

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022630.D
 Acq On : 26 Oct 2024 04:50
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020678

Quant Time: Oct 26 06:03:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/26/2024
 Supervised By :mohammad ahmed 10/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	108904	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	406572	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.269	164	319505	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	757986	20.000	ng/u1	0.00
79) Chrysene-d12	21.516	240	837756	20.000	ng/u1	0.00
88) Perylene-d12	24.786	264	969446	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	18727	6.682	ng/uL	0.00
4) Pyridine-d5	3.599	84	144126	18.734	ng/u1	0.00
7) Phenol-d5	6.846	99	180266	19.664	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.993	67	98029	18.194	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	136900	21.046	ng/u1	0.00
15) 4-Methylphenol-d8	8.358	113	144231	19.715	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	66832	21.378	ng/u1	0.00
24) 2-Nitrophenol-d4	9.505	143	79838	22.059	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	167223	21.739	ng/u1	0.00
31) 4-Chloroaniline-d4	10.552	131	182530	20.082	ng/u1	0.00
46) Dimethylphthalate-d6	13.675	166	491648	19.367	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	554430	20.563	ng/u1	0.00
54) 4-Nitrophenol-d4	14.510	143	80778	18.968	ng/u1	0.00
60) Fluorene-d10	15.281	176	446333	20.271	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	88517	17.756	ng/u1	0.00
73) Anthracene-d10	17.169	188	740068	20.755	ng/u1	0.00
81) Pyrene-d10	19.551	212	958054	21.625	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.563	264	1065742	20.585	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	19880	6.597	ng/uL	96
5) Pyridine	3.617	79	143664	18.212	ng/u1	94
6) Benzaldehyde	6.811	77	109126	22.028	ng/u1	95
8) Phenol	6.869	94	185625	19.462	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.087	93	135983	19.050	ng/u1	98
12) 2-Chlorophenol	7.222	128	137527	20.446	ng/u1	97
13) 2-Methylphenol	8.093	108	135619	19.593	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.158	45	152395	18.370	ng/u1	98
16) Acetophenone	8.463	105	232340	19.237	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.446	70	119063	19.457	ng/u1	97
18) 4-Methylphenol	8.422	108	150588	19.611	ng/u1	92
19) Hexachloroethane	8.705	117	63201	20.175	ng/u1	98
22) Nitrobenzene	8.834	77	185875	19.919	ng/u1	98
23) Isophorone	9.358	82	327511	19.575	ng/u1	98
25) 2-Nitrophenol	9.534	139	83898	21.509	ng/u1	97
26) 2,4-Dimethylphenol	9.599	107	174645	20.600	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.828	93	184855	19.459	ng/u1	99
29) 2,4-Dichlorophenol	10.069	162	165274	21.818	ng/u1	97
30) Naphthalene	10.457	128	446517	20.619	ng/u1	98
32) 4-Chloroaniline	10.575	127	179536	20.010	ng/u1	97
33) Hexachlorobutadiene	10.740	225	136511	21.382	ng/u1	97
34) Caprolactam	11.352	113	45920m	18.803	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	176367	21.339	ng/u1	99
36) 2-Methylnaphthalene	12.069	142	328797	20.684	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.293	142	334106	20.593	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.440	216	249157	21.090	ng/ul	96
40) Hexachlorocyclopentadiene	12.416	237	119773	16.640	ng/ul	97
41) 2,4,6-Trichlorophenol	12.693	196	156842	21.106	ng/ul	100
42) 2,4,5-Trichlorophenol	12.775	196	168219	21.260	ng/ul	96
43) 1,1'-Biphenyl	13.093	154	474109	20.587	ng/ul	99
44) 2-Chloronaphthalene	13.134	162	388145	20.589	ng/ul	97
45) 2-Nitroaniline	13.346	65	109768	19.500	ng/ul	96
47) Dimethylphthalate	13.722	163	484640	19.159	ng/ul	100
48) 2,6-Dinitrotoluene	13.851	165	102907	21.508	ng/ul	94
50) Acenaphthylene	13.987	152	559783	20.005	ng/ul	99
51) 3-Nitroaniline	14.187	138	95233	21.192	ng/ul	99
52) Acenaphthene	14.328	153	399727	20.201	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	56276	15.986	ng/ul	95
55) 4-Nitrophenol	14.522	109	93989	19.885	ng/ul	92
56) Dibenzofuran	14.675	168	595432	20.033	ng/ul	100
57) 2,4-Dinitrotoluene	14.651	165	154273	20.750	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.916	232	154653	20.940	ng/ul	98
59) Diethylphthalate	15.104	149	463262	19.089	ng/ul	99
61) Fluorene	15.334	166	489592	20.216	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.328	204	273177	19.725	ng/ul	99
63) 4-Nitroaniline	15.363	138	101544	22.456	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.434	198	97475	18.153	ng/ul	93
67) N-Nitrosodiphenylamine	15.557	169	414095	20.400	ng/ul	98
68) 4-Bromophenyl-phenylether	16.251	248	194255	21.252	ng/ul	95
69) Hexachlorobenzene	16.363	284	245366	21.808	ng/ul	98
70) Atrazine	16.539	200	173075	20.513	ng/ul	93
71) Pentachlorophenol	16.716	266	156072	21.574	ng/ul	95
72) Phenanthrene	17.110	178	824207	20.324	ng/ul	99
74) Anthracene	17.216	178	840373	20.766	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.057	216	249282	21.599	ng/uL	96
76) Pentachlorobenzene	14.598	250	270961	21.238	ng/uL	98
77) Carbazole	17.492	167	732914	20.467	ng/ul	99
78) Di-n-butylphthalate	18.075	149	791111	19.966	ng/ul	100
80) Fluoranthene	19.204	202	1111980	21.833	ng/ul	98
82) Pyrene	19.581	202	1161353	21.275	ng/ul	99
83) Butylbenzylphthalate	20.539	149	395897	20.831	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.416	252	394581	19.759	ng/ul	97
85) Benzo(a)anthracene	21.498	228	1194804	20.344	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.422	149	556677	20.406	ng/ul	100
87) Chrysene	21.569	228	1095192	20.111	ng/ul	99
89) Di-n-octyl phthalate	22.674	149	919655	19.943	ng/ul	100
90) Benzo(b)fluoranthene	23.757	252	1232266	20.193	ng/ul#	97
91) Benzo(k)fluoranthene	23.816	252	1240355	20.761	ng/ul	99
93) Benzo(a)pyrene	24.627	252	1143533	20.361	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.498	276	1542071m	20.576	ng/ul	
95) Dibenzo(a,h)anthracene	28.574	278	1246504m	20.539	ng/ul	
96) Benzo(g,h,i)perylene	29.651	276	1187757m	20.375	ng/ul	

