

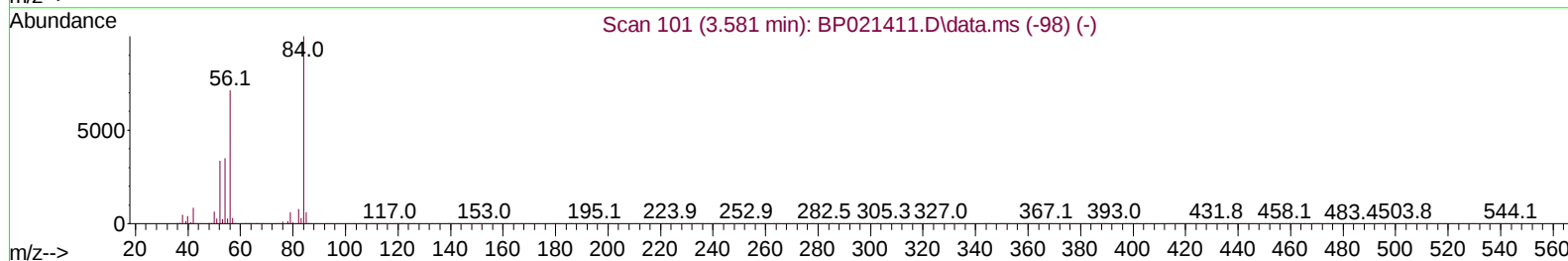
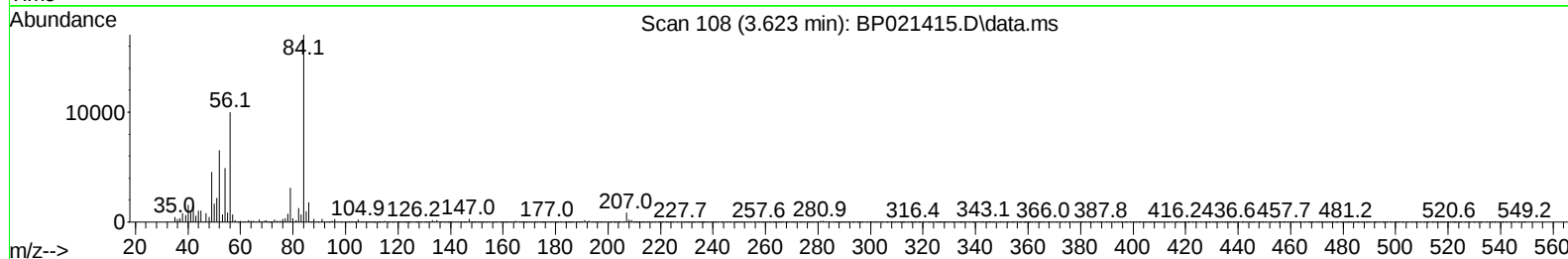
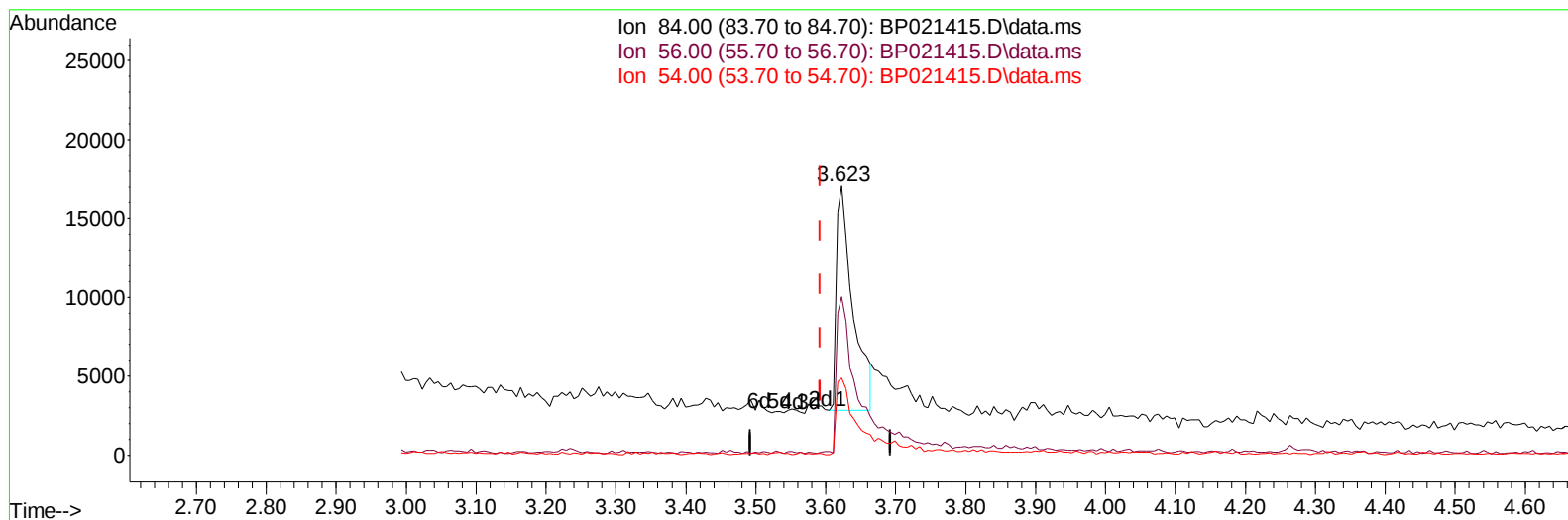
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(4) Pyridine-d5 (S)

3.623min (+ 0.030) 2.06 ng/u1

response	23358	
Ion	Exp%	Act%
84.00	100.00	100.00
56.00	70.20	58.76
54.00	34.30	28.76
0.00	0.00	0.00

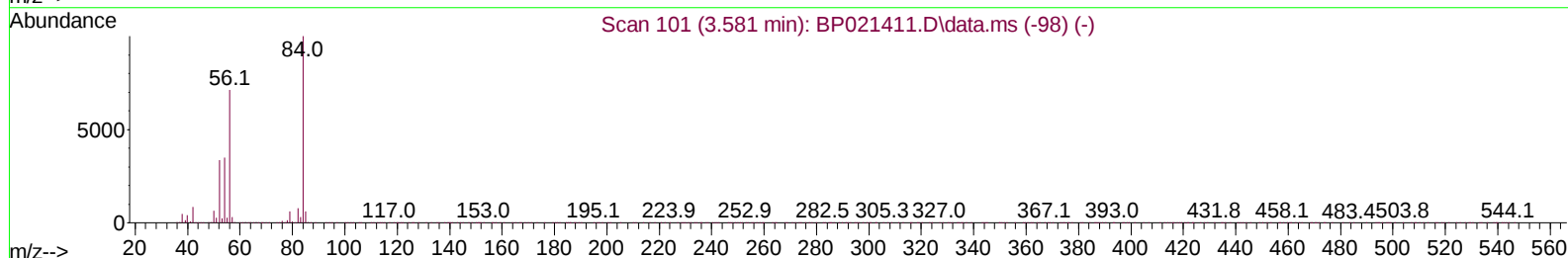
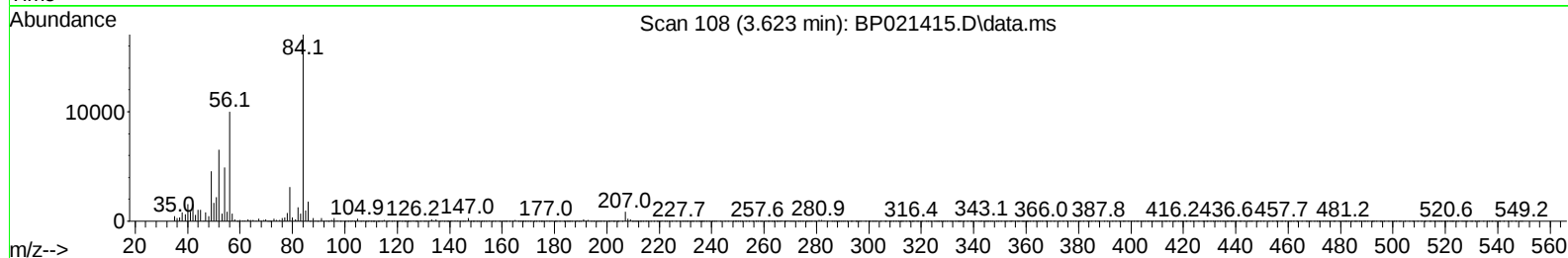
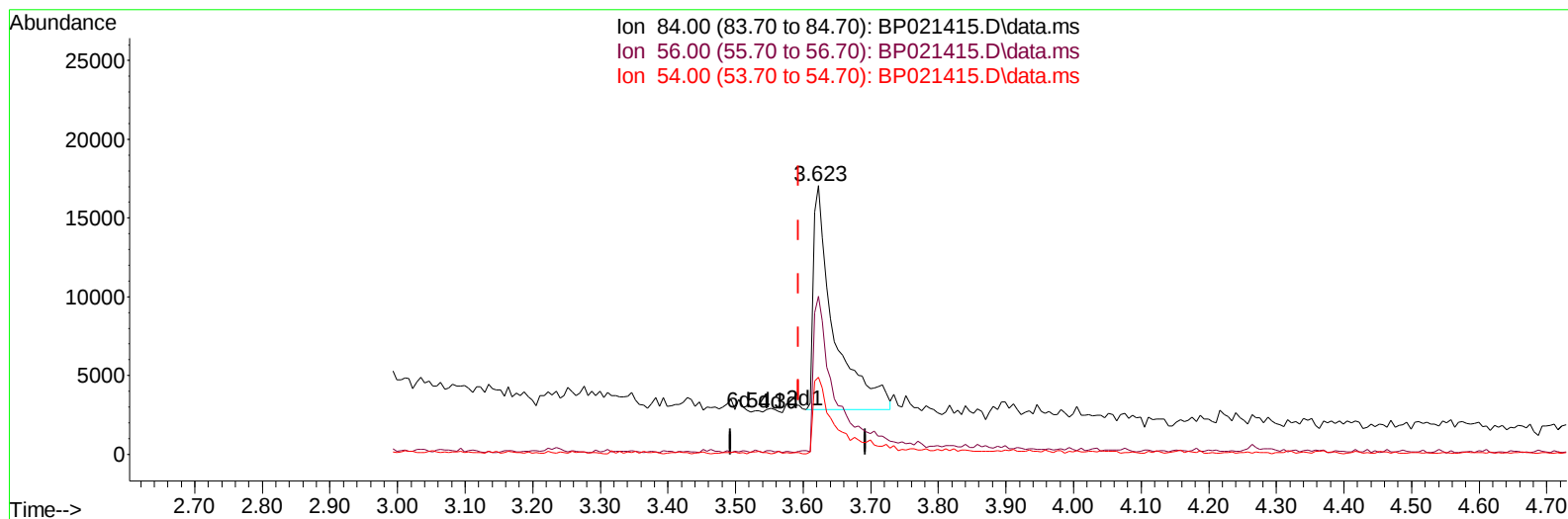
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(4) Pyridine-d5 (S)

