

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
 Data File : BP021297.D
 Acq On : 01 Aug 2024 20:21
 Operator : CG/JU
 Sample : P3264-26MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CN0MSD

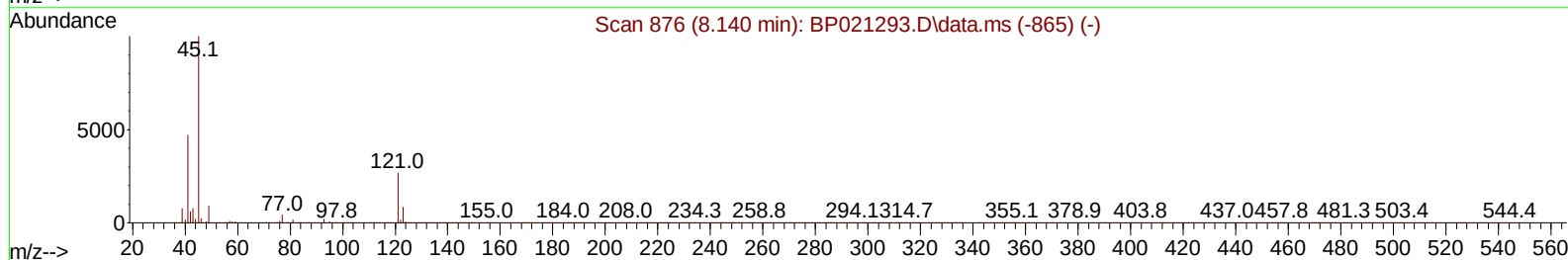
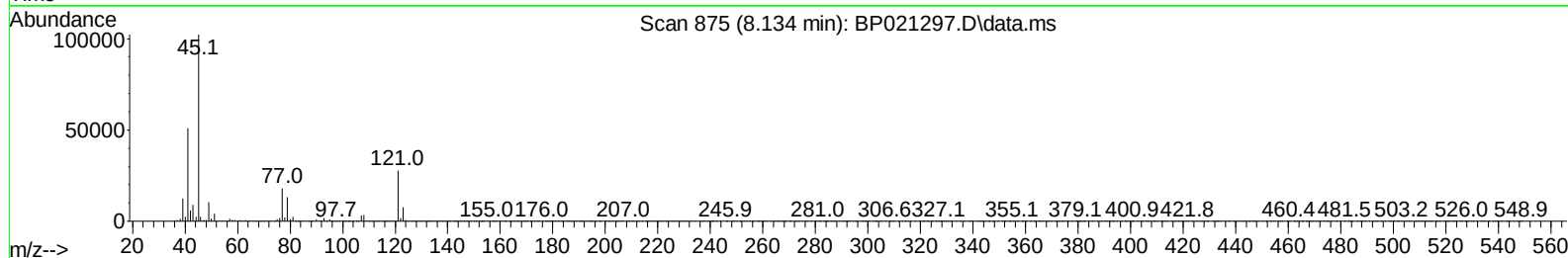
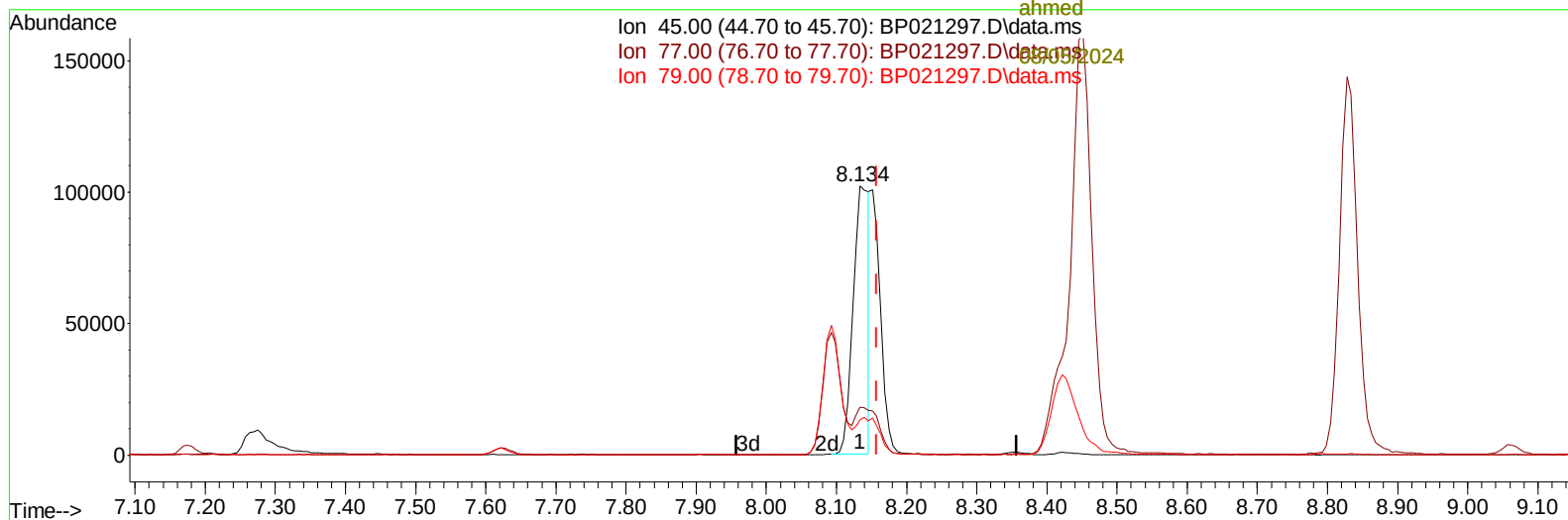
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/05/2024

Quant Time: Aug 01 22:47:19 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

08/03/2024
 Supervised By :mohammad
 ahmed

Ion 45.00 (44.70 to 45.70): BP021297.D\data.ms
 Ion 77.00 (76.70 to 77.70): BP021297.D\data.ms
 Ion 79.00 (78.70 to 79.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

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

8.134min (-0.023) 10.58 ng/u1

response 160857

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	13.60	17.72#
79.00	10.10	13.03#
0.00	0.00	0.00

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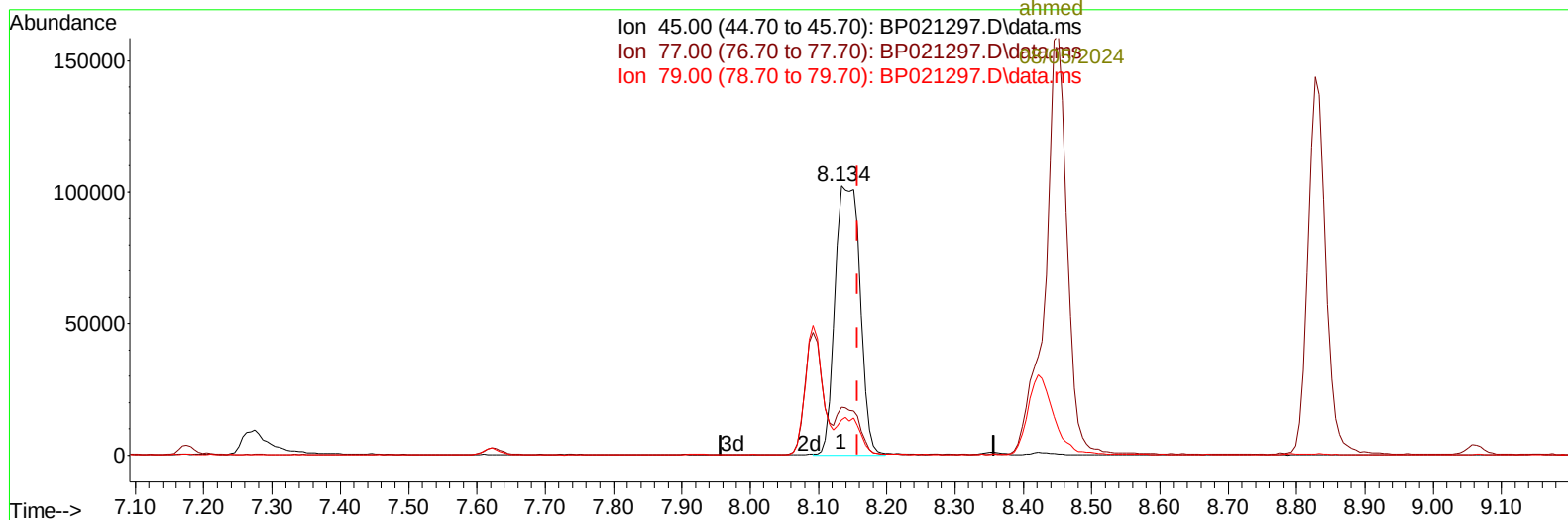
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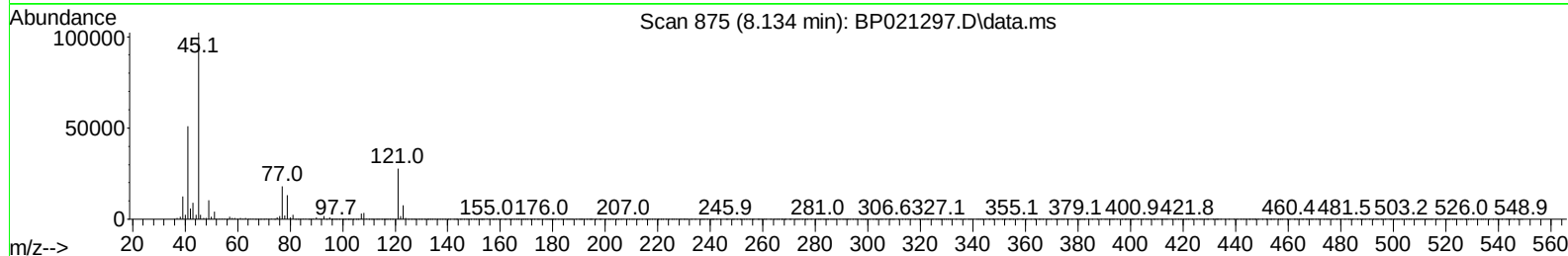
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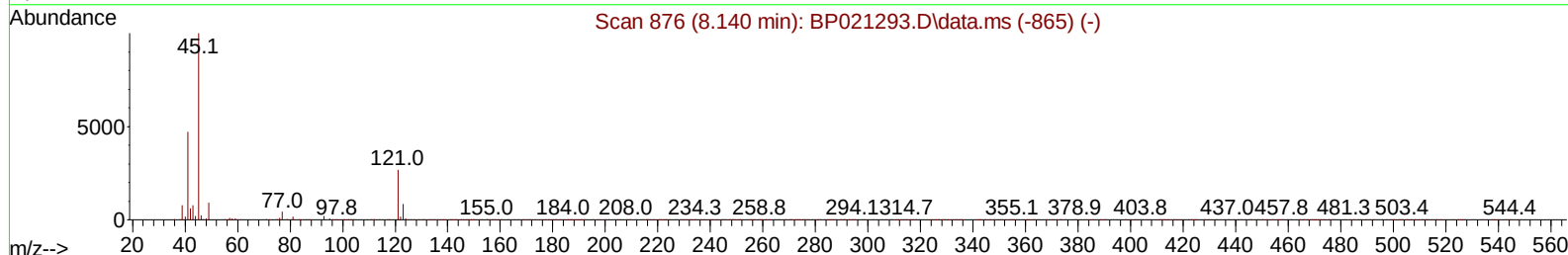
Ion 45.00 (44.70 to 45.70): BP021297.D\data.ms
 Ion 77.00 (76.70 to 77.70): BP021297.D\data.ms
 Ion 79.00 (78.70 to 79.70): BP021297.D\data.ms