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

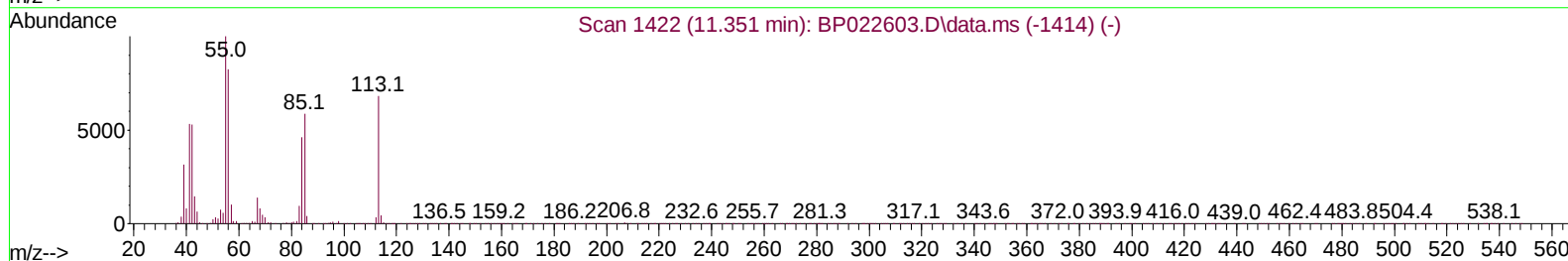
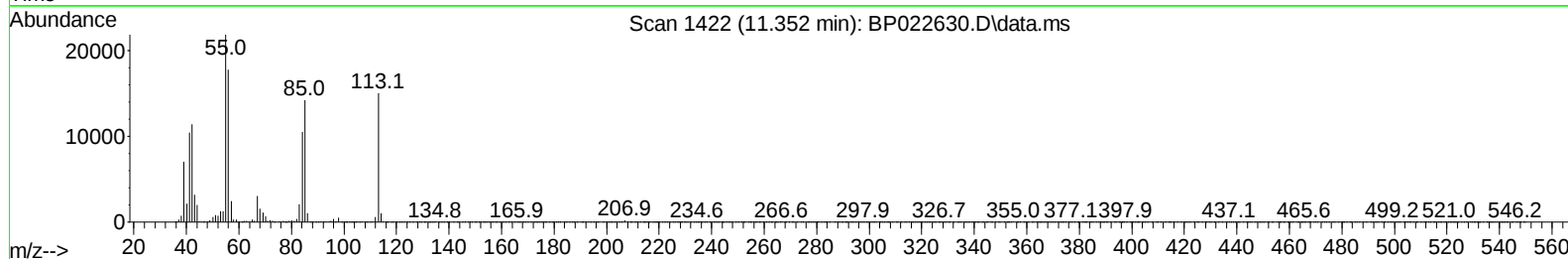
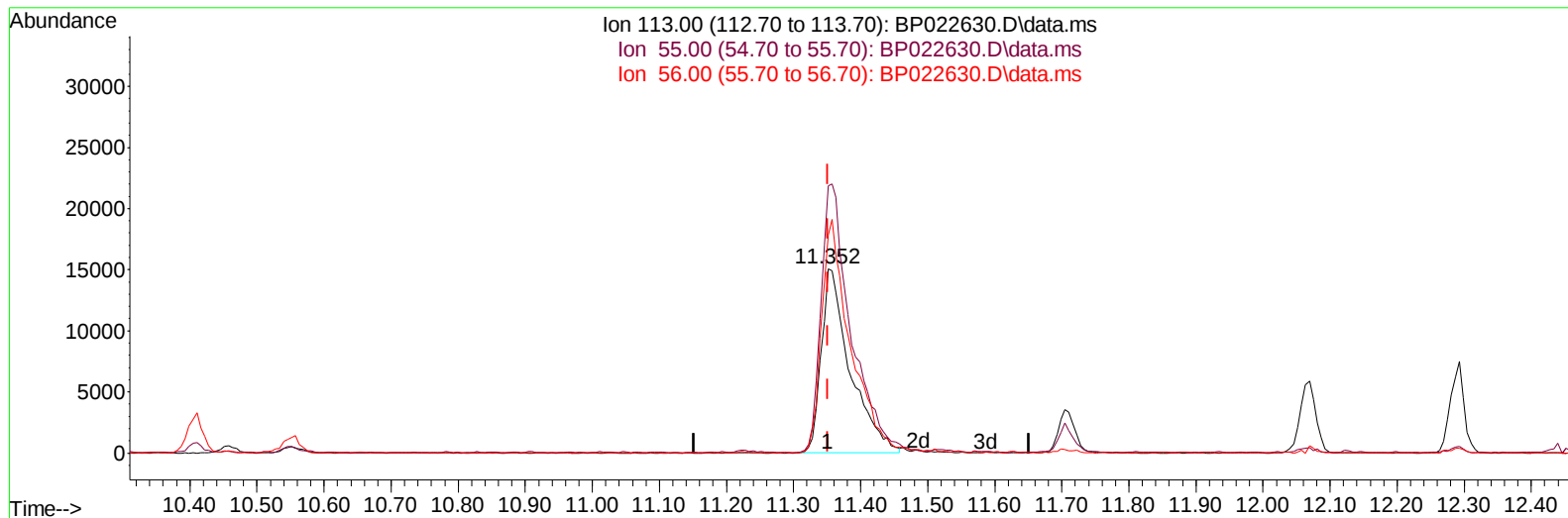
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(34) Caprolactam

11.352min (0.000) 18.55 ng/ul

response 45294

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	162.70	145.14
56.00	130.00	118.34
0.00	0.00	0.00

