

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070524\
 Data File : BP020798.D
 Acq On : 05 Jul 2024 22:18
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020673

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 22:58:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	238076	20.000	ng/u1	0.00
20) Naphthalene-d8	10.493	136	996427	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.345	164	646992	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.169	188	1399635	20.000	ng/u1	0.00
79) Chrysene-d12	21.616	240	1317802	20.000	ng/u1	0.00
88) Perylene-d12	24.951	264	1517712	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	37186	6.707	ng/uL	0.00
4) Pyridine-d5	3.675	84	279018	17.268	ng/u1	0.00
7) Phenol-d5	6.916	99	362961	18.588	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	219517	17.733	ng/u1	0.00
11) 2-Chlorophenol-d4	7.269	132	303895	19.043	ng/u1	0.00
15) 4-Methylphenol-d8	8.434	113	306129	19.303	ng/u1	0.00
21) Nitrobenzene-d5	8.875	128	150194	20.416	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.587	143	168327	22.865	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.128	165	307673	20.289	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	411951	19.384	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	898074	19.964	ng/u1	0.00
49) Acenaphthylene-d8	14.040	160	1020031	19.003	ng/u1	0.00
54) 4-Nitrophenol-d4	14.587	143	155486	22.622	ng/u1	0.00
60) Fluorene-d10	15.363	176	749106	19.789	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.498	200	142901	20.260	ng/u1	0.00
73) Anthracene-d10	17.263	188	1209244	19.251	ng/u1	0.00
81) Pyrene-d10	19.651	212	1407627	17.780	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.733	264	1416201	19.183	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	39350	6.342	ng/uL	96
5) Pyridine	3.693	79	287029	17.149	ng/u1	97
6) Benzaldehyde	6.887	77	220958	22.376	ng/u1	98
8) Phenol	6.940	94	367850	18.473	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.163	93	300115	18.204	ng/u1	96
12) 2-Chlorophenol	7.305	128	303420	18.913	ng/u1	99
13) 2-Methylphenol	8.169	108	283998	18.589	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.240	45	429213	17.132	ng/u1	98
16) Acetophenone	8.546	105	464573	18.343	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.528	70	228840	16.999	ng/u1	97
18) 4-Methylphenol	8.493	108	308654	19.086	ng/u1	96
19) Hexachloroethane	8.787	117	123551	17.741	ng/u1	94
22) Nitrobenzene	8.916	77	357040	18.722	ng/u1	98
23) Isophorone	9.440	82	661020	17.493	ng/u1	98
25) 2-Nitrophenol	9.622	139	177615	22.340	ng/u1	95
26) 2,4-Dimethylphenol	9.681	107	339623	18.341	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.910	93	407306	18.119	ng/u1	99
29) 2,4-Dichlorophenol	10.152	162	303086	20.193	ng/u1	96
30) Naphthalene	10.546	128	988172	18.528	ng/u1	100
32) 4-Chloroaniline	10.657	127	393268	19.220	ng/u1	99
33) Hexachlorobutadiene	10.822	225	219368	19.549	ng/u1	100
34) Caprolactam	11.451	113	96082	21.035	ng/u1	90