3.623min (+ 0.030) 2.64 ng/ul m

response 29856

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	70.20	58.76
54.00	34.30	28.76
0.00	0.00	0.00

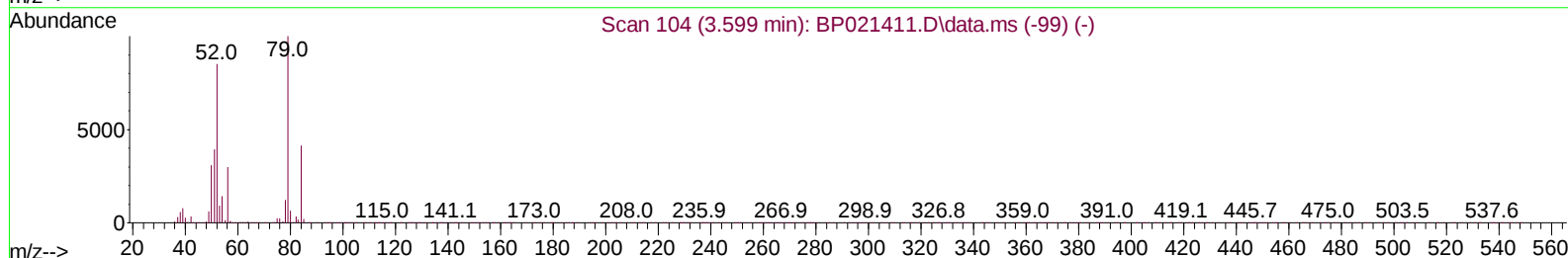
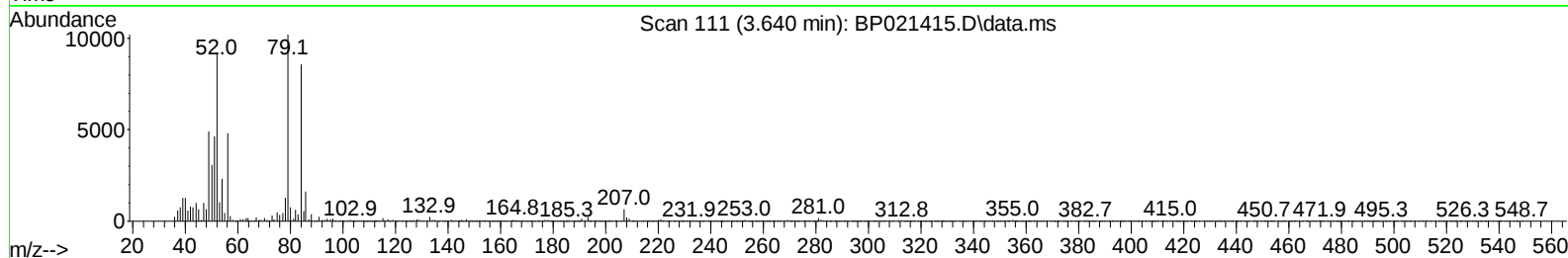
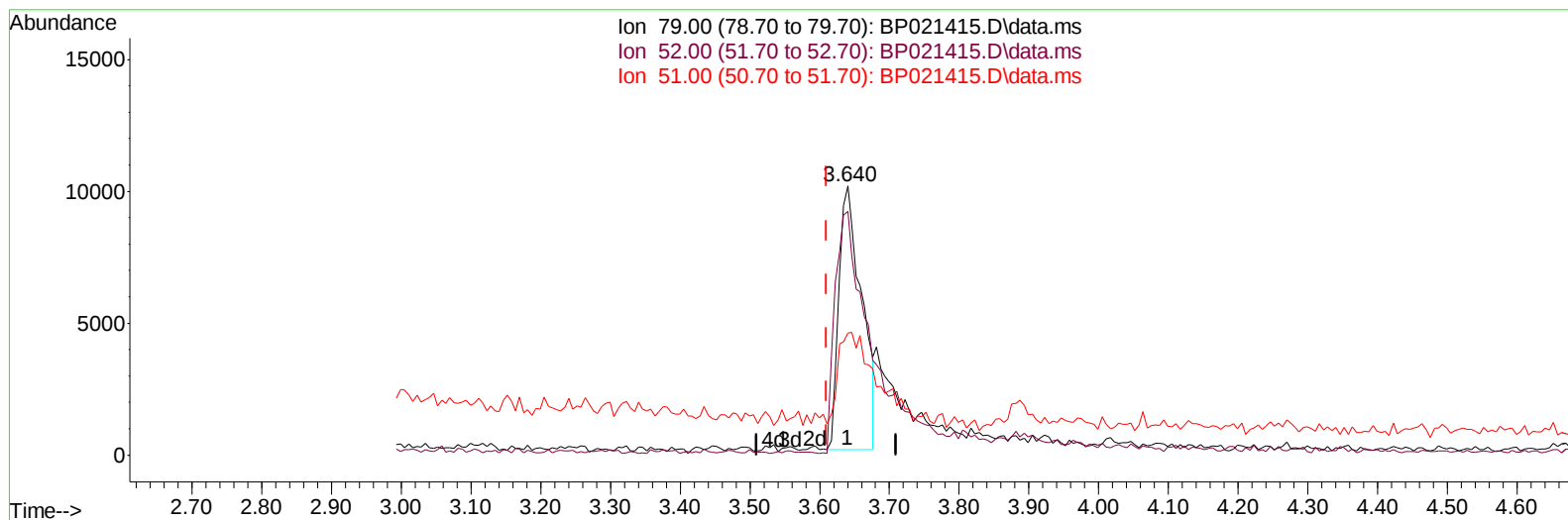
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(5) Pyridine

3.640min (+ 0.030) 1.94 ng/u1

response 22577

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	81.10	90.54
51.00	38.10	45.48
0.00	0.00	0.00