Scan 875 (8.134 min): BP021297.D\data.ms



Scan 876 (8.140 min): BP021293.D\data.ms (-865) (-)



TIC: BP021297.D\data.ms

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

8.134min (-0.023) 17.18 ng/ul m

response 261287

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	13.60	17.72#
79.00	10.10	13.03#
0.00	0.00	0.00

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ALS Vial : 6 Sample Multiplier: 1

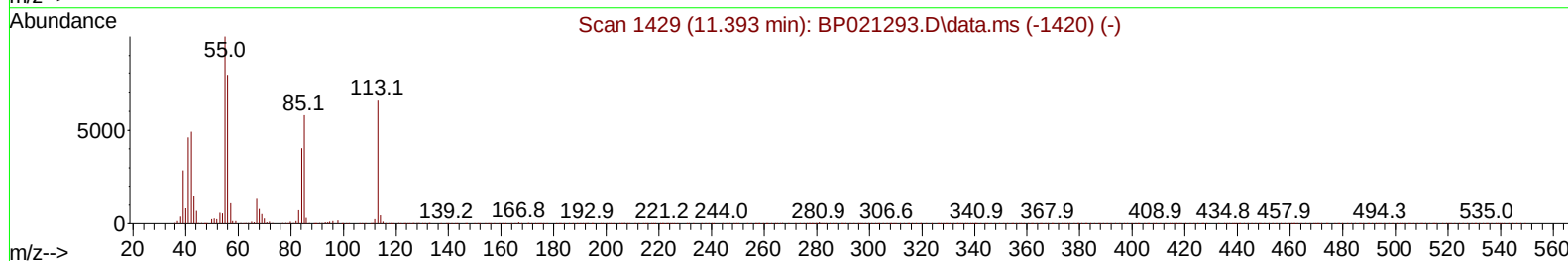
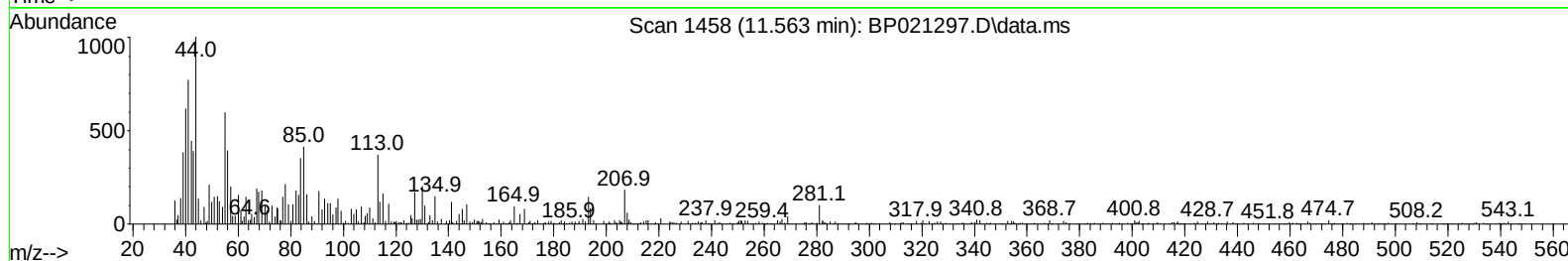
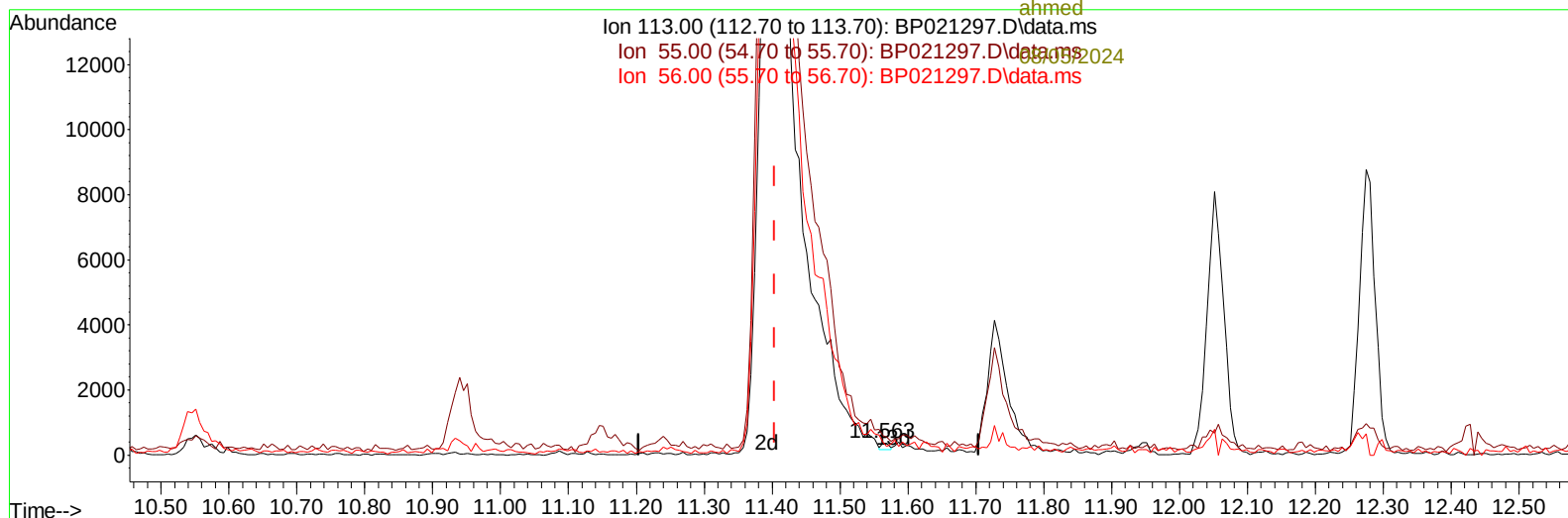
Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

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TIC: BP021297.D\data.ms

(34) Caprolactam

11.563min (+ 0.159) 0.06 ng/ul

response 173

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	175.30	161.73
56.00	131.90	106.47
0.00	0.00	0.00

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Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

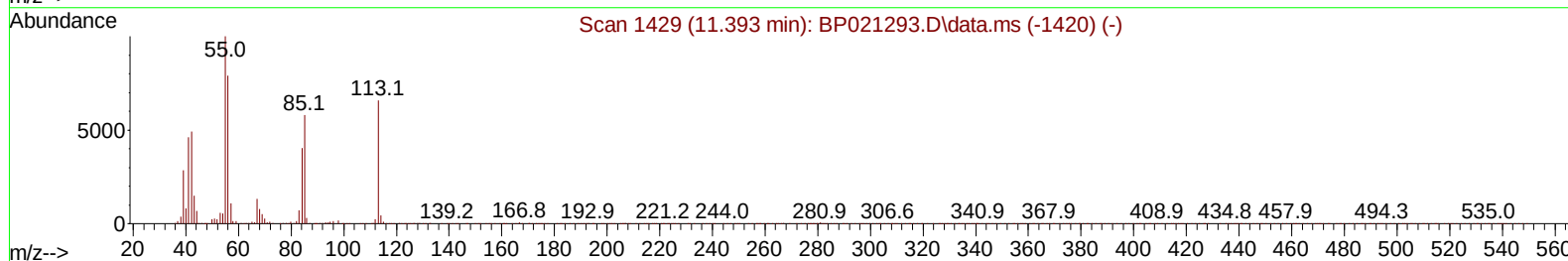
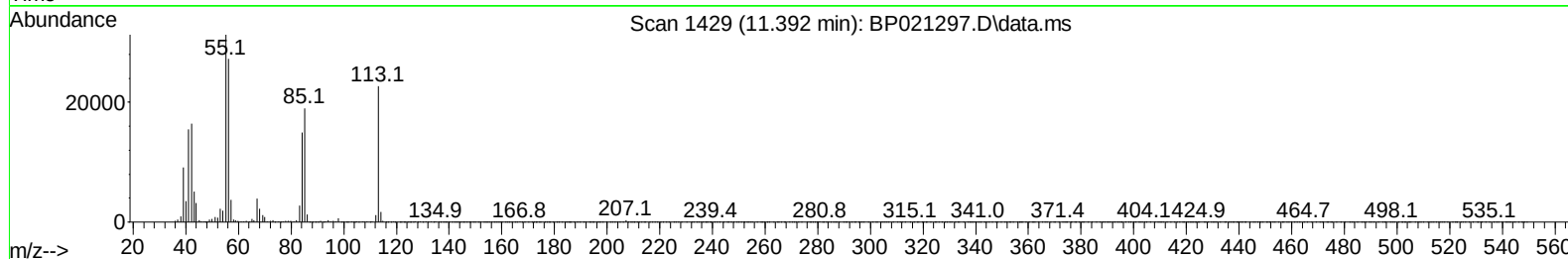
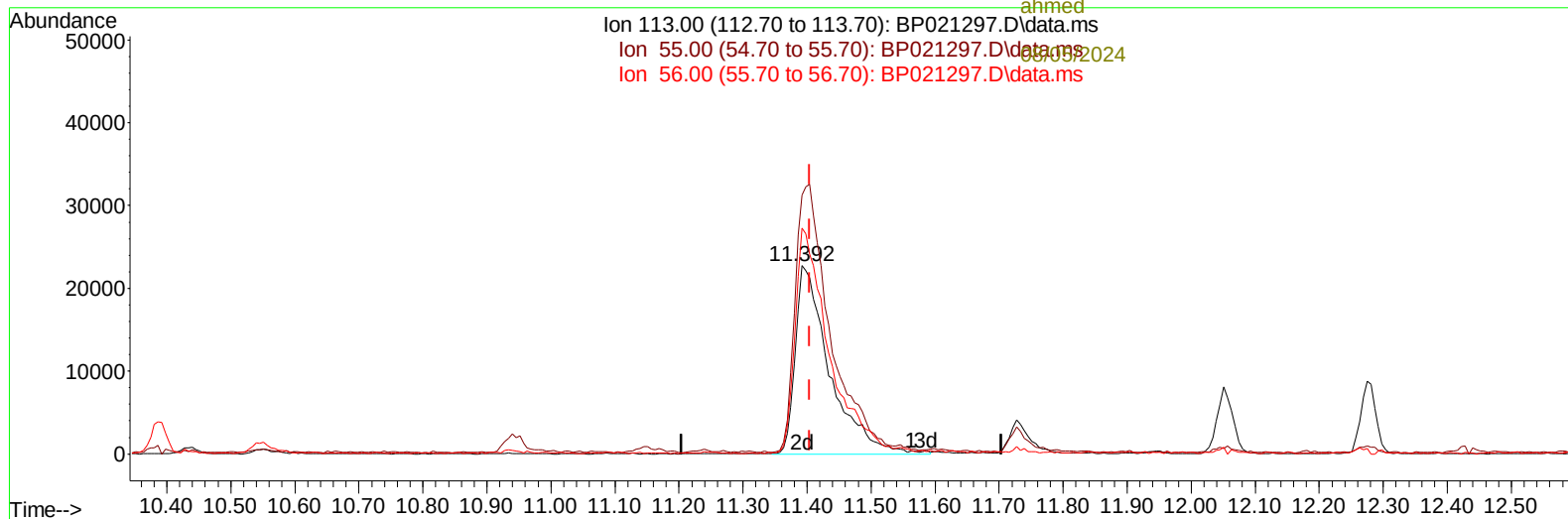
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Ion 113.00 (112.70 to 113.70): BP021297.D\data.ms
Ion 55.00 (54.70 to 55.70): BP021297.D\data.ms
Ion 56.00 (55.70 to 56.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