35) 4-Chloro-3-methylphenol	11.787	107	323646	19.529	ng/u1	95
36) 2-Methylnaphthalene	12.151	142	669709	18.746	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.369	142	695707	19.049	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.522	216	400542	19.363	ng/ul	99
40) Hexachlorocyclopentadiene	12.493	237	233999	18.175	ng/ul	98
41) 2,4,6-Trichlorophenol	12.769	196	256754	20.807	ng/ul	98
42) 2,4,5-Trichlorophenol	12.846	196	274145	21.420	ng/ul	96
43) 1,1'-Biphenyl	13.175	154	889818	18.390	ng/ul	98
44) 2-Chloronaphthalene	13.216	162	712360	18.692	ng/ul	98
45) 2-Nitroaniline	13.434	65	209907	21.868	ng/ul	91
47) Dimethylphthalate	13.810	163	906500	19.782	ng/ul	99
48) 2,6-Dinitrotoluene	13.928	165	185953	22.758	ng/ul	95
50) Acenaphthylene	14.069	152	1142775	18.847	ng/ul	100
51) 3-Nitroaniline	14.269	138	187158	24.645	ng/ul	92
52) Acenaphthene	14.416	153	753999	18.746	ng/ul	99
53) 2,4-Dinitrophenol	14.487	184	94472	22.290	ng/ul	95
55) 4-Nitrophenol	14.598	109	125910	20.471	ng/ul	94
56) Dibenzofuran	14.757	168	1046633	19.311	ng/ul	98
57) 2,4-Dinitrotoluene	14.740	165	273828	24.278	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.992	232	236327	22.357	ng/ul#	96
59) Diethylphthalate	15.198	149	906893	20.064	ng/ul	99
61) Fluorene	15.422	166	857434	19.690	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.416	204	448207	19.724	ng/ul	98
63) 4-Nitroaniline	15.457	138	192702	26.737	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.516	198	151995	20.117	ng/ul	92
67) N-Nitrosodiphenylamine	15.645	169	739967	17.927	ng/ul	99
68) 4-Bromophenyl-phenylether	16.339	248	289009	18.512	ng/ul	96
69) Hexachlorobenzene	16.445	284	337418	19.307	ng/ul	94
70) Atrazine	16.634	200	286315	19.676	ng/ul	99
71) Pentachlorophenol	16.804	266	204423	20.317	ng/ul	98
72) Phenanthrene	17.210	178	1390603	18.973	ng/ul	100
74) Anthracene	17.304	178	1416822	18.793	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.134	216	392901	17.293	ng/uL	99
76) Pentachlorobenzene	14.669	250	391003	18.057	ng/uL	98
77) Carbazole	17.592	167	1257367	20.209	ng/ul	99
78) Di-n-butylphthalate	18.181	149	1591317	19.692	ng/ul	100
80) Fluoranthene	19.298	202	1696057	17.539	ng/ul	99
82) Pyrene	19.680	202	1731953	17.463	ng/ul	99
83) Butylbenzylphthalate	20.633	149	745378	20.240	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.522	252	557742	19.143	ng/ul	96
85) Benzo(a)anthracene	21.592	228	1737814	18.814	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.522	149	1030536	18.023	ng/ul	100
87) Chrysene	21.663	228	1617997	18.532	ng/ul	99
89) Di-n-octyl phthalate	22.798	149	1860899	19.099	ng/ul	100
90) Benzo(b)fluoranthene	23.898	252	1729757	18.813	ng/ul	98
91) Benzo(k)fluoranthene	23.963	252	1731349	18.615	ng/ul	99
93) Benzo(a)pyrene	24.804	252	1640314	18.899	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.745	276	2023887m	18.180	ng/ul	
95) Dibenzo(a,h)anthracene	28.809	278	1671183	18.265	ng/ul	98
96) Benzo(g,h,i)perylene	29.915	276	1614537m	17.763	ng/ul	

