

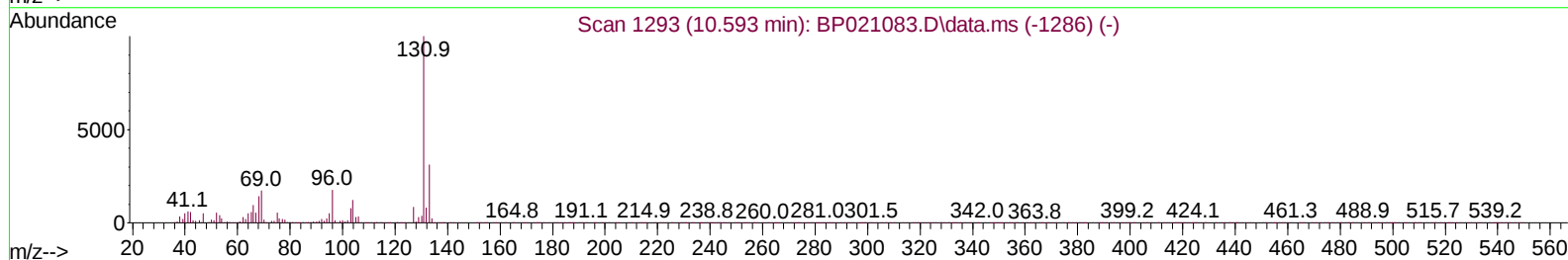
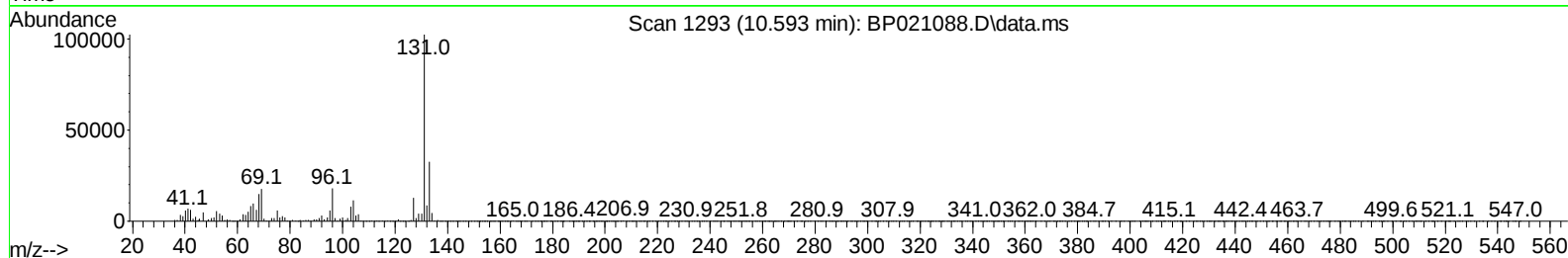
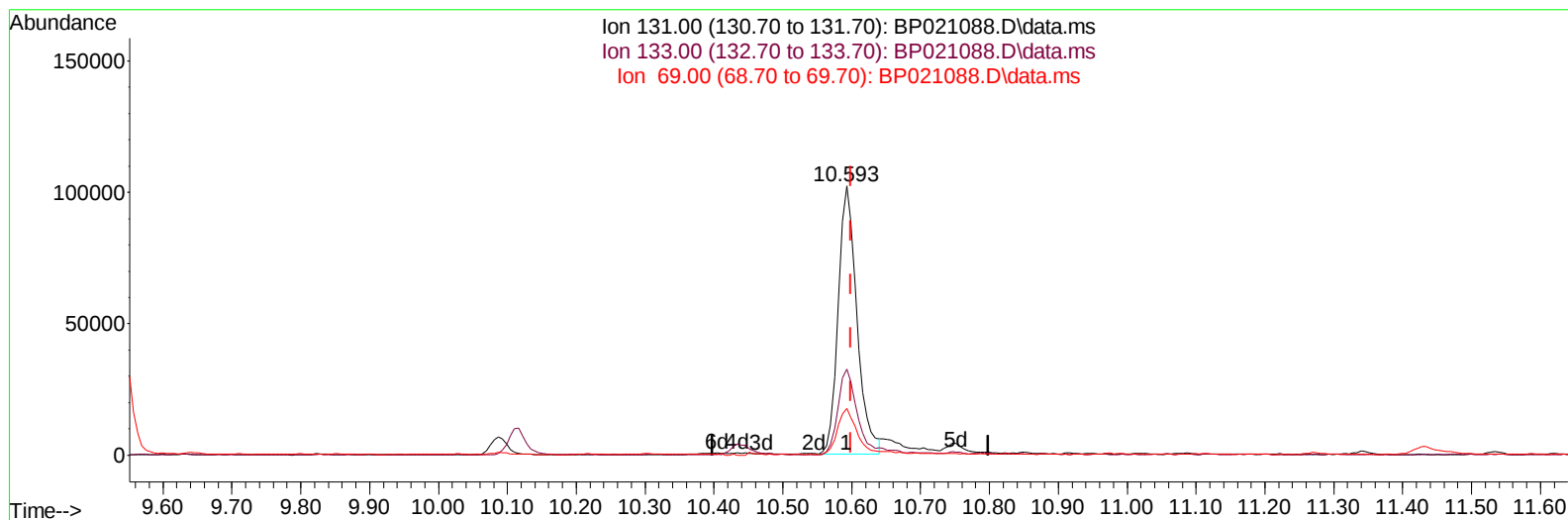
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021088.D
 Acq On : 22 Jul 2024 14:47
 Operator : MA/JU
 Sample : P3238-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:53:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.593min (-0.006) 10.05 ng/ul

response 192788

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	32.00
69.00	17.40	17.40
0.00	0.00	0.00

