

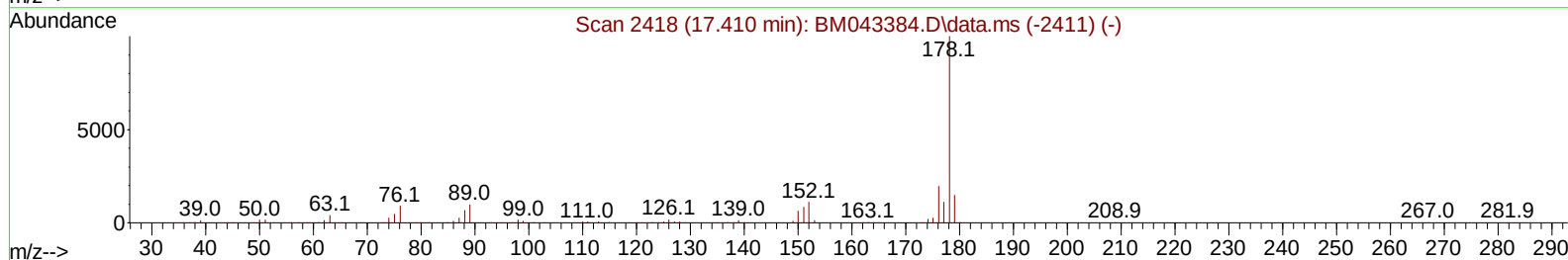
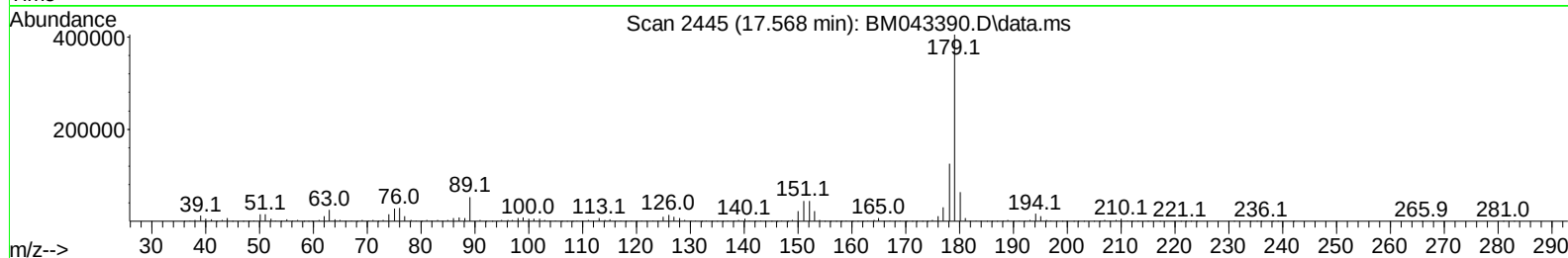
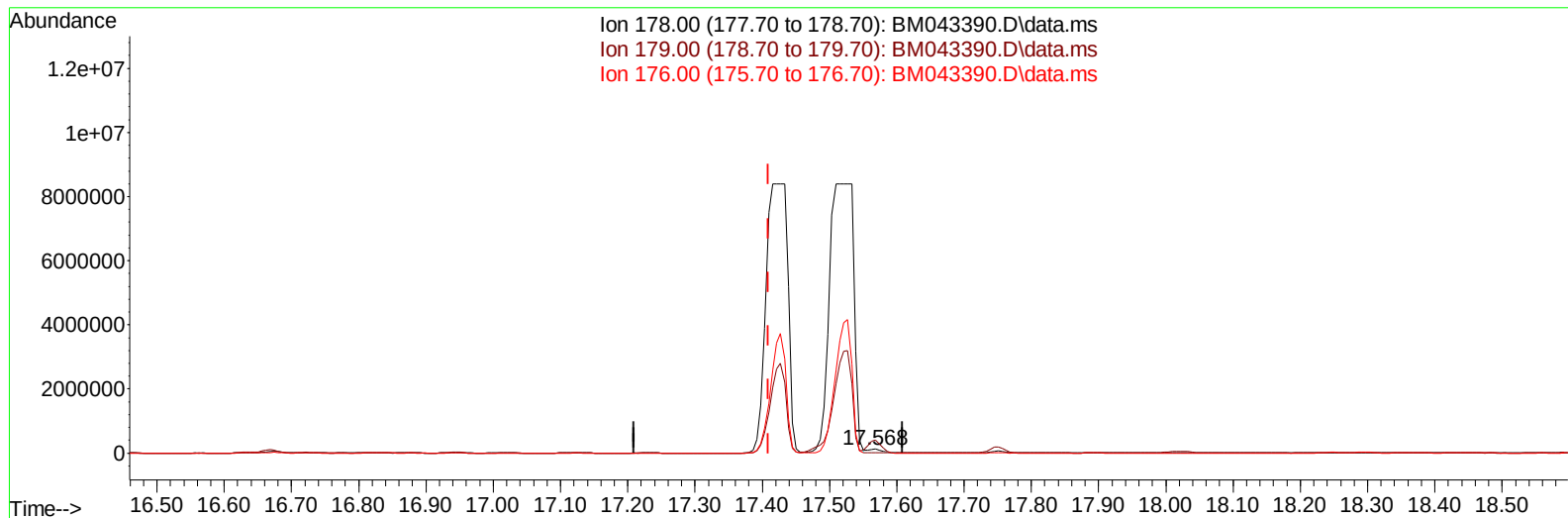
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
Data File : BM043390.D
Acq On : 18 Dec 2023 13:16
Operator : MA/JU
Sample : 05626-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 19 00:27:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 22:09:25 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(72) Phenanthrene

17.568min (+ 0.159) 1.46 ng/u1

response 150833

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	325.35#
176.00	19.40	8.46#
0.00	0.00	0.00