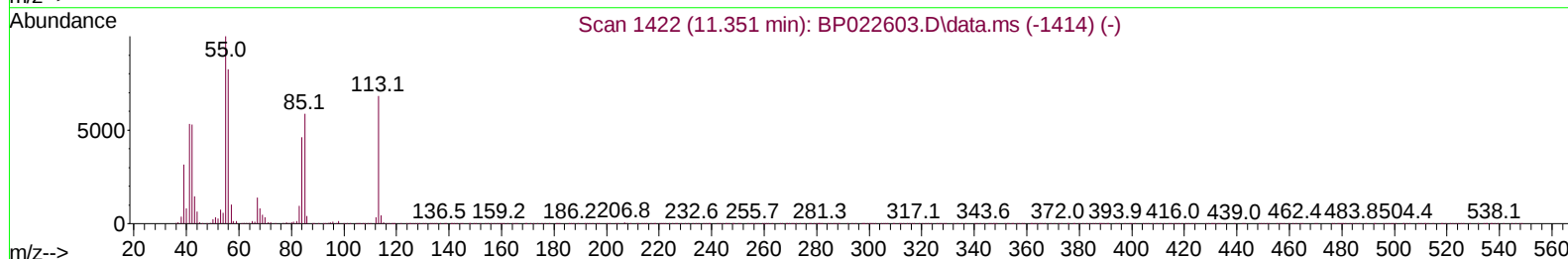
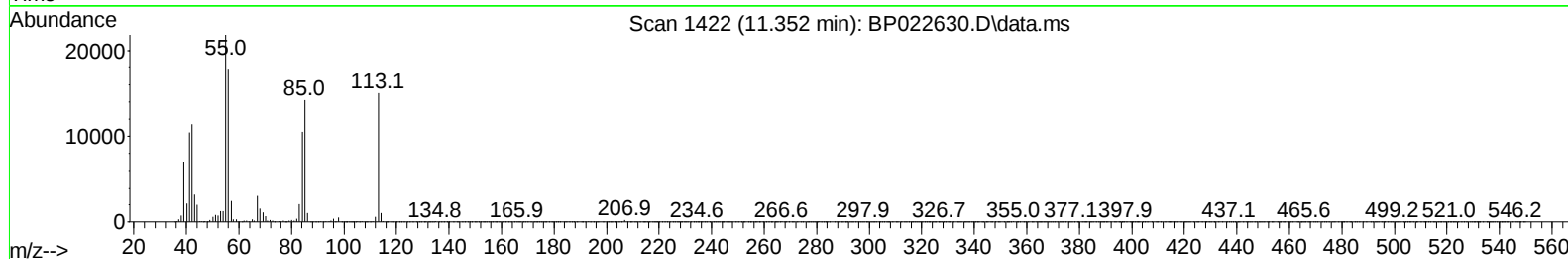
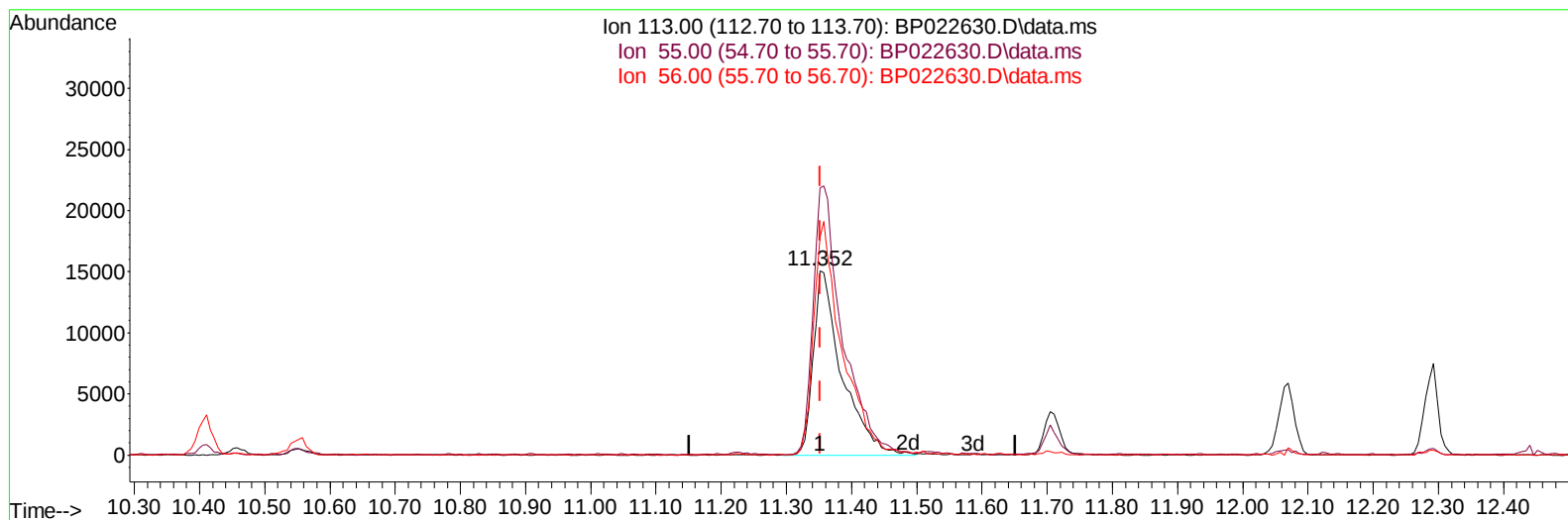
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TIC: BP022630.D\data.ms

(34) Caprolactam

11.352min (0.000) 18.80 ng/ul m

response 45920

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	162.70	145.14
56.00	130.00	118.34
0.00	0.00	0.00

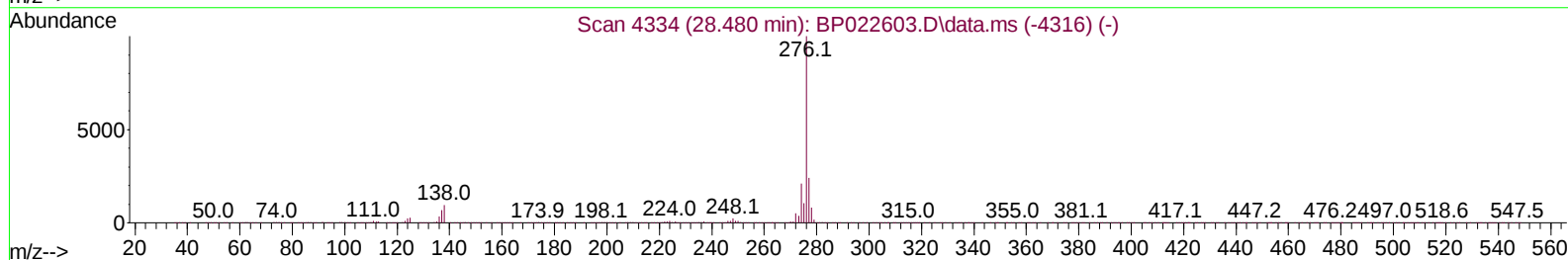
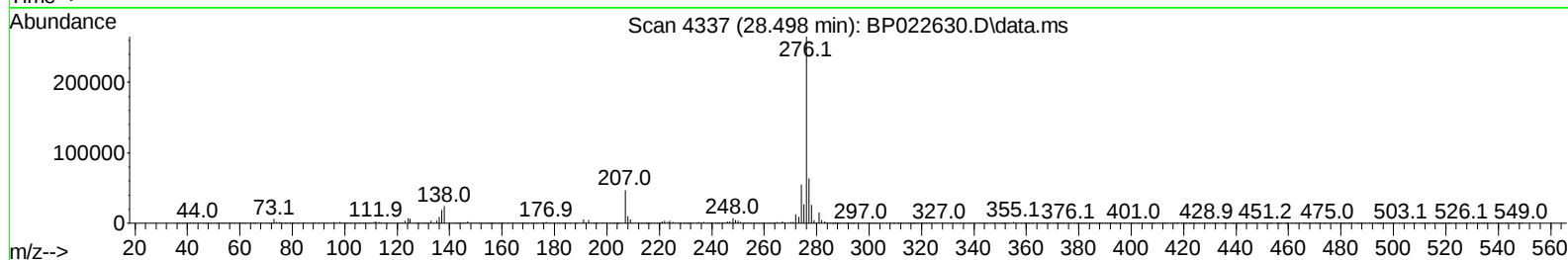
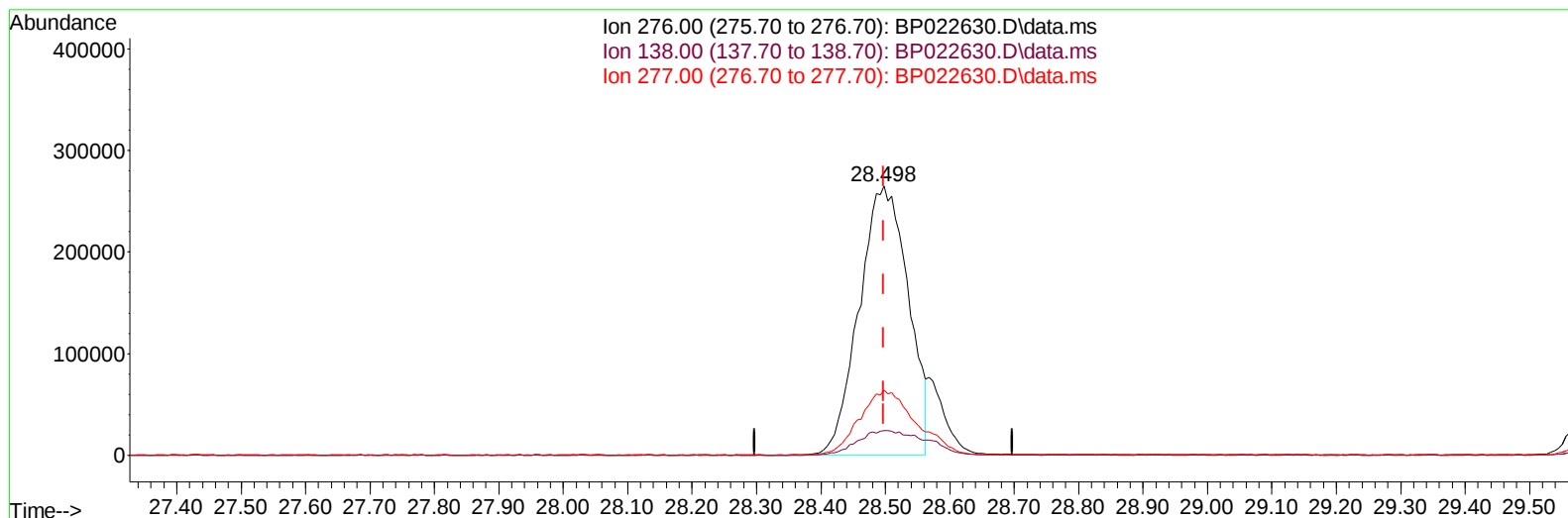
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(94) Indeno(1,2,3-cd)pyrene