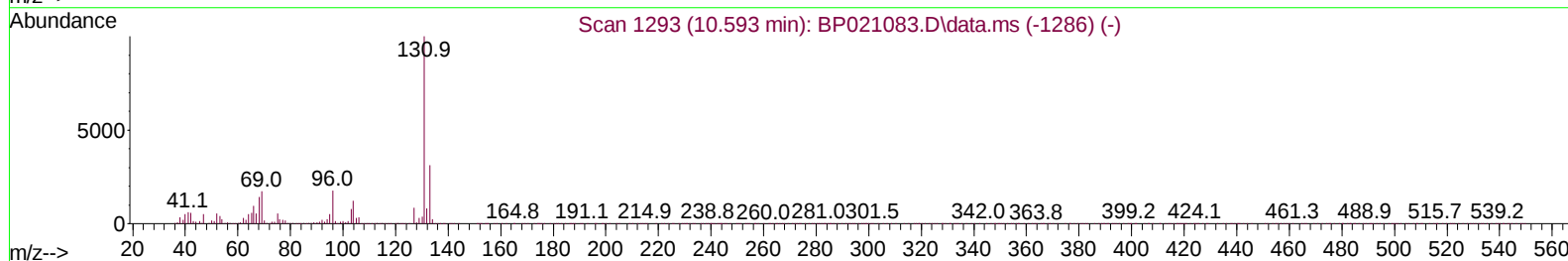
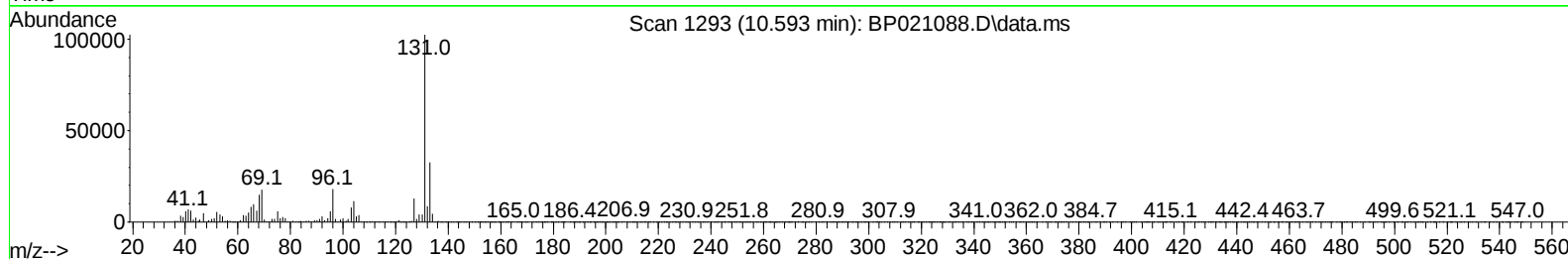
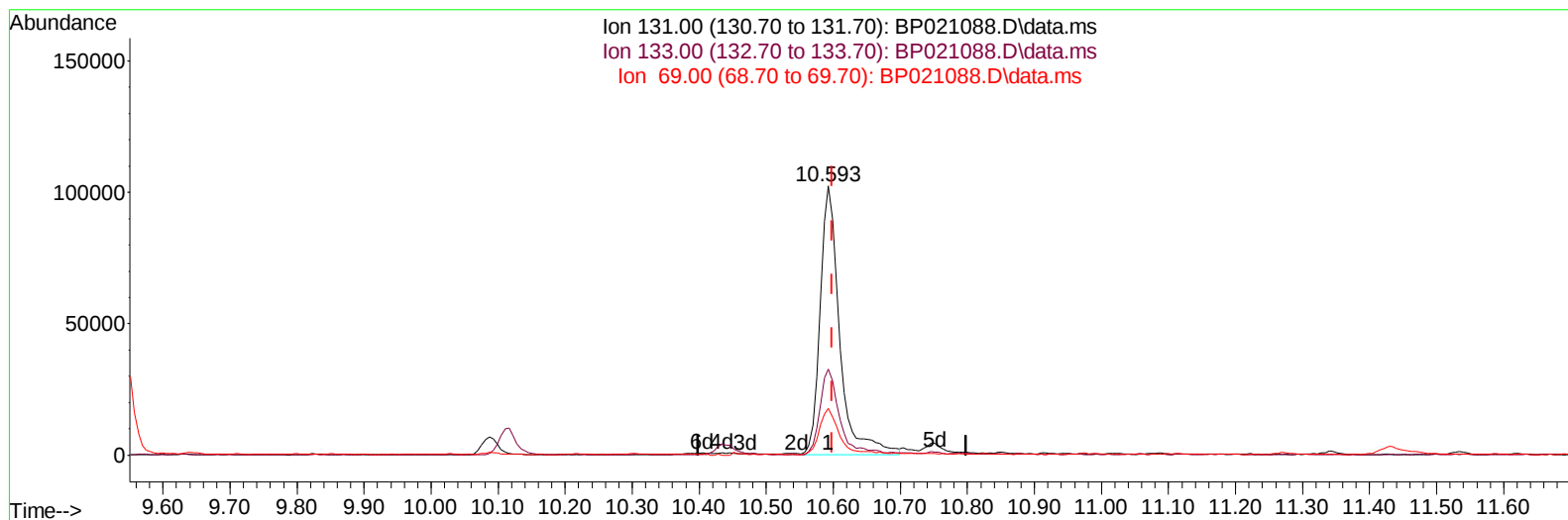
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:53:21 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.593min (-0.006) 10.80 ng/ul m

response 207186

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	32.00
69.00	17.40	17.40
0.00	0.00	0.00