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

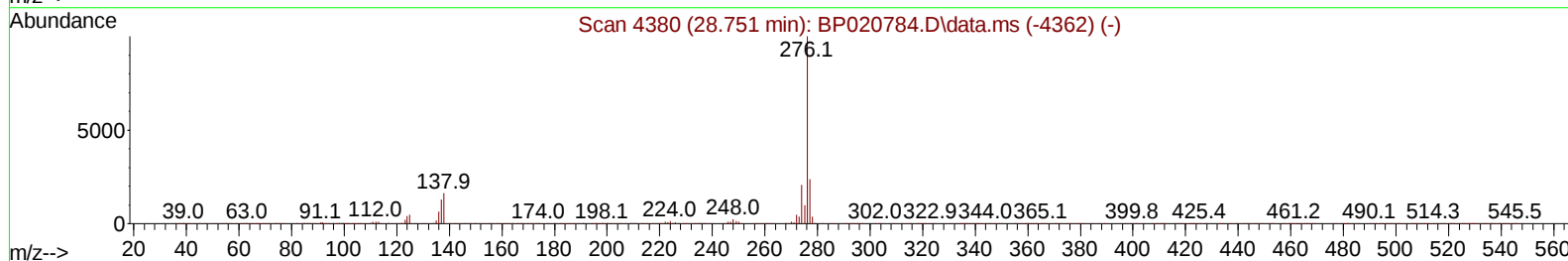
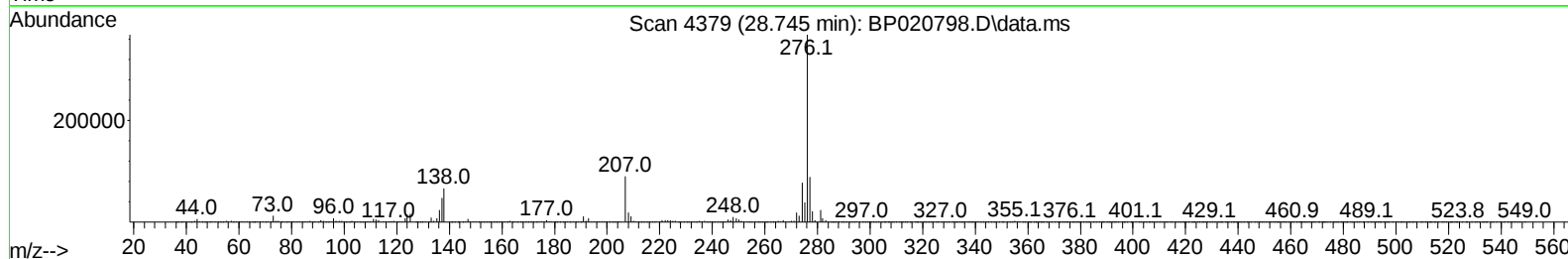
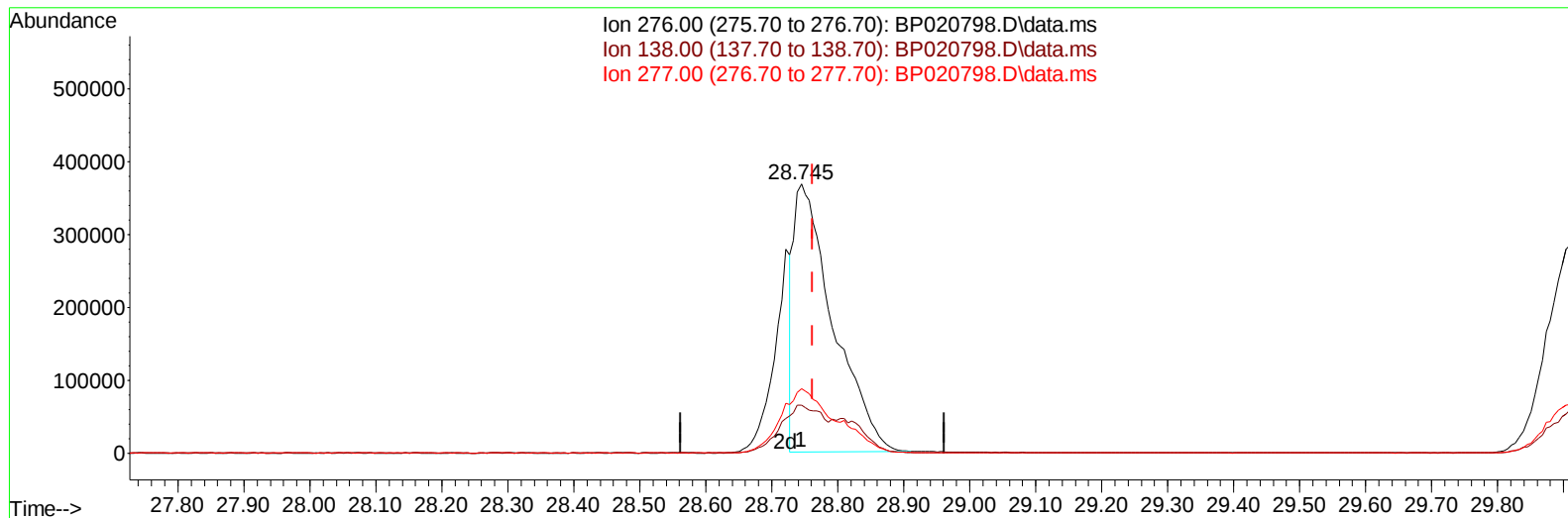
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(94) Indeno(1,2,3-cd)pyrene