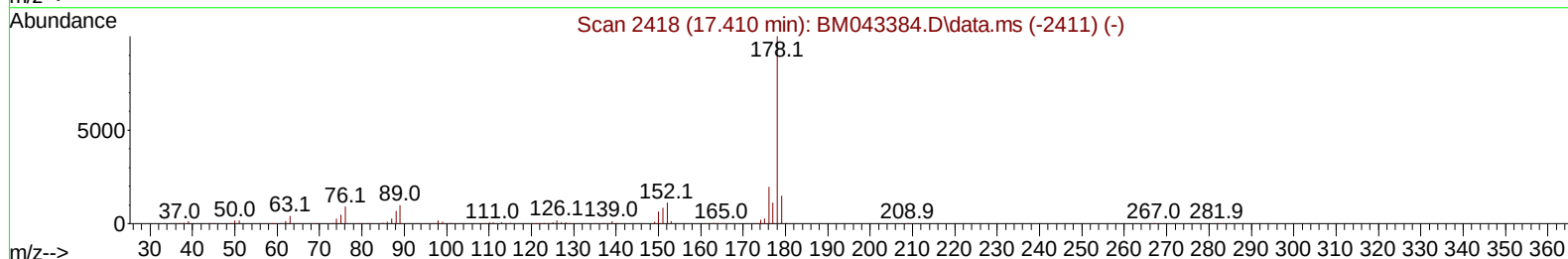
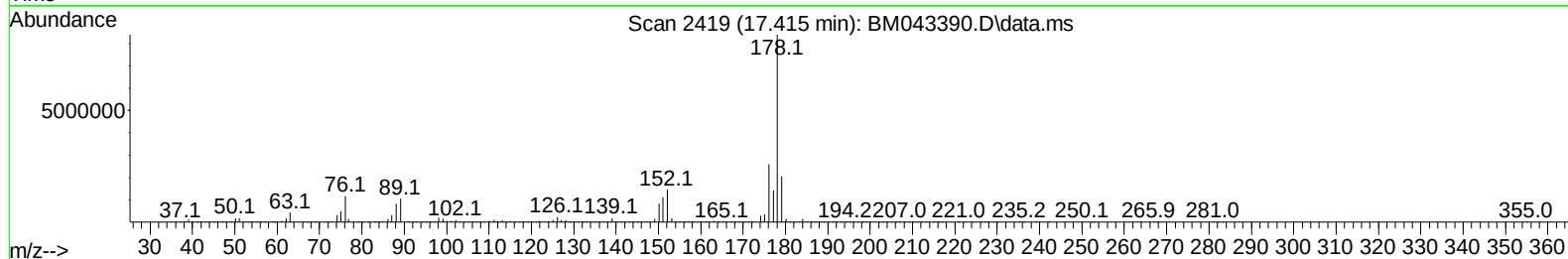
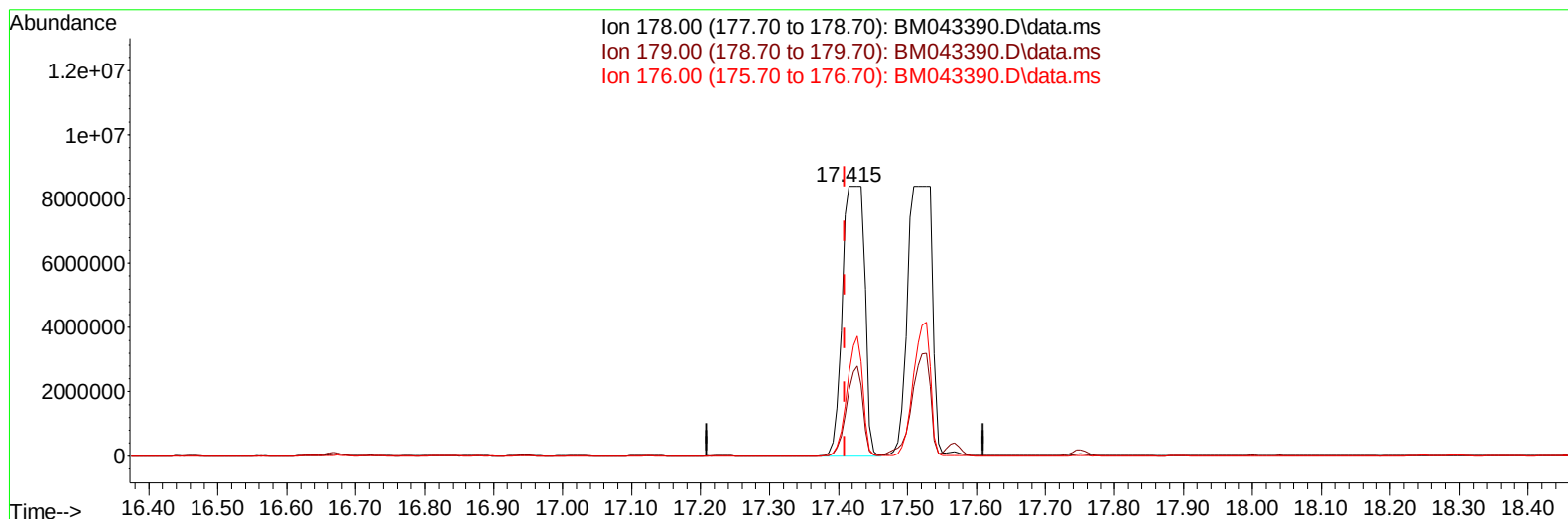
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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 Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(72) Phenanthrene

17.415min (+ 0.006) 181.50 ng/ul m

response 18792114

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	24.45#
176.00	19.40	30.85#
0.00	0.00	0.00