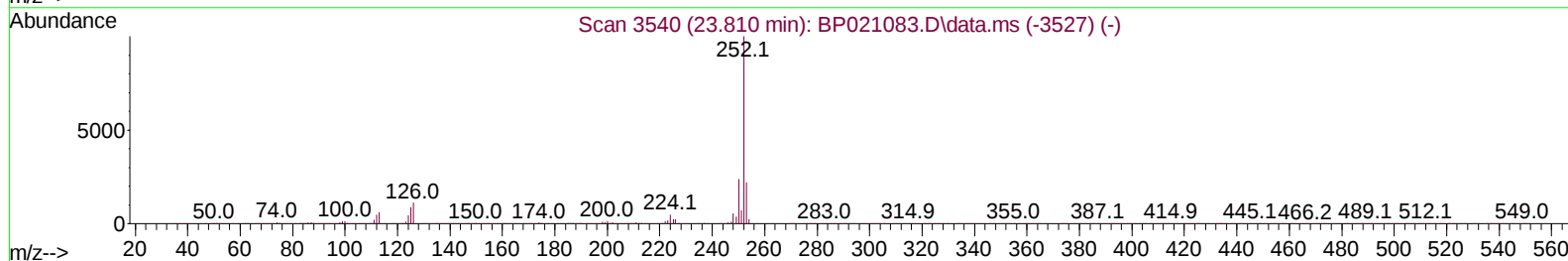
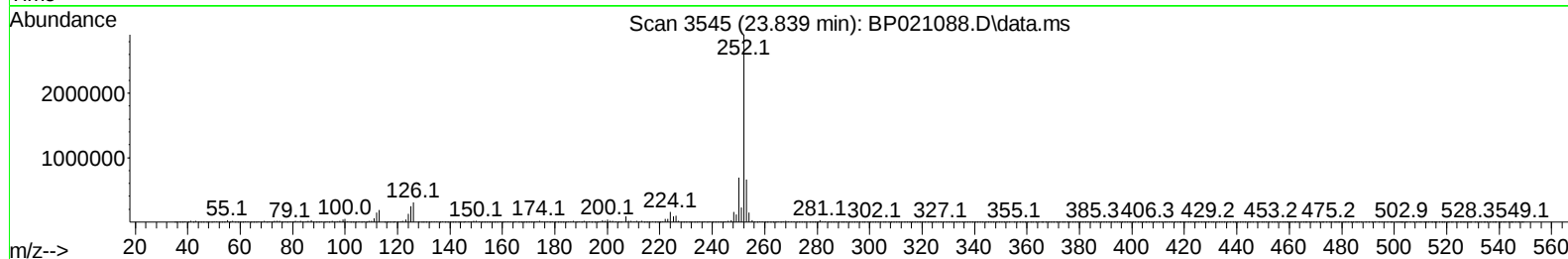
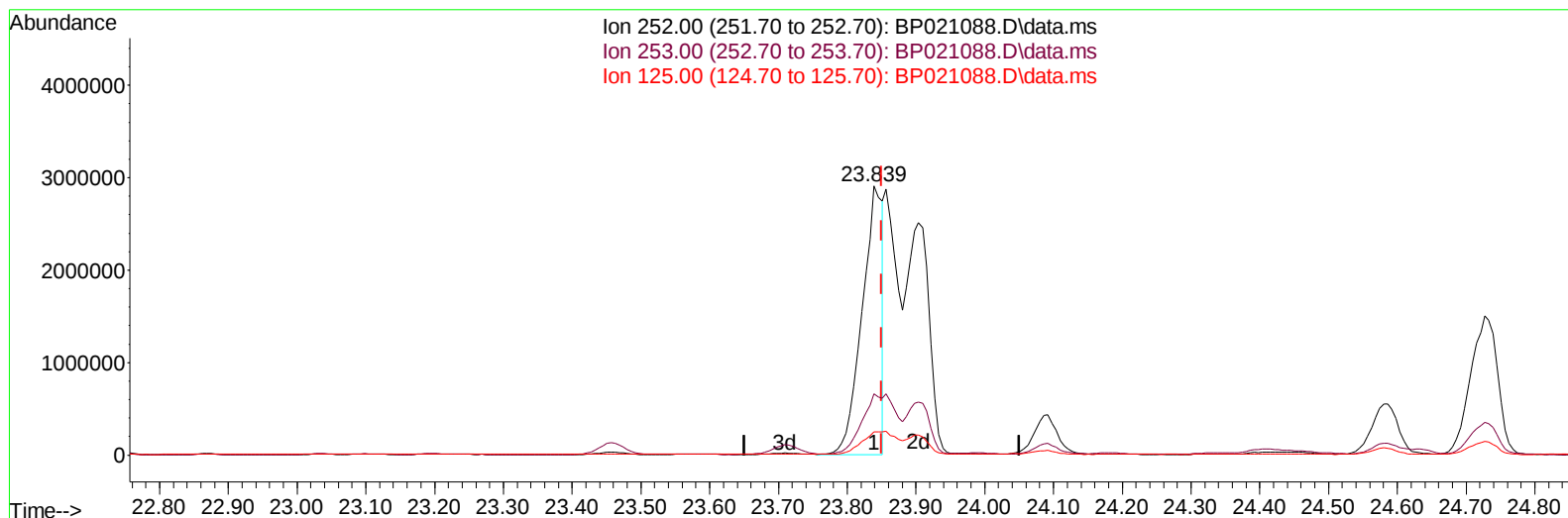
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
Sample : P3238-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BE6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 03:57:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration



TIC: BP021088.D\data.ms

(90) Benzo(b)fluoranthene**23.839min (-0.012) 68.46 ng/u1****response 6005950**

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	22.81
125.00	8.70	8.65
0.00	0.00	0.00