(34) Caprolactam

11.392min (-0.012) 29.29 ng/ul m

response 84190

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	175.30	137.66#
56.00	131.90	119.85
0.00	0.00	0.00

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Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

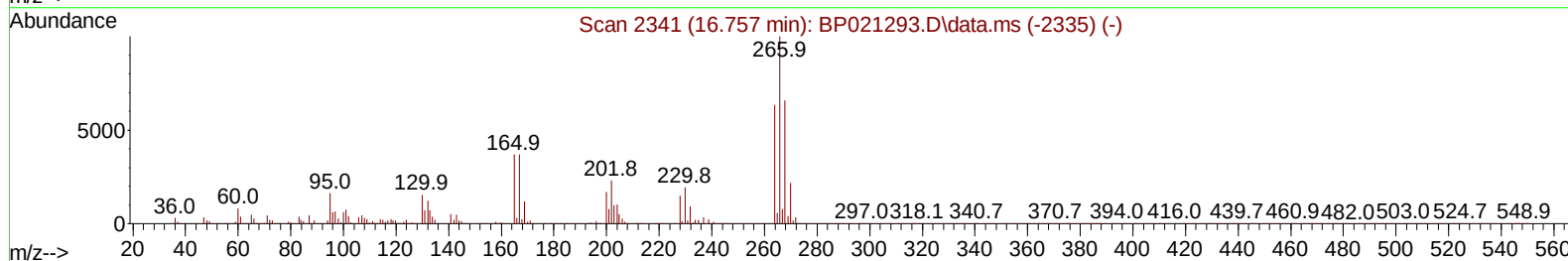
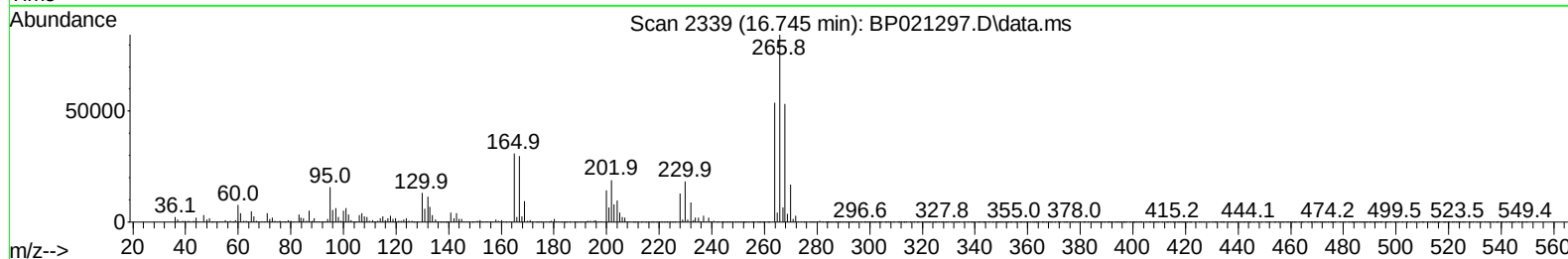
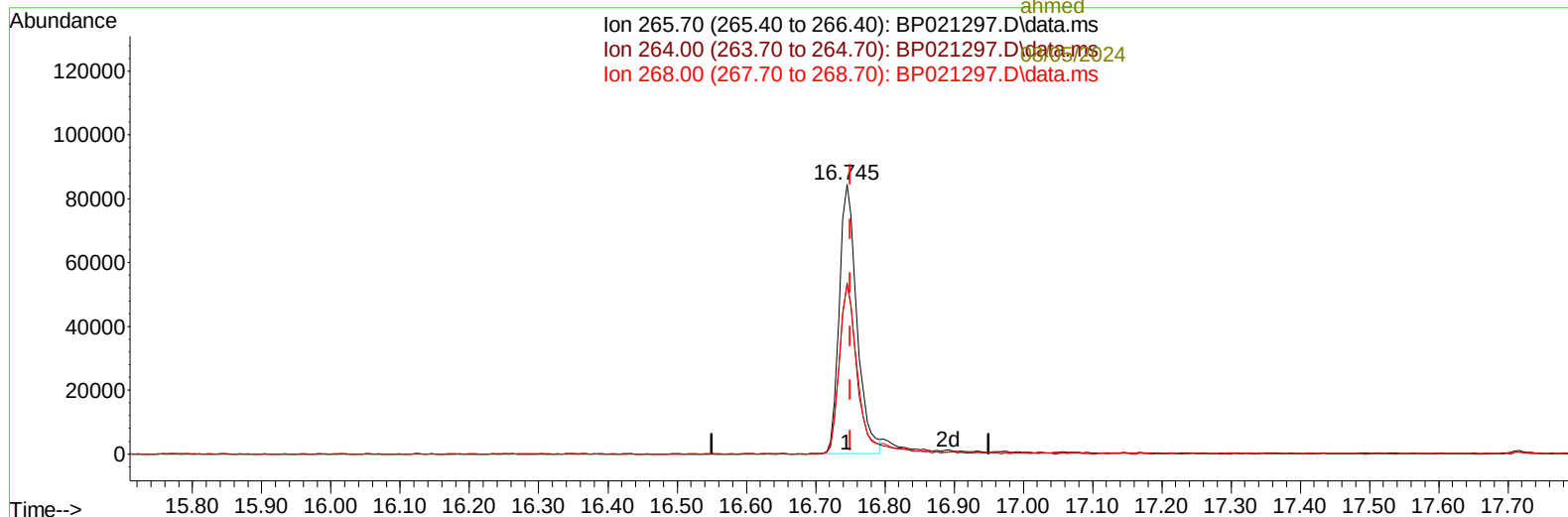
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Supervised By :mohammad ahmed 08/05/2024

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Supervised By :mohammad
ahmed

Ion 265.70 (265.40 to 266.40): BP021297.D\data.ms
Ion 264.00 (263.70 to 264.70): BP021297.D\data.ms
Ion 268.00 (267.70 to 268.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

(71) Pentachlorophenol (C)

16.745min (-0.006) 25.20 ng/u1

response 149907

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	65.40	63.60
268.00	65.40	62.94
0.00	0.00	0.00

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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

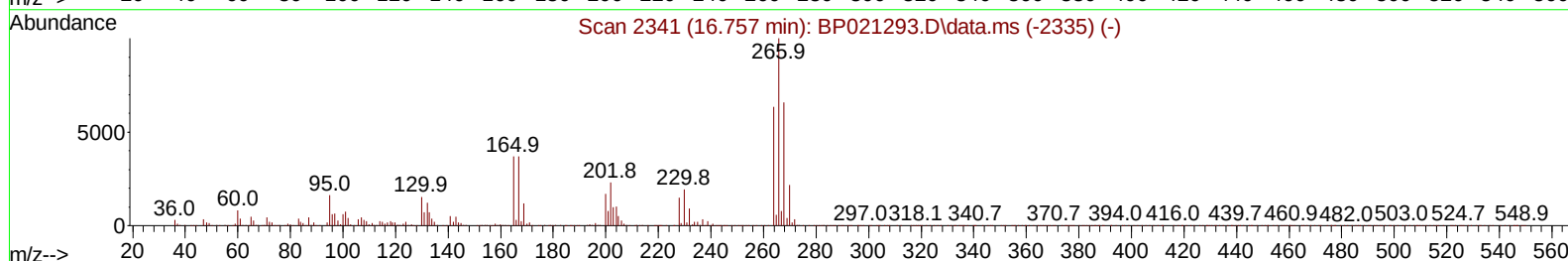
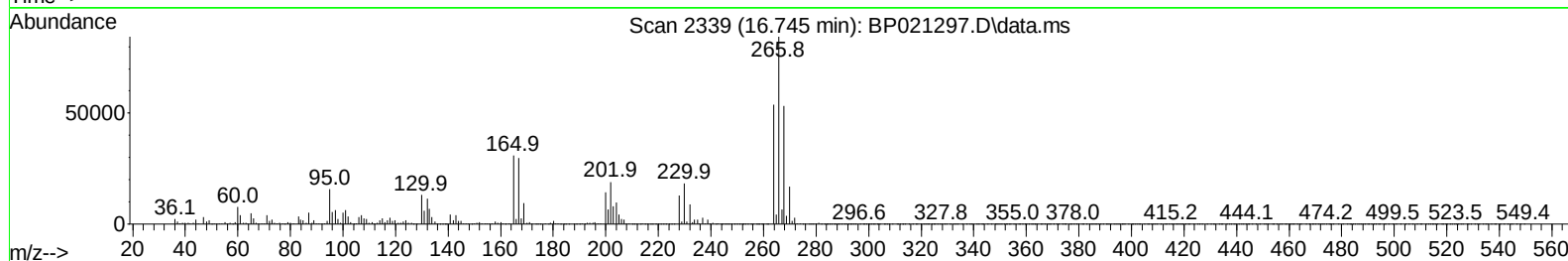
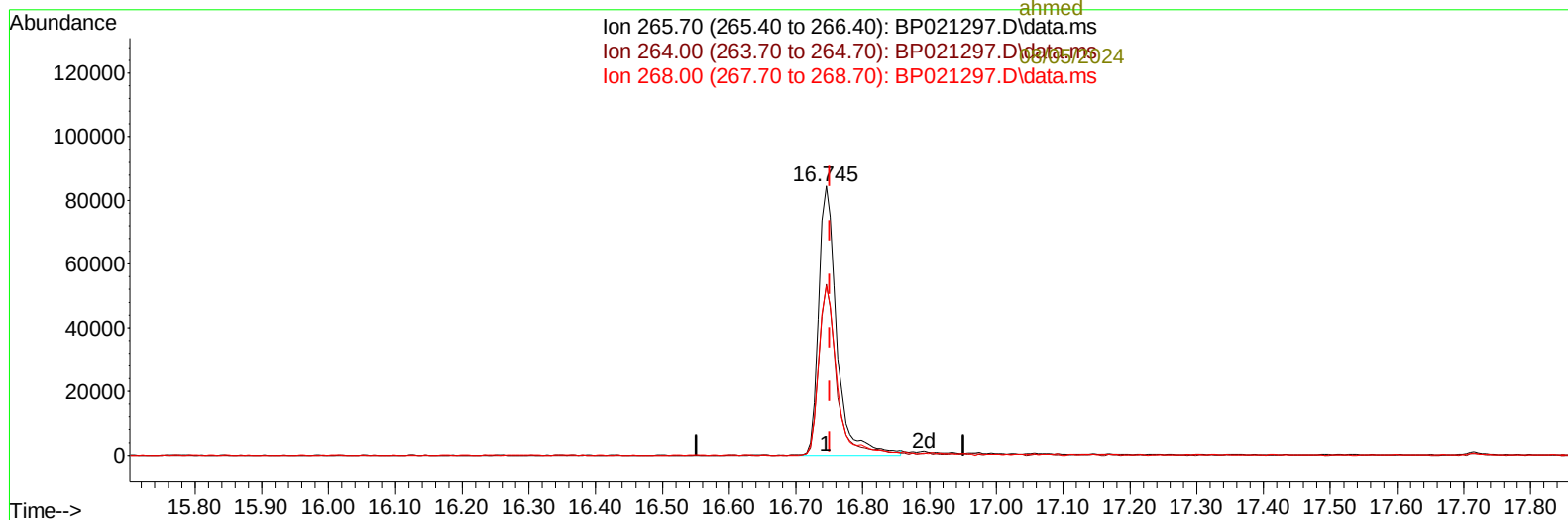
Instrument :
 BNA_P
 ClientSampleId :
 A4CN0MSD