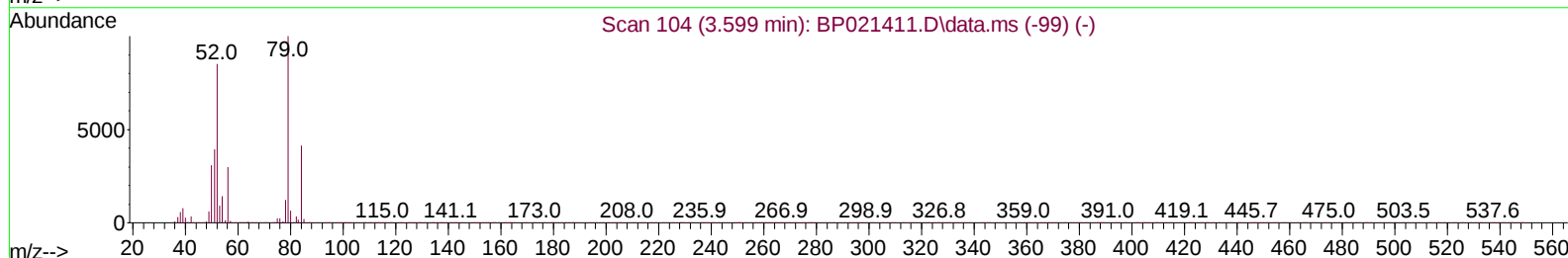
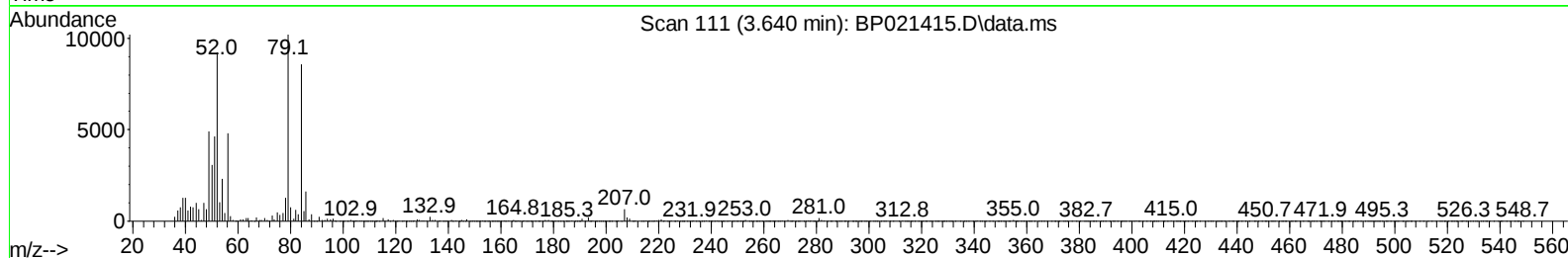
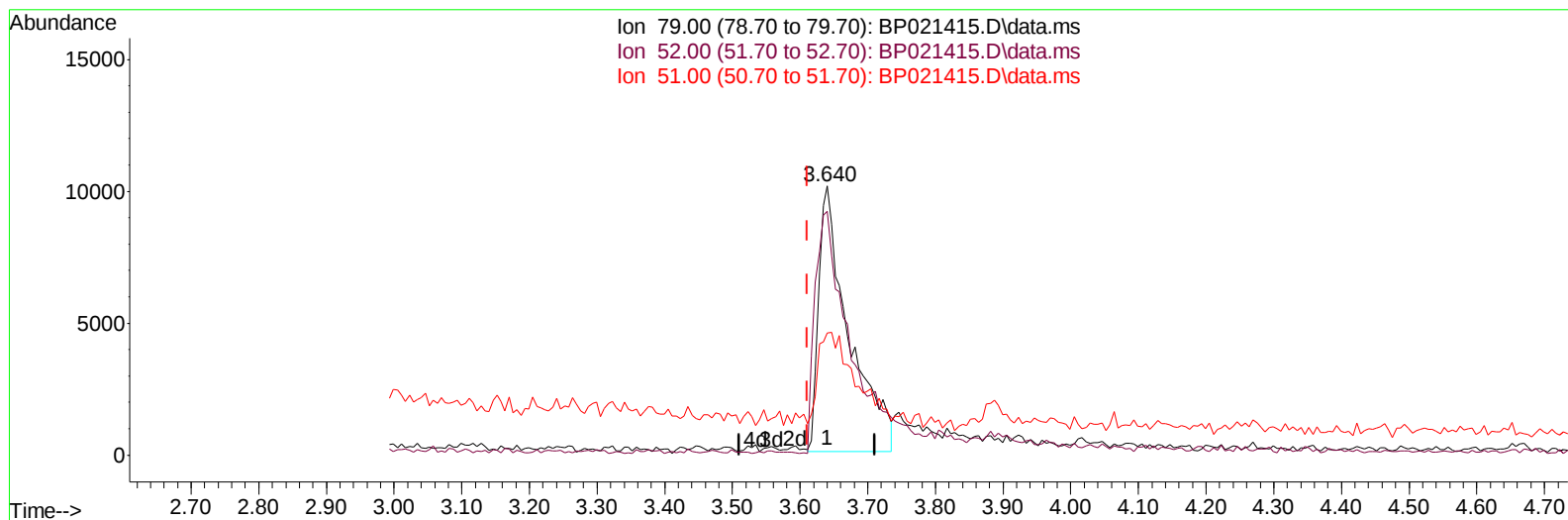
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(5) Pyridine

3.640min (+ 0.030) 2.66 ng/ul m

response 31043

Ion	Exp%	Act%
79.00	100.00	100.00
52.00	81.10	90.54
51.00	38.10	45.48
0.00	0.00	0.00

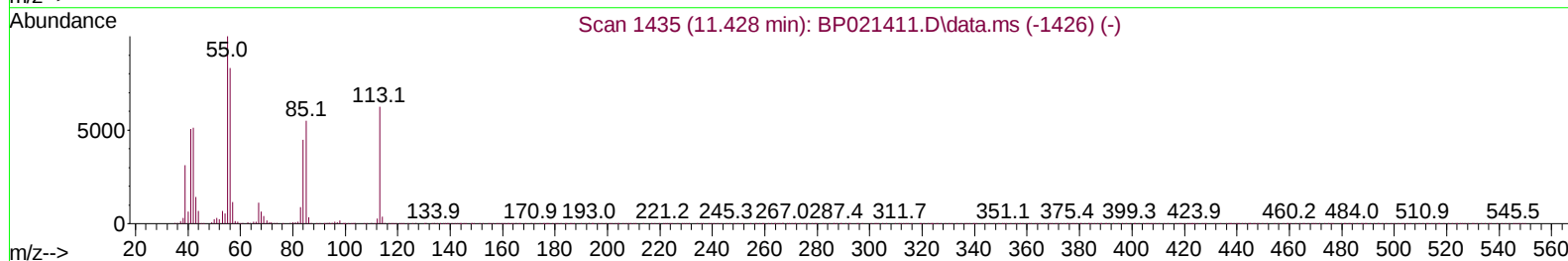
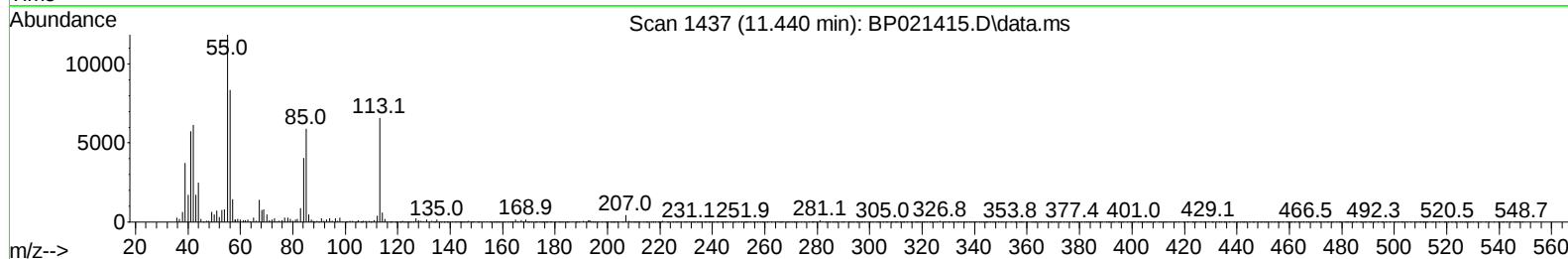
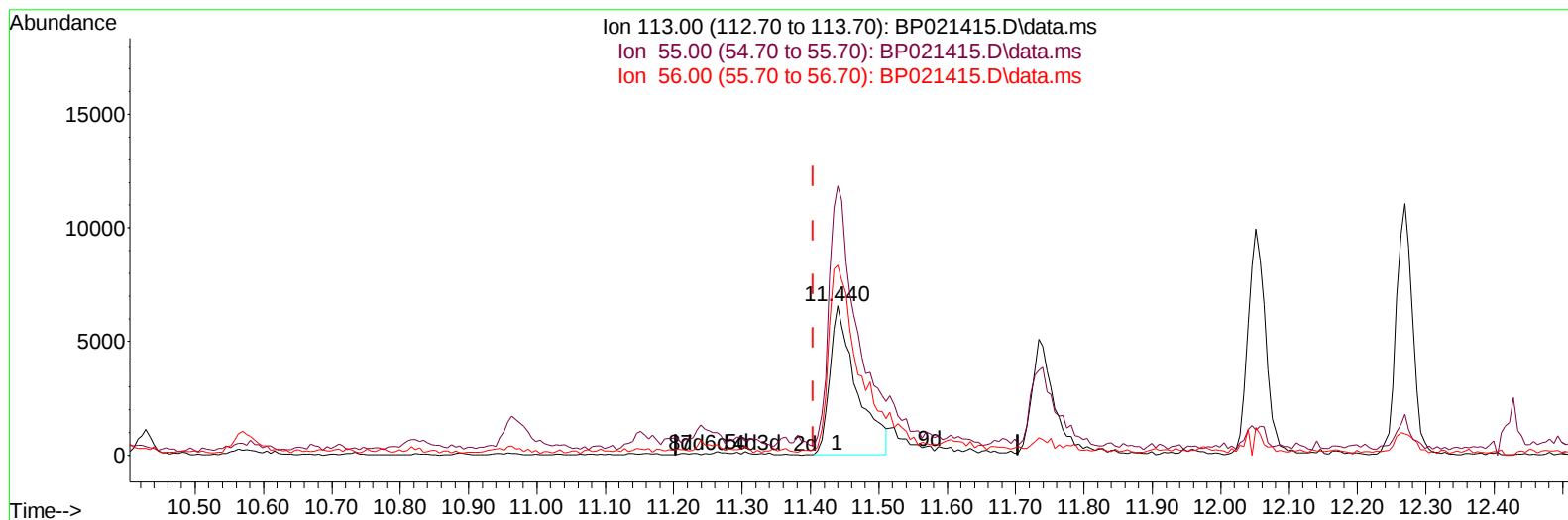
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(34) Caprolactam