28.498min (0.000) 18.68 ng/u1

response 1399675

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	9.11#
277.00	23.20	24.17
0.00	0.00	0.00

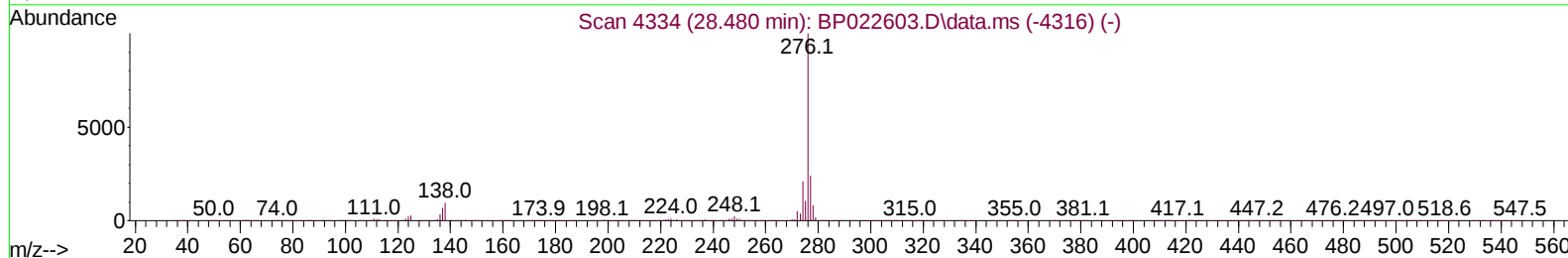
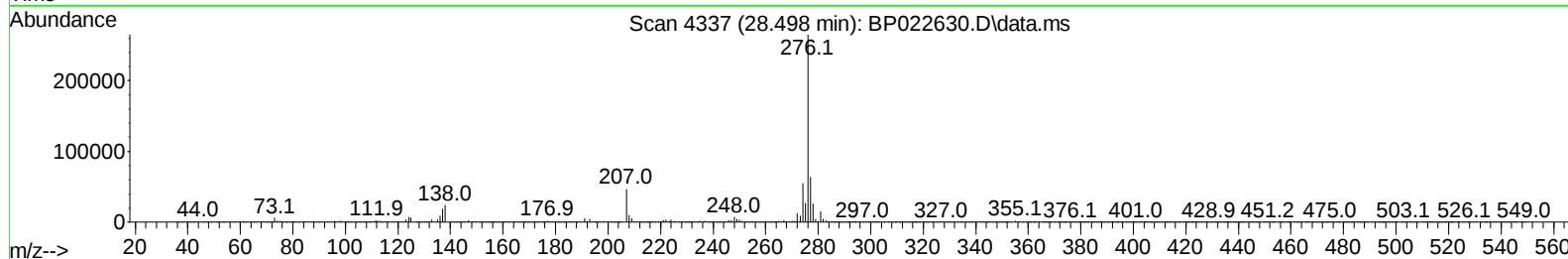
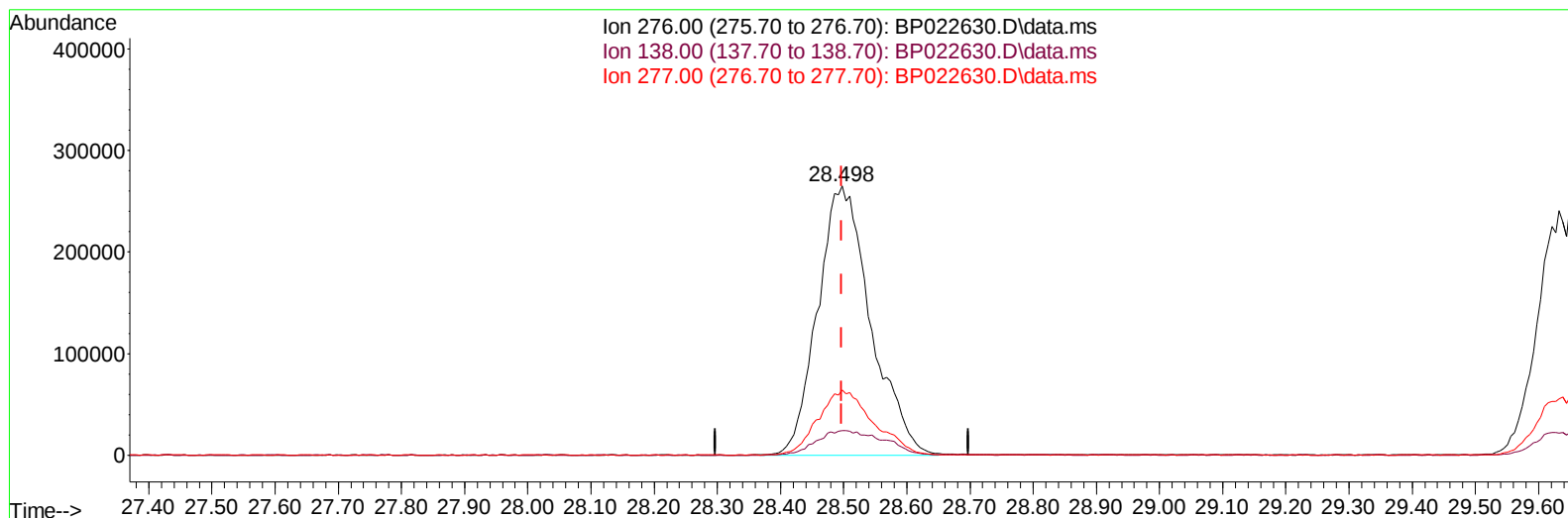
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TIC: BP022630.D\data.ms

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

28.498min (0.000) 20.58 ng/ul m

response 1542071

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	9.11#
277.00	23.20	24.17
0.00	0.00	0.00

