

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036072.D
 Acq On : 13 Jun 2024 20:17
 Operator : SY/MD
 Sample : P2856-02
 Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_N

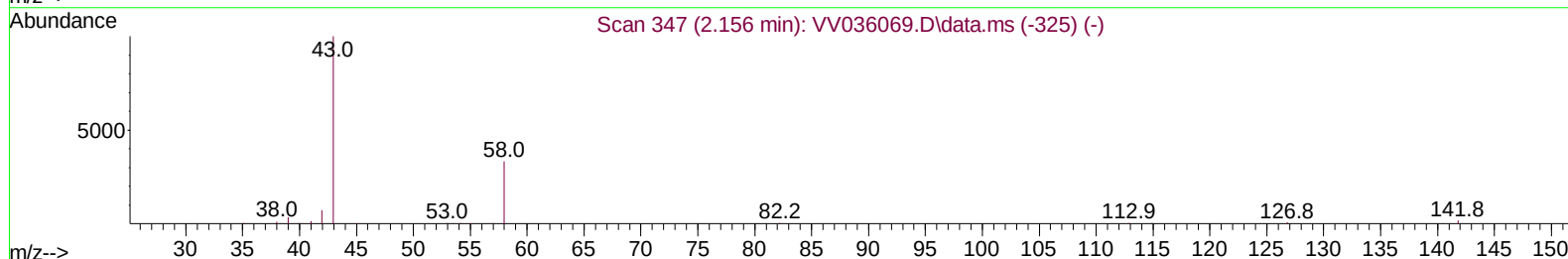
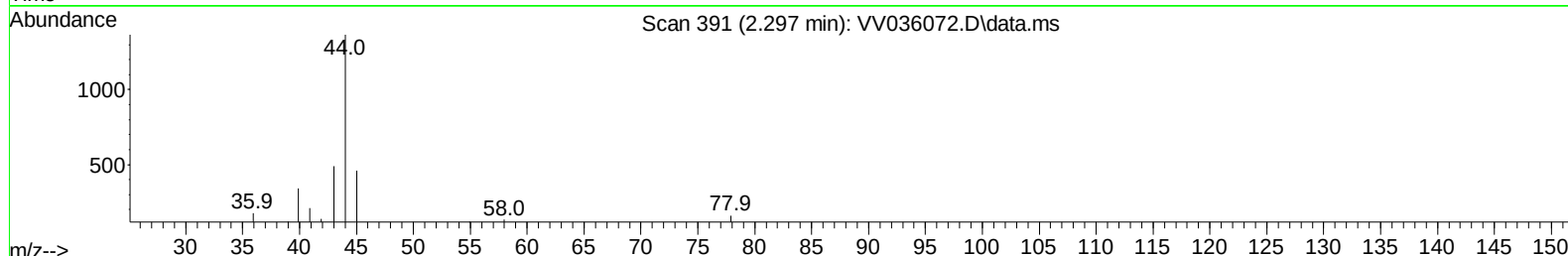
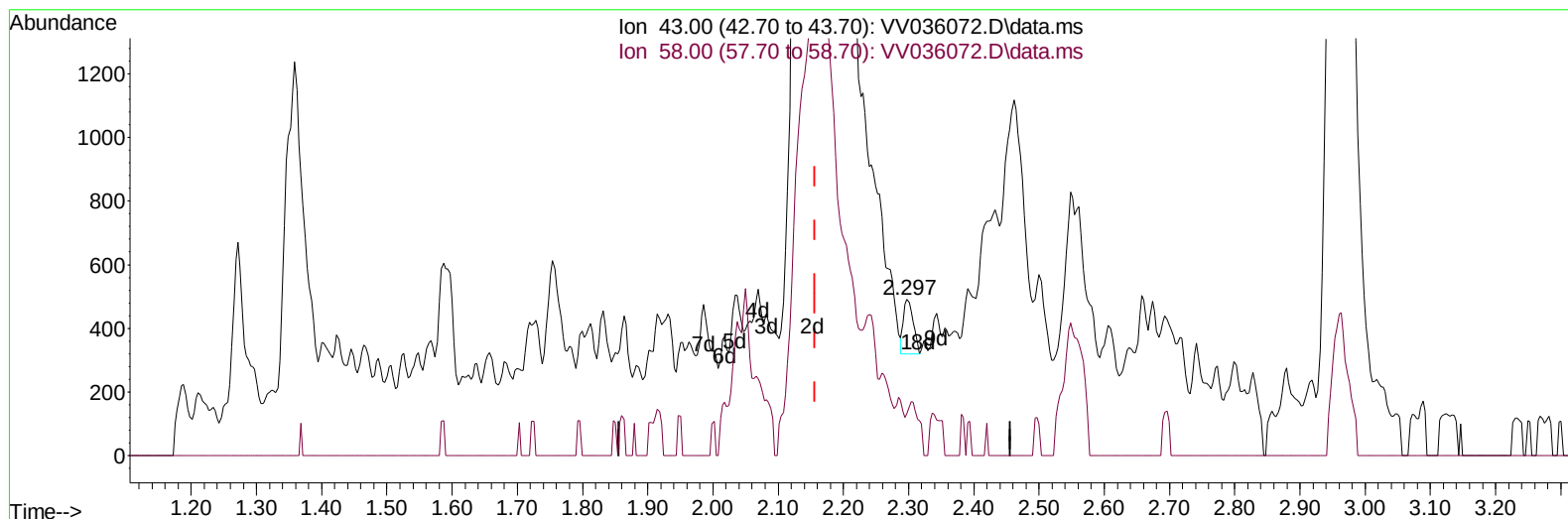
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 03:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/17/2024
 Supervised By :mohammad ahmed 06/18/2024