28.745min (-0.018) 13.62 ng/u1

response 1516291

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.00	17.85
277.00	23.70	23.91
0.00	0.00	0.00

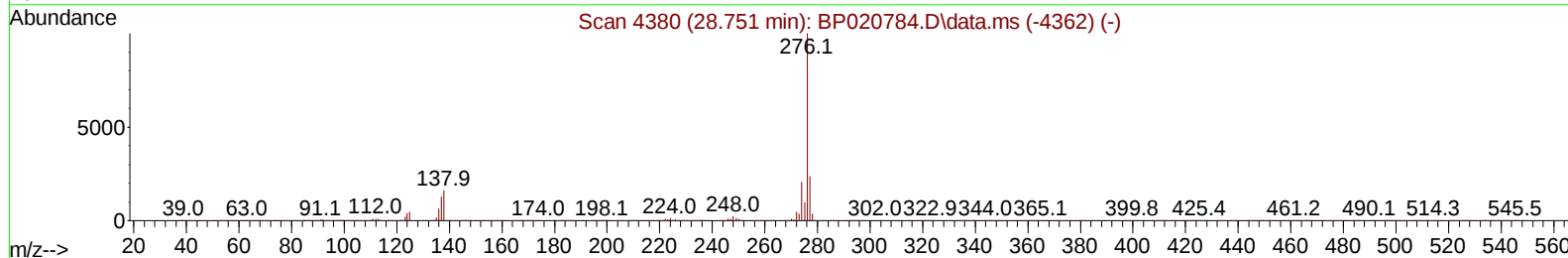
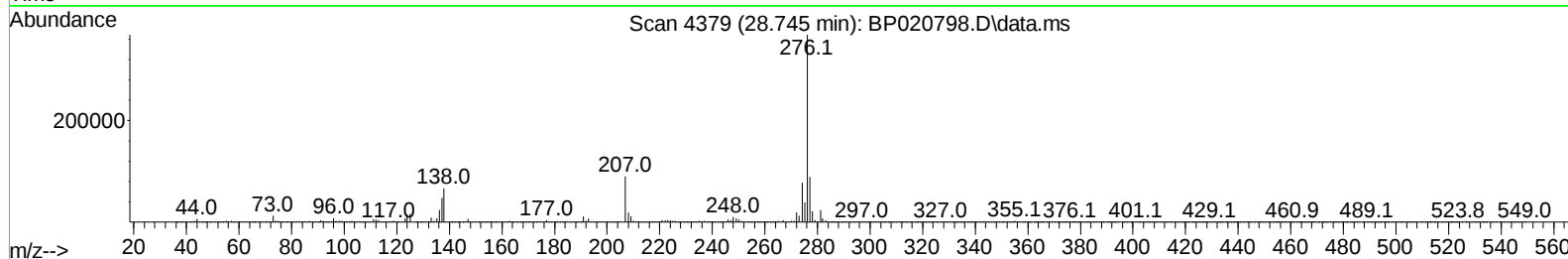
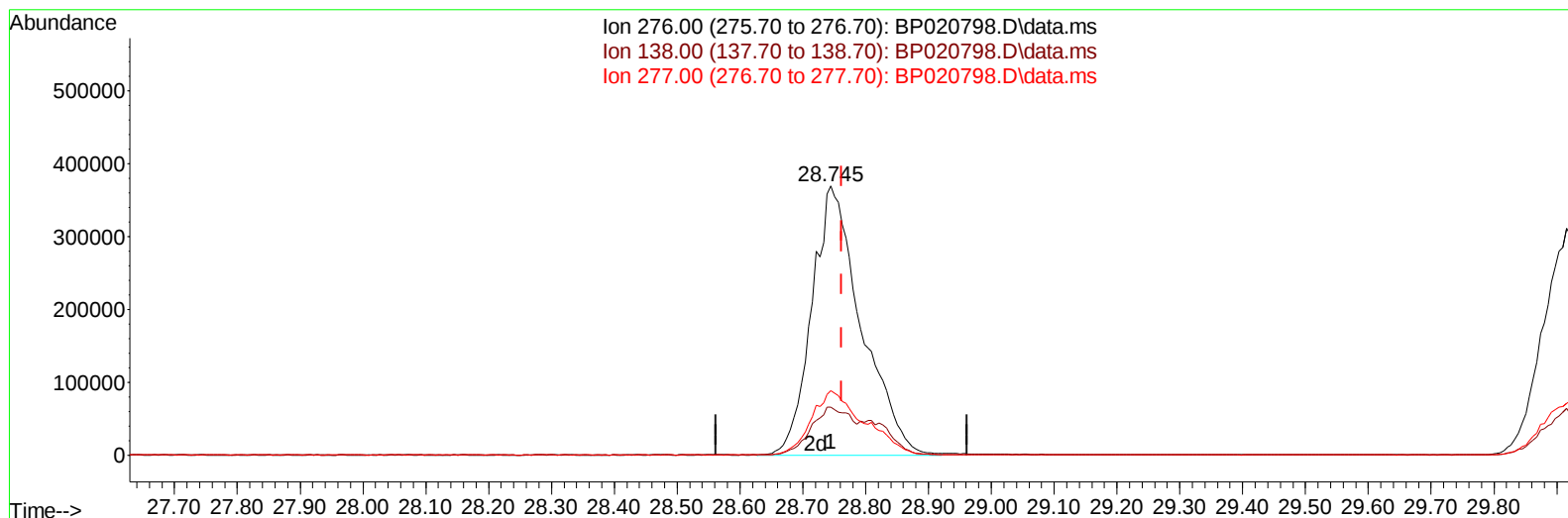
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TIC: BP020798.D\data.ms