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 ahmed



TIC: BP021297.D\data.ms

(71) Pentachlorophenol (C)

16.745min (-0.006) 26.87 ng/ul m

response 159877

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	65.40	63.60
268.00	65.40	62.94
0.00	0.00	0.00

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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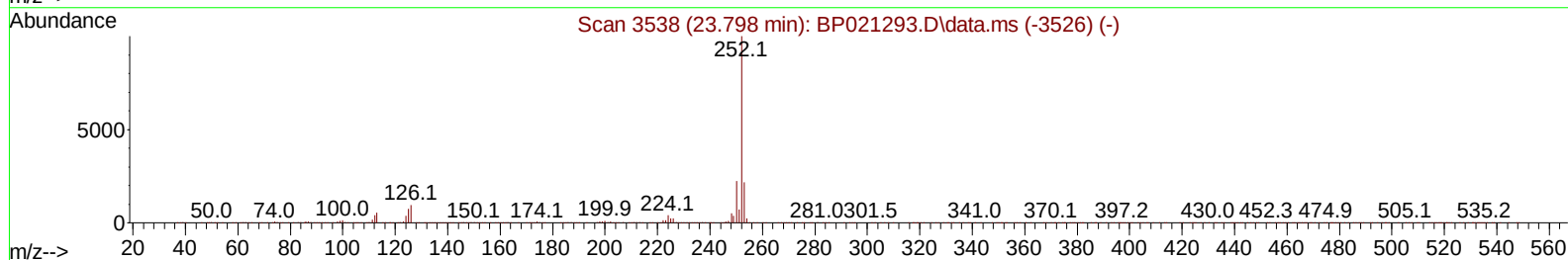
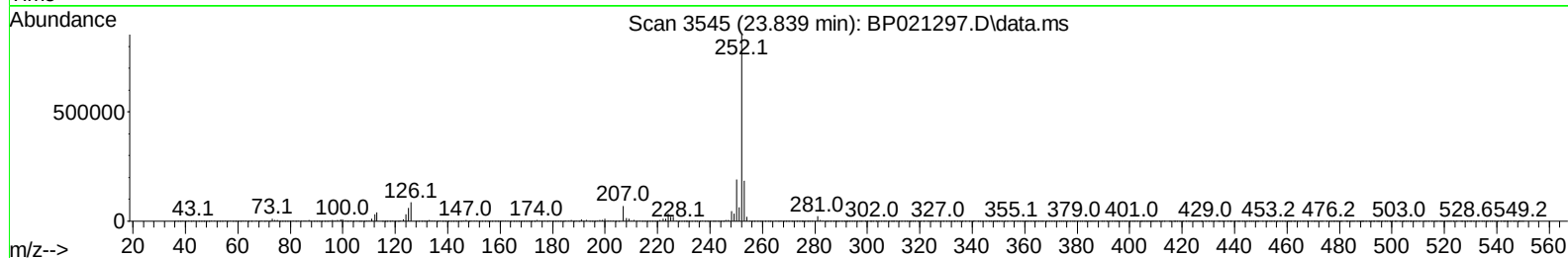
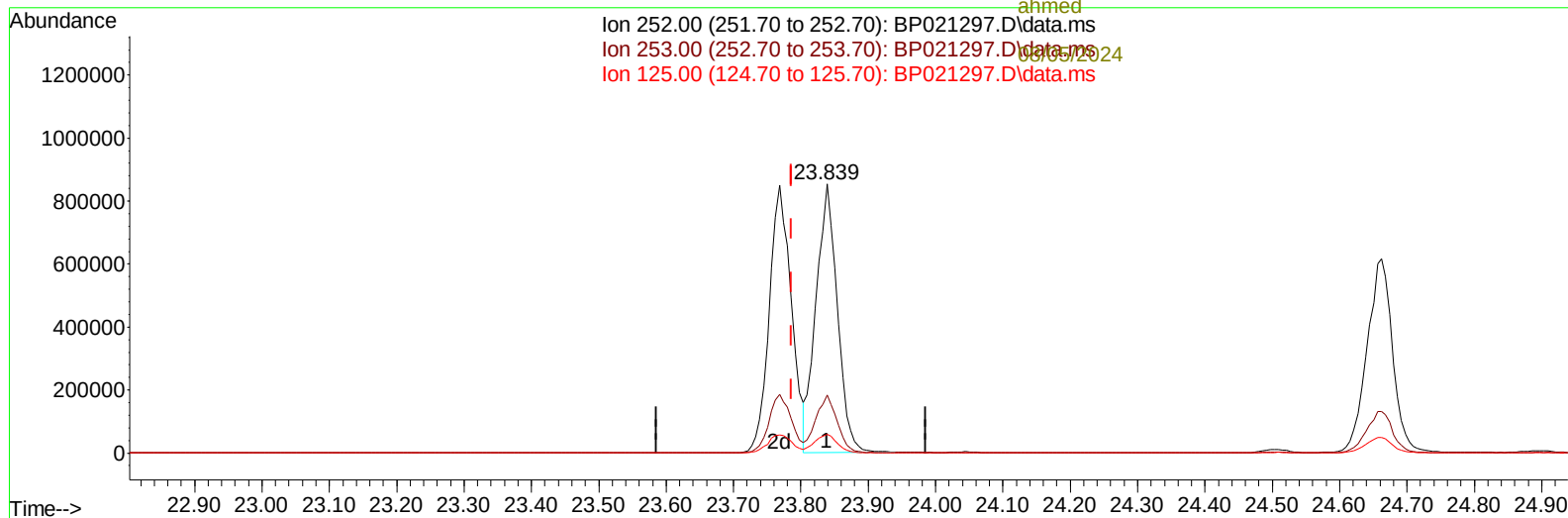
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Ion 252.00 (251.70 to 252.70): BP021297.D\data.ms
Ion 253.00 (252.70 to 253.70): BP021297.D\data.ms
Ion 125.00 (124.70 to 125.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

(90) Benzo(b)fluoranthene

23.839min (+ 0.053) 27.52 ng/ul

response 1872617

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	21.57
125.00	8.70	6.97
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
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Acq On : 01 Aug 2024 20:21
Operator : CG/JU
Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

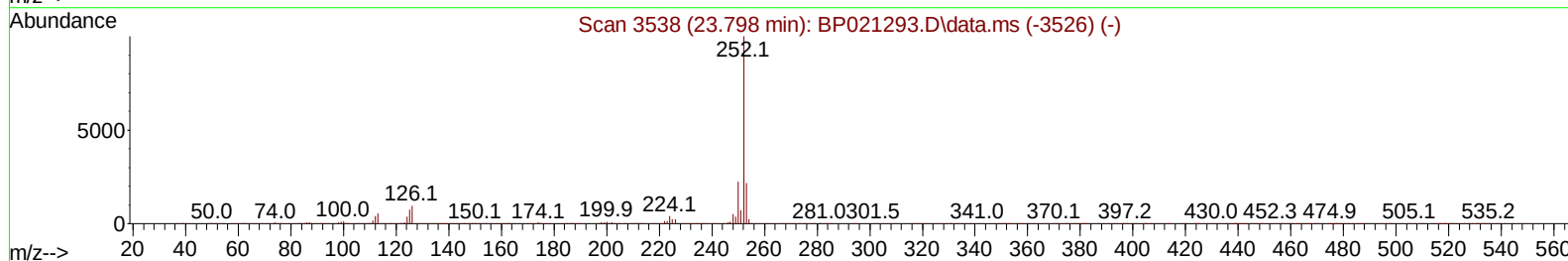
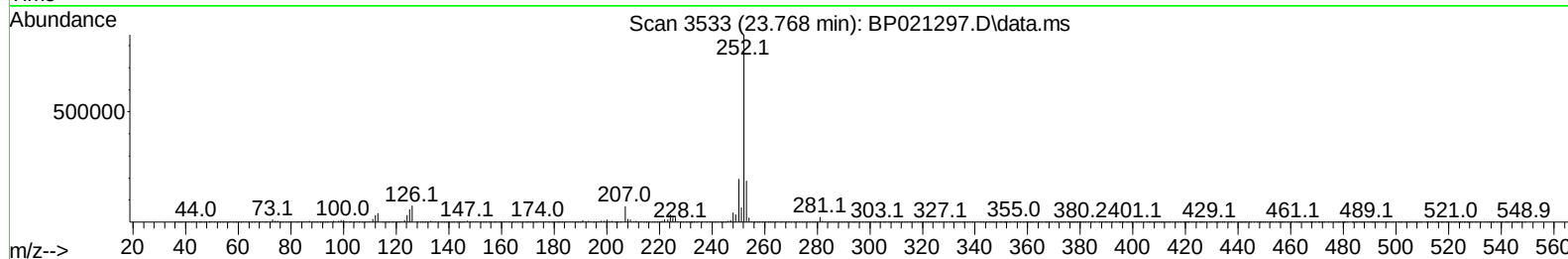
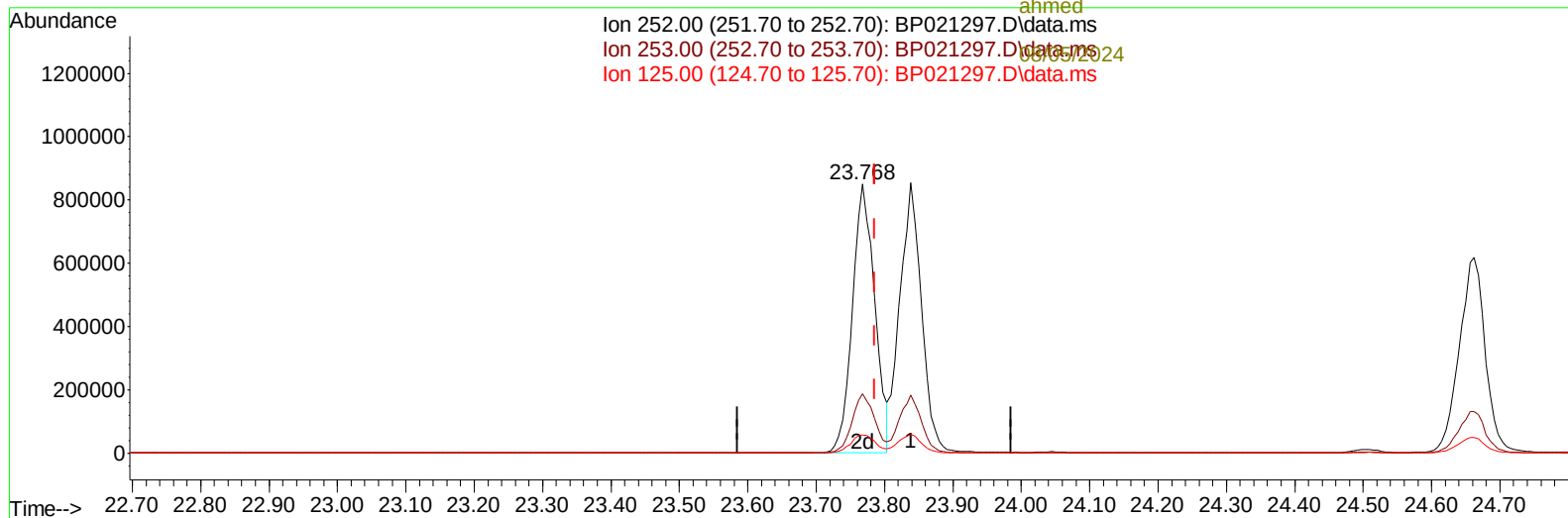
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Ion 252.00 (251.70 to 252.70): BP021297.D\data.ms
Ion 253.00 (252.70 to 253.70): BP021297.D\data.ms
Ion 125.00 (124.70 to 125.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