11.440min (+ 0.036) 4.87 ng/ul

response 17716

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	175.30	180.17
56.00	131.90	127.33
0.00	0.00	0.00

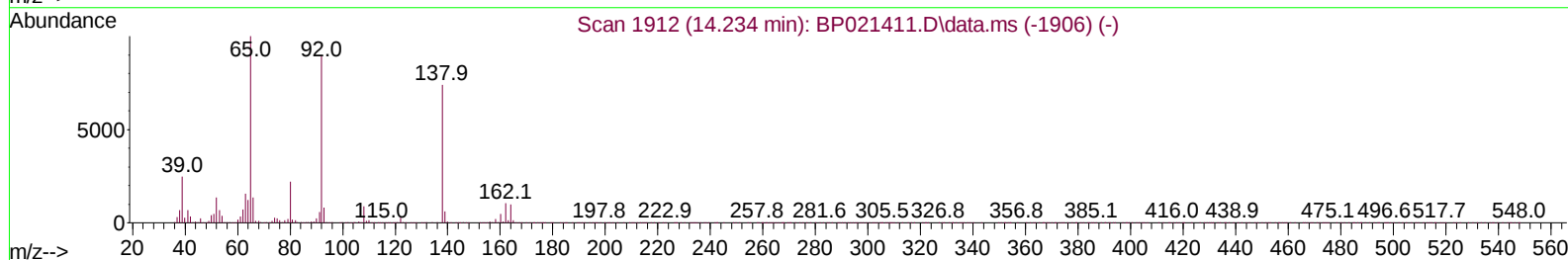
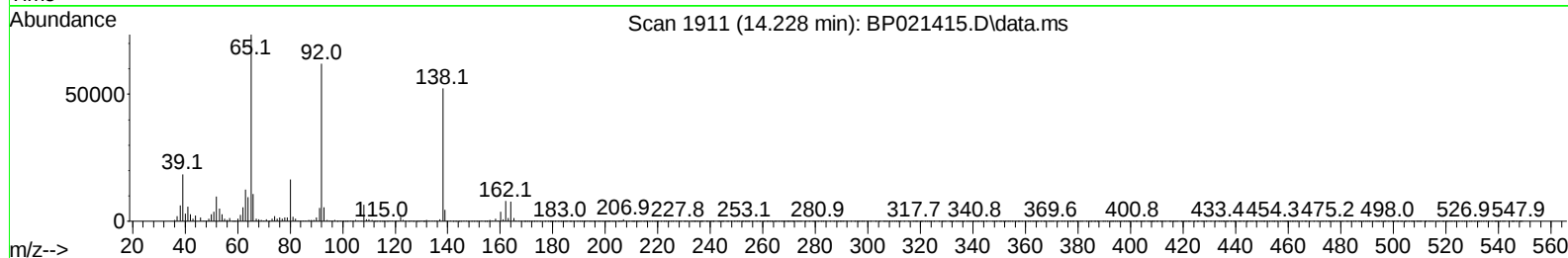
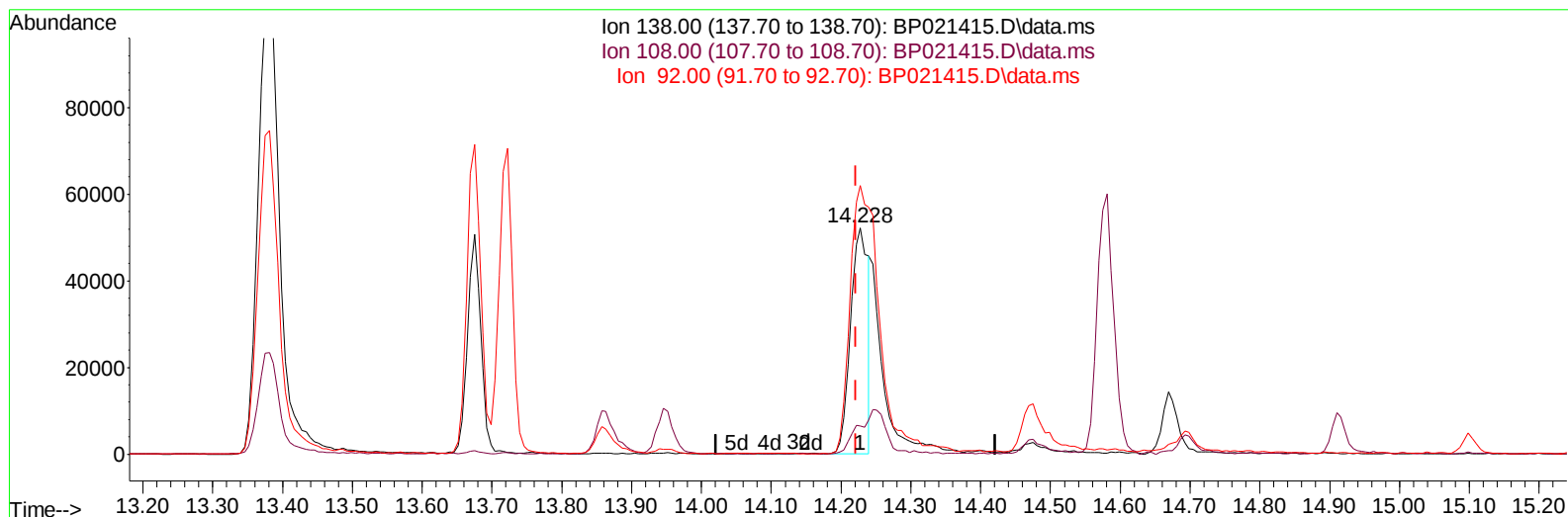
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(51) 3-Nitroaniline

14.228min (+ 0.006) 14.73 ng/ul

response 92214

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	12.30	12.48
92.00	122.50	118.53
0.00	0.00	0.00