TIC: VV036072.D\data.ms

(13) Acetone (T)

2.297min (+ 0.141) 0.05 ug/L

response 180

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	12.10	23.89
0.00	0.00	0.00
0.00	0.00	0.00

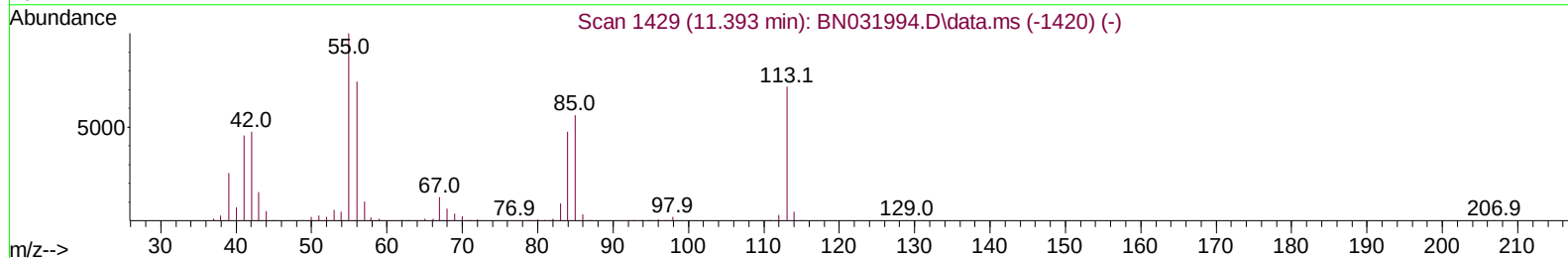
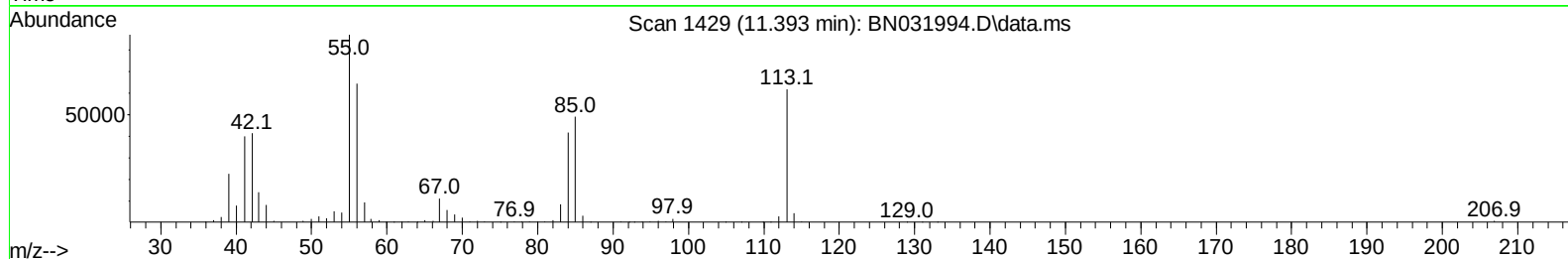
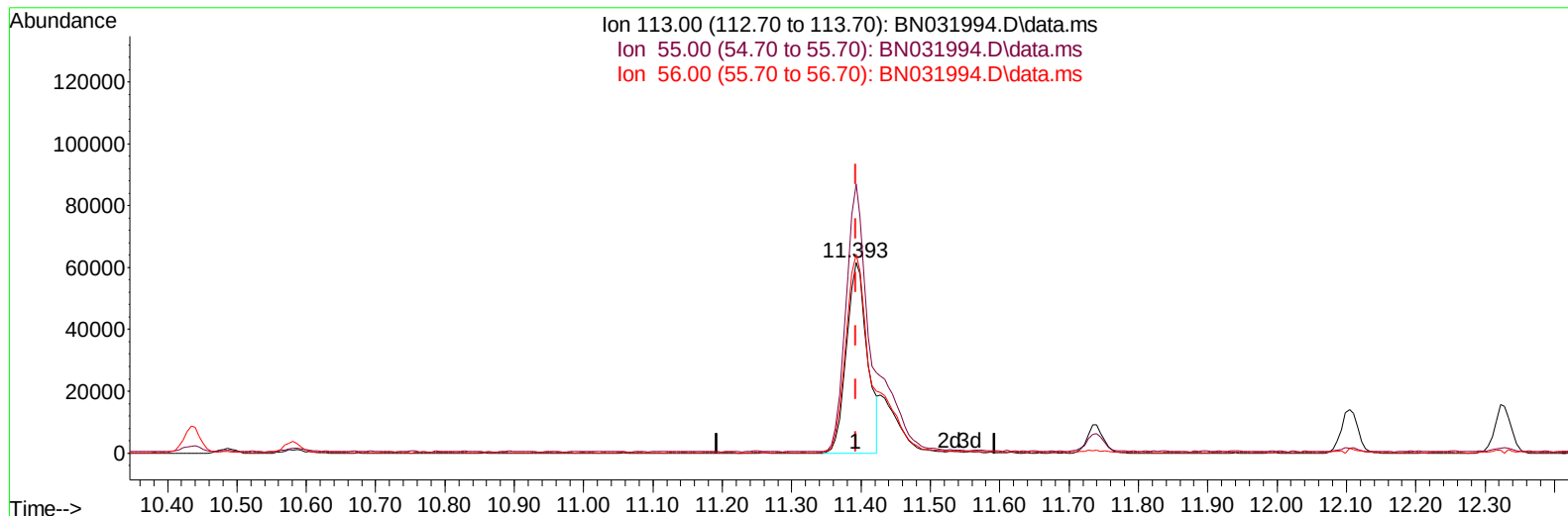
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
Data File : BN031994.D
Acq On : 14 Jun 2024 10:20
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 10:59:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/17/2024
Supervised By :mohammad ahmed 06/18/2024