(90) Benzo(b)fluoranthene

23.768min (-0.018) 28.47 ng/u l m

response 1936730

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	21.96
125.00	8.70	6.84#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
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Acq On : 01 Aug 2024 20:21
Operator : CG/JU
Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

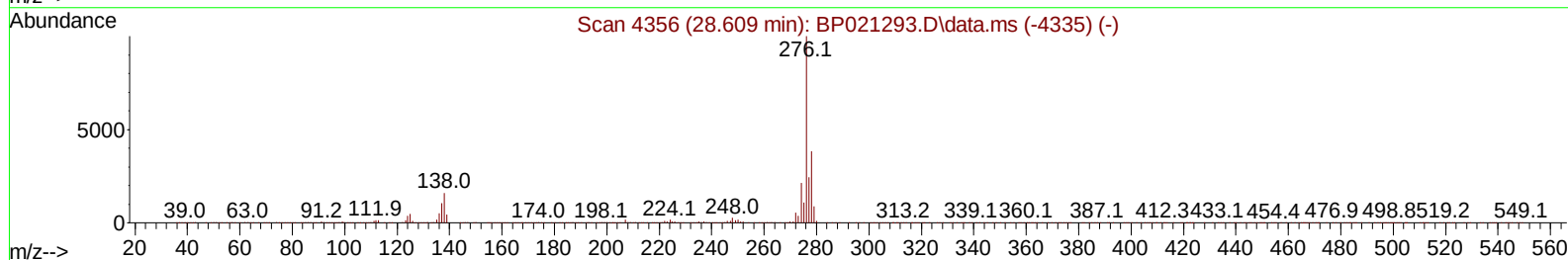
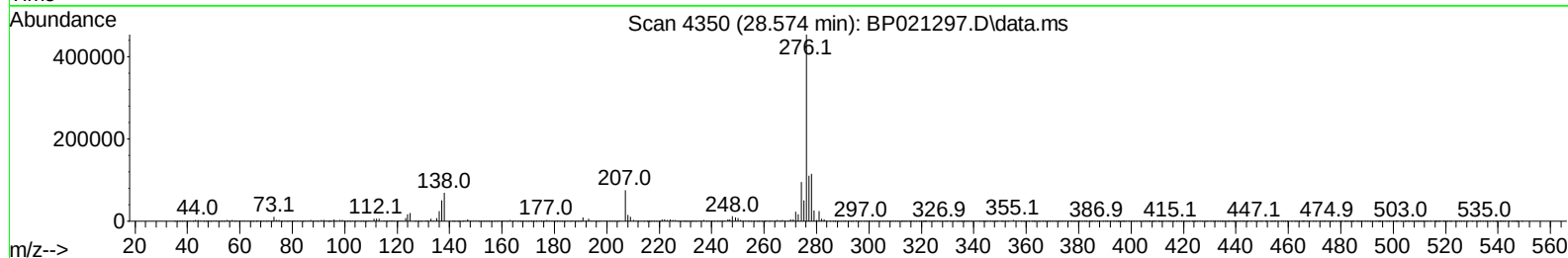
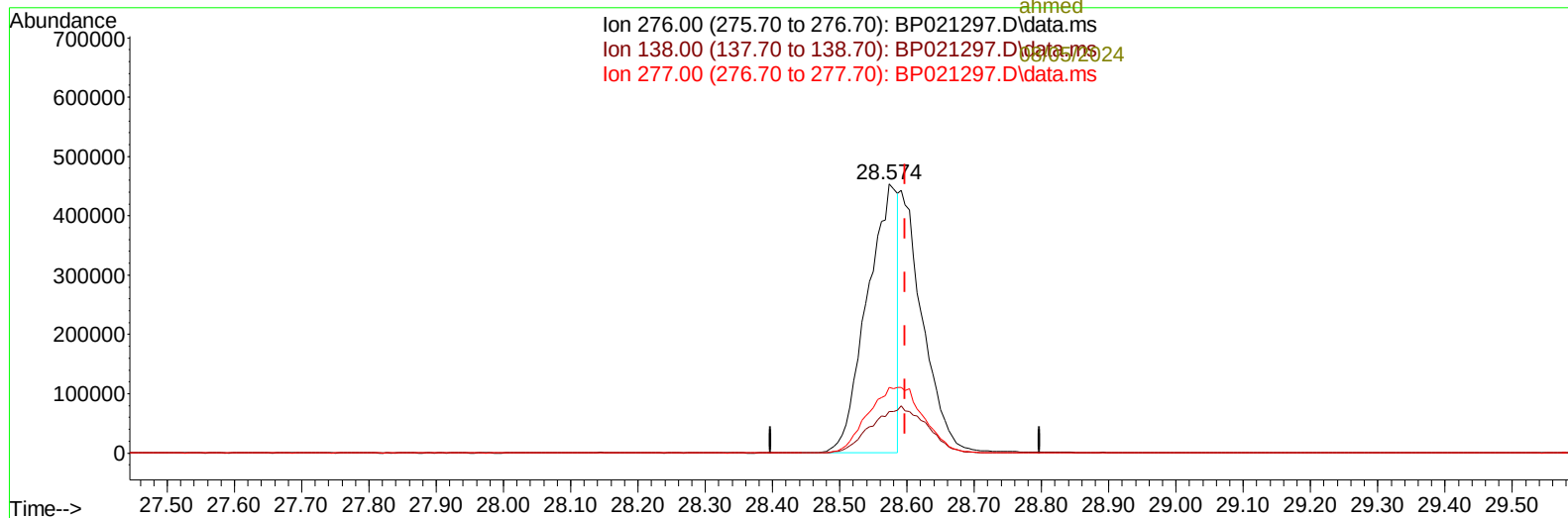
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08/03/2024
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ahmed



TIC: BP021297.D\data.ms

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

28.574min (-0.023) 17.15 ng/u1

response 1420708

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	15.40
277.00	24.00	24.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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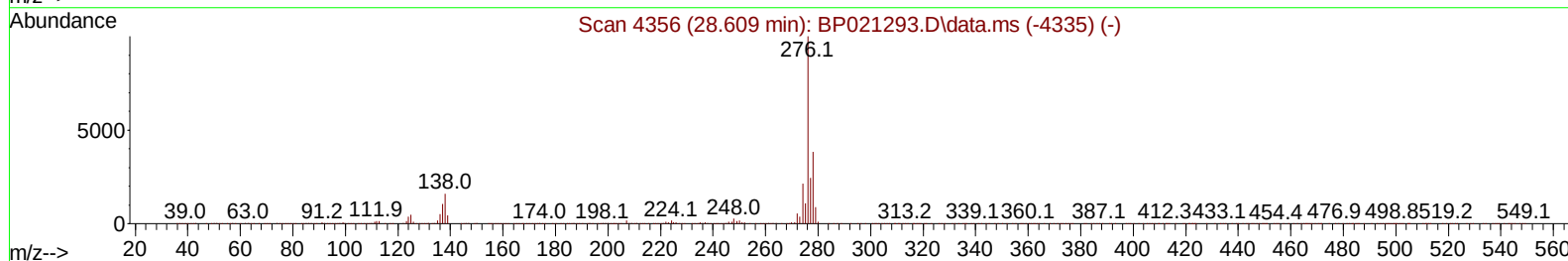
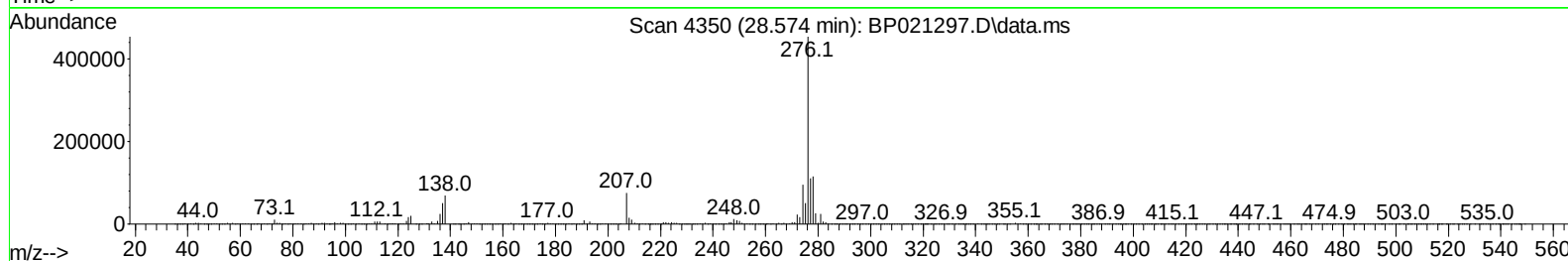
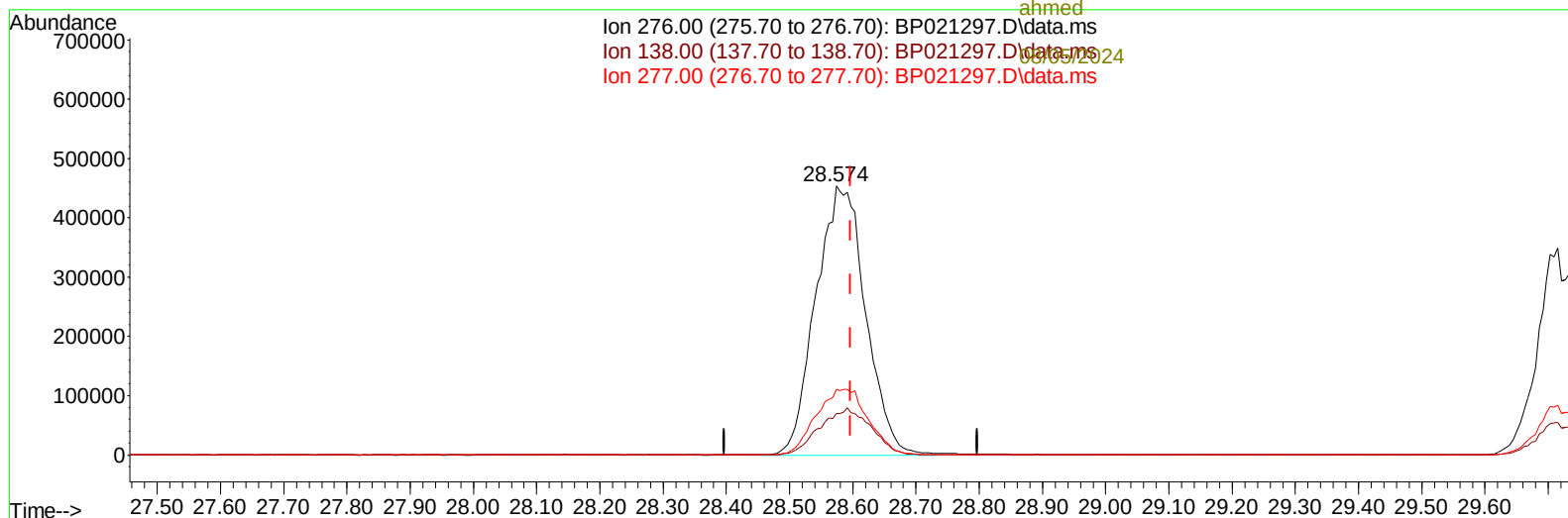
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 ahmed