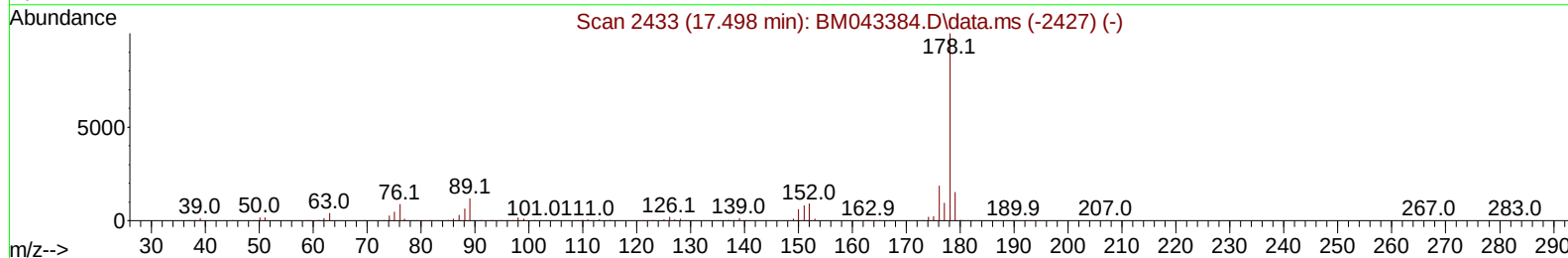
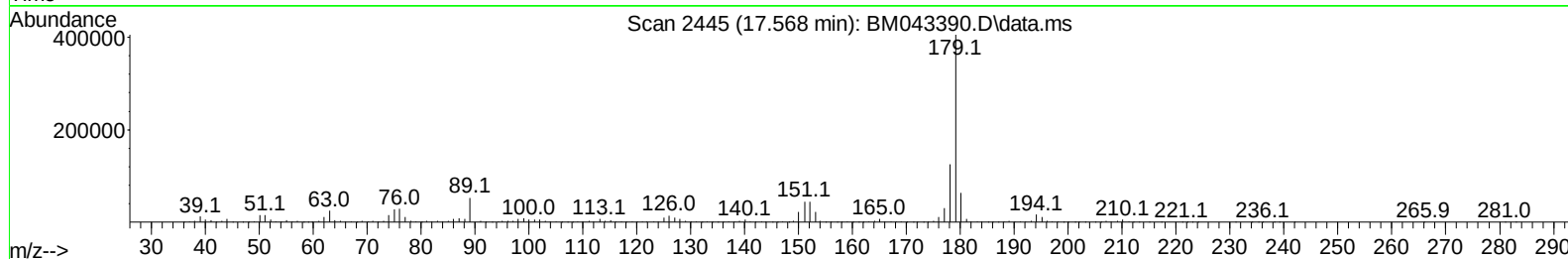
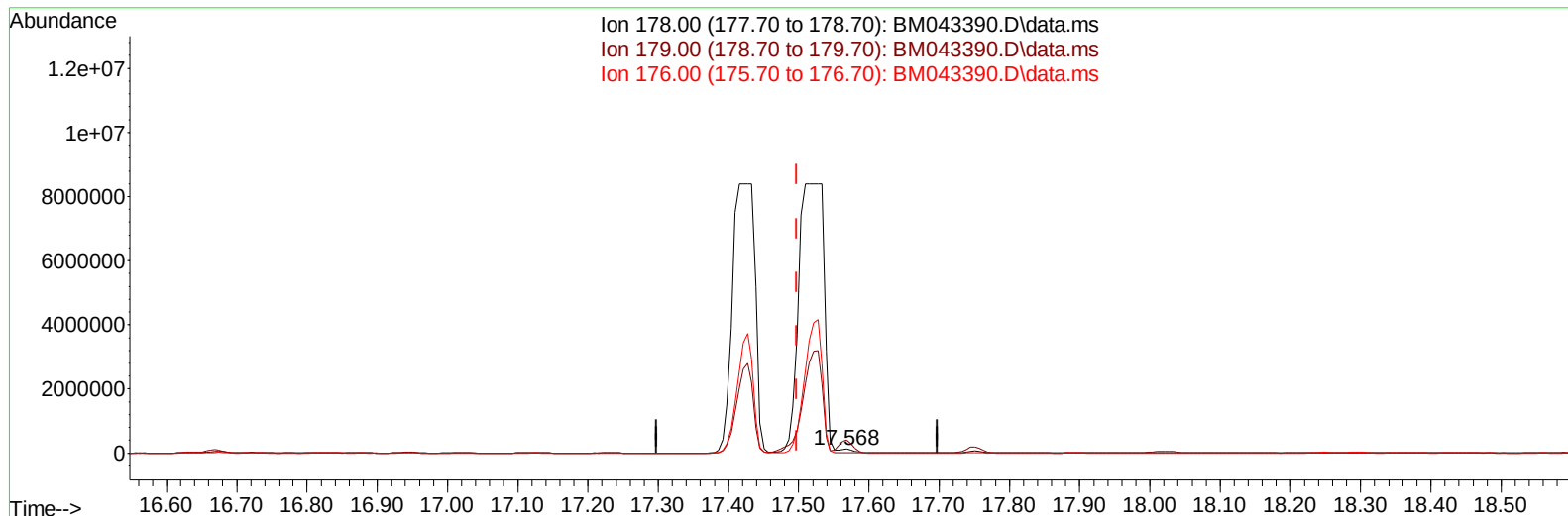
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TIC: BM043390.D\data.ms

(74) Anthracene

17.568min (+ 0.071) 1.44 ng/u1

response 150833

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	325.35#
176.00	19.00	8.46#
0.00	0.00	0.00

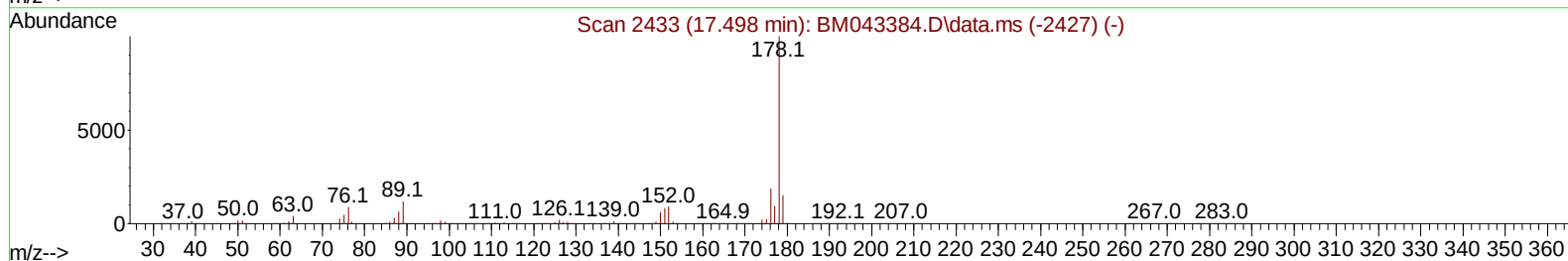
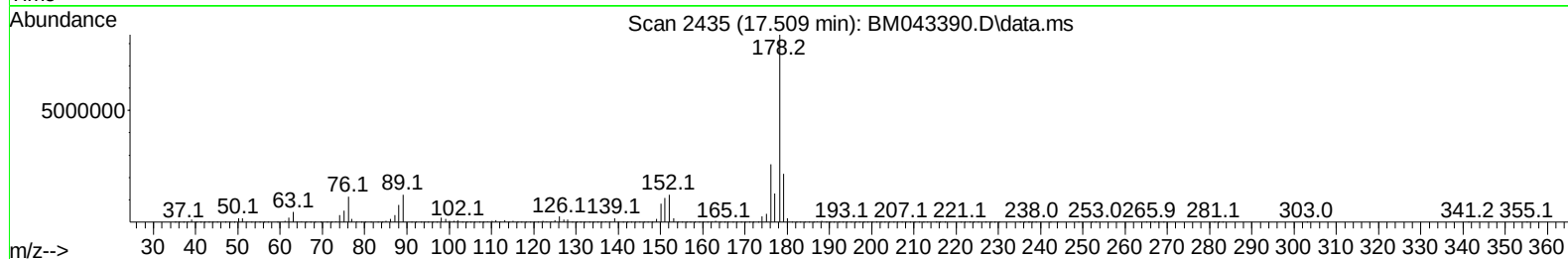
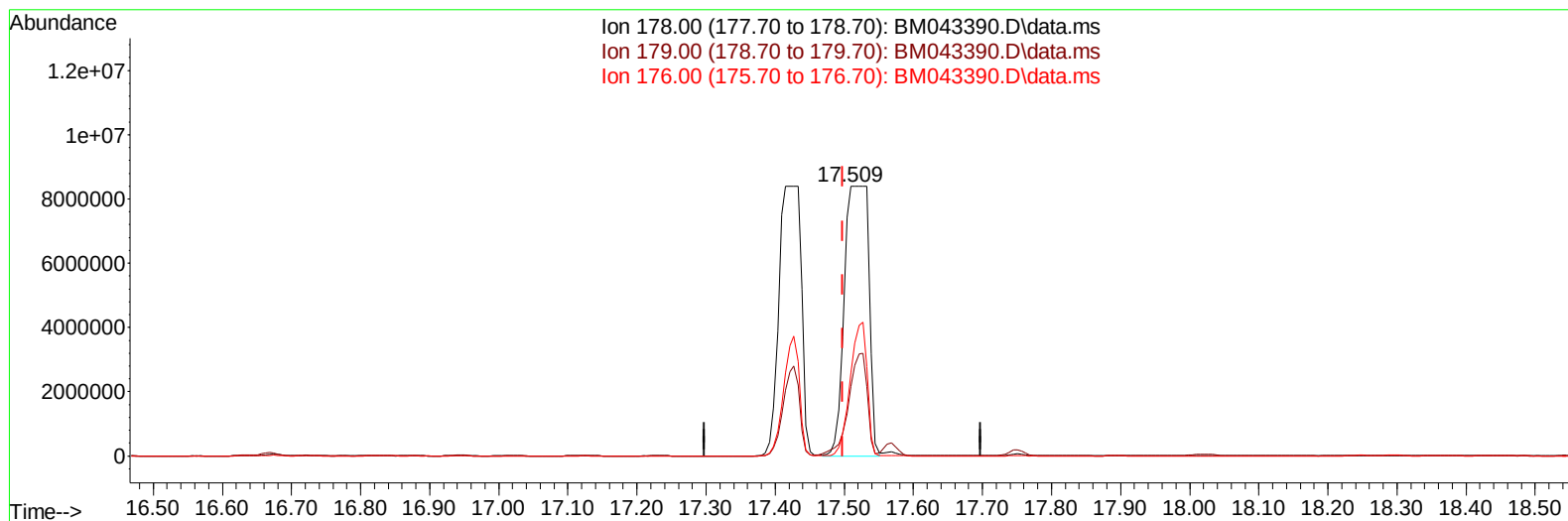
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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 Acq On : 18 Dec 2023 13:16
 Operator : MA/JU
 Sample : 05626-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(74) Anthracene