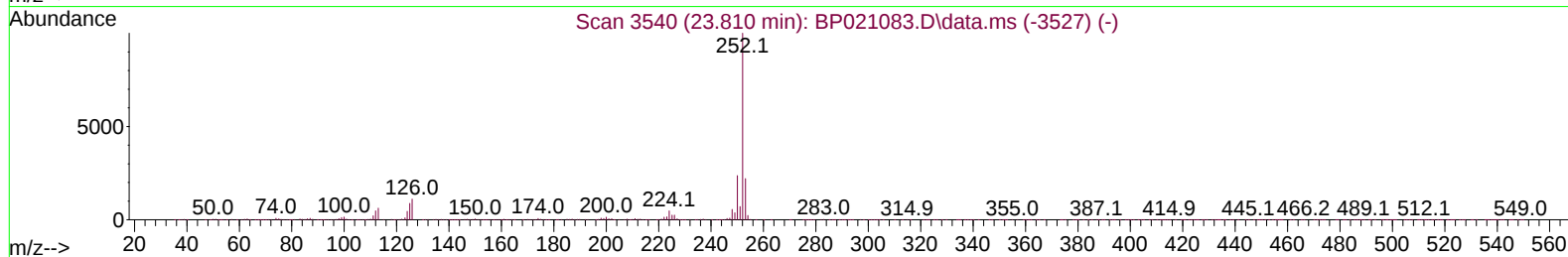
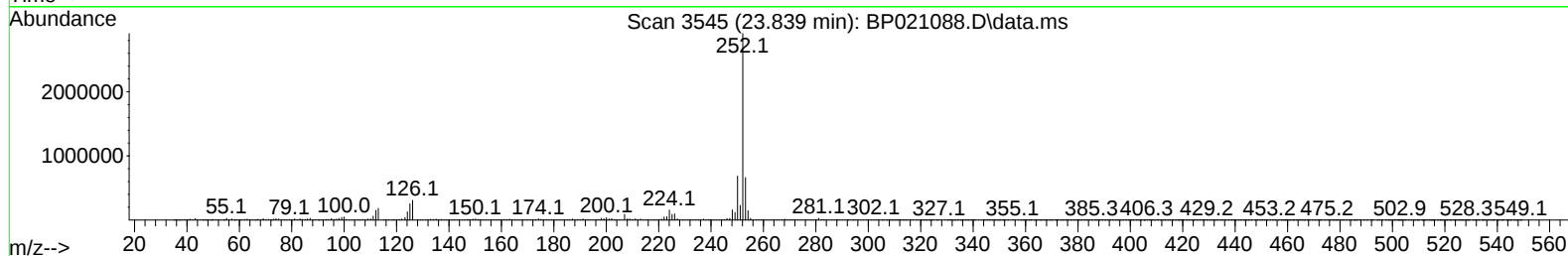
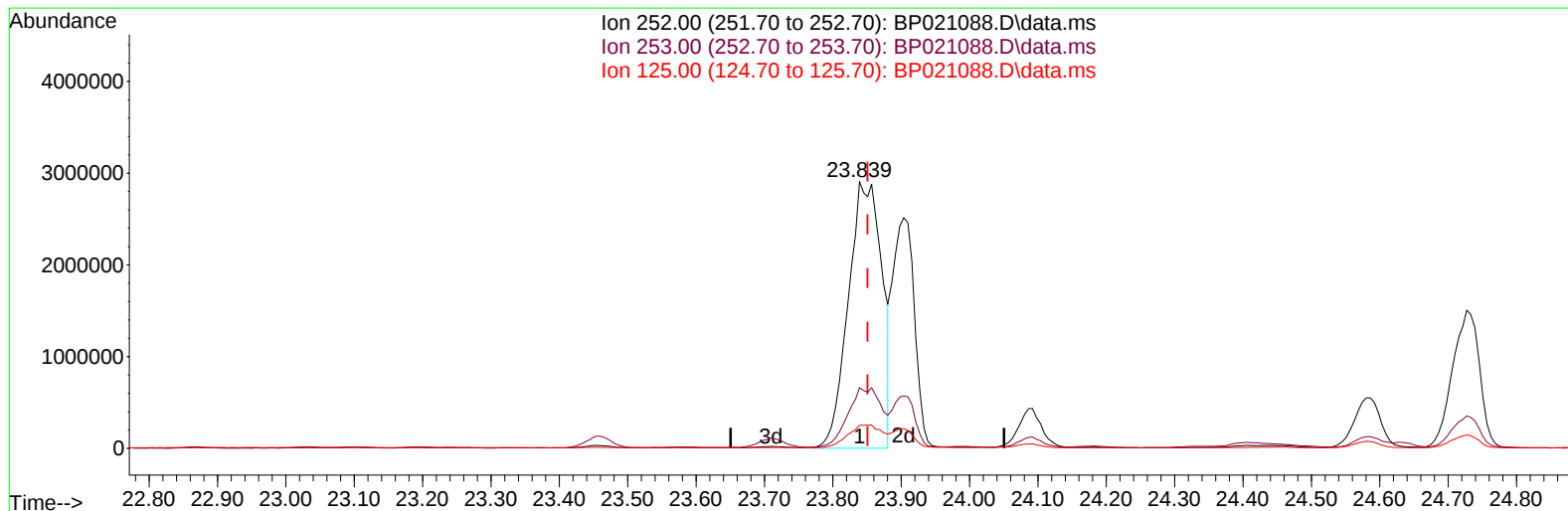
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
Sample : P3238-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BE6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 04:05:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration



TIC: BP021088.D\data.ms

(90) Benzo(b)fluoranthene

23.839min (-0.012) 112.58 ng/u1 m

response 9877676

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	22.81
125.00	8.70	8.65
0.00	0.00	0.00

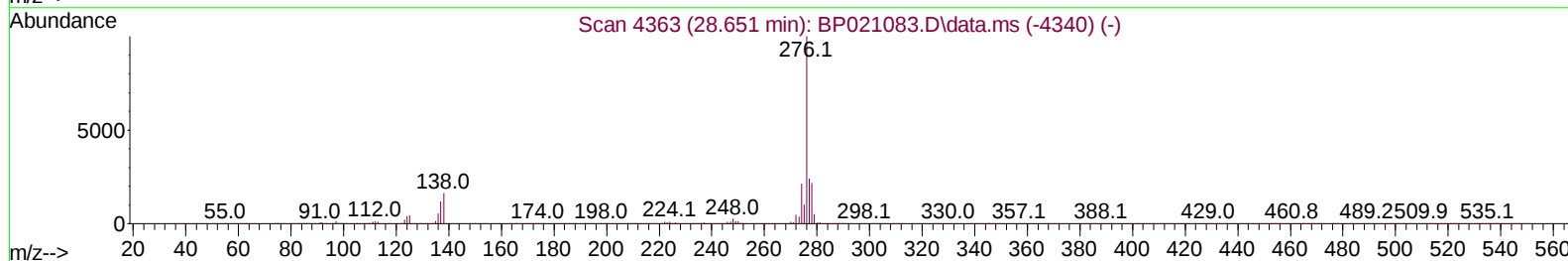
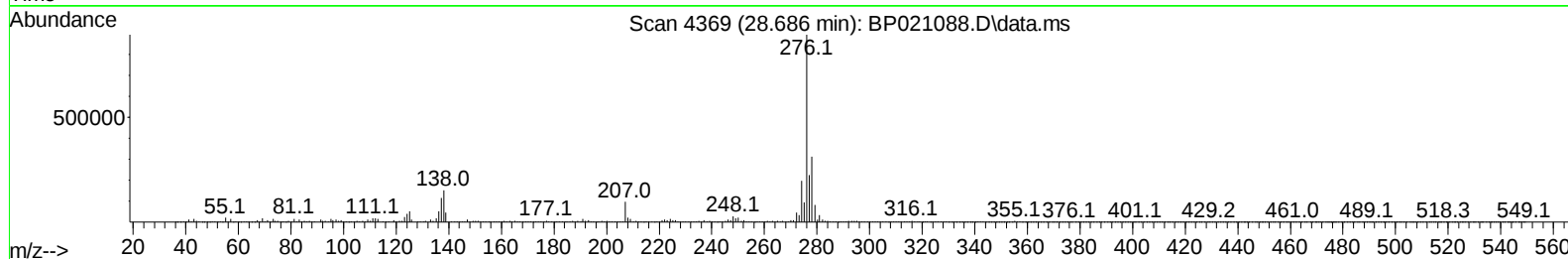
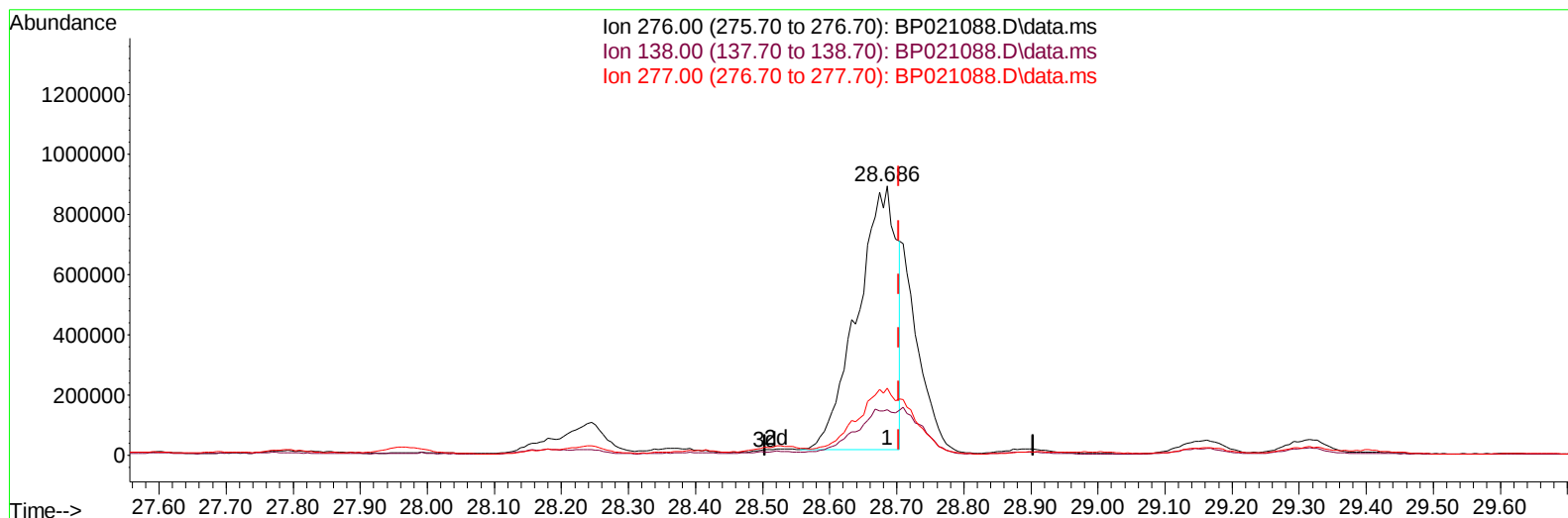
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
Sample : P3238-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:57:41 2024
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.686min (-0.018) 33.24 ng/u1