Ion 276.00 (275.70 to 276.70): BP021297.D\data.ms
 Ion 138.00 (137.70 to 138.70): BP021297.D\data.ms
 Ion 277.00 (276.70 to 277.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

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

28.574min (-0.023) 29.86 ng/ul m

response 2473411

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.90	15.40
277.00	24.00	24.32
0.00	0.00	0.00

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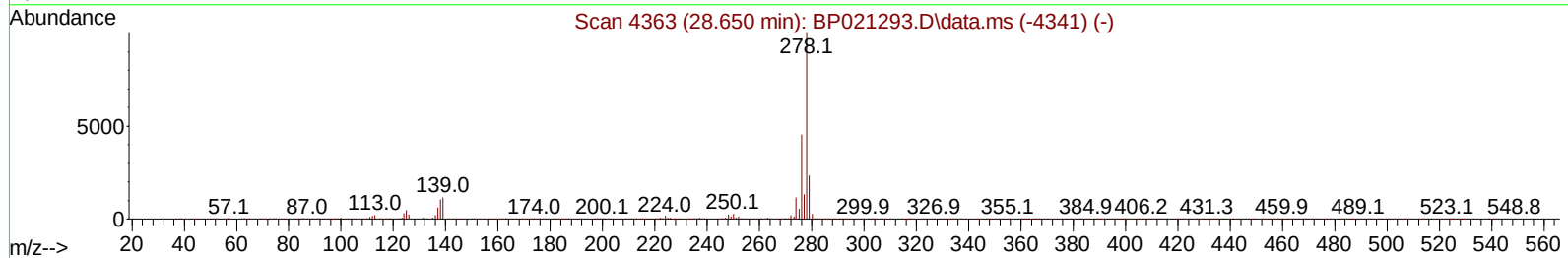
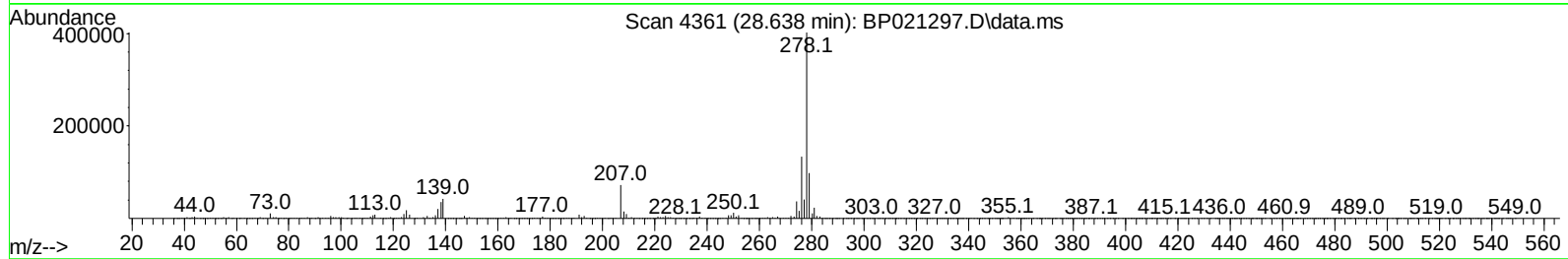
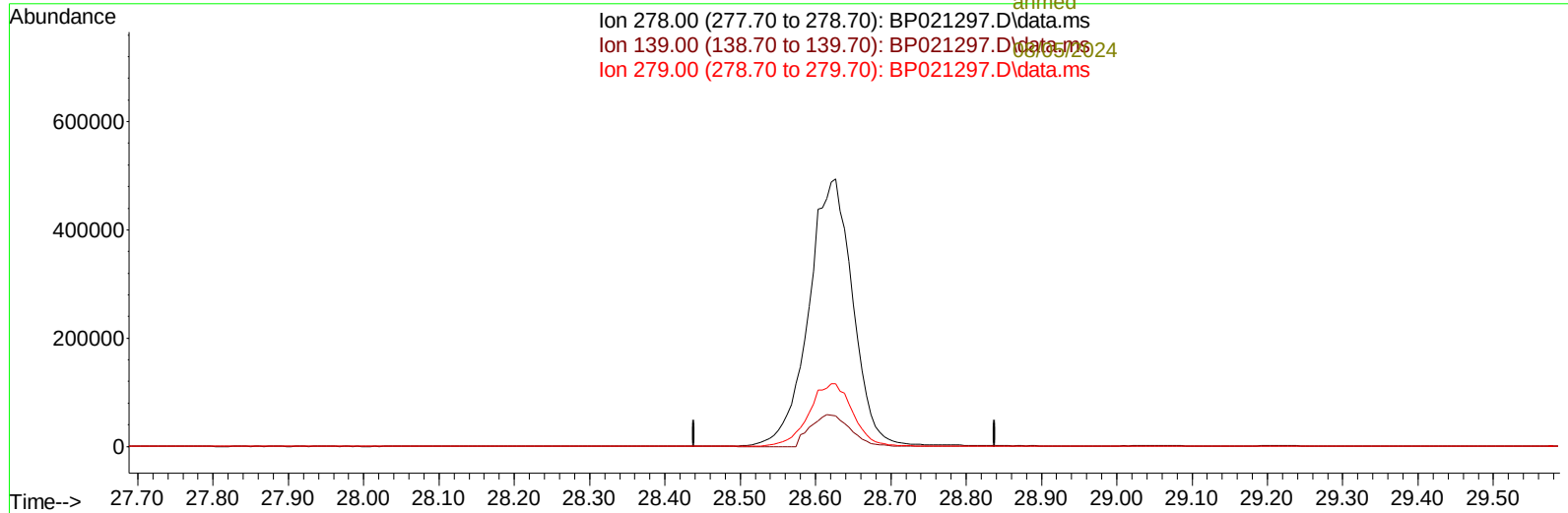
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Ion 278.00 (277.70 to 278.70): BP021297.D\data.ms
Ion 139.00 (138.70 to 139.70): BP021297.D\data.ms
Ion 279.00 (278.70 to 279.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

(95) Dibenzo(a,h)anthracene

28.638min (-28.638) 0.00 ng/u1

response 0

Ion	Exp%	Act%
278.00	100.00	0.00
139.00	13.60	0.00#
279.00	24.20	0.00#
0.00	0.00	0.00

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Misc :
ALS Vial : 6 Sample Multiplier: 1

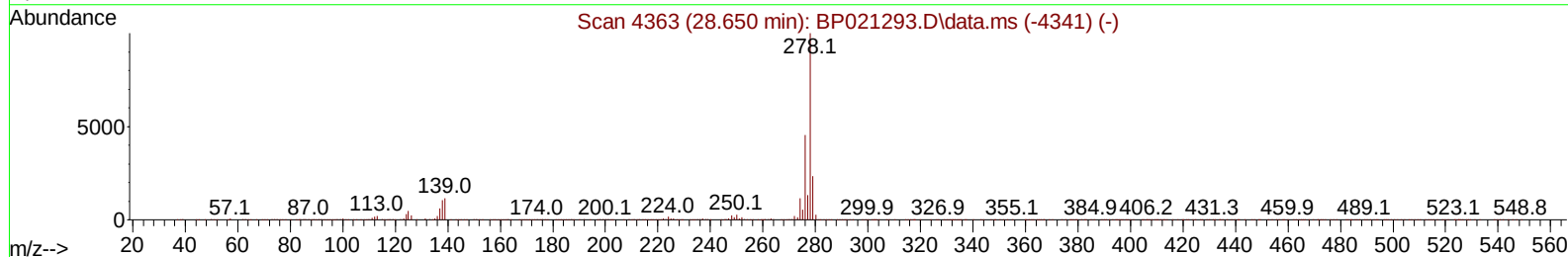
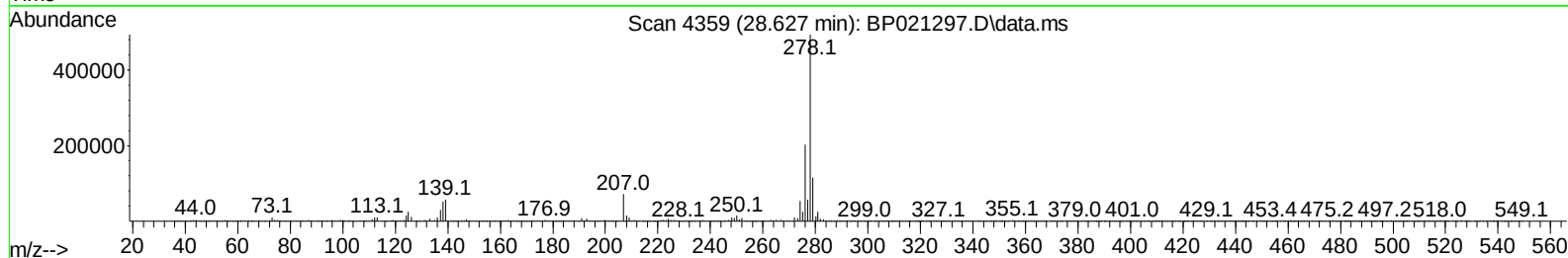
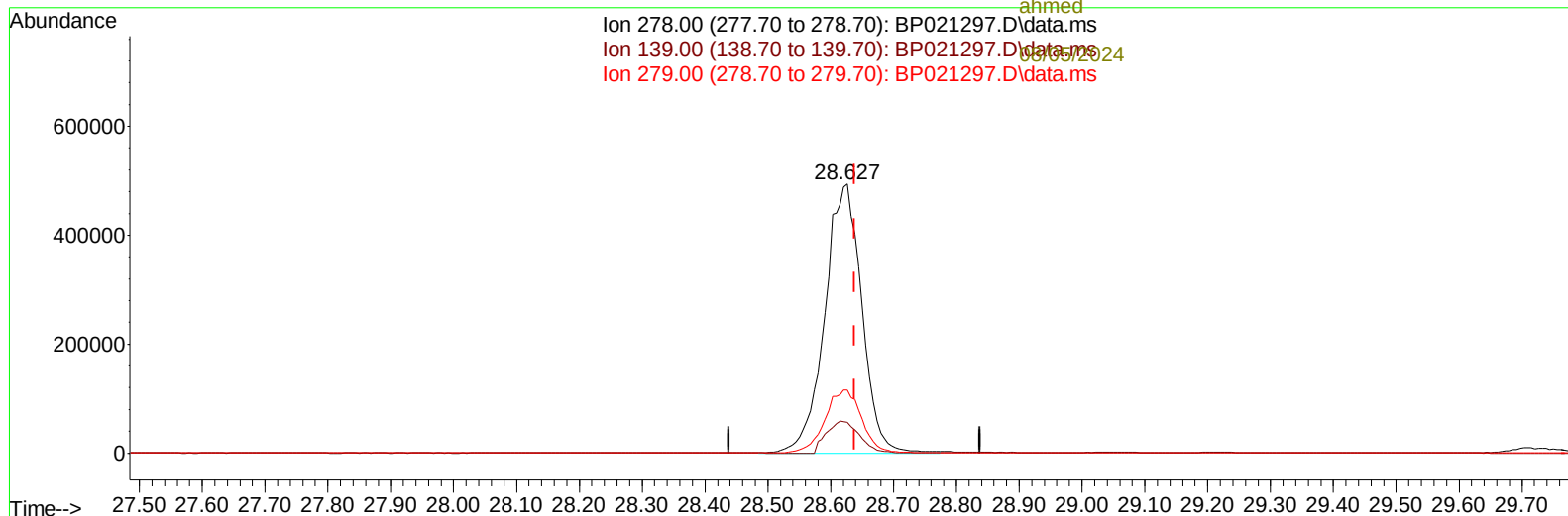
Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