17.509min (+ 0.012) 198.54 ng/uL m

response 20745265

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	25.85#
176.00	19.00	30.89#
0.00	0.00	0.00

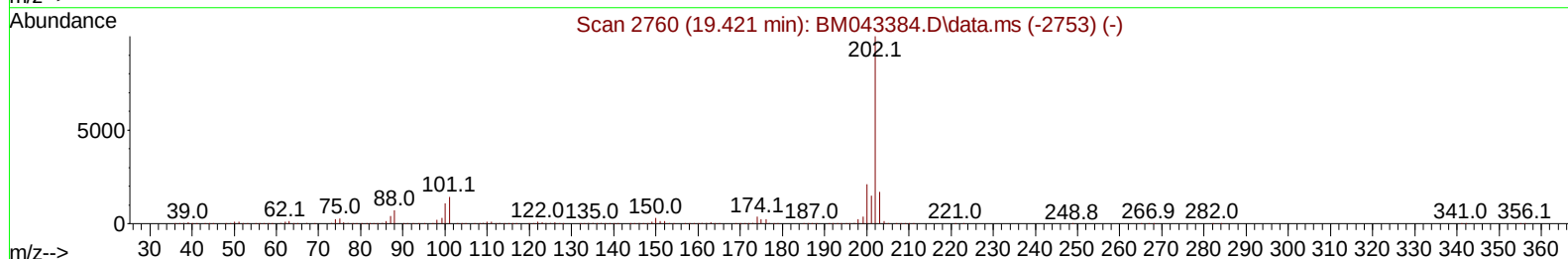
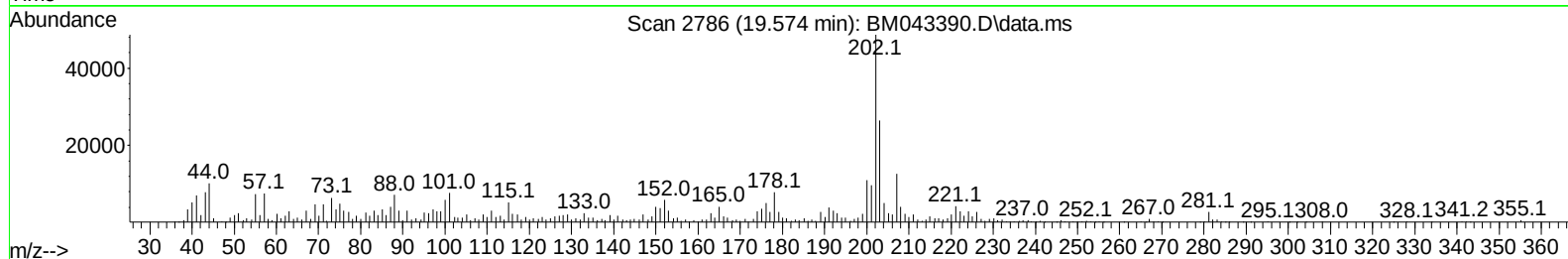
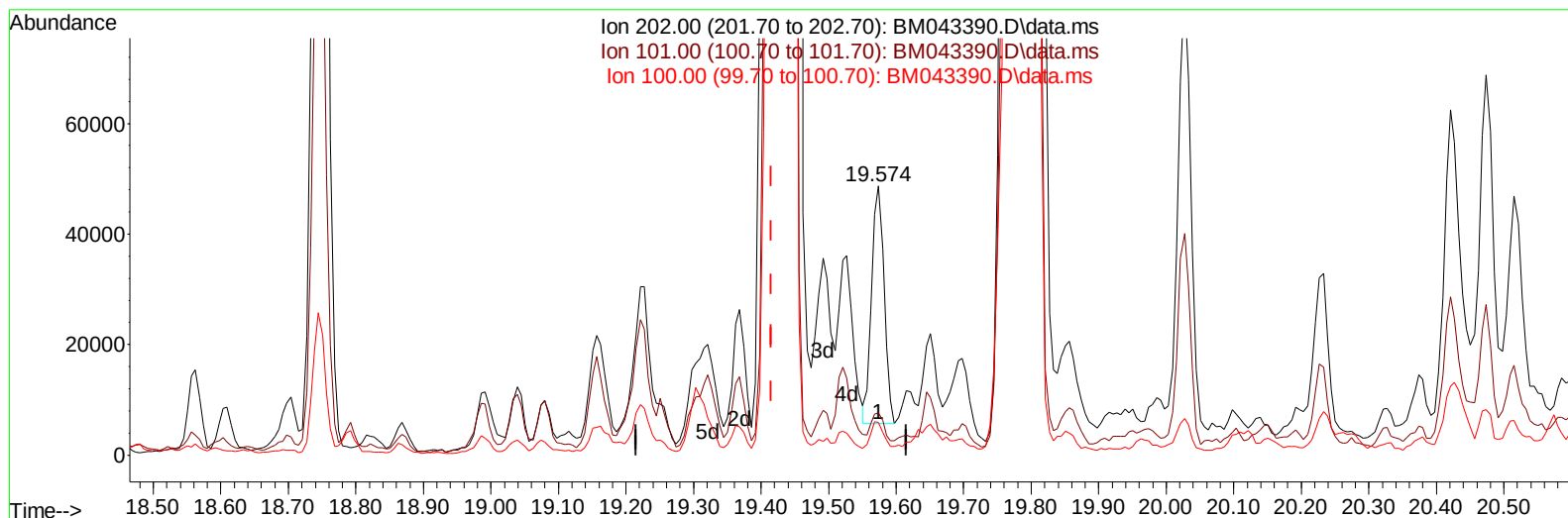
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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 Misc :
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Instrument :
 BNA_M
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TIC: BM043390.D\data.ms

