987	67	100295	22.442	ng/ul	0.00
11) 2-Chlorophenol-d4	7.169	132	139344	23.711	ng/ul	0.00
15) 4-Methylphenol-d8	8.345	113	138705	23.623	ng/ul	0.00
21) Nitrobenzene-d5	8.792	128	69743	23.770	ng/ul	0.00
24) 2-Nitrophenol-d4	9.504	143	79280	25.599	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.039	165	142999	25.184	ng/ul	0.00
31) 4-Chloroaniline-d4	10.569	131	108983	12.055	ng/ul	0.00
46) Dimethylphthalate-d6	13.710	166	408690	24.596	ng/ul	0.00
49) Acenaphthylene-d8	13.974	160	476911	24.295	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143	64525	18.607	ng/ul	0.00
60) Fluorene-d10	15.286	176	356225	24.047	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.427	200	64462	21.323	ng/ul	0.00
73) Anthracene-d10	17.139	188	563179	24.554	ng/ul	0.00
81) Pyrene-d10	19.451	212	666466	27.909	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.339	264	693327	25.163	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	18629	7.528	ng/uL#	85
5) Pyridine	3.628	79	128608	18.836	ng/ul	95
6) Benzaldehyde	6.798	77	103659	29.810	ng/ul	99
8) Phenol	6.840	94	205285	26.427	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.081	93	171197	28.239	ng/ul	93
12) 2-Chlorophenol	7.198	128	151245	24.526	ng/ul	98
13) 2-Methylphenol	8.081	108	140829	24.562	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.163	45	164859m	22.800	ng/ul	
16) Acetophenone	8.463	105	242651	25.419	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.445	70	109582	24.313	ng/ul#	97
18) 4-Methylphenol	8.410	108	158601	25.664	ng/ul	100
19) Hexachloroethane	8.687	117	63359	23.360	ng/ul	98
22) Nitrobenzene	8.840	77	168804	23.449	ng/ul	99
23) Isophorone	9.357	82	318238	24.061	ng/ul	99
25) 2-Nitrophenol	9.539	139	86275	25.099	ng/ul	92
26) 2,4-Dimethylphenol	9.598	107	167137	25.221	ng/ul	100
27) Bis(2-Chloroethoxy)met...	9.845	93	185806	23.697	ng/ul	100
29) 2,4-Dichlorophenol	10.063	162	147627	25.734	ng/ul	96
30) Naphthalene	10.457	128	457576	22.629	ng/ul	99
32) 4-Chloroaniline	10.592	127	117524	13.360	ng/ul	98
33) Hexachlorobutadiene	10.722	225	79337	22.243	ng/ul	90
34) Caprolactam	11.392	113	49831	25.729	ng/ul	98
35) 4-Chloro-3-methylphenol	11.716	107	154063	27.015	ng/ul	98

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 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BH5F0MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/09/2024
 Supervised By :mohammad ahmed 04/09/2024

Quant Time: Apr 08 02:36:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 08 01:45:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.080	142	310190	23.494	ng/ul	99
37) 1-Methylnaphthalene	12.304	142	318226	23.818	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.451	216	152437	23.357	ng/ul	99
40) Hexachlorocyclopentadiene	12.416	237	68914	17.443	ng/ul	99
41) 2,4,6-Trichlorophenol	12.704	196	117274	27.546	ng/ul	98
42) 2,4,5-Trichlorophenol	12.780	196	126332	26.931	ng/ul	97
43) 1,1'-Biphenyl	13.110	154	405469	24.061	ng/ul	98
44) 2-Chloronaphthalene	13.151	162	327677	23.934	ng/ul	99
45) 2-Nitroaniline	13.375	65	102303	27.069	ng/ul	98
47) Dimethylphthalate	13.757	163	408979	23.548	ng/ul	99
48) 2,6-Dinitrotoluene	13.886	165	85693	25.174	ng/ul	96
50) Acenaphthylene	14.004	152	543480	23.706	ng/ul	100
51) 3-Nitroaniline	14.233	138	21689m	5.841	ng/ul	
52) Acenaphthene	14.345	153	359331	23.488	ng/ul	100
53) 2,4-Dinitrophenol	14.427	184	47484	23.462	ng/ul	94
55) 4-Nitrophenol	14.539	109	72256	23.692	ng/ul	92
56) Dibenzofuran	14.686	168	500113	23.890	ng/ul	97
57) 2,4-Dinitrotoluene	14.680	165	130327	25.577	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.916	232	107466	26.768	ng/ul	99
59) Diethylphthalate	15.127	149	451203	25.465	ng/ul	99
61) Fluorene	15.339	166	419386	23.769	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.339	204	192246	23.246	ng/ul	95
63) 4-Nitroaniline	15.398	138	34265m	10.150	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.439	198	72886	22.513	ng/ul	100
67) N-Nitrosodiphenylamine	15.563	169	342343	24.890	ng/ul	99
68) 4-Bromophenyl-phenylether	16.239	248	121886	24.546	ng/ul	95
69) Hexachlorobenzene	16.339	284	150267	23.263	ng/ul	97
70) Atrazine	16.533	200	125600	24.826	ng/ul	99
71) Pentachlorophenol	16.692	266	101739	25.929	ng/ul	97
72) Phenanthrene	17.086	178	662922	24.161	ng/ul	99
74) Anthracene	17.174	178	662170	23.593	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.069	216	158487	24.663	ng/uL	98
76) Pentachlorobenzene	14.598	250	162870	23.821	ng/uL	98
77) Carbazole	17.457	167	631978	23.352	ng/ul	99
78) Di-n-butylphthalate	18.027	149	858546	28.131	ng/ul	99
80) Fluoranthene	19.109	202	824134	29.261	ng/ul	97
82) Pyrene	19.480	202	863665	28.416	ng/ul	99
83) Butylbenzylphthalate	20.403	149	431239	33.865	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.215	252	31593m	2.930	ng/ul	
85) Benzo(a)anthracene	21.239	228	837837	25.462	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.186	149	662158	33.266	ng/ul	100
87) Chrysene	21.292	228	784953	25.589	ng/ul	100
89) Di-n-octyl phthalate	22.068	149	1091882	30.725	ng/ul	100
90) Benzo(b)fluoranthene	22.815	252	857553	26.050	ng/ul	99
91) Benzo(k)fluoranthene	22.856	252	845294	25.511	ng/ul	100
93) Benzo(a)pyrene	23.380	252	717357	22.390	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.721	276	1032191	24.871	ng/ul	99
95) Dibenzo(a,h)anthracene	25.733	278	841240	24.244	ng/ul	97
96) Benzo(g,h,i)perylene	26.397	276	468235	14.301	ng/ul	98

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

Instrument :

BNA_M

ClientSampleId :

BH5F0MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/09/2024

Supervised By :mohammad ahmed 04/09/2024

Manual IntegrationsAPPROVED

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