response 3551632

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	16.82
277.00	24.00	25.01
0.00	0.00	0.00

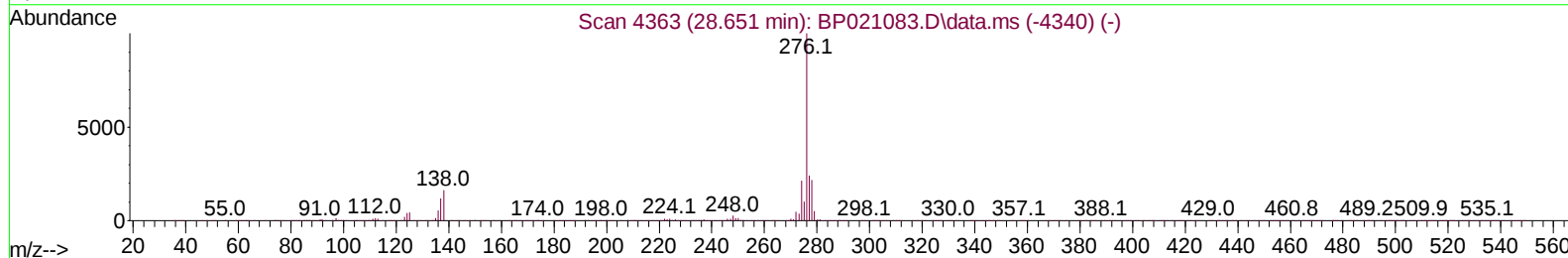
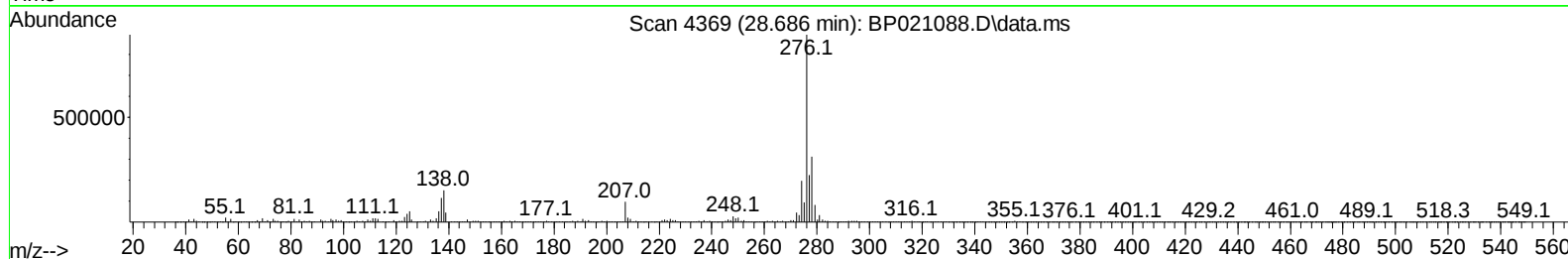
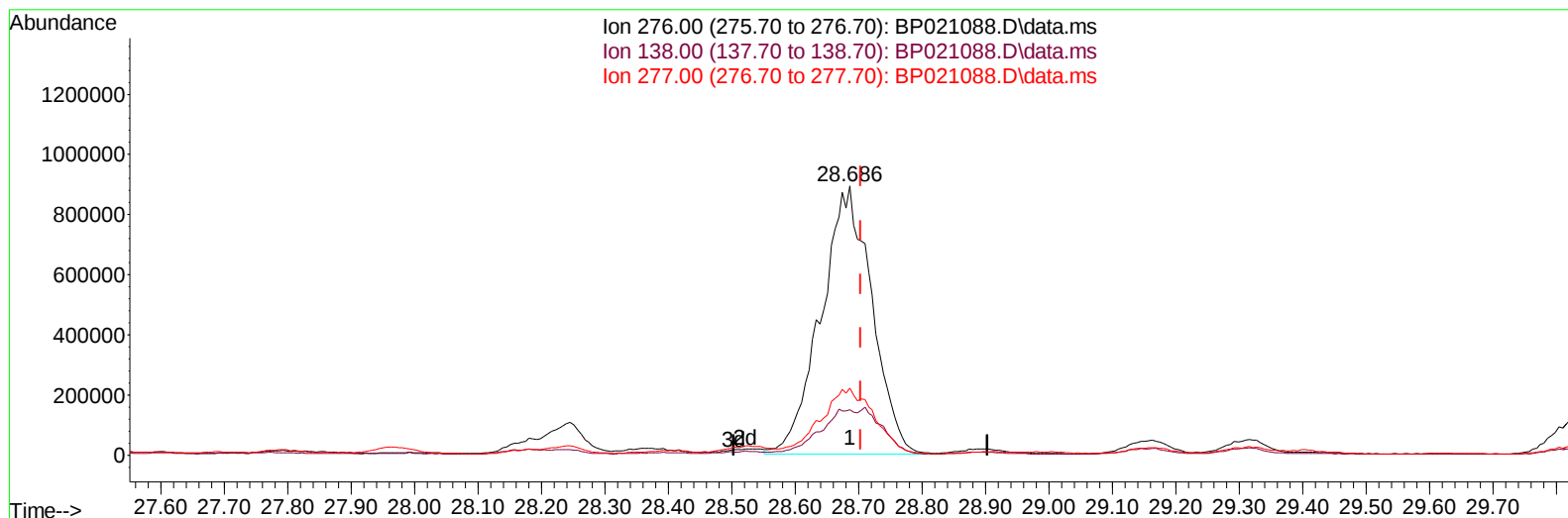
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 Data File : BP021088.D
 Acq On : 22 Jul 2024 14:47
 Operator : MA/JU
 Sample : P3238-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:57:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.686min (-0.018) 46.26 ng/ul m