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08/03/2024
Supervised By :mohammad
ahmed



TIC: BP021297.D\data.ms

(95) Dibenzo(a,h)anthracene

28.627min (-0.012) 29.45 ng/ul m

response 2020319

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	11.57
279.00	24.20	23.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
Data File : BP021297.D
Acq On : 01 Aug 2024 20:21
Operator : CG/JU
Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

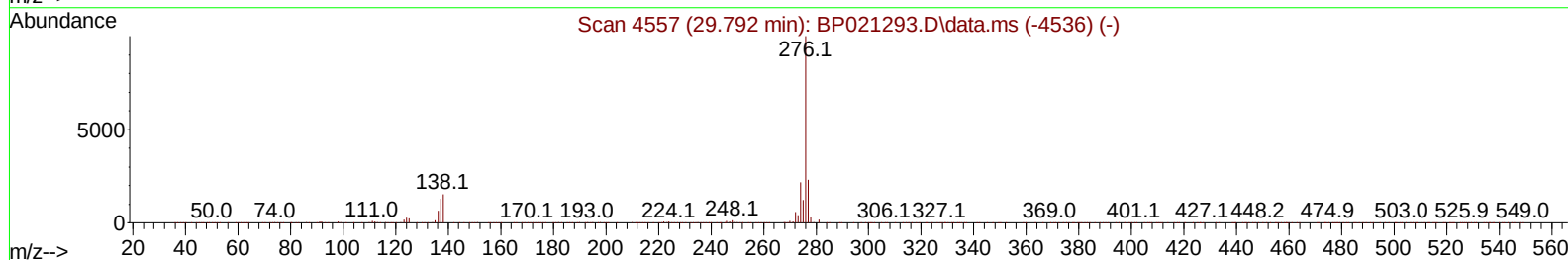
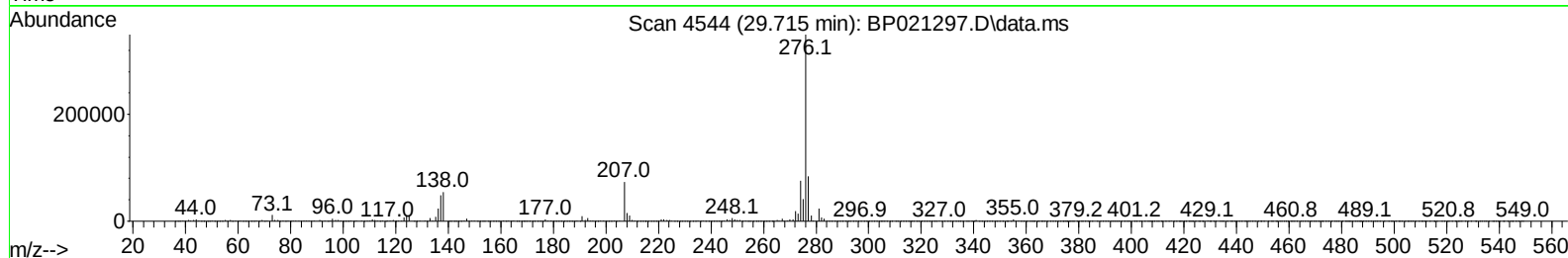
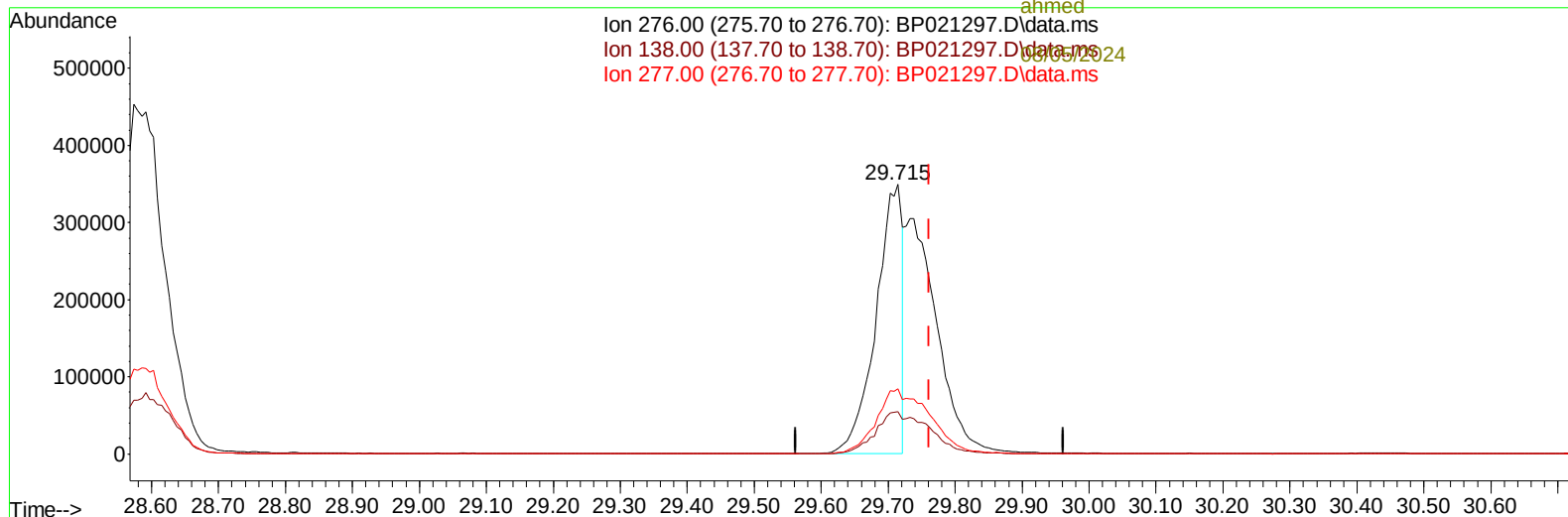
Manual IntegrationsAPPROVED

Quant Time: Aug 01 22:47:19 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 08/03/2024
Supervised By :mohammad ahmed 08/05/2024

08/03/2024
Supervised By :mohammad
ahmed

Ion 276.00 (275.70 to 276.70): BP021297.D\data.ms
Ion 138.00 (137.70 to 138.70): BP021297.D\data.ms
Ion 277.00 (276.70 to 277.70): BP021297.D\data.ms



TIC: BP021297.D\data.ms

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

29.715min (-0.047) 13.94 ng/u1

response 940843

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	15.73
277.00	22.70	24.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
Data File : BP021297.D
Acq On : 01 Aug 2024 20:21
Operator : CG/JU
Sample : P3264-26MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