TIC: BN031994.D\data.ms

(34) Caprolactam

11.393min (+ 0.000) 15.47 ng/ul

response 127623

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	146.50	140.93
56.00	111.70	104.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
 Data File : BN031994.D
 Acq On : 14 Jun 2024 10:20
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

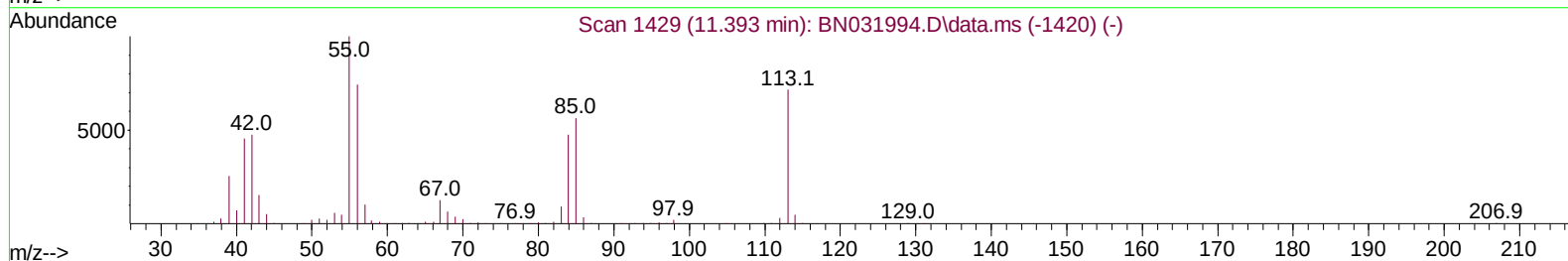
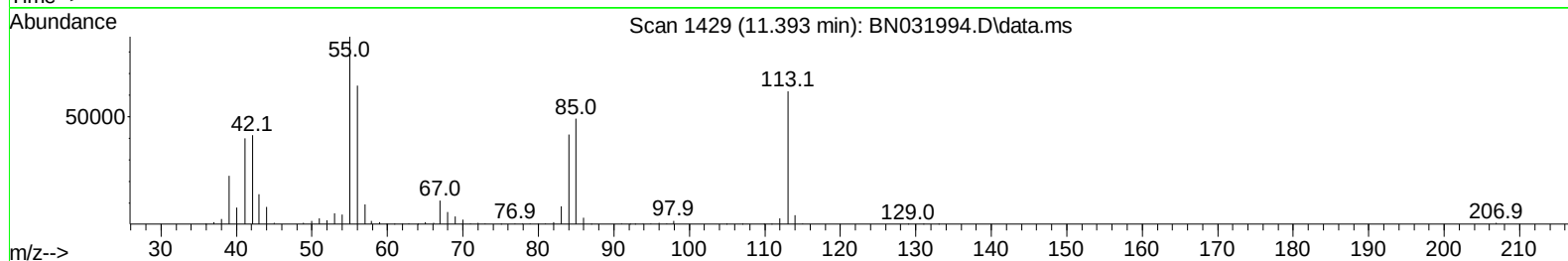
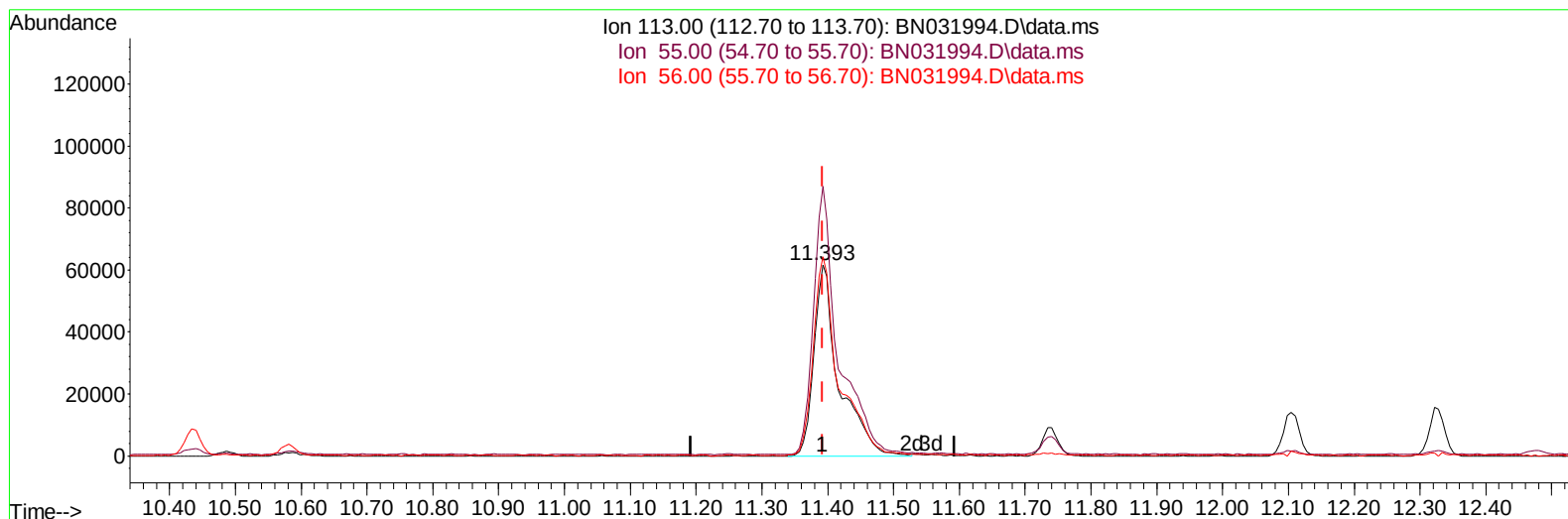
LabSampleId :

SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 10:59:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
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 Supervised By :mohammad ahmed 06/18/2024



TIC: BN031994.D\data.ms

(34) Caprolactam

11.393min (+ 0.000) 19.96 ng/ul m

response 164674

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	146.50	140.93
56.00	111.70	104.29
0.00	0.00	0.00