(80) Fluoranthene

19.574min (+ 0.159) 0.49 ng/u1

response 55375

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.20	15.81
100.00	10.30	12.19
0.00	0.00	0.00

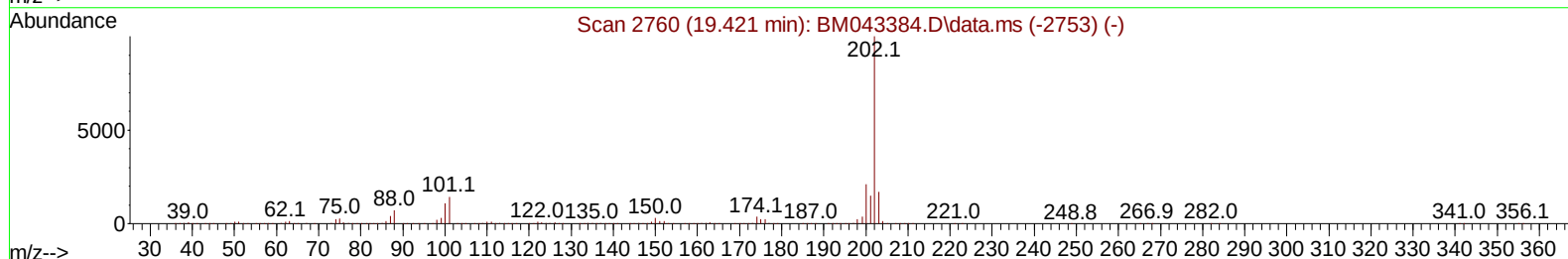
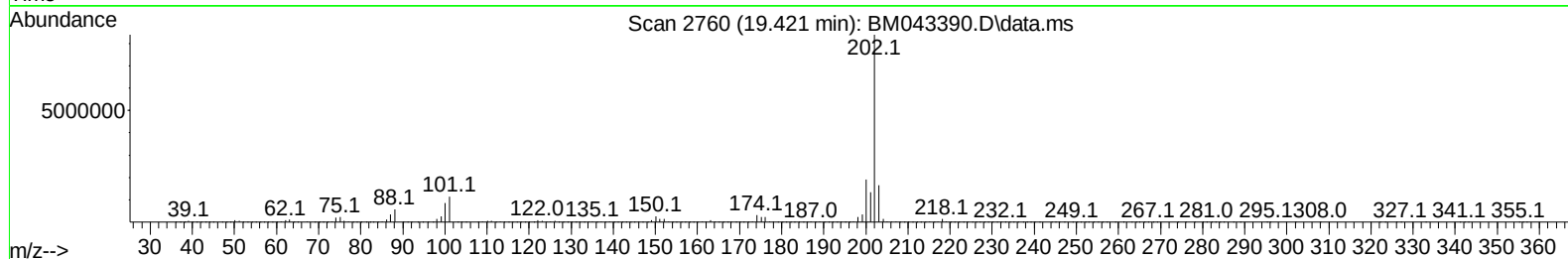
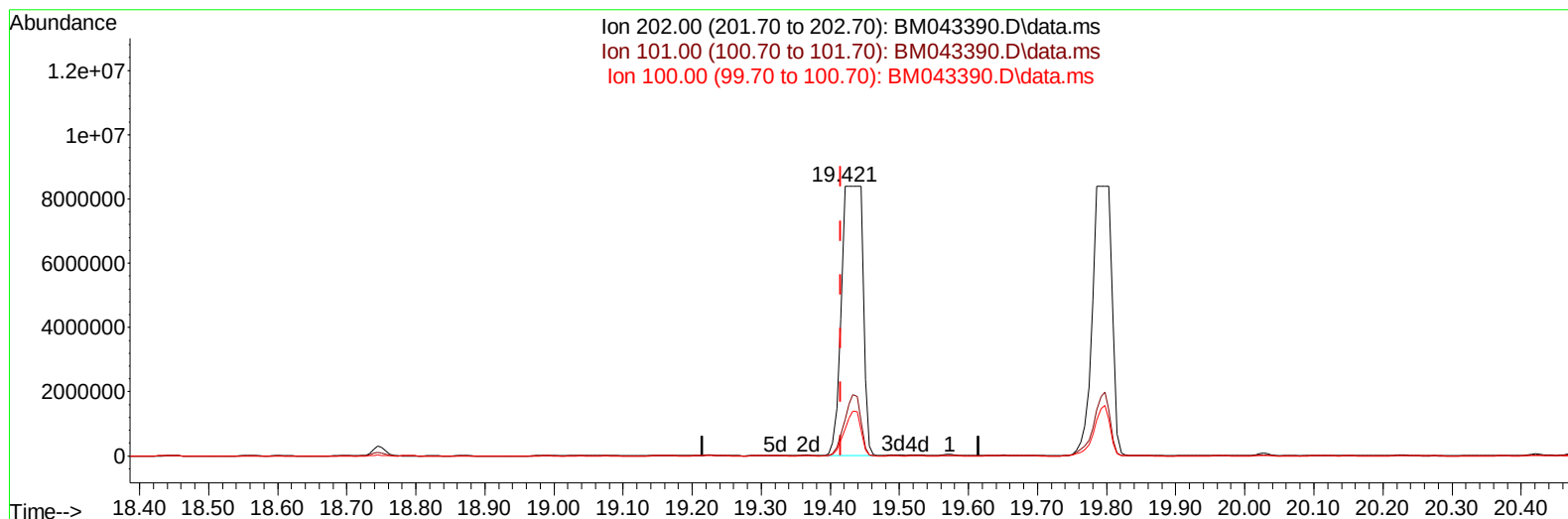
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043390.D
 Acq On : 18 Dec 2023 13:16
 Operator : MA/JU
 Sample : 05626-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(80) Fluoranthene