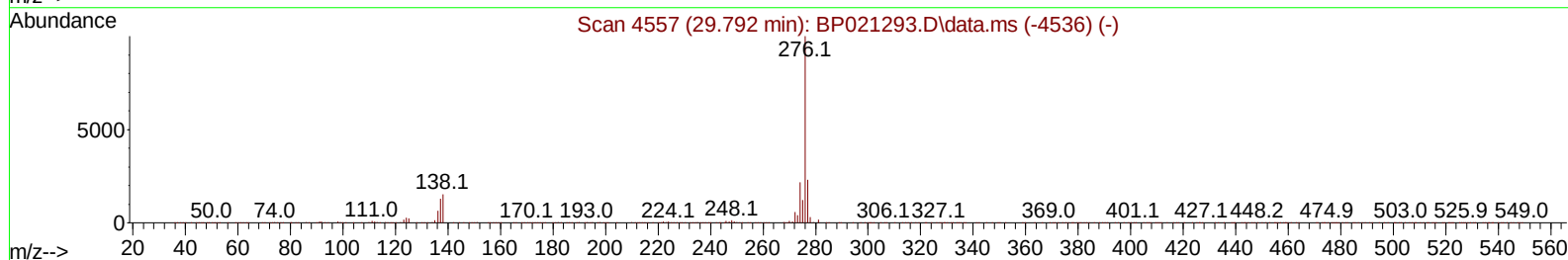
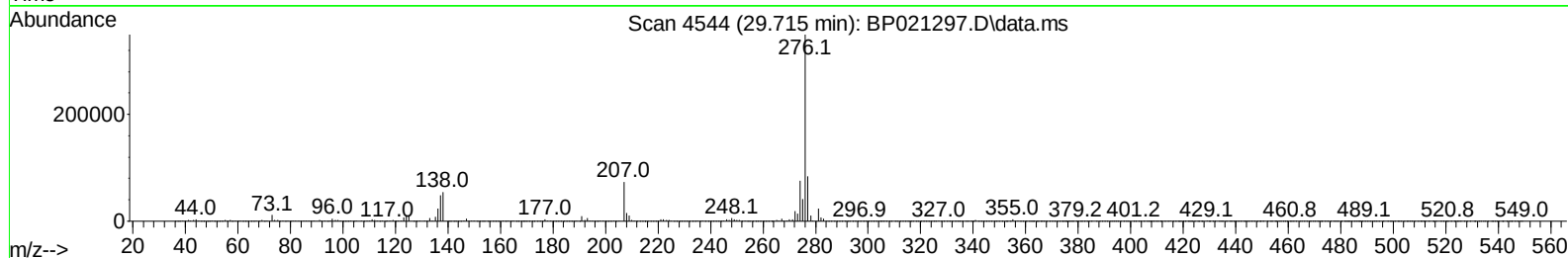
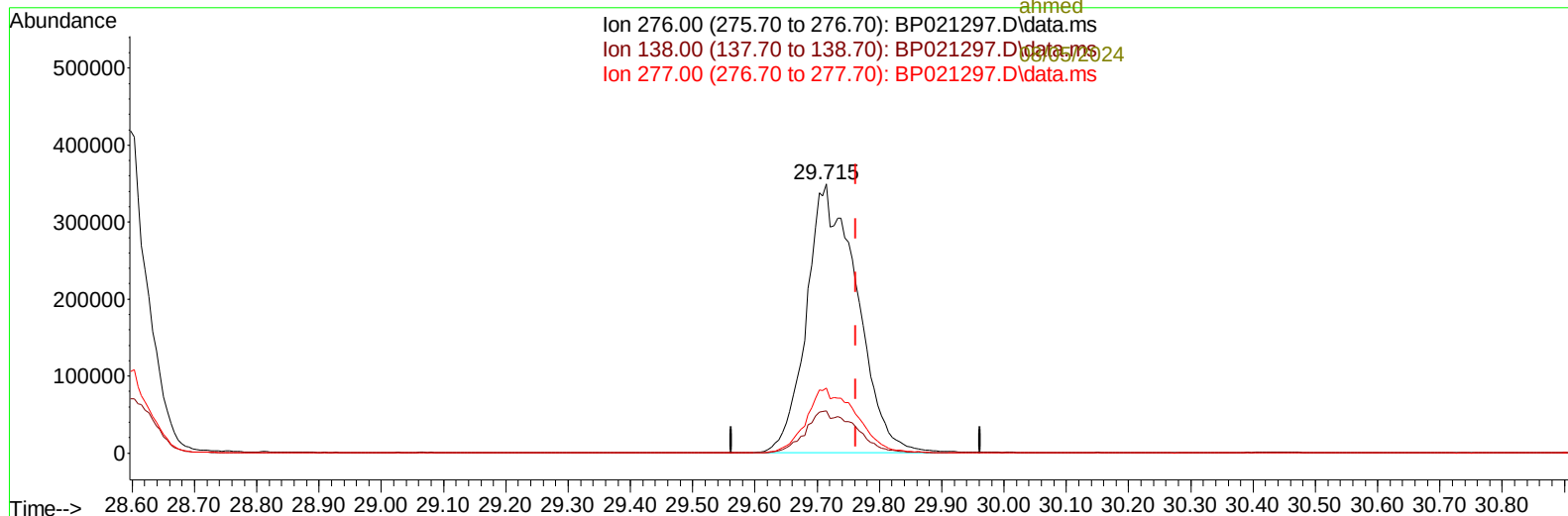
Instrument :
BNA_P
ClientSampleId :
A4CN0MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/05/2024

Quant Time: Aug 01 22:47:19 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

08/03/2024
Supervised By :mohammad
ahmed



TIC: BP021297.D\data.ms

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

29.715min (-0.047) 29.12 ng/ul m

response 1964719

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	15.73
277.00	22.70	24.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
 Data File : BP021297.D
 Acq On : 01 Aug 2024 20:21
 Operator : CG/JU
 Sample : P3264-26MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

A4CN0MSD

Manual IntegrationsAPPROVED

Quant Time: Aug 01 23:08:25 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 08/03/2024
 Supervised By :mohammad ahmed 08/05/2024

08/03/2024
 Supervised By :mohammad
 ahmed

08/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	154476	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.386	136	589010	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.269	164	386640	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.086	188	815046	20.000	ng/ul	0.00
79) Chrysene-d12	21.527	240	898380	20.000	ng/ul	# 0.00
88) Perylene-d12	24.821	264	1121139	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.163	96	11252	3.315	ng/uL	-0.01
4) Pyridine-d5	3.587	84	172710	17.574	ng/ul	0.00
7) Phenol-d5	6.840	99	275955	21.912	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	153212	20.074	ng/ul	0.00
11) 2-Chlorophenol-d4	7.175	132	237678	22.906	ng/ul	0.00
15) 4-Methylphenol-d8	8.351	113	226138	21.619	ng/ul	-0.01
21) Nitrobenzene-d5	8.787	128	118585	25.921	ng/ul	0.00
24) 2-Nitrophenol-d4	9.492	143	140647	26.860	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.039	165	260552	27.518	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.545	131	314199	25.049	ng/ul	-0.01
46) Dimethylphthalate-d6	13.680	166	786082	27.968	ng/ul	0.00
49) Acenaphthylene-d8	13.963	160	905710	28.698	ng/ul	0.00
54) 4-Nitrophenol-d4	14.580	143	149325	37.341	ng/ul	0.00
60) Fluorene-d10	15.280	176	697707	30.258	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	147629	29.936	ng/ul	0.00
73) Anthracene-d10	17.186	188	1080433	29.846	ng/ul	0.00
81) Pyrene-d10	19.574	212	1413601	25.451	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.586	264	1724738	31.192	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.199	88	24239	6.492	ng/uL	98
5) Pyridine	3.604	79	158055	15.592	ng/ul	97
6) Benzaldehyde	6.804	77	133105	20.964	ng/ul	97
8) Phenol	6.869	94	279412	21.925	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.069	93	209873	19.936	ng/ul	97
12) 2-Chlorophenol	7.204	128	231669	22.276	ng/ul	97
13) 2-Methylphenol	8.092	108	212342	21.545	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.134	45	261287m	17.179	ng/ul	
16) Acetophenone	8.451	105	360732	22.345	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.422	70	171615	20.288	ng/ul	94
18) 4-Methylphenol	8.416	108	230645	21.844	ng/ul	94
19) Hexachloroethane	8.669	117	92287	19.747	ng/ul	90
22) Nitrobenzene	8.828	77	256395	23.396	ng/ul	98
23) Isophorone	9.339	82	493527	22.652	ng/ul	98
25) 2-Nitrophenol	9.528	139	146434	26.814	ng/ul	96
26) 2,4-Dimethylphenol	9.598	107	175226	16.271	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.810	93	295893	22.343	ng/ul	99
29) 2,4-Dichlorophenol	10.069	162	249151	26.700	ng/ul	98
30) Naphthalene	10.434	128	770761	24.877	ng/ul	100
32) 4-Chloroaniline	10.575	127	238580	19.919	ng/ul	99
33) Hexachlorobutadiene	10.698	225	177186	25.324	ng/ul	99
34) Caprolactam	11.392	113	84190m	29.288	ng/ul	
35) 4-Chloro-3-methylphenol	11.728	107	272635	26.879	ng/ul	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
 Data File : BP021297.D
 Acq On : 01 Aug 2024 20:21
 Operator : CG/JU
 Sample : P3264-26MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CN0MSD

Manual IntegrationsAPPROVED

Quant Time: Aug 01 23:08:25 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 08/03/2024
 Supervised By :mohammad ahmed 08/05/2024

08/03/2024
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.051	142	543416	25.552	ng/ul	98
37) 1-Methylnaphthalene	12.275	142	556616	25.447	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.433	216	346594	27.603	ng/ul#	94
40) Hexachlorocyclopentadiene	12.381	237	47923	7.296	ng/ul	97
41) 2,4,6-Trichlorophenol	12.692	196	215079	27.108	ng/ul	99
42) 2,4,5-Trichlorophenol	12.804	196	232091	27.647	ng/ul	99
43) 1,1'-Biphenyl	13.080	154	743396	26.309	ng/ul	99
44) 2-Chloronaphthalene	13.128	162	594069	26.336	ng/ul	99
45) 2-Nitroaniline	13.369	65	167875	26.911	ng/ul	95
47) Dimethylphthalate	13.727	163	759871	26.644	ng/ul	100
48) 2,6-Dinitrotoluene	13.875	165	160300	28.114	ng/ul	95
50) Acenaphthylene	13.992	152	935320	26.175	ng/ul	100
51) 3-Nitroaniline	14.222	138	152752	30.787	ng/ul	93
52) Acenaphthene	14.333	153	629077	26.525	ng/ul	99
53) 2,4-Dinitrophenol	14.463	184	77779	25.976	ng/ul	93
55) 4-Nitrophenol	14.592	109	101295	31.139	ng/ul#	75
56) Dibenzofuran	14.680	168	913583	28.130	ng/ul	97
57) 2,4-Dinitrotoluene	14.704	165	238190	30.432	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	14.933	232	207230	28.828	ng/ul	95
59) Diethylphthalate	15.116	149	734315	25.764	ng/ul	98
61) Fluorene	15.339	166	745021	28.111	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.333	204	396653	27.582	ng/ul	96
63) 4-Nitroaniline	15.422	138	154016	37.484	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.474	198	152280	29.119	ng/ul	97
67) N-Nitrosodiphenylamine	15.563	169	635378	26.771	ng/ul	99
68) 4-Bromophenyl-phenylether	16.251	248	267403	27.991	ng/ul	96
69) Hexachlorobenzene	16.363	284	324583	29.632	ng/ul	95
70) Atrazine	16.557	200	174009	20.117	ng/ul	97
71) Pentachlorophenol	16.745	266	159877m	26.873	ng/ul	
72) Phenanthrene	17.127	178	1268397	29.999	ng/ul	99
74) Anthracene	17.221	178	1184459	27.479	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.045	216	344806	26.432	ng/uL	99
76) Pentachlorobenzene	14.592	250	364033	28.083	ng/uL	99
77) Carbazole	17.516	167	1109461	31.486	ng/ul	99
78) Di-n-butylphthalate	18.086	149	1276598	26.260	ng/ul	100
80) Fluoranthene	19.227	202	1606823	23.956	ng/ul	97
82) Pyrene	19.604	202	1672656	24.506	ng/ul	97
83) Butylbenzylphthalate	20.539	149	629124	22.123	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.433	252	529366	25.787	ng/ul	97
85) Benzo(a)anthracene	21.504	228	1766889	28.076	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.409	149	872336	21.316	ng/ul#	97
87) Chrysene	21.574	228	1701534	29.097	ng/ul	99
89) Di-n-octyl phthalate	22.656	149	1610536	21.746	ng/ul	100
90) Benzo(b)fluoranthene	23.768	252	1936730m	28.466	ng/ul	
91) Benzo(k)fluoranthene	23.839	252	1872617	27.580	ng/ul#	98
93) Benzo(a)pyrene	24.662	252	1621332	25.218	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.574	276	2473411m	29.855	ng/ul	
95) Dibenzo(a,h)anthracene	28.627	278	2020319m	29.449	ng/ul	
96) Benzo(g,h,i)perylene	29.715	276	1964719m	29.119	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

A4CN0MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/05/2024

08/03/2024

Supervised By :mohammad
ahmed

08/05/2024