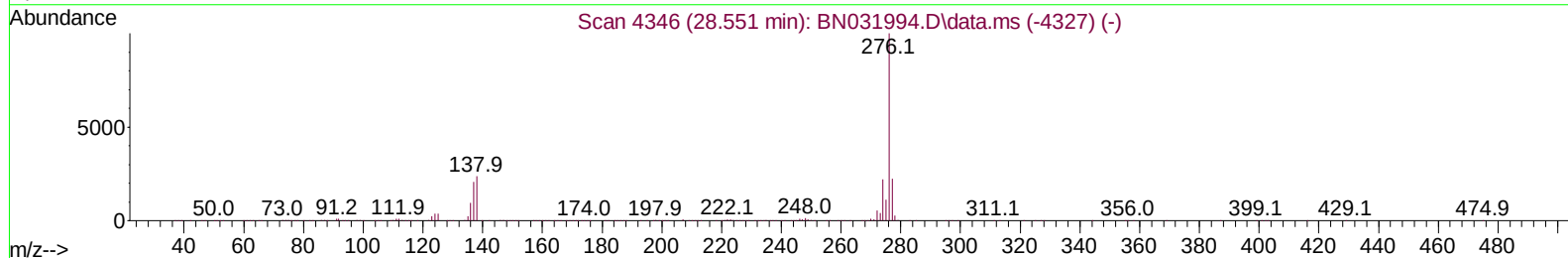
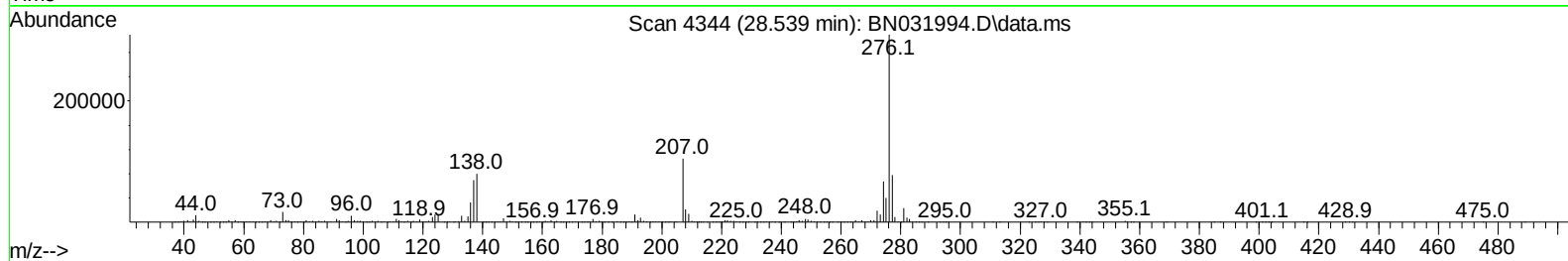
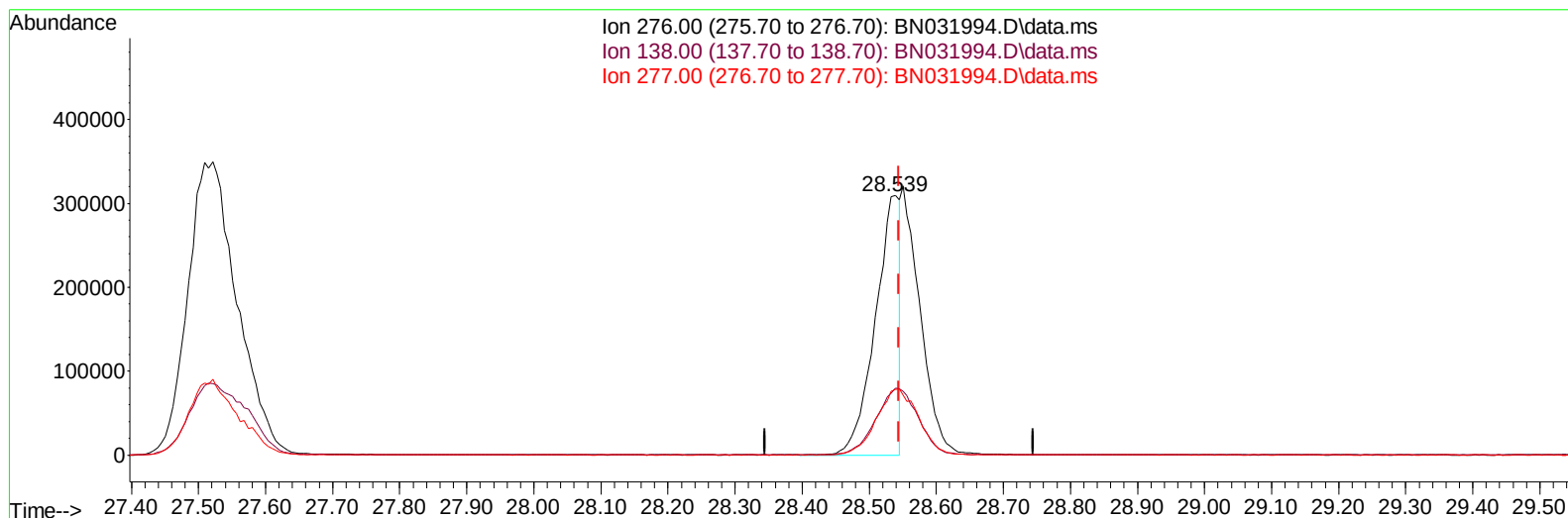
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
Data File : BN031994.D
Acq On : 14 Jun 2024 10:20
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 10:59:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
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Reviewed By :Jagrut Upadhyay 06/17/2024
Supervised By :mohammad ahmed 06/18/2024