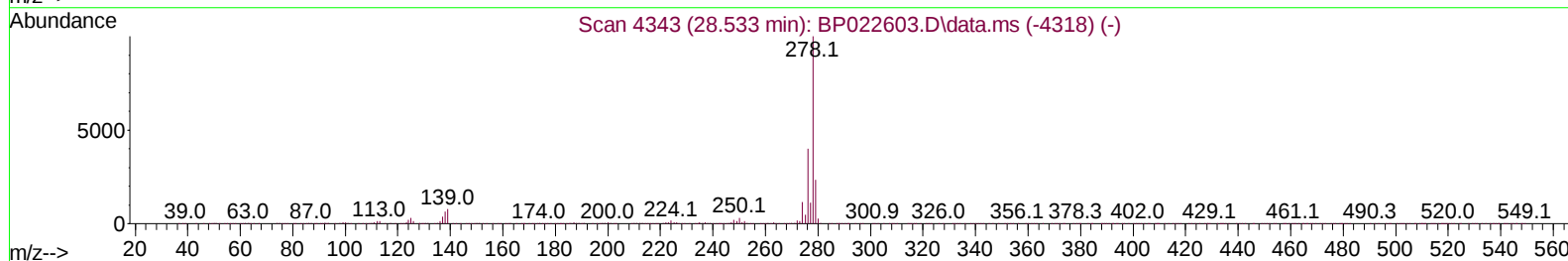
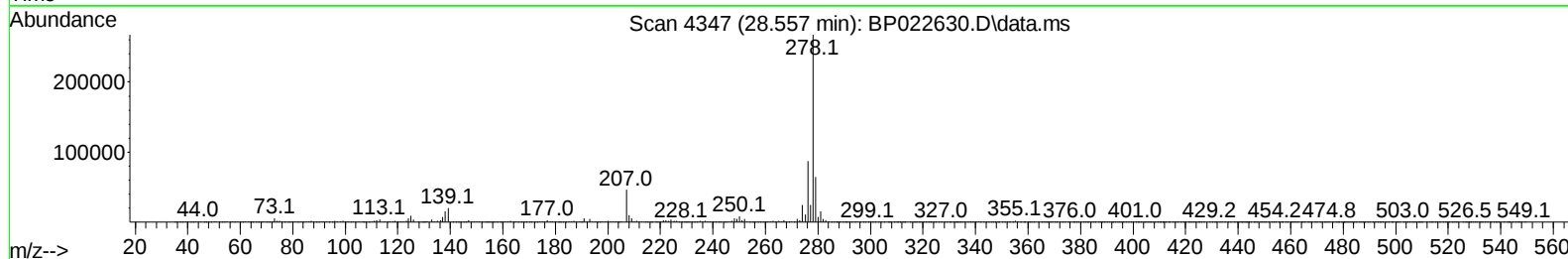
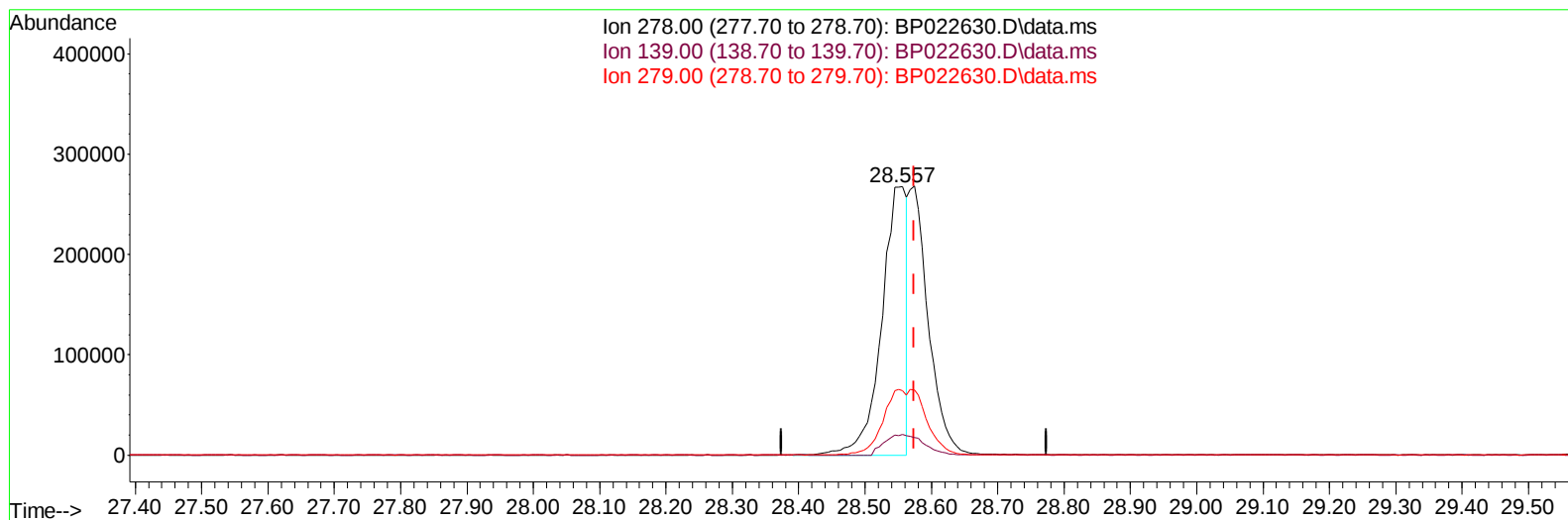
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(95) Dibenzo(a,h)anthracene

28.557min (-0.018) 11.58 ng/u1

response 702609

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.10	7.63
279.00	23.70	24.02
0.00	0.00	0.00