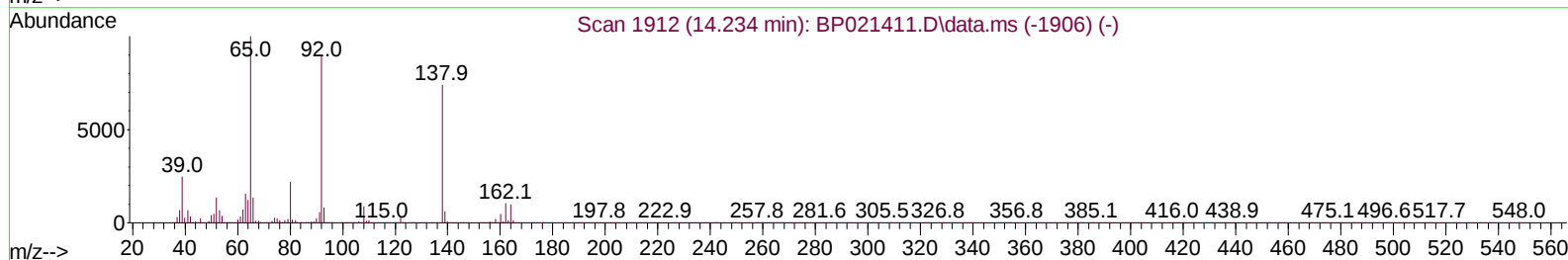
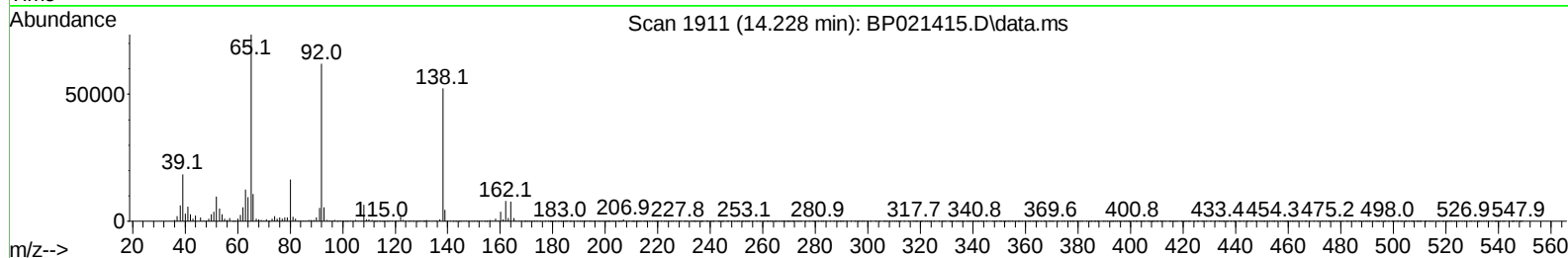
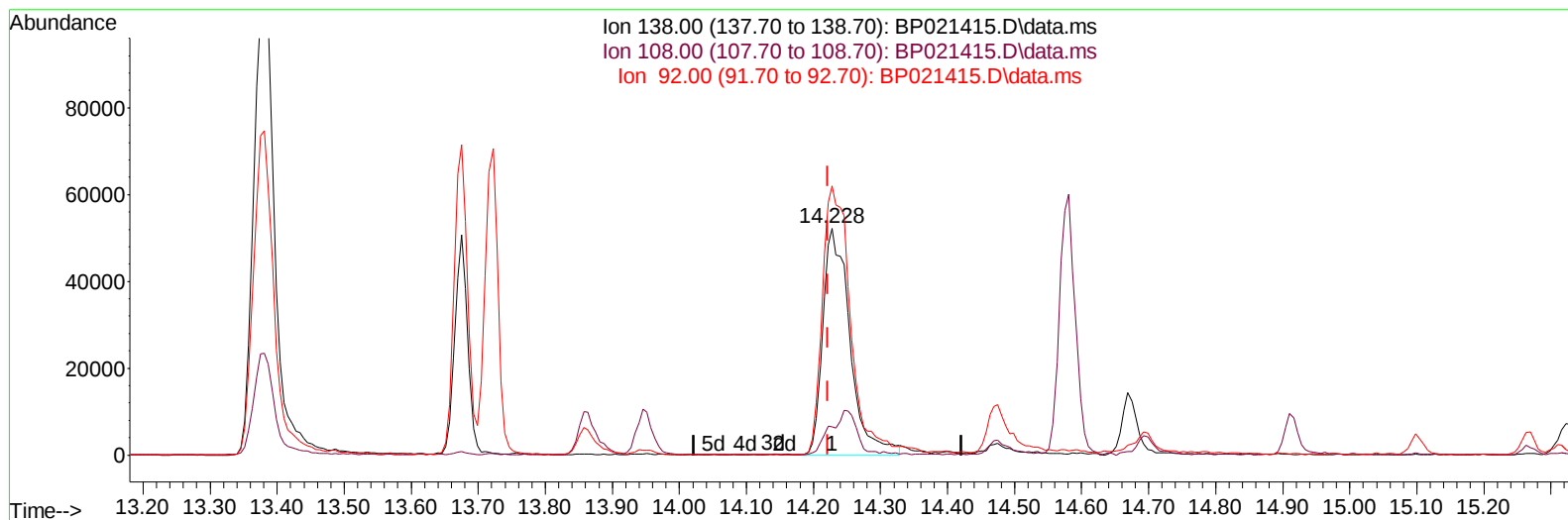
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

(51) 3-Nitroaniline

14.228min (+ 0.006) 23.42 ng/ul m

response 146681

Ion	Exp%	Act%
138.00	100.00	100.00
108.00	12.30	12.48
92.00	122.50	118.53
0.00	0.00	0.00

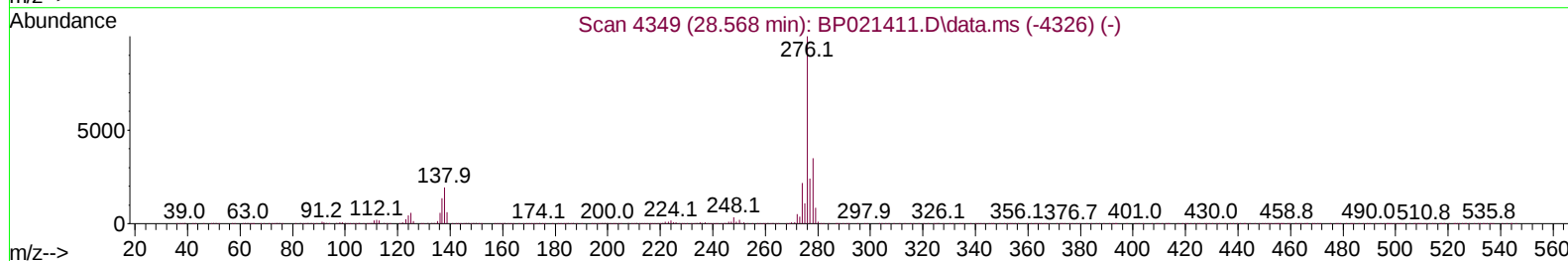
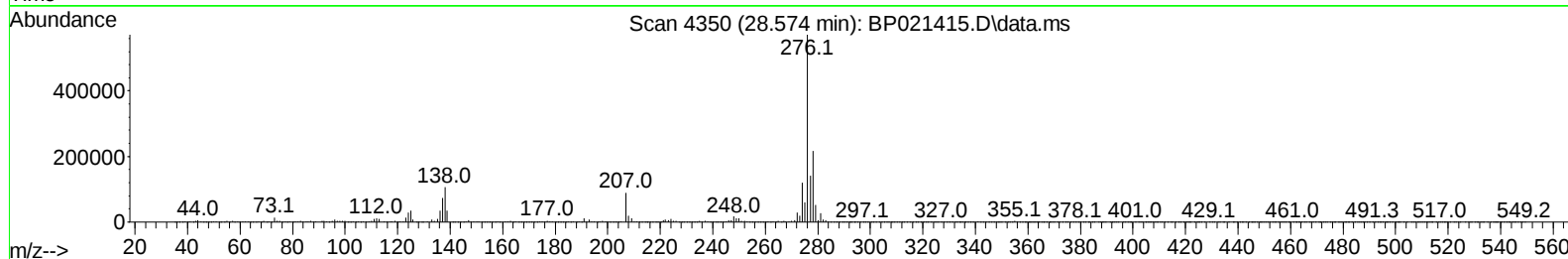
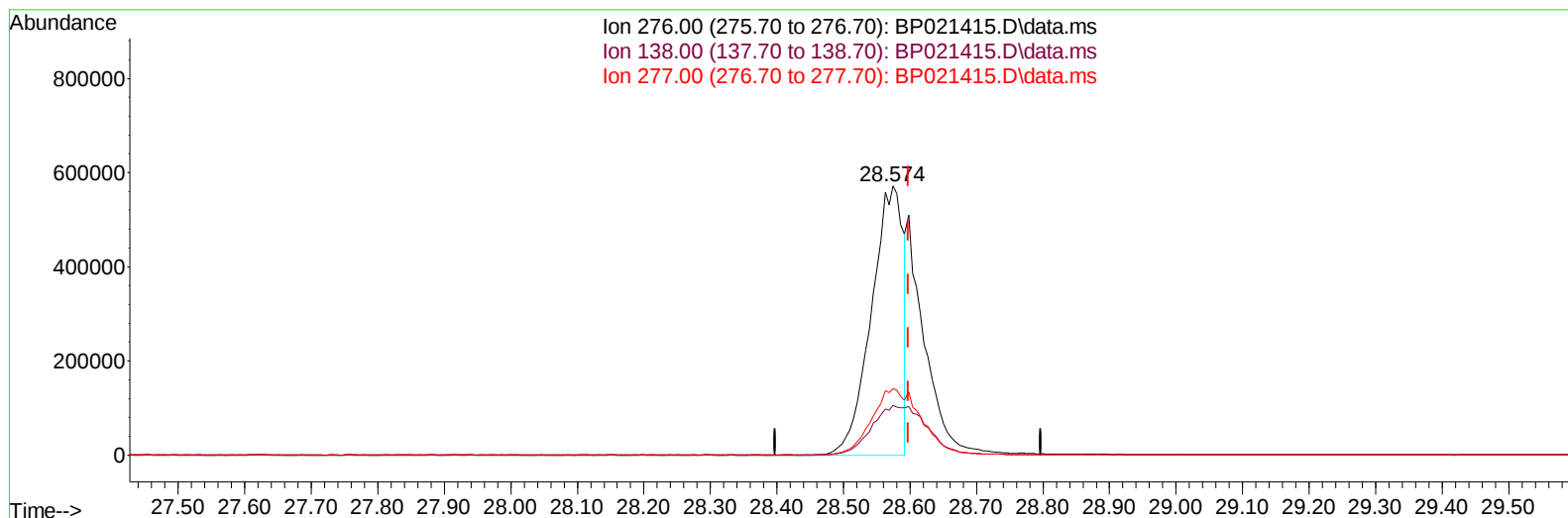
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