TIC: BN031994.D\data.ms

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

28.539min (-0.006) 9.71 ng/uL

response 783551

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.10	25.84
277.00	22.50	25.24
0.00	0.00	0.00

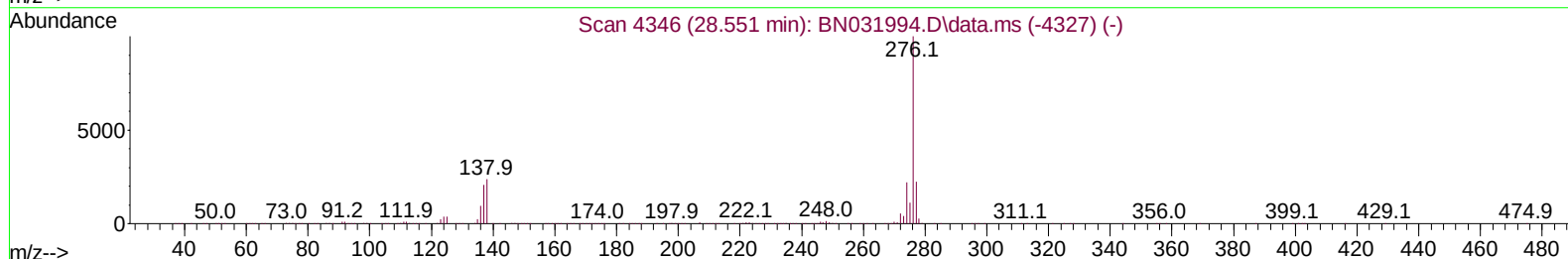
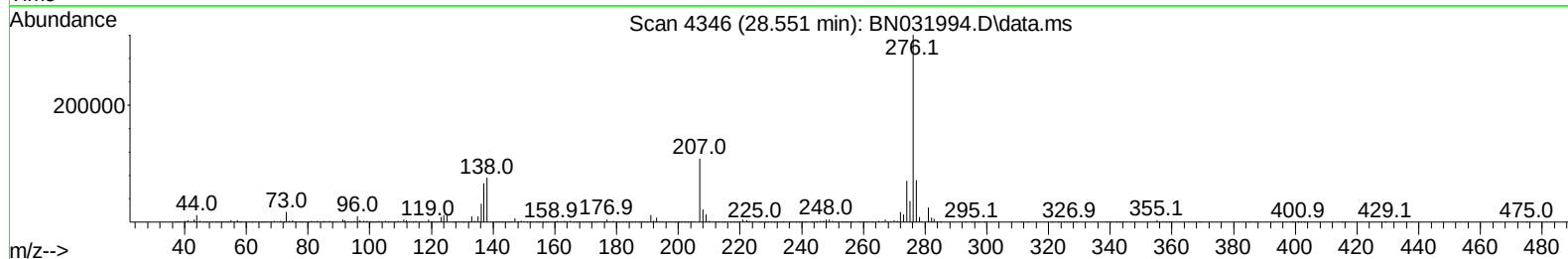
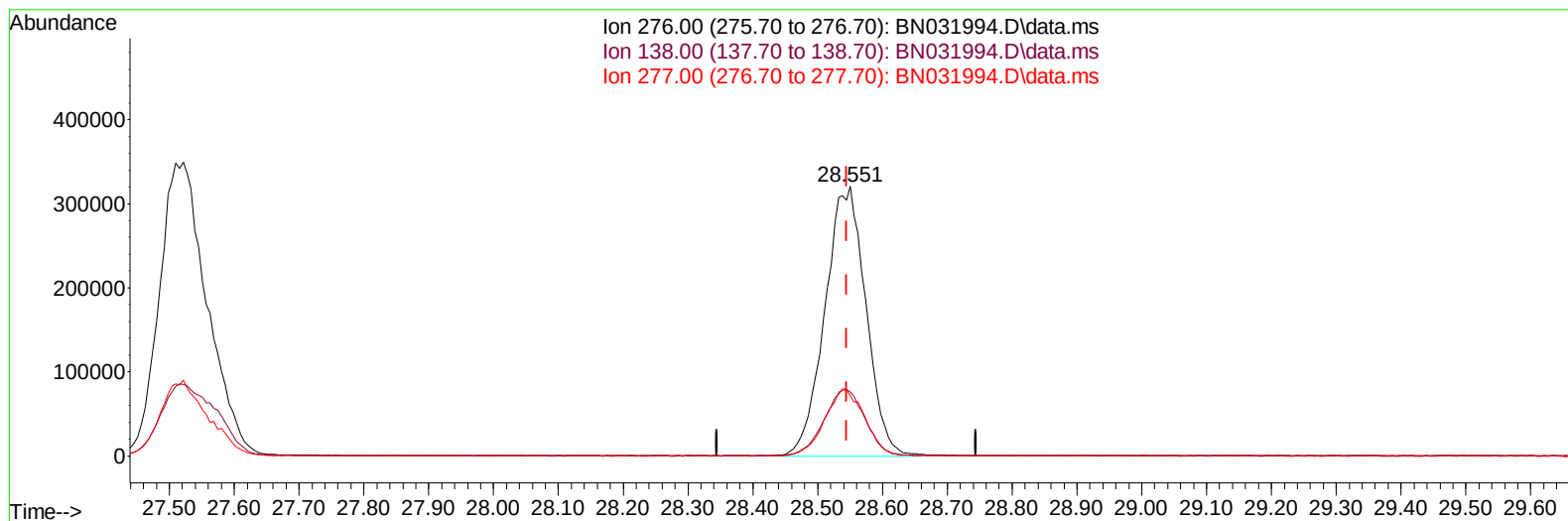
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
Data File : BN031994.D
Acq On : 14 Jun 2024 10:20
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 10:59:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/17/2024
Supervised By :mohammad ahmed 06/18/2024