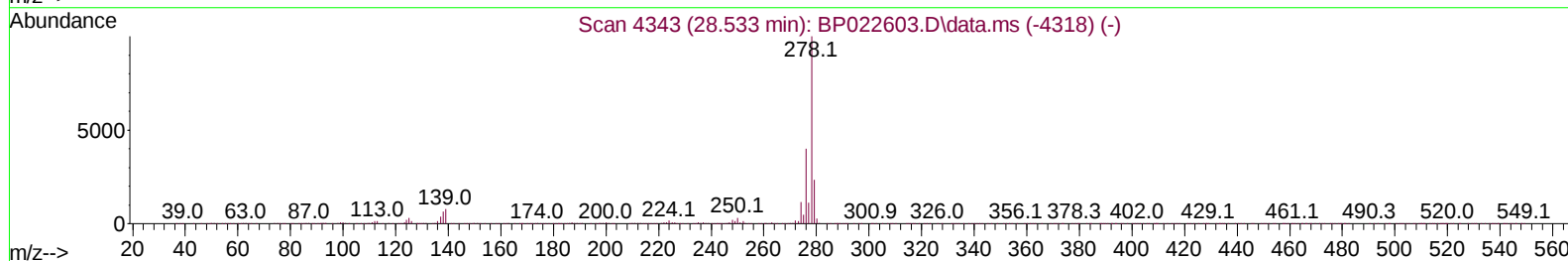
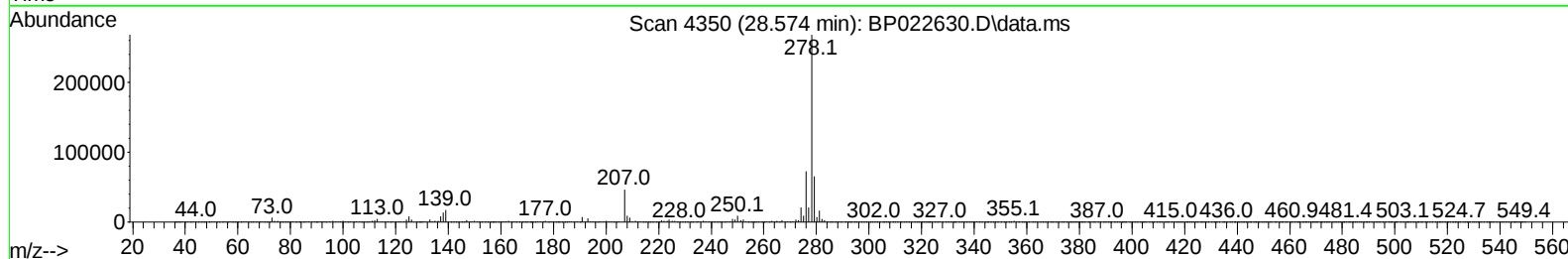
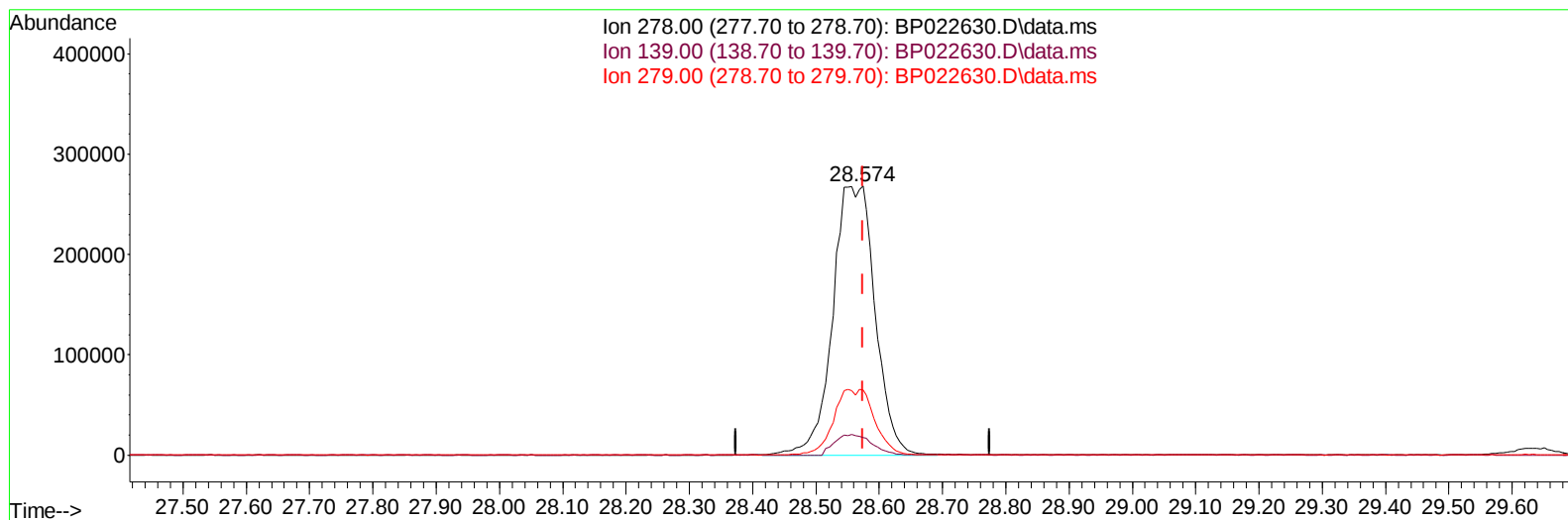
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(95) Dibenzo(a,h)anthracene

28.574min (0.000) 20.54 ng/ul m

response 1246504

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.10	6.45#
279.00	23.70	24.28
0.00	0.00	0.00

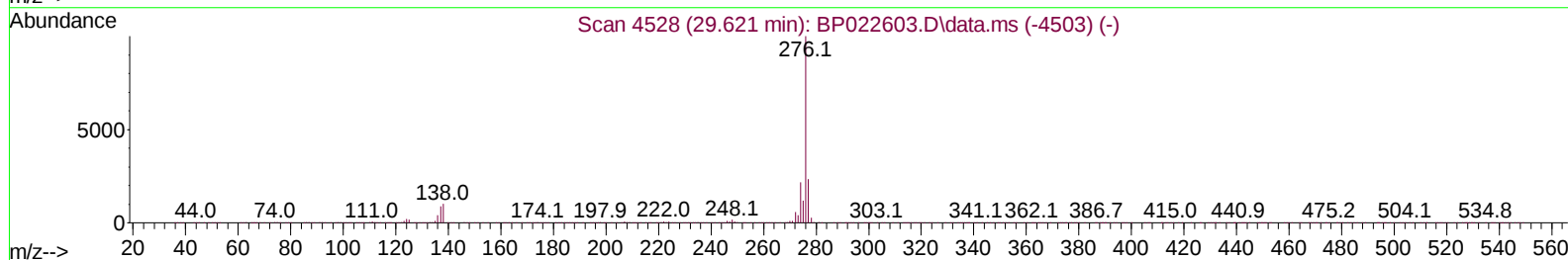
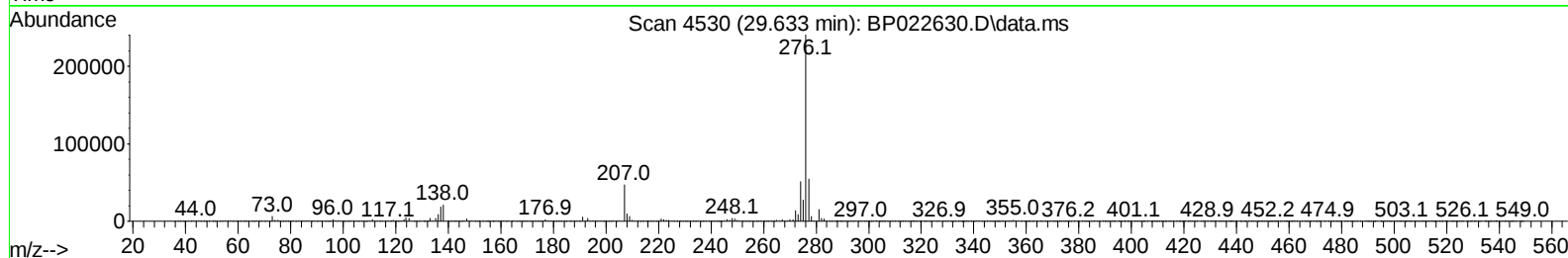
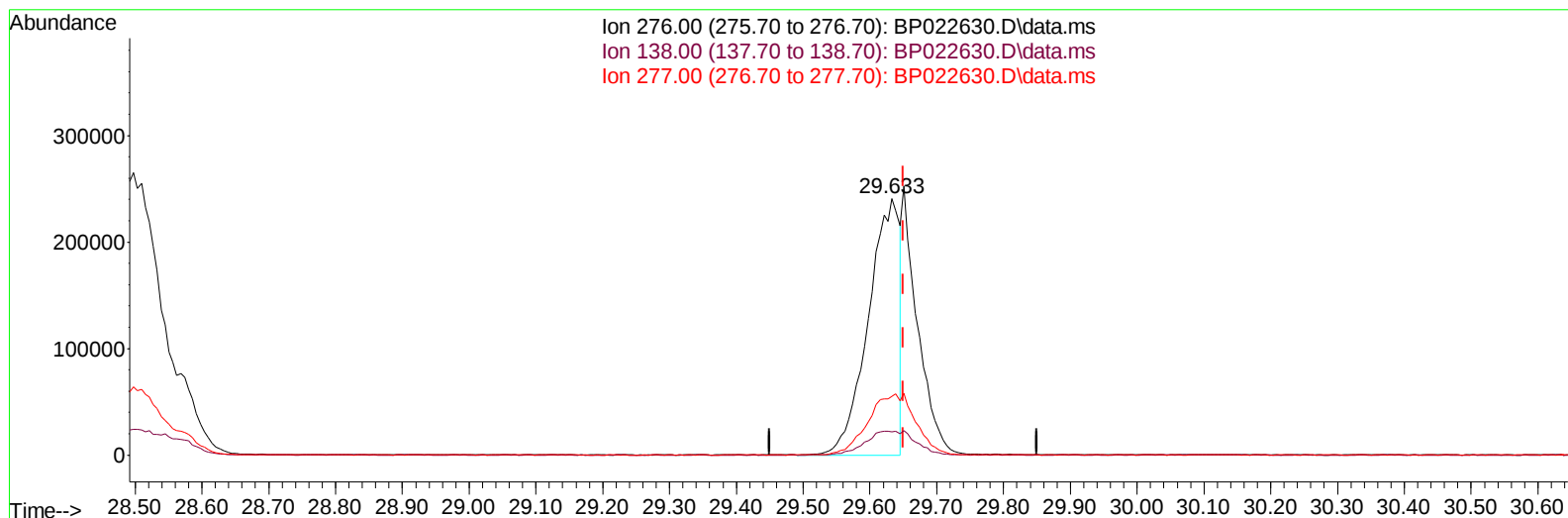
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(96) Benzo(g,h,i)perylene