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

28.745min (-0.018) 18.18 ng/ul m

response 2023887

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.00	17.85
277.00	23.70	23.91
0.00	0.00	0.00

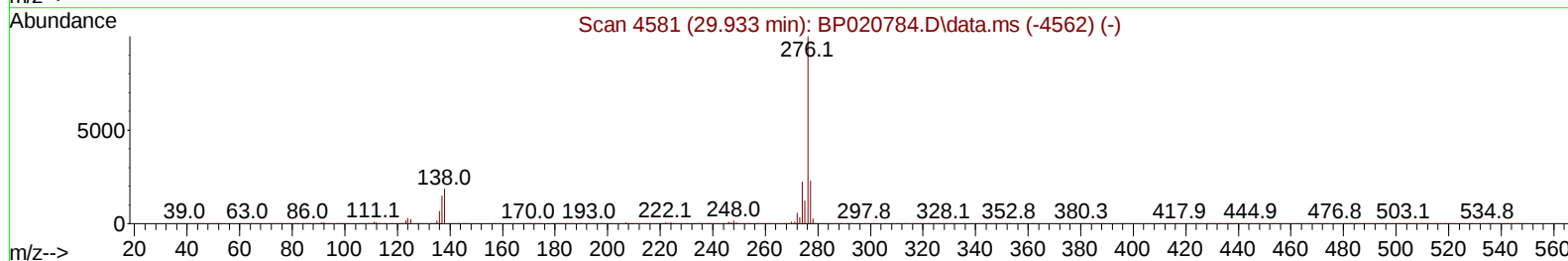
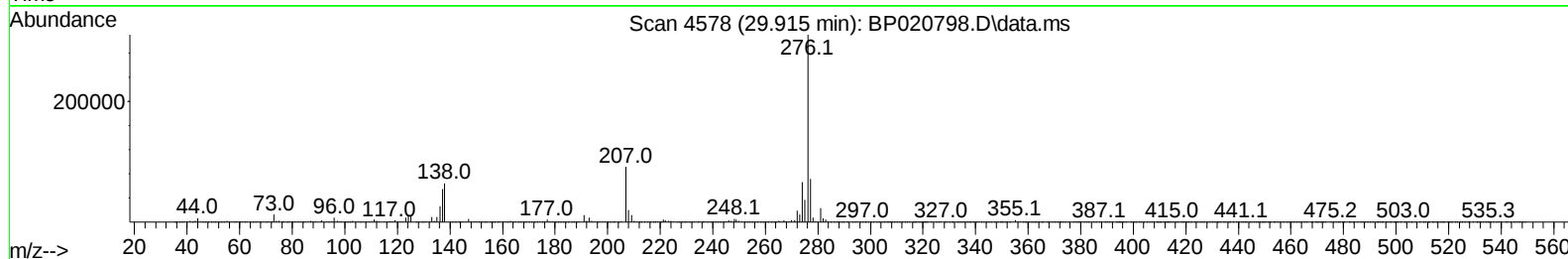