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

28.574min (-0.023) 21.22 ng/u1

response 1899022

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	18.52
277.00	24.00	24.71
0.00	0.00	0.00

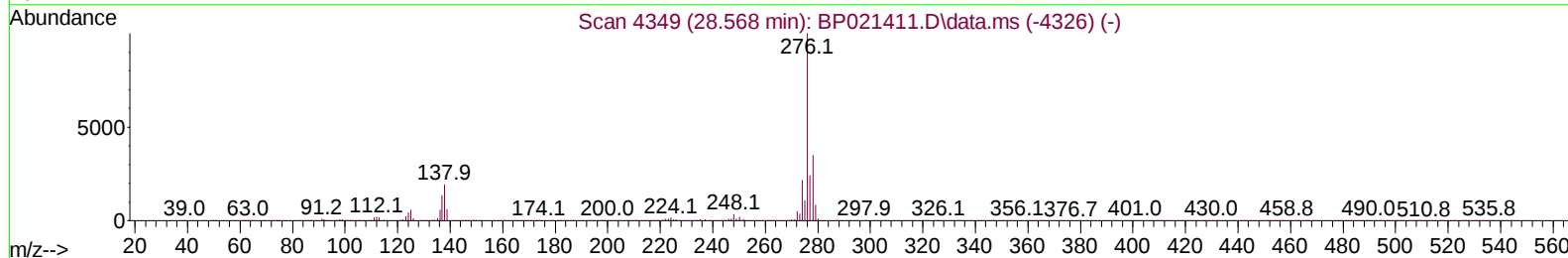
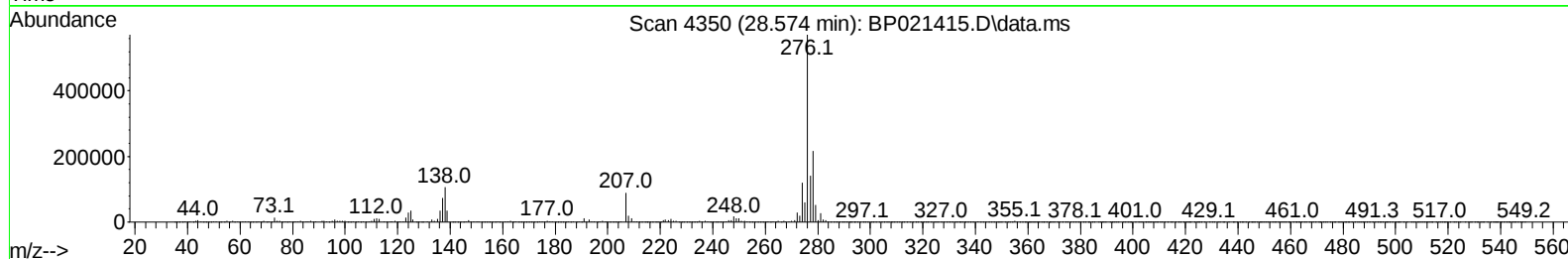
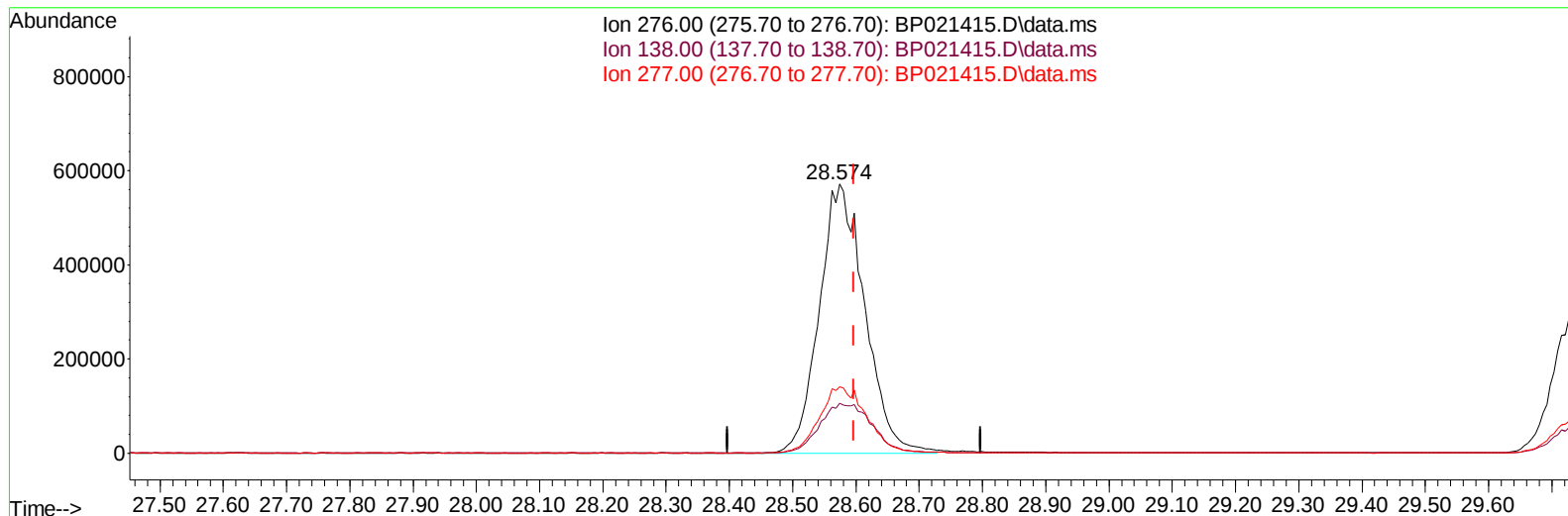
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

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

28.574min (-0.023) 31.81 ng/ul m

response 2847592

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	18.52
277.00	24.00	24.71
0.00	0.00	0.00