19.421min (+ 0.006) 159.62 ng/ul m

response 17964260

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.20	13.64
100.00	10.30	10.14
0.00	0.00	0.00

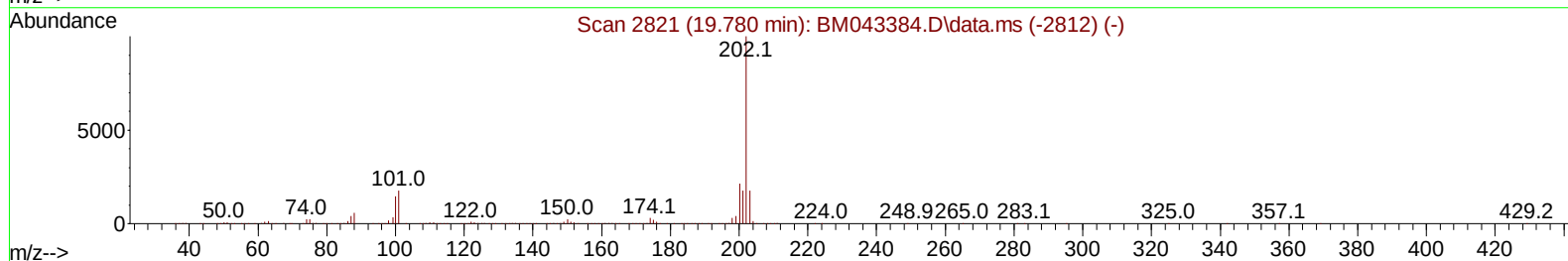
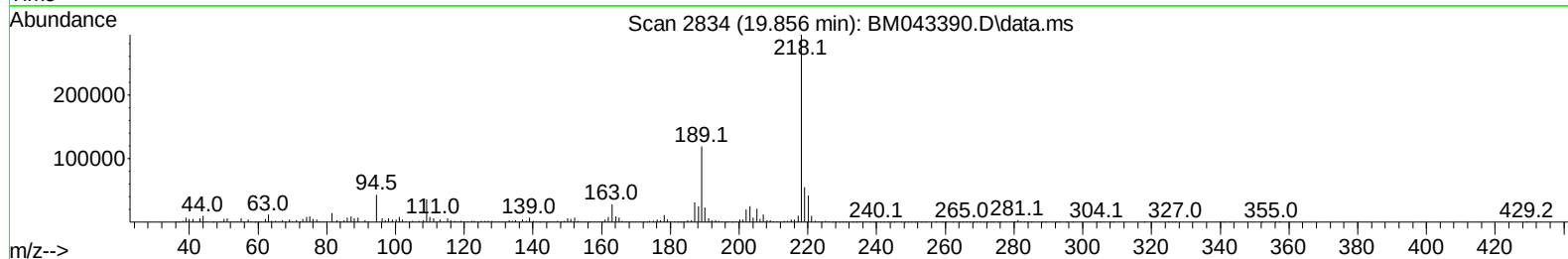
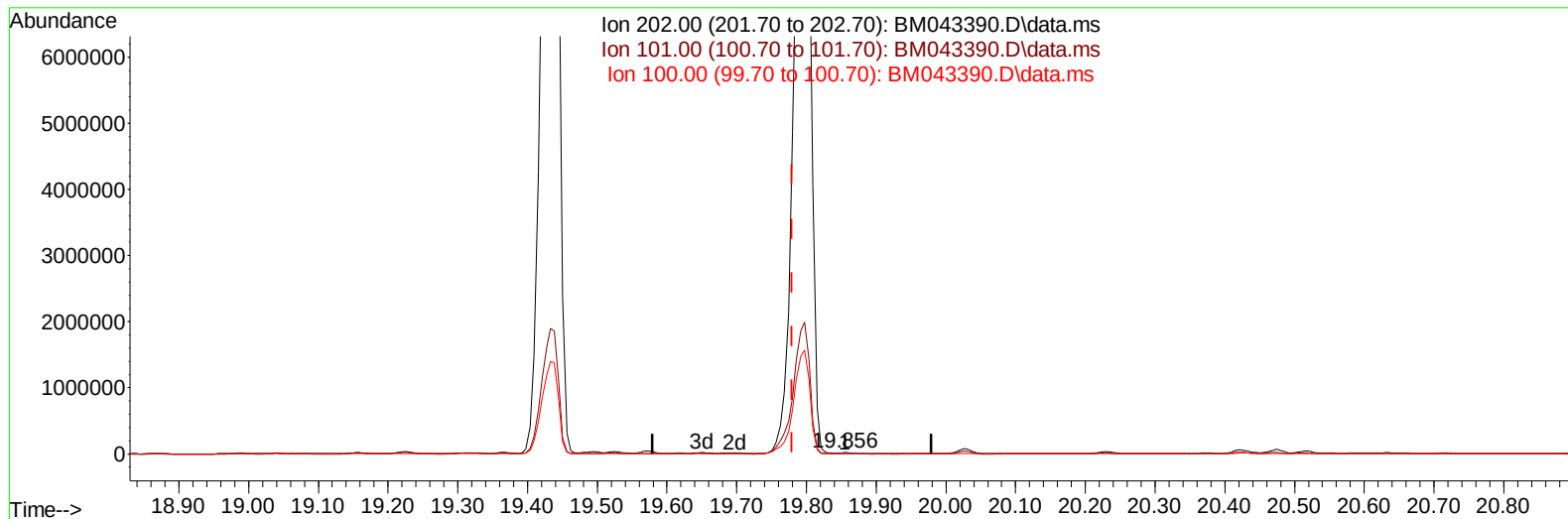
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ALS Vial : 8 Sample Multiplier: 1

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Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(82) Pyrene

19.856min (+ 0.076) 0.22 ng/u1

response 26008

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.90	41.55#
100.00	12.60	19.52#
0.00	0.00	0.00