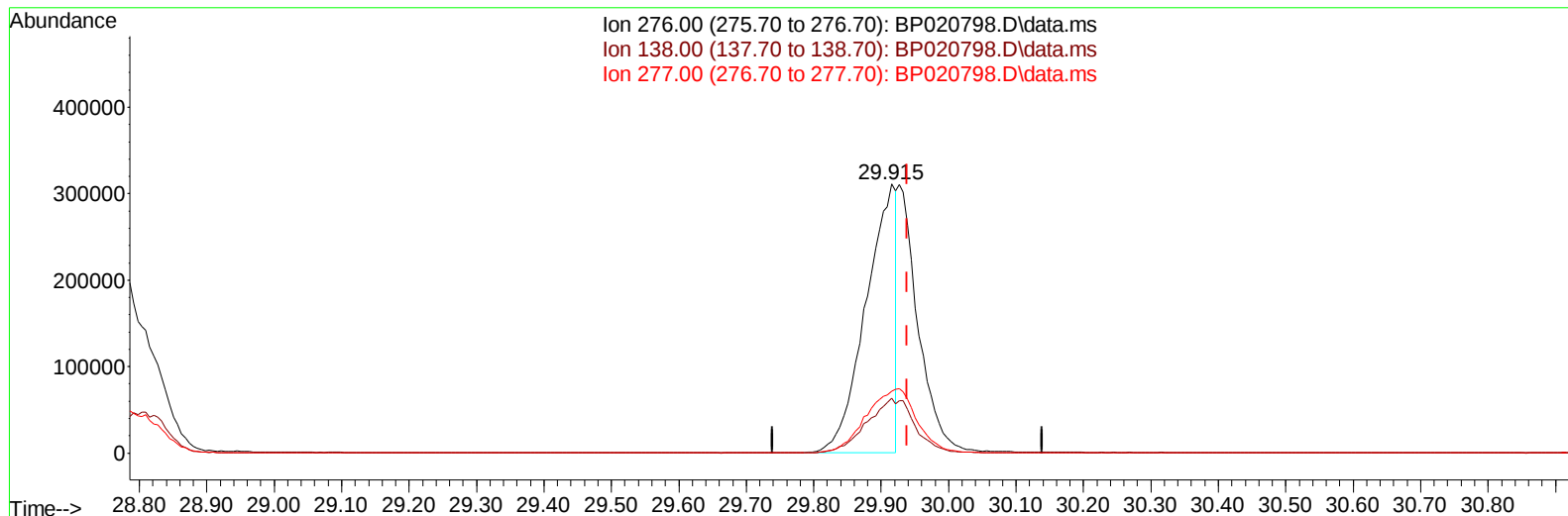
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TIC: BP020798.D\data.ms

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

29.915min (-0.024) 10.57 ng/u1

response 960506

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.50	20.52
277.00	23.40	22.94
0.00	0.00	0.00