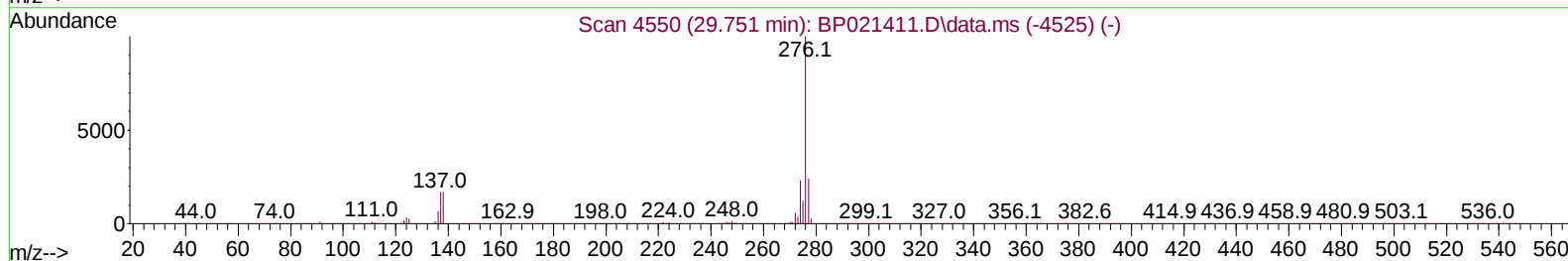
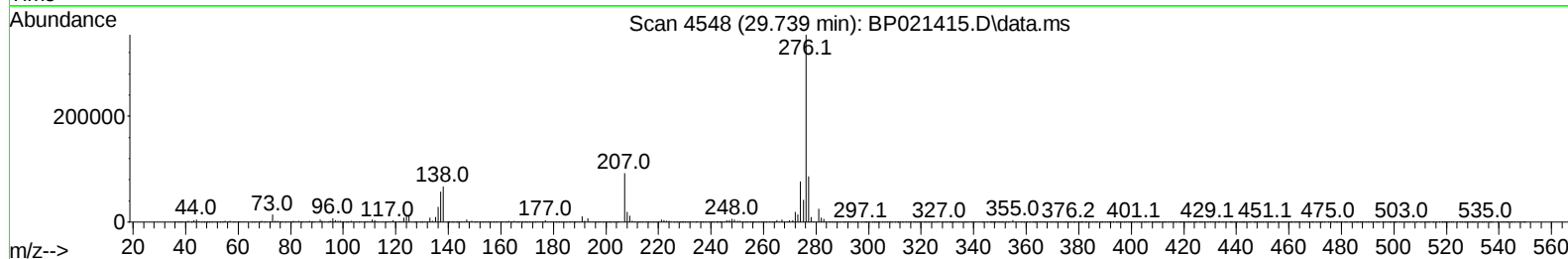
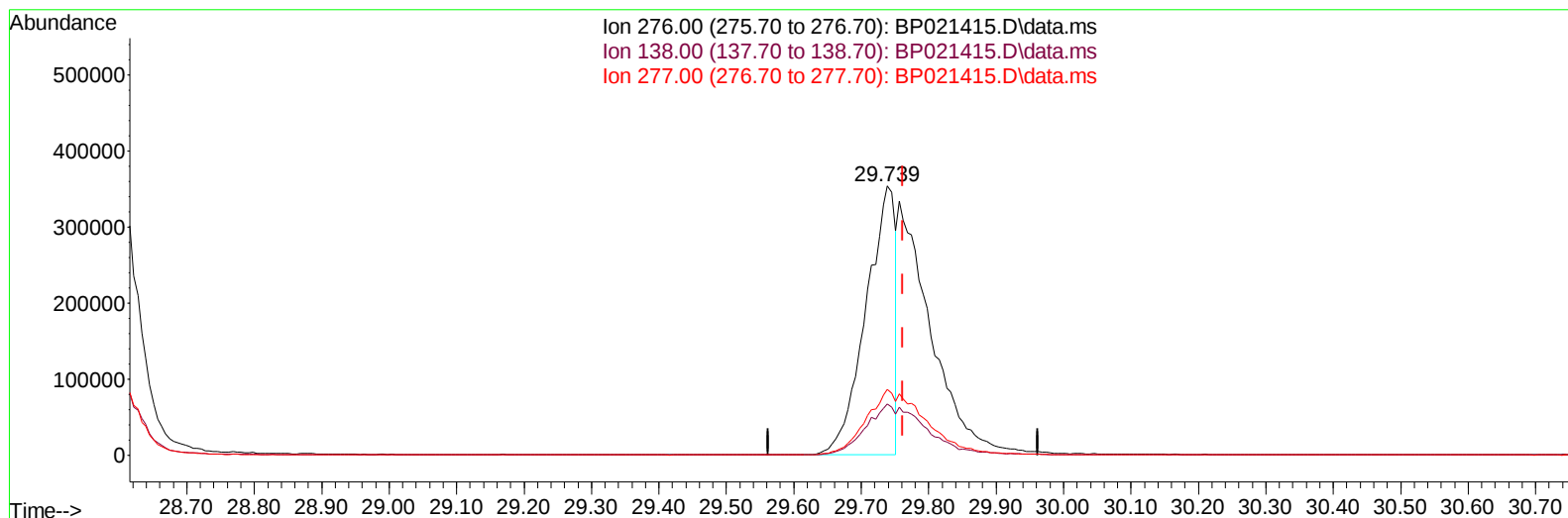
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

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

29.739min (-0.023) 14.60 ng/u1

response 1064475

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	19.10
277.00	22.70	24.39
0.00	0.00	0.00

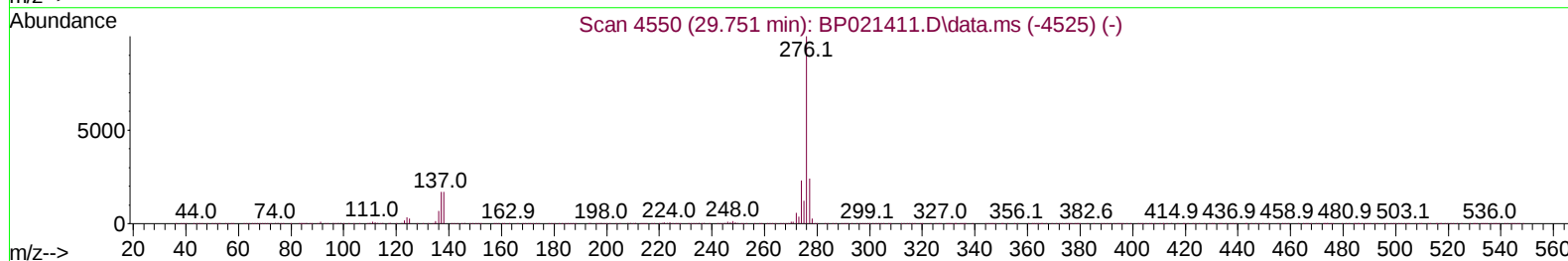
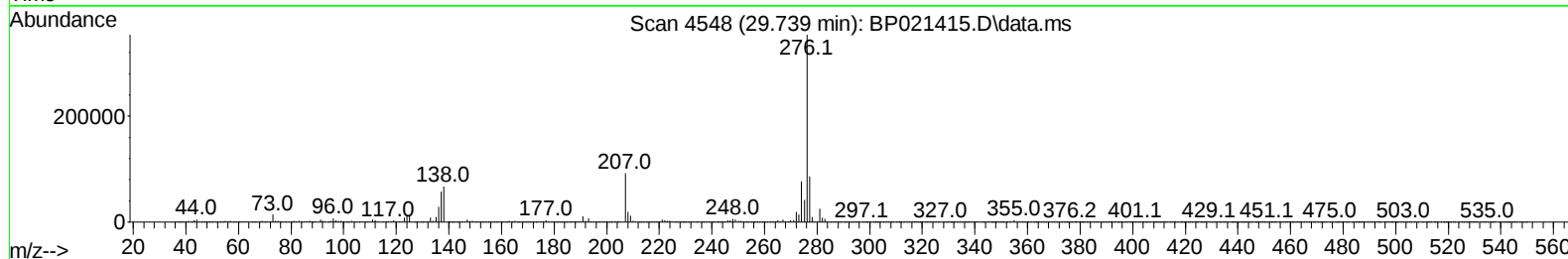
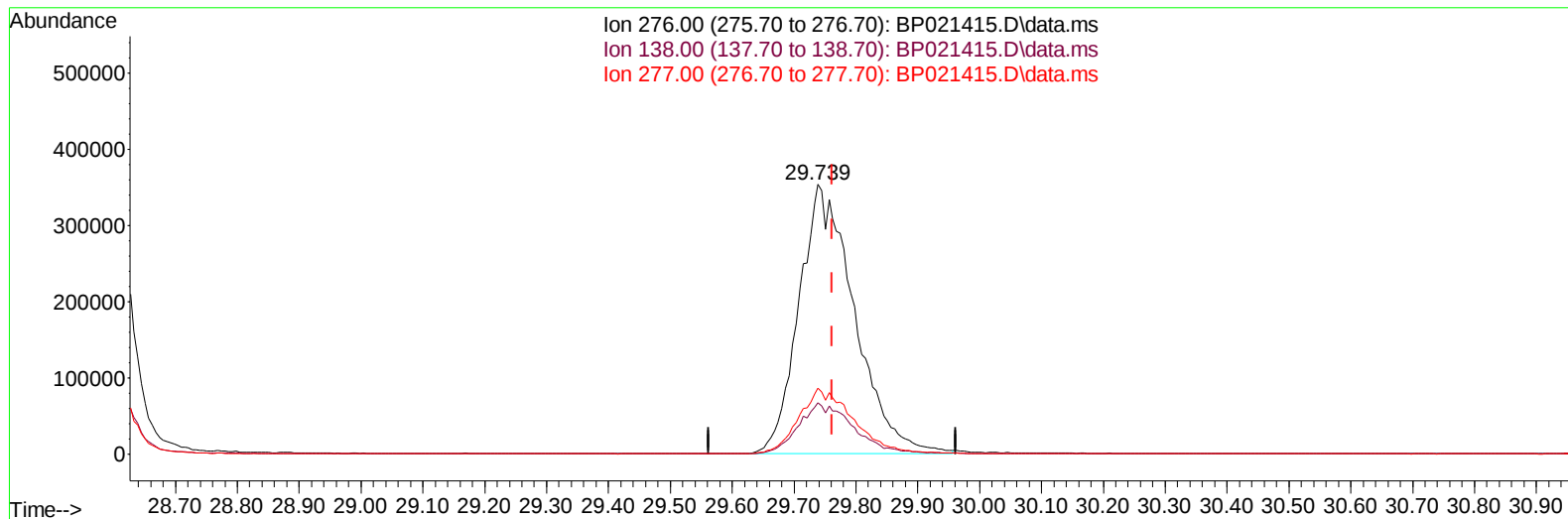
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021415.D
Acq On : 07 Aug 2024 11:11
Operator : CG/JU
Sample : P3401-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:33:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021415.D\data.ms