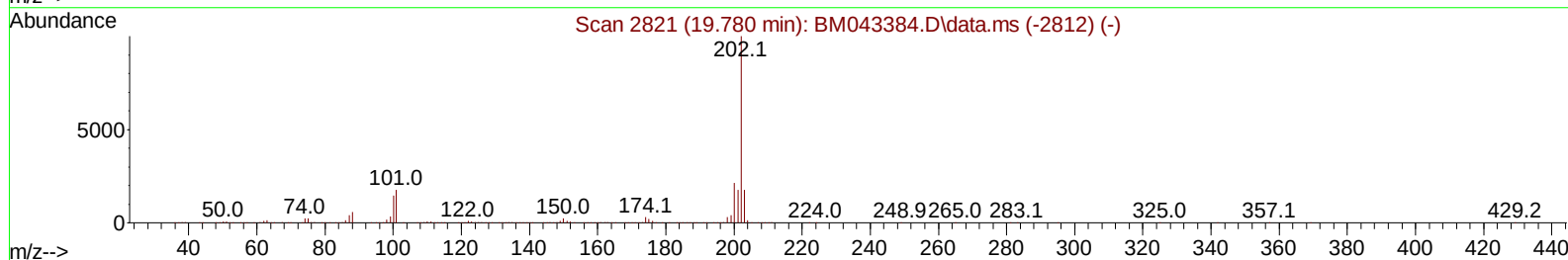
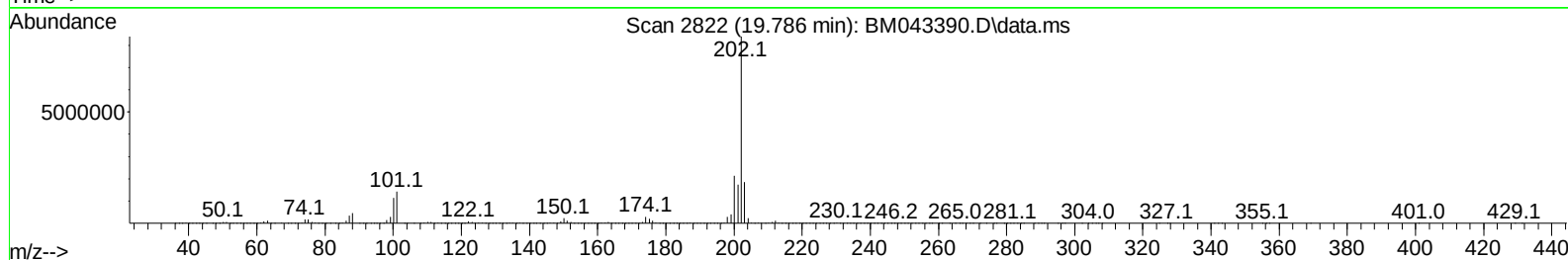
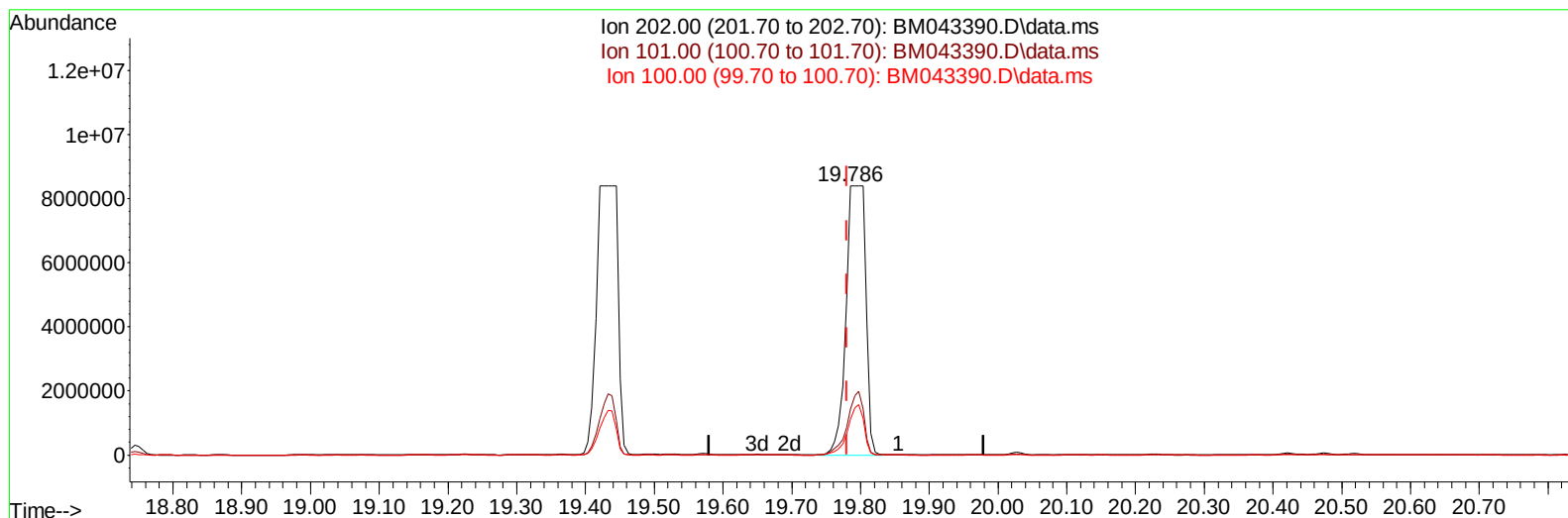
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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 Sample : 05626-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
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 DCLF3MSD

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 Supervised By :mohammad ahmed 12/20/2023