TIC: BN031994.D\data.ms

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

28.551min (+ 0.006) 17.41 ng/ul m

response 1404519

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.10	23.74
277.00	22.50	22.31
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
 Data File : BN031994.D
 Acq On : 14 Jun 2024 10:20
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 11:00:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/17/2024
 Supervised By :mohammad ahmed 06/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	318922	20.000	ng/ul	0.00
20) Naphthalene-d8	10.434	136	1451621	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.298	164	988750	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.051	188	2091236	20.000	ng/ul	0.00
79) Chrysene-d12	21.292	240	1747961	20.000	ng/ul	0.00
88) Perylene-d12	24.221	264	1573099	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	54788	7.107	ng/uL	0.00
4) Pyridine-d5	3.581	84	397258	18.307	ng/ul	0.00
7) Phenol-d5	6.834	99	510404	18.668	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.999	67	298603	18.672	ng/ul	0.00
11) 2-Chlorophenol-d4	7.187	132	403203	19.328	ng/ul	0.00
15) 4-Methylphenol-d8	8.363	113	427307	19.173	ng/ul	0.00
21) Nitrobenzene-d5	8.810	128	219953	19.817	ng/ul	0.00
24) 2-Nitrophenol-d4	9.528	143	244502	21.326	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	422930	19.759	ng/ul	0.00
31) 4-Chloroaniline-d4	10.581	131	604514	19.022	ng/ul	0.00
46) Dimethylphthalate-d6	13.716	166	1352847	19.640	ng/ul	0.00
49) Acenaphthylene-d8	13.992	160	1534482	19.374	ng/ul	0.00
54) 4-Nitrophenol-d4	14.528	143	263039	19.072	ng/ul	0.00
60) Fluorene-d10	15.298	176	1143742	19.624	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	225037	21.409	ng/ul	0.00
73) Anthracene-d10	17.151	188	1744821	19.489	ng/ul	0.00
81) Pyrene-d10	19.451	212	1903613	20.351	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.021	264	1466343	19.521	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.211	88	59219	7.180	ng/uL	97
5) Pyridine	3.599	79	388498	17.905	ng/ul	99
6) Benzaldehyde	6.805	77	256434	19.997	ng/ul	99
8) Phenol	6.858	94	516985	18.580	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.087	93	438802	19.072	ng/ul	97
12) 2-Chlorophenol	7.222	128	425467	19.489	ng/ul	98
13) 2-Methylphenol	8.099	108	408167	18.993	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.175	45	514448	19.424	ng/ul	99
16) Acetophenone	8.475	105	678025	20.074	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.463	70	343682	19.636	ng/ul	96
18) 4-Methylphenol	8.428	108	452816	19.437	ng/ul	98
19) Hexachloroethane	8.716	117	179891	19.459	ng/ul	98
22) Nitrobenzene	8.852	77	503687	19.047	ng/ul	99
23) Isophorone	9.375	82	1033644	19.055	ng/ul	99
25) 2-Nitrophenol	9.557	139	261298	20.860	ng/ul	97
26) 2,4-Dimethylphenol	9.622	107	469005	19.247	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.857	93	636585	18.830	ng/ul	97
29) 2,4-Dichlorophenol	10.093	162	414170	19.597	ng/ul	98
30) Naphthalene	10.487	128	1440179	19.170	ng/ul	100
32) 4-Chloroaniline	10.604	127	592171	19.193	ng/ul	97
33) Hexachlorobutadiene	10.763	225	251200	19.790	ng/ul	93
34) Caprolactam	11.393	113	164674m	19.962	ng/ul	
35) 4-Chloro-3-methylphenol	11.740	107	488145	19.760	ng/ul	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061424\