response 4942077

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	16.82
277.00	24.00	25.01
0.00	0.00	0.00

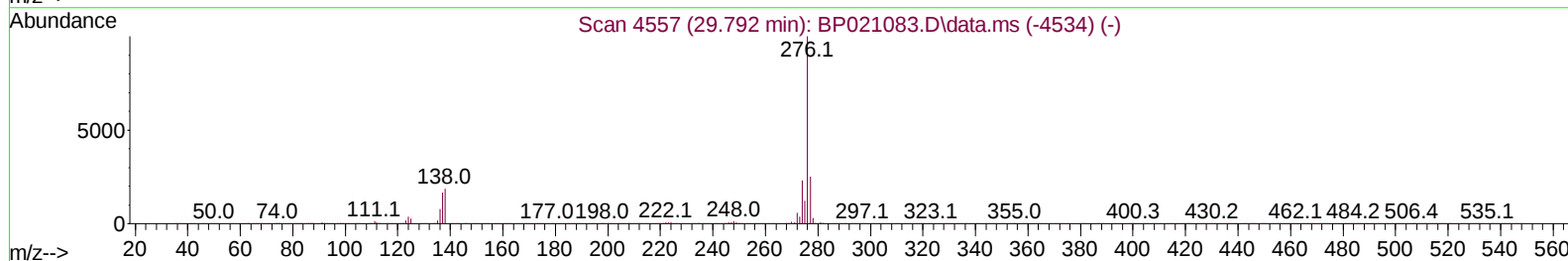
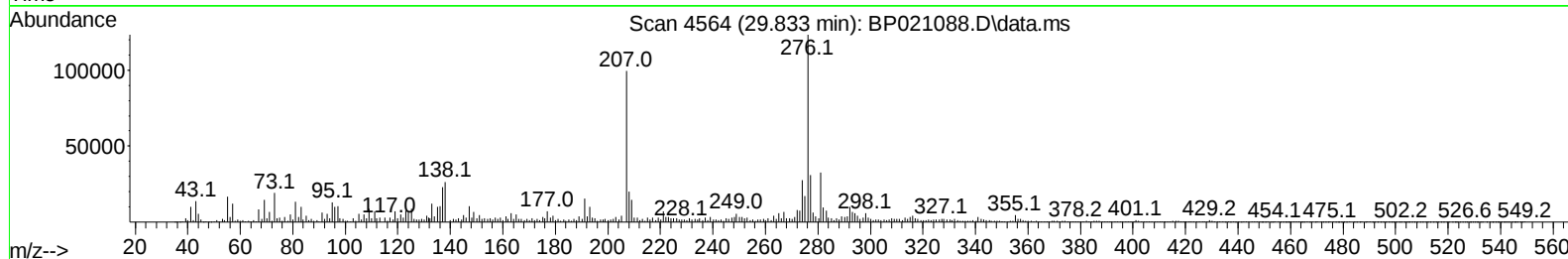
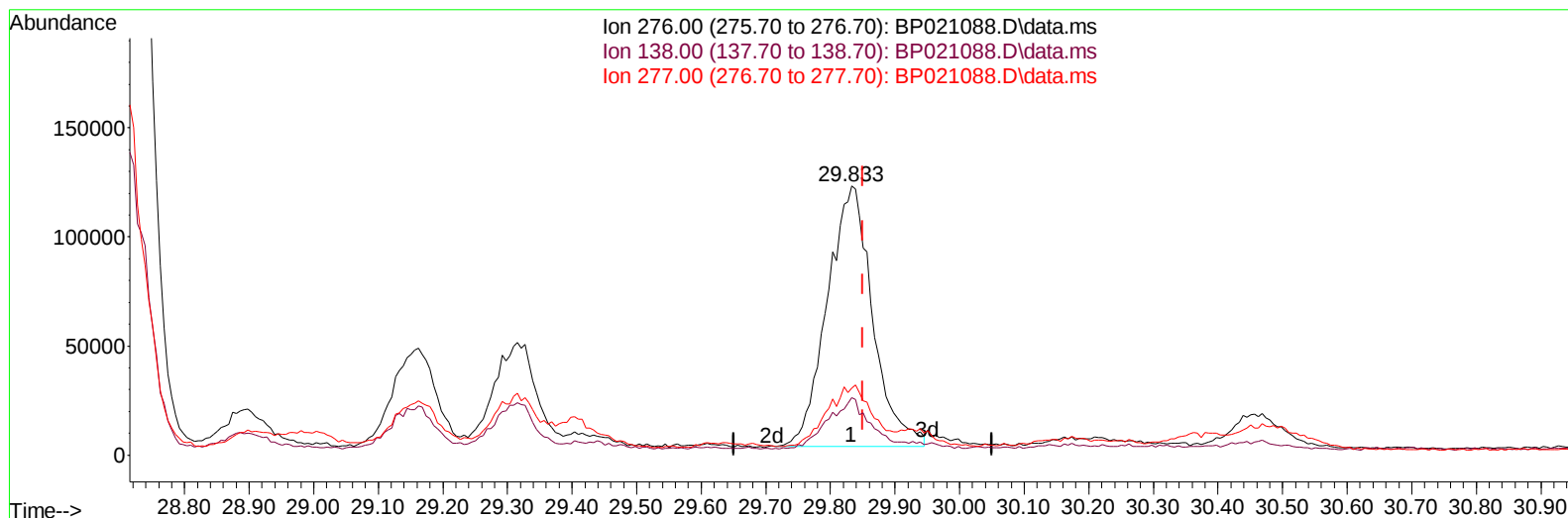
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Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
Sample : P3238-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:57:41 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(96) Benzo(g,h,i)perylene