TIC: BM043390.D\data.ms

(82) Pyrene

19.786min (+ 0.006) 143.52 ng/ul m

response 16604815

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.90	17.05
100.00	12.60	13.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
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 Sample : 05626-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 DCLF3MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 19 01:09:23 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	435014	20.000	ng/uL	0.00
20) Naphthalene-d8	10.804	136	1833102	20.000	ng/uL	0.00
38) Acenaphthene-d10	14.627	164	915004	20.000	ng/uL	0.00
64) Phenanthrene-d10	17.374	188	1527624	20.000	ng/uL	0.01
79) Chrysene-d12	21.550	240	1151121	20.000	ng/uL	0.01
88) Perylene-d12	23.980	264	1226890	20.000	ng/uL	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	73900	5.521	ng/uL	0.00
4) Pyridine-d5	3.804	84	1109764	28.808	ng/uL	0.00
7) Phenol-d5	7.157	99	1586387	32.057	ng/uL	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	1012305	32.300	ng/uL	0.00
11) 2-Chlorophenol-d4	7.522	132	1215044	32.158	ng/uL	0.00
15) 4-Methylphenol-d8	8.710	113	1201796	31.296	ng/uL	0.00
21) Nitrobenzene-d5	9.169	128	604271	34.071	ng/uL	0.00
24) 2-Nitrophenol-d4	9.886	143	640945	34.976	ng/uL	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	1082437	33.461	ng/uL	0.00
31) 4-Chloroaniline-d4	10.945	131	1394513	29.302	ng/uL	0.00
46) Dimethylphthalate-d6	14.045	166	2711216	32.915	ng/uL	0.00
49) Acenaphthylene-d8	14.321	160	3306991	33.844	ng/uL	0.00
54) 4-Nitrophenol-d4	14.833	143	490316	31.451	ng/uL	0.01
60) Fluorene-d10	15.615	176	2212735	32.487	ng/uL	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	322991	31.969	ng/uL	0.01
73) Anthracene-d10	17.480	188	2833664	33.075	ng/uL	0.02
81) Pyrene-d10	19.762	212	2939534	32.345	ng/uL	0.01
92) Benzo(a)pyrene-d12	23.821	264	2585535	34.150	ng/uL	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	179276	12.123	ng/uL	96
5) Pyridine	3.828	79	1350677	33.904	ng/uL	100
6) Benzaldehyde	7.140	77	899174	38.321	ng/uL	98
8) Phenol	7.187	94	1775963	36.479	ng/uL	99
10) Bis(2-Chloroethyl)ether	7.428	93	1437404	36.368	ng/uL	98
12) 2-Chlorophenol	7.557	128	1374834	35.719	ng/uL	98
13) 2-Methylphenol	8.439	108	1313751	35.538	ng/uL	100
14) 2,2'-oxybis(1-Chloropr...	8.528	45	2393995	36.069	ng/uL	98
16) Acetophenone	8.828	105	2047319	34.823	ng/uL	99
17) N-Nitroso-di-n-propyla...	8.822	70	1157265	32.979	ng/uL	97
18) 4-Methylphenol	8.775	108	1399098	34.920	ng/uL	99
19) Hexachloroethane	9.069	117	591413	36.440	ng/uL	98
22) Nitrobenzene	9.210	77	1658953	37.796	ng/uL	98
23) Isophorone	9.739	82	3154342	35.428	ng/uL	99
25) 2-Nitrophenol	9.922	139	754196	38.725	ng/uL	98
26) 2,4-Dimethylphenol	9.981	107	1214894	35.017	ng/uL	99
27) Bis(2-Chloroethoxy)met...	10.228	93	1889632	35.943	ng/uL	99
29) 2,4-Dichlorophenol	10.451	162	1160927	36.980	ng/uL	99
30) Naphthalene	10.857	128	4854093	41.549	ng/uL	100
32) 4-Chloroaniline	10.969	127	1274303	27.845	ng/uL	99
33) Hexachlorobutadiene	11.128	225	607923	37.980	ng/uL	99
34) Caprolactam	11.769	113	401505	40.021	ng/uL	99
35) 4-Chloro-3-methylphenol	12.092	107	1272015	34.496	ng/uL	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.463	142	3450209	43.385	ng/ul	99
37) 1-Methylnaphthalene	12.680	142	3185329	39.711	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.822	216	1119271	40.147	ng/ul	98
40) Hexachlorocyclopentadiene	12.792	237	484915	27.721	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	765318	38.619	ng/ul	100
42) 2,4,5-Trichlorophenol	13.139	196	805882	38.299	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	3619639	41.499	ng/ul	99
44) 2-Chloronaphthalene	13.510	162	2622214	39.213	ng/ul	100
45) 2-Nitroaniline	13.721	65	872291	38.899	ng/ul	96
47) Dimethylphthalate	14.092	163	3015822	37.074	ng/ul	99
48) 2,6-Dinitrotoluene	14.221	165	617509	39.265	ng/ul	99
50) Acenaphthylene	14.351	152	4503210	40.133	ng/ul	99
51) 3-Nitroaniline	14.545	138	678224	37.566	ng/ul	99
52) Acenaphthene	14.692	153	6449708	87.215	ng/ul	98
53) 2,4-Dinitrophenol	14.751	184	296033	35.360	ng/ul	95
55) 4-Nitrophenol	14.845	109	452147	37.351	ng/ul	96
56) Dibenzofuran	15.027	168	7336846	76.818	ng/ul	99
57) 2,4-Dinitrotoluene	15.004	165	838919	37.757	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.251	232	555867	34.480	ng/ul	98
59) Diethylphthalate	15.451	149	3116708	37.388	ng/ul	99
61) Fluorene	15.674	166	7185324	88.061	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.674	204	1384785	38.583	ng/ul	94
63) 4-Nitroaniline	15.704	138	739921	44.775	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.762	198	412061	38.201	ng/ul	98
67) N-Nitrosodiphenylamine	15.886	169	2324473	39.615	ng/ul	99
68) 4-Bromophenyl-phenylether	16.562	248	719271	39.743	ng/ul	96
69) Hexachlorobenzene	16.668	284	792551	38.224	ng/ul	98
70) Atrazine	16.845	200	445692	34.653	ng/ul	98
71) Pentachlorophenol	17.015	266	445839	35.568	ng/ul	99
72) Phenanthrene	17.415	178	18792114m	181.502	ng/ul	
74) Anthracene	17.509	178	20745265m	198.536	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.427	216	1121766	44.714	ng/uL	99
76) Pentachlorobenzene	14.939	250	998181	40.862	ng/uL	97
77) Carbazole	17.780	167	5788177	64.904	ng/ul	99
78) Di-n-butylphthalate	18.345	149	5025876	43.108	ng/ul	100
80) Fluoranthene	19.421	202	17964260m	159.622	ng/ul	
82) Pyrene	19.786	202	16604815m	143.518	ng/ul	
83) Butylbenzylphthalate	20.692	149	2085933	41.700	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.468	252	1052016	37.107	ng/ul	98
85) Benzo(a)anthracene	21.539	228	8361672	86.869	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	3120603	43.819	ng/ul	99
87) Chrysene	21.592	228	8089696	93.420	ng/ul	97
89) Di-n-octyl phthalate	22.415	149	5248600	44.721	ng/ul	100
90) Benzo(b)fluoranthene	23.244	252	6539547	69.555	ng/ul	98
91) Benzo(k)fluoranthene	23.291	252	4812405	52.480	ng/ul	99
93) Benzo(a)pyrene	23.880	252	4881231	56.904	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.521	276	4874064	47.587	ng/ul	98
95) Dibenzo(a,h)anthracene	26.544	278	3685904	43.459	ng/ul	99
96) Benzo(g,h,i)perylene	27.297	276	3772455	46.986	ng/ul	100

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

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/20/2023