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

29.739min (-0.023) 30.26 ng/ul m

response 2206113

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	19.10
277.00	22.70	24.39
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:40:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	177805	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.375	136	745275	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.257	164	487991	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.075	188	1051763	20.000	ng/ul	-0.02
79) Chrysene-d12	21.516	240	1045593	20.000	ng/ul	-0.02
88) Perylene-d12	24.821	264	1211299	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	17547	4.491	ng/uL	-0.01
4) Pyridine-d5	3.623	84	29856m	2.639	ng/ul	0.03
7) Phenol-d5	6.864	99	102079	7.042	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	6.981	67	221018	25.159	ng/ul	0.00
11) 2-Chlorophenol-d4	7.175	132	265621	22.240	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113	188580	15.663	ng/ul	0.00
21) Nitrobenzene-d5	8.793	128	125907	21.751	ng/ul	0.00
24) 2-Nitrophenol-d4	9.505	143	169707	25.614	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.058	165	309225	25.811	ng/ul	0.00
31) 4-Chloroaniline-d4	10.569	131	178752	11.263	ng/ul	0.01
46) Dimethylphthalate-d6	13.675	166	1073652	30.266	ng/ul	0.00
49) Acenaphthylene-d8	13.951	160	1124094	28.220	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.622	143	47132m	9.338	ng/ul	0.04
60) Fluorene-d10	15.269	176	834205	28.664	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.457	200	187081	29.398	ng/ul	0.00
73) Anthracene-d10	17.181	188	1522007	32.581	ng/ul	-0.01
81) Pyrene-d10	19.563	212	1669360	25.824	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.580	264	2050243	34.319	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.199	88	18860	4.389	ng/uL	95
5) Pyridine	3.640	79	31043m	2.661	ng/ul	
6) Benzaldehyde	6.805	77	221637	30.328	ng/ul	99
8) Phenol	6.893	94	114358	7.796	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.069	93	282402	23.305	ng/ul	97
12) 2-Chlorophenol	7.211	128	266743	22.284	ng/ul	99
13) 2-Methylphenol	8.099	108	217627	19.184	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.128	45	426898	24.385	ng/ul#	89
16) Acetophenone	8.458	105	466506	25.105	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.428	70	228425	23.461	ng/ul	98
18) 4-Methylphenol	8.434	108	206870	17.022	ng/ul	91
19) Hexachloroethane	8.664	117	115130	21.403	ng/ul	96
22) Nitrobenzene	8.834	77	322158	23.233	ng/ul	98
23) Isophorone	9.340	82	590120	21.407	ng/ul	99
25) 2-Nitrophenol	9.534	139	172687	24.991	ng/ul	98
26) 2,4-Dimethylphenol	9.599	107	318383	23.366	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.816	93	378250	22.573	ng/ul	99
29) 2,4-Dichlorophenol	10.087	162	298788	25.306	ng/ul	98
30) Naphthalene	10.428	128	970897	24.767	ng/ul	99
32) 4-Chloroaniline	10.599	127	171153	11.293	ng/ul	96
33) Hexachlorobutadiene	10.687	225	200190	22.613	ng/ul	98
34) Caprolactam	11.440	113	20918m	5.751	ng/ul	
35) 4-Chloro-3-methylphenol	11.734	107	355125	27.671	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021415.D
 Acq On : 07 Aug 2024 11:11
 Operator : CG/JU
 Sample : P3401-04MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E1GG3MS

Manual IntegrationsAPPROVED

Quant Time: Aug 07 12:40:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.052	142	698011	25.939	ng/ul	98
37) 1-Methylnaphthalene	12.269	142	694451	25.092	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.422	216	414942	26.183	ng/ul	96
40) Hexachlorocyclopentadiene	12.375	237	54397	6.561	ng/ul	97
41) 2,4,6-Trichlorophenol	12.699	196	279322	27.893	ng/ul	98
42) 2,4,5-Trichlorophenol	12.799	196	311555	29.405	ng/ul	98
43) 1,1'-Biphenyl	13.069	154	962699	26.994	ng/ul	97
44) 2-Chloronaphthalene	13.122	162	758775	26.651	ng/ul	99
45) 2-Nitroaniline	13.375	65	231863	29.449	ng/ul	92
47) Dimethylphthalate	13.722	163	1040057	28.895	ng/ul	100
48) 2,6-Dinitrotoluene	13.863	165	216039	30.021	ng/ul	99
50) Acenaphthylene	13.981	152	1192364	26.438	ng/ul	99
51) 3-Nitroaniline	14.228	138	146681m	23.423	ng/ul	
52) Acenaphthene	14.322	153	859910	28.727	ng/ul	98
53) 2,4-Dinitrophenol	14.475	184	98770	26.135	ng/ul	99
55) 4-Nitrophenol	14.640	109	17353	4.227	ng/ul	92
56) Dibenzofuran	14.669	168	1210041	29.520	ng/ul	99
57) 2,4-Dinitrotoluene	14.698	165	331087	33.515	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	14.910	232	282053	31.087	ng/ul	99
59) Diethylphthalate	15.098	149	986073	27.412	ng/ul	99
61) Fluorene	15.328	166	921817	27.558	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.310	204	489687	26.979	ng/ul	98
63) 4-Nitroaniline	15.416	138	159733	30.801	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.475	198	198023	29.343	ng/ul	98
67) N-Nitrosodiphenylamine	15.546	169	813978	26.577	ng/ul	99
68) 4-Bromophenyl-phenylether	16.234	248	351504	28.513	ng/ul	99
69) Hexachlorobenzene	16.351	284	415571	29.400	ng/ul	98
70) Atrazine	16.540	200	194815	17.453	ng/ul	100
71) Pentachlorophenol	16.734	266	225500	29.373	ng/ul	97
72) Phenanthrene	17.116	178	1689362	30.963	ng/ul	99
74) Anthracene	17.216	178	1713237	30.801	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	416929	24.767	ng/uL	100
76) Pentachlorobenzene	14.581	250	440739	26.348	ng/uL	99
77) Carbazole	17.522	167	1573423	34.603	ng/ul	99
78) Di-n-butylphthalate	18.075	149	1936278	30.865	ng/ul	100
80) Fluoranthene	19.222	202	1862749	23.861	ng/ul	98
82) Pyrene	19.598	202	1980193	24.927	ng/ul	99
83) Butylbenzylphthalate	20.533	149	922545	27.873	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.433	252	199281	8.341	ng/ul	98
85) Benzo(a)anthracene	21.492	228	2243491	30.630	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.398	149	1587636	33.332	ng/ul	99
87) Chrysene	21.569	228	2110377	31.008	ng/ul	99
89) Di-n-octyl phthalate	22.639	149	2274513	28.425	ng/ul	100
90) Benzo(b)fluoranthene	23.769	252	2357192	32.067	ng/ul	99
91) Benzo(k)fluoranthene	23.839	252	2286783	31.173	ng/ul	99
93) Benzo(a)pyrene	24.663	252	2025263	29.156	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.574	276	2847592m	31.813	ng/ul	
95) Dibenzo(a,h)anthracene	28.615	278	2323432	31.346	ng/ul	98
96) Benzo(g,h,i)perylene	29.739	276	2206113m	30.263	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

E1GG3MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024