29.833min (-0.018) 6.66 ng/u1

response 579846

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	21.40
277.00	22.70	24.97
0.00	0.00	0.00

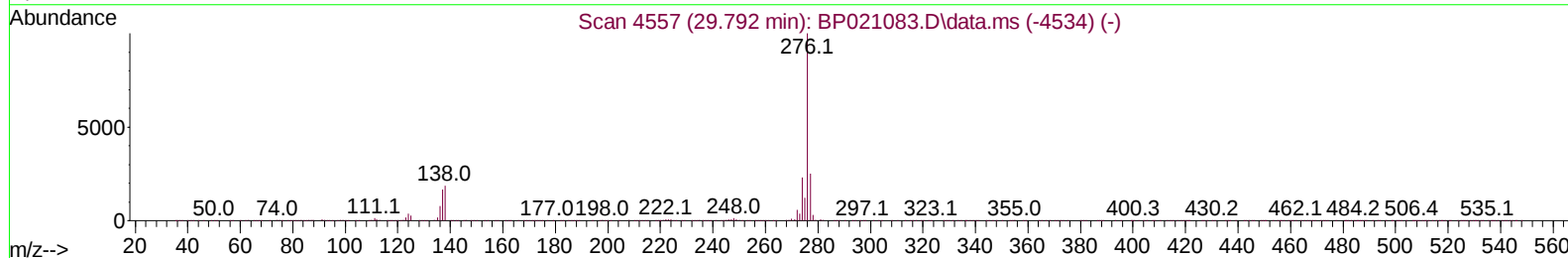
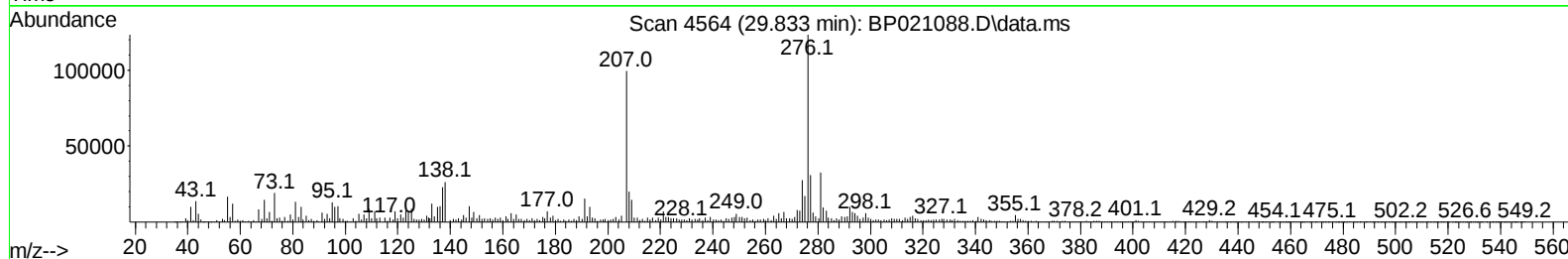
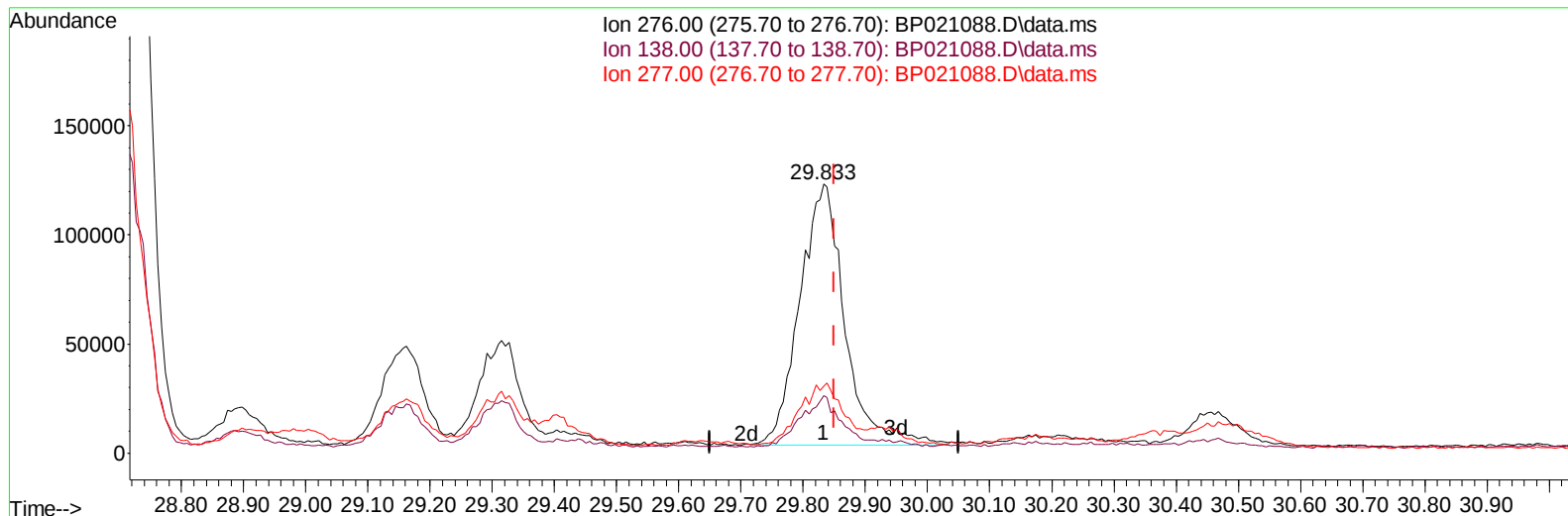
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021088.D
Acq On : 22 Jul 2024 14:47
Operator : MA/JU
Sample : P3238-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:57:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



TIC: BP021088.D\data.ms

(96) Benzo(g,h,i)perylene

29.833min (-0.018) 6.91 ng/ul m

response 601040

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	21.40
277.00	22.70	24.97
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
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 Acq On : 22 Jul 2024 14:47
 Operator : MA/JU
 Sample : P3238-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6MS