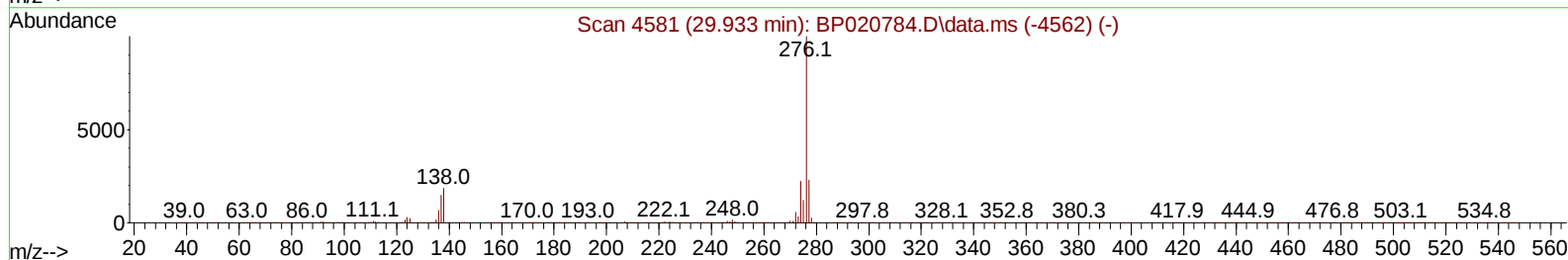
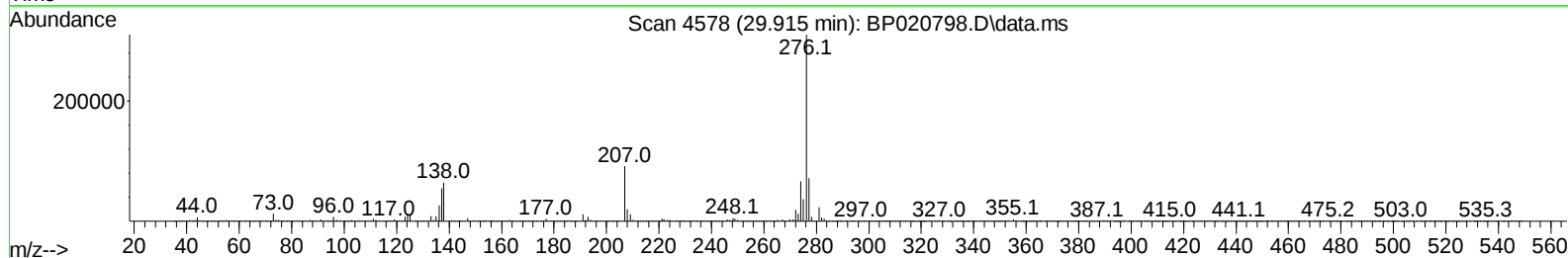
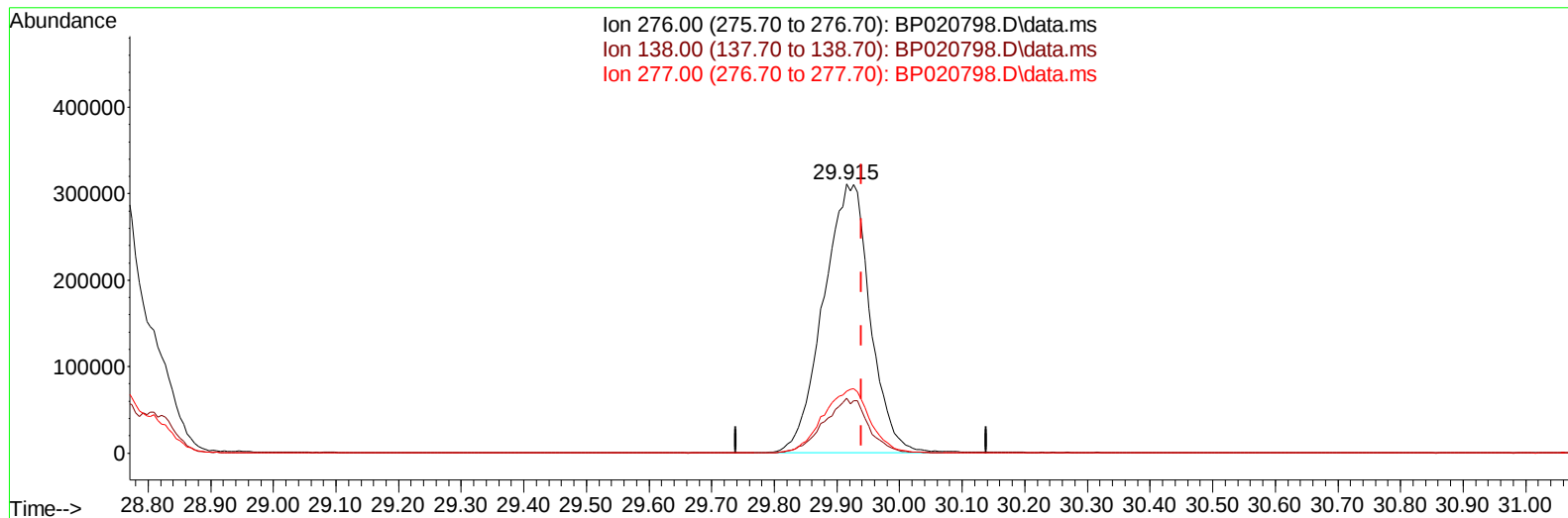
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(96) Benzo(g,h,i)perylene