 Data File : BN031994.D
 Acq On : 14 Jun 2024 10:20
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 14 11:00:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/17/2024
 Supervised By :mohammad ahmed 06/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.104	142	1000164	19.477	ng/ul	99
37) 1-Methylnaphthalene	12.328	142	1007686	19.557	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.475	216	498664	19.070	ng/ul	98
40) Hexachlorocyclopentadiene	12.445	237	343173	22.770	ng/ul	100
41) 2,4,6-Trichlorophenol	12.728	196	345846	19.486	ng/ul	99
42) 2,4,5-Trichlorophenol	12.804	196	374306	19.407	ng/ul	99
43) 1,1'-Biphenyl	13.128	154	1314755	18.905	ng/ul	97
44) 2-Chloronaphthalene	13.169	162	1033044	18.965	ng/ul	97
45) 2-Nitroaniline	13.387	65	311093	19.702	ng/ul	94
47) Dimethylphthalate	13.763	163	1394832	19.800	ng/ul	100
48) 2,6-Dinitrotoluene	13.892	165	289448	20.671	ng/ul	97
50) Acenaphthylene	14.022	152	1714606	19.155	ng/ul	99
51) 3-Nitroaniline	14.222	138	292884	19.563	ng/ul	98
52) Acenaphthene	14.363	153	1136667	19.192	ng/ul	98
53) 2,4-Dinitrophenol	14.434	184	152297	21.544	ng/ul	98
55) 4-Nitrophenol	14.540	109	198039	19.357	ng/ul	97
56) Dibenzofuran	14.704	168	1548233	19.241	ng/ul	98
57) 2,4-Dinitrotoluene	14.681	165	416600	20.276	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.934	232	324398	20.108	ng/ul	98
59) Diethylphthalate	15.134	149	1443810	19.862	ng/ul	99
61) Fluorene	15.351	166	1280300	19.758	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.351	204	621806	19.812	ng/ul	98
63) 4-Nitroaniline	15.387	138	288623	20.251	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.445	198	238950	21.384	ng/ul	95
67) N-Nitrosodiphenylamine	15.569	169	1110525	19.266	ng/ul	99
68) 4-Bromophenyl-phenylether	16.245	248	397036	19.595	ng/ul	93
69) Hexachlorobenzene	16.351	284	450945	19.636	ng/ul	99
70) Atrazine	16.528	200	330491	18.159	ng/ul	94
71) Pentachlorophenol	16.704	266	278125	18.929	ng/ul	98
72) Phenanthrene	17.092	178	2020923	18.970	ng/ul	98
74) Anthracene	17.186	178	2071911	19.194	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.093	216	504440	18.741	ng/uL	96
76) Pentachlorobenzene	14.616	250	515834	19.675	ng/uL	98
77) Carbazole	17.463	167	1895453	20.593	ng/ul	99
78) Di-n-butylphthalate	18.022	149	2515760	19.867	ng/ul	100
80) Fluoranthene	19.116	202	2359806	21.110	ng/ul	100
82) Pyrene	19.480	202	2335845	20.366	ng/ul	96
83) Butylbenzylphthalate	20.386	149	1083359	19.999	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.204	252	649690	19.382	ng/ul	99
85) Benzo(a)anthracene	21.274	228	2196304	18.772	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.198	149	1491420	18.887	ng/ul	98
87) Chrysene	21.333	228	2047100	18.732	ng/ul	97
89) Di-n-octyl phthalate	22.304	149	2386135	22.657	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	1897448	20.180	ng/ul	96
91) Benzo(k)fluoranthene	23.357	252	1908826	20.688	ng/ul	98
93) Benzo(a)pyrene	24.080	252	1666935	18.928	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.521	276	1793000	17.668	ng/ul	95
95) Dibenzo(a,h)anthracene	27.574	278	1495086	18.045	ng/ul	95
96) Benzo(g,h,i)perylene	28.551	276	1404519m	17.411	ng/ul	

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

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/17/2024
Supervised By :mohammad ahmed 06/18/2024