Manual IntegrationsAPPROVED

Quant Time: Jul 23 04:05:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	223984	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.434	136	900700	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.298	164	591705	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.110	188	1238486	20.000	ng/ul	-0.02
79) Chrysene-d12	21.574	240	1138270	20.000	ng/ul	0.00
88) Perylene-d12	24.880	264	1445759	20.000	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	16468	3.346	ng/uL	0.00
4) Pyridine-d5	3.646	84	130137	9.133	ng/ul	-0.01
7) Phenol-d5	6.893	99	404690	22.162	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.034	67	223996	20.241	ng/ul	0.00
11) 2-Chlorophenol-d4	7.234	132	332271	22.085	ng/ul	0.00
15) 4-Methylphenol-d8	8.405	113	310385	20.465	ng/ul	-0.01
21) Nitrobenzene-d5	8.834	128	161938	23.148	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.540	143	189237	23.633	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	351381	24.269	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.593	131	207186m	10.802	ng/ul	0.00
46) Dimethylphthalate-d6	13.716	166	959408	22.305	ng/ul	0.00
49) Acenaphthylene-d8	13.993	160	1133189	23.462	ng/ul	0.00
54) 4-Nitrophenol-d4	14.587	143	160023	26.148	ng/ul	-0.02
60) Fluorene-d10	15.316	176	882859	25.019	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	113978	15.210	ng/ul	0.00
73) Anthracene-d10	17.222	188	1360499	24.733	ng/ul	0.00
81) Pyrene-d10	19.604	212	1344685	19.108	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.657	264	1162971	16.310	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.264	88	46194	8.533	ng/uL	99
5) Pyridine	3.664	79	209195	14.233	ng/ul	98
6) Benzaldehyde	6.852	77	251543	27.323	ng/ul	99
8) Phenol	6.922	94	520215	28.153	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.122	93	359365	23.542	ng/ul	98
12) 2-Chlorophenol	7.263	128	402868	26.717	ng/ul	100
13) 2-Methylphenol	8.146	108	382283	26.751	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.199	45	502234	22.774	ng/ul	97
16) Acetophenone	8.505	105	604724	25.834	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.481	70	284657	23.209	ng/ul	99
18) 4-Methylphenol	8.469	108	423357	27.653	ng/ul	98
19) Hexachloroethane	8.734	117	119579	17.647	ng/ul	96
22) Nitrobenzene	8.875	77	438177	26.147	ng/ul	99
23) Isophorone	9.381	82	831370	24.954	ng/ul	100
25) 2-Nitrophenol	9.575	139	236578	28.329	ng/ul	97
26) 2,4-Dimethylphenol	9.640	107	396698	24.090	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.863	93	488930	24.143	ng/ul	98
29) 2,4-Dichlorophenol	10.110	162	411953	28.870	ng/ul	99
30) Naphthalene	10.487	128	1596203	33.691	ng/ul	99
32) 4-Chloroaniline	10.616	127	251062	13.707	ng/ul	99
33) Hexachlorobutadiene	10.752	225	268978	25.140	ng/ul	99
34) Caprolactam	11.428	113	137148	31.200	ng/ul	89
35) 4-Chloro-3-methylphenol	11.763	107	470332	30.323	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.099	142	1009228	31.032	ng/ul	99
37) 1-Methylnaphthalene	12.322	142	992633	29.677	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.469	216	515313	26.817	ng/ul	98
40) Hexachlorocyclopentadiene	12.428	237	40909	4.070	ng/ul	97
41) 2,4,6-Trichlorophenol	12.728	196	343669	28.303	ng/ul	99
42) 2,4,5-Trichlorophenol	12.822	196	376028	29.270	ng/ul	98
43) 1,1'-Biphenyl	13.116	154	1193416	27.598	ng/ul	100
44) 2-Chloronaphthalene	13.163	162	928626	26.900	ng/ul	100
45) 2-Nitroaniline	13.393	65	290954	30.477	ng/ul	96
47) Dimethylphthalate	13.763	163	1159647	26.570	ng/ul	99
48) 2,6-Dinitrotoluene	13.893	165	255226	29.250	ng/ul	95
50) Acenaphthylene	14.022	152	1596125	29.188	ng/ul	99
51) 3-Nitroaniline	14.240	138	209919	27.646	ng/ul	94
52) Acenaphthene	14.375	153	1485591	40.930	ng/ul	98
53) 2,4-Dinitrophenol	14.475	184	73797	16.104	ng/ul	99
55) 4-Nitrophenol	14.598	109	182535	36.666	ng/ul	94
56) Dibenzofuran	14.716	168	1890139	38.029	ng/ul	96
57) 2,4-Dinitrotoluene	14.704	165	373825	31.209	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	14.957	232	310824	28.254	ng/ul	95
59) Diethylphthalate	15.140	149	1132379	25.961	ng/ul	99
61) Fluorene	15.375	166	1759967	43.393	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.357	204	581553	26.424	ng/ul	99
63) 4-Nitroaniline	15.428	138	231563	36.825	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.492	198	143931	18.112	ng/ul#	93
67) N-Nitrosodiphenylamine	15.592	169	986292	27.348	ng/ul	98
68) 4-Bromophenyl-phenylether	16.281	248	384678	26.499	ng/ul	97
69) Hexachlorobenzene	16.398	284	356079	21.393	ng/ul	96
70) Atrazine	16.569	200	273672	20.821	ng/ul	99
71) Pentachlorophenol	16.775	266	220640	24.407	ng/ul	98
72) Phenanthrene	17.163	178	11972961	186.356	ng/ul	97
74) Anthracene	17.257	178	4232684	64.623	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.081	216	491966	24.818	ng/uL	99
76) Pentachlorobenzene	14.622	250	486292	24.688	ng/uL	99
77) Carbazole	17.545	167	2634623	49.206	ng/ul	100
78) Di-n-butylphthalate	18.104	149	1995528	27.014	ng/ul	100
80) Fluoranthene	19.263	202	14718992	173.195	ng/ul	98
82) Pyrene	19.645	202	10887832	125.899	ng/ul	96
83) Butylbenzylphthalate	20.575	149	940814	26.111	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.474	252	261935	10.071	ng/ul	99
85) Benzo(a)anthracene	21.551	228	8544989	107.165	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.457	149	1495665	28.844	ng/ul	99
87) Chrysene	21.622	228	8051857	108.673	ng/ul	96
89) Di-n-octyl phthalate	22.704	149	2349635	24.602	ng/ul	100
90) Benzo(b)fluoranthene	23.839	252	9877676m	112.584	ng/ul	
91) Benzo(k)fluoranthene	23.904	252	5442263	62.156	ng/ul	98
93) Benzo(a)pyrene	24.727	252	4107966	49.548	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.686	276	4942077m	46.259	ng/ul	
95) Dibenzo(a,h)anthracene	28.721	278	3414817	38.599	ng/ul	99
96) Benzo(g,h,i)perylene	29.833	276	601040m	6.908	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

A4BE6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024