29.915min (-0.024) 17.76 ng/ul m

response 1614537

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.50	20.52
277.00	23.40	22.94
0.00	0.00	0.00

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Quant Time: Jul 05 22:58:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.151	142	669709	18.746	ng/ul	100
37) 1-Methylnaphthalene	12.369	142	695707	19.049	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.522	216	400542	19.363	ng/ul	99
40) Hexachlorocyclopentadiene	12.493	237	233999	18.175	ng/ul	98
41) 2,4,6-Trichlorophenol	12.769	196	256754	20.807	ng/ul	98
42) 2,4,5-Trichlorophenol	12.846	196	274145	21.420	ng/ul	96
43) 1,1'-Biphenyl	13.175	154	889818	18.390	ng/ul	98
44) 2-Chloronaphthalene	13.216	162	712360	18.692	ng/ul	98
45) 2-Nitroaniline	13.434	65	209907	21.868	ng/ul	91
47) Dimethylphthalate	13.810	163	906500	19.782	ng/ul	99
48) 2,6-Dinitrotoluene	13.928	165	185953	22.758	ng/ul	95
50) Acenaphthylene	14.069	152	1142775	18.847	ng/ul	100
51) 3-Nitroaniline	14.269	138	187158	24.645	ng/ul	92
52) Acenaphthene	14.416	153	753999	18.746	ng/ul	99
53) 2,4-Dinitrophenol	14.487	184	94472	22.290	ng/ul	95
55) 4-Nitrophenol	14.598	109	125910	20.471	ng/ul	94
56) Dibenzofuran	14.757	168	1046633	19.311	ng/ul	98
57) 2,4-Dinitrotoluene	14.740	165	273828	24.278	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.992	232	236327	22.357	ng/ul#	96
59) Diethylphthalate	15.198	149	906893	20.064	ng/ul	99
61) Fluorene	15.422	166	857434	19.690	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.416	204	448207	19.724	ng/ul	98
63) 4-Nitroaniline	15.457	138	192702	26.737	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.516	198	151995	20.117	ng/ul	92
67) N-Nitrosodiphenylamine	15.645	169	739967	17.927	ng/ul	99
68) 4-Bromophenyl-phenylether	16.339	248	289009	18.512	ng/ul	96
69) Hexachlorobenzene	16.445	284	337418	19.307	ng/ul	94
70) Atrazine	16.634	200	286315	19.676	ng/ul	99
71) Pentachlorophenol	16.804	266	204423	20.317	ng/ul	98
72) Phenanthrene	17.210	178	1390603	18.973	ng/ul	100
74) Anthracene	17.304	178	1416822	18.793	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.134	216	392901	17.293	ng/uL	99
76) Pentachlorobenzene	14.669	250	391003	18.057	ng/uL	98
77) Carbazole	17.592	167	1257367	20.209	ng/ul	99
78) Di-n-butylphthalate	18.181	149	1591317	19.692	ng/ul	100
80) Fluoranthene	19.298	202	1696057	17.539	ng/ul	99
82) Pyrene	19.680	202	1731953	17.463	ng/ul	99
83) Butylbenzylphthalate	20.633	149	745378	20.240	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.522	252	557742	19.143	ng/ul	96
85) Benzo(a)anthracene	21.592	228	1737814	18.814	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.522	149	1030536	18.023	ng/ul	100
87) Chrysene	21.663	228	1617997	18.532	ng/ul	99
89) Di-n-octyl phthalate	22.798	149	1860899	19.099	ng/ul	100
90) Benzo(b)fluoranthene	23.898	252	1729757	18.813	ng/ul	98
91) Benzo(k)fluoranthene	23.963	252	1731349	18.615	ng/ul	99
93) Benzo(a)pyrene	24.804	252	1640314	18.899	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.745	276	2023887m	18.180	ng/ul	
95) Dibenzo(a,h)anthracene	28.809	278	1671183	18.265	ng/ul	98
96) Benzo(g,h,i)perylene	29.915	276	1614537m	17.763	ng/ul	

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