29.633min (-0.018) 13.37 ng/u1

response 779140

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	8.96
277.00	23.70	22.85
0.00	0.00	0.00

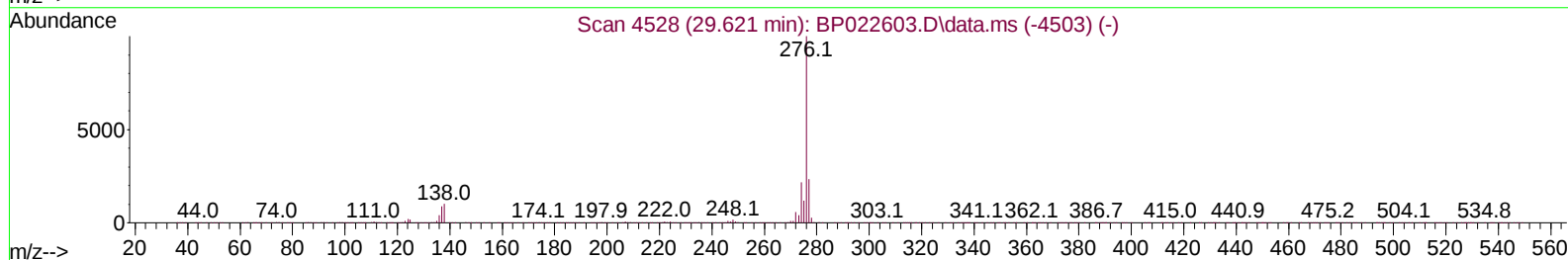
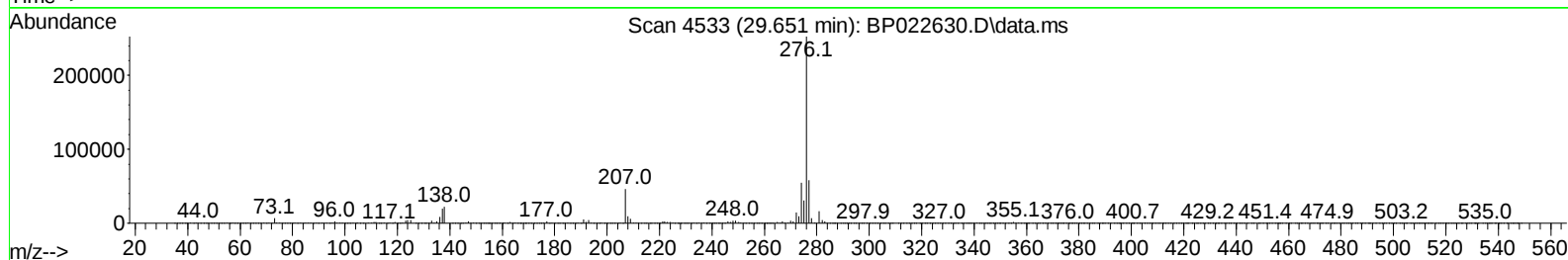
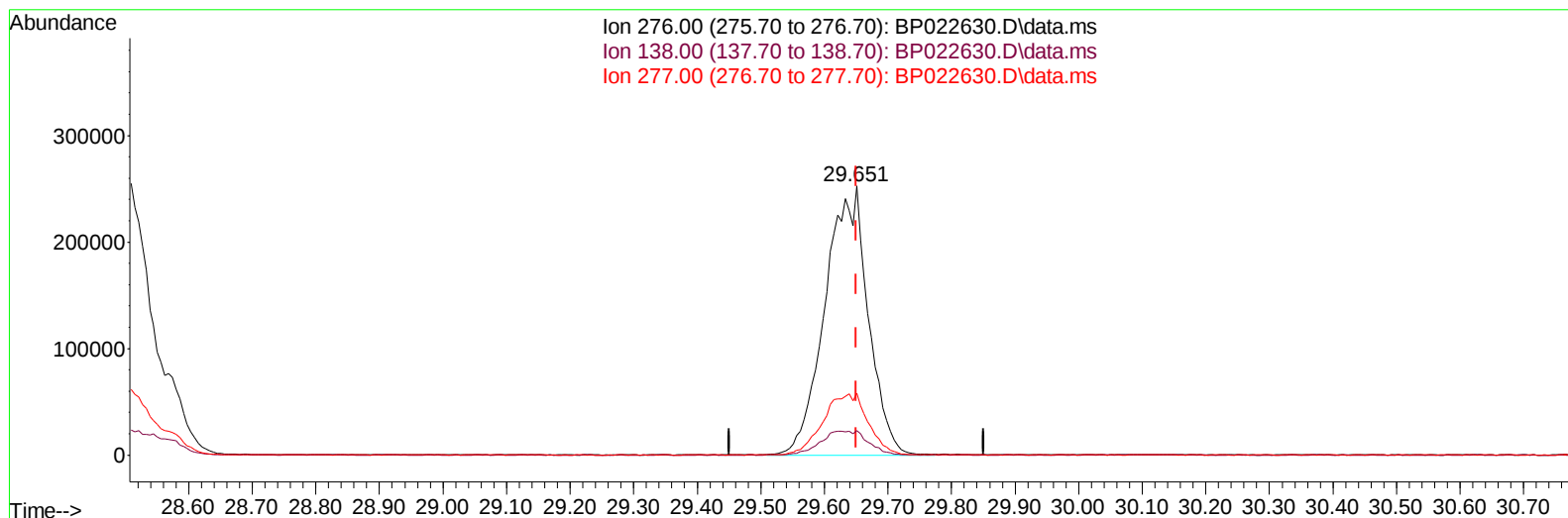
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022630.D
Acq On : 26 Oct 2024 04:50
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020678

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 26 05:57:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration



TIC: BP022630.D\data.ms

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

29.651min (0.000) 20.37 ng/ul m

response 1187757

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	8.99
277.00	23.70	23.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
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SSTD020678

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/26/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 26 06:03:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 26 05:55:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	108904	20.000	ng/ul	0.00
20) Naphthalene-d8	10.410	136	406572	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.269	164	319505	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.069	188	757986	20.000	ng/ul	0.00
79) Chrysene-d12	21.516	240	837756	20.000	ng/ul	0.00
88) Perylene-d12	24.786	264	969446	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	18727	6.682	ng/uL	0.00
4) Pyridine-d5	3.599	84	144126	18.734	ng/ul	0.00
7) Phenol-d5	6.846	99	180266	19.664	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.993	67	98029	18.194	ng/ul	0.00
11) 2-Chlorophenol-d4	7.193	132	136900	21.046	ng/ul	0.00
15) 4-Methylphenol-d8	8.358	113	144231	19.715	ng/ul	0.00
21) Nitrobenzene-d5	8.793	128	66832	21.378	ng/ul	0.00
24) 2-Nitrophenol-d4	9.505	143	79838	22.059	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	167223	21.739	ng/ul	0.00
31) 4-Chloroaniline-d4	10.552	131	182530	20.082	ng/ul	0.00
46) Dimethylphthalate-d6	13.675	166	491648	19.367	ng/ul	0.00
49) Acenaphthylene-d8	13.957	160	554430	20.563	ng/ul	0.00
54) 4-Nitrophenol-d4	14.510	143	80778	18.968	ng/ul	0.00
60) Fluorene-d10	15.281	176	446333	20.271	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	88517	17.756	ng/ul	0.00
73) Anthracene-d10	17.169	188	740068	20.755	ng/ul	0.00
81) Pyrene-d10	19.551	212	958054	21.625	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.563	264	1065742	20.585	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	19880	6.597	ng/uL	96
5) Pyridine	3.617	79	143664	18.212	ng/ul	94
6) Benzaldehyde	6.811	77	109126	22.028	ng/ul	95
8) Phenol	6.869	94	185625	19.462	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.087	93	135983	19.050	ng/ul	98
12) 2-Chlorophenol	7.222	128	137527	20.446	ng/ul	97
13) 2-Methylphenol	8.093	108	135619	19.593	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.158	45	152395	18.370	ng/ul	98
16) Acetophenone	8.463	105	232340	19.237	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.446	70	119063	19.457	ng/ul	97
18) 4-Methylphenol	8.422	108	150588	19.611	ng/ul	92
19) Hexachloroethane	8.705	117	63201	20.175	ng/ul	98
22) Nitrobenzene	8.834	77	185875	19.919	ng/ul	98
23) Isophorone	9.358	82	327511	19.575	ng/ul	98
25) 2-Nitrophenol	9.534	139	83898	21.509	ng/ul	97
26) 2,4-Dimethylphenol	9.599	107	174645	20.600	ng/ul	95
27) Bis(2-Chloroethoxy)met...	9.828	93	184855	19.459	ng/ul	99
29) 2,4-Dichlorophenol	10.069	162	165274	21.818	ng/ul	97
30) Naphthalene	10.457	128	446517	20.619	ng/ul	98
32) 4-Chloroaniline	10.575	127	179536	20.010	ng/ul	97
33) Hexachlorobutadiene	10.740	225	136511	21.382	ng/ul	97
34) Caprolactam	11.352	113	45920m	18.803	ng/ul	
35) 4-Chloro-3-methylphenol	11.710	107	176367	21.339	ng/ul	99

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BNA_P

ClientSampleId :

SSTD020678

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/26/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 26 06:03:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 26 05:55:04 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.069	142	328797	20.684	ng/ul	95
37) 1-Methylnaphthalene	12.293	142	334106	20.593	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.440	216	249157	21.090	ng/ul	96
40) Hexachlorocyclopentadiene	12.416	237	119773	16.640	ng/ul	97
41) 2,4,6-Trichlorophenol	12.693	196	156842	21.106	ng/ul	100
42) 2,4,5-Trichlorophenol	12.775	196	168219	21.260	ng/ul	96
43) 1,1'-Biphenyl	13.093	154	474109	20.587	ng/ul	99
44) 2-Chloronaphthalene	13.134	162	388145	20.589	ng/ul	97
45) 2-Nitroaniline	13.346	65	109768	19.500	ng/ul	96
47) Dimethylphthalate	13.722	163	484640	19.159	ng/ul	100
48) 2,6-Dinitrotoluene	13.851	165	102907	21.508	ng/ul	94
50) Acenaphthylene	13.987	152	559783	20.005	ng/ul	99
51) 3-Nitroaniline	14.187	138	95233	21.192	ng/ul	99
52) Acenaphthene	14.328	153	399727	20.201	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	56276	15.986	ng/ul	95
55) 4-Nitrophenol	14.522	109	93989	19.885	ng/ul	92
56) Dibenzofuran	14.675	168	595432	20.033	ng/ul	100
57) 2,4-Dinitrotoluene	14.651	165	154273	20.750	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.916	232	154653	20.940	ng/ul	98
59) Diethylphthalate	15.104	149	463262	19.089	ng/ul	99
61) Fluorene	15.334	166	489592	20.216	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.328	204	273177	19.725	ng/ul	99
63) 4-Nitroaniline	15.363	138	101544	22.456	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.434	198	97475	18.153	ng/ul	93
67) N-Nitrosodiphenylamine	15.557	169	414095	20.400	ng/ul	98
68) 4-Bromophenyl-phenylether	16.251	248	194255	21.252	ng/ul	95
69) Hexachlorobenzene	16.363	284	245366	21.808	ng/ul	98
70) Atrazine	16.539	200	173075	20.513	ng/ul	93
71) Pentachlorophenol	16.716	266	156072	21.574	ng/ul	95
72) Phenanthrene	17.110	178	824207	20.324	ng/ul	99
74) Anthracene	17.216	178	840373	20.766	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.057	216	249282	21.599	ng/uL	96
76) Pentachlorobenzene	14.598	250	270961	21.238	ng/uL	98
77) Carbazole	17.492	167	732914	20.467	ng/ul	99
78) Di-n-butylphthalate	18.075	149	791111	19.966	ng/ul	100
80) Fluoranthene	19.204	202	1111980	21.833	ng/ul	98
82) Pyrene	19.581	202	1161353	21.275	ng/ul	99
83) Butylbenzylphthalate	20.539	149	395897	20.831	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.416	252	394581	19.759	ng/ul	97
85) Benzo(a)anthracene	21.498	228	1194804	20.344	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.422	149	556677	20.406	ng/ul	100
87) Chrysene	21.569	228	1095192	20.111	ng/ul	99
89) Di-n-octyl phthalate	22.674	149	919655	19.943	ng/ul	100
90) Benzo(b)fluoranthene	23.757	252	1232266	20.193	ng/ul#	97
91) Benzo(k)fluoranthene	23.816	252	1240355	20.761	ng/ul	99
93) Benzo(a)pyrene	24.627	252	1143533	20.361	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.498	276	1542071m	20.576	ng/ul	
95) Dibenzo(a,h)anthracene	28.574	278	1246504m	20.539	ng/ul	
96) Benzo(g,h,i)perylene	29.651	276	1187757m	20.375	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

SSTD020678

Manual Integrations

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Reviewed By :Yogesh Patel 10/26/2024

Supervised By :mohammad ahmed 10/29/2024

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