

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100124\
 Data File : BP022129.D
 Acq On : 01 Oct 2024 10:26
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020779

Quant Time: Oct 01 23:18:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 24 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :mohammad ahmed 10/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	99596	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.451	136	369608	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.304	164	273736	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.110	188	652821	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	775298	20.000	ng/u1	0.00
88) Perylene-d12	24.821	264	960697m	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	19764	7.773	ng/uL	0.00
4) Pyridine-d5	3.628	84	145752	20.054	ng/u1	0.00
7) Phenol-d5	6.875	99	159711	19.604	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.034	67	95845	19.105	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.234	132	124305	21.088	ng/u1	-0.01
15) 4-Methylphenol-d8	8.387	113	126011	19.519	ng/u1	-0.02
21) Nitrobenzene-d5	8.828	128	57075	20.632	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.540	143	67809	21.618	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.081	165	141928	20.836	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.581	131	155759	19.164	ng/u1	-0.02
46) Dimethylphthalate-d6	13.716	166	417862	19.748	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	461016	20.578	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	67545	18.662	ng/u1	0.00
60) Fluorene-d10	15.316	176	363415	19.416	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.445	200	78066	19.261	ng/u1	0.00
73) Anthracene-d10	17.210	188	615645	20.201	ng/u1	0.00
81) Pyrene-d10	19.580	212	783549	19.507	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.592	264	1025079	20.287	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	21439	7.784	ng/uL	98
5) Pyridine	3.646	79	145877	19.756	ng/u1	98
6) Benzaldehyde	6.846	77	113147	24.551	ng/u1	99
8) Phenol	6.905	94	166809	19.620	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.122	93	126224	19.397	ng/u1	99
12) 2-Chlorophenol	7.269	128	125203	20.489	ng/u1	99
13) 2-Methylphenol	8.134	108	120372	19.521	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.205	45	115688	19.164	ng/u1	98
16) Acetophenone	8.499	105	205323	19.120	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.487	70	107149	19.247	ng/u1	99
18) 4-Methylphenol	8.452	108	128905	19.170	ng/u1	98
19) Hexachloroethane	8.752	117	59532	20.638	ng/u1	88
22) Nitrobenzene	8.869	77	169749	20.070	ng/u1	98
23) Isophorone	9.393	82	290159	19.806	ng/u1	97
25) 2-Nitrophenol	9.569	139	72456	21.589	ng/u1	96
26) 2,4-Dimethylphenol	9.634	107	151721	19.956	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.863	93	163212	19.327	ng/u1	98
29) 2,4-Dichlorophenol	10.104	162	139853	20.665	ng/u1	97
30) Naphthalene	10.499	128	393424	20.230	ng/u1	99
32) 4-Chloroaniline	10.604	127	157382	19.552	ng/u1	100
33) Hexachlorobutadiene	10.787	225	121501	20.221	ng/u1	98
34) Caprolactam	11.381	113	39036m	19.015	ng/u1	
35) 4-Chloro-3-methylphenol	11.734	107	143824	19.644	ng/u1	99
36) 2-Methylnaphthalene	12.104	142	283880	19.642	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.334	142	286368	19.647	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.481	216	213146	21.002	ng/ul#	95
40) Hexachlorocyclopentadiene	12.463	237	125550	19.667	ng/ul	97
41) 2,4,6-Trichlorophenol	12.728	196	127928	21.086	ng/ul	98
42) 2,4,5-Trichlorophenol	12.798	196	139537	21.239	ng/ul	98
43) 1,1'-Biphenyl	13.134	154	395097	20.184	ng/ul	98
44) 2-Chloronaphthalene	13.169	162	322221	20.445	ng/ul	99
45) 2-Nitroaniline	13.381	65	92623	20.324	ng/ul	95
47) Dimethylphthalate	13.769	163	420913	19.805	ng/ul	100
48) 2,6-Dinitrotoluene	13.875	165	83161	20.411	ng/ul	98
50) Acenaphthylene	14.028	152	468142	20.038	ng/ul	99
51) 3-Nitroaniline	14.210	138	74276	20.023	ng/ul	96
52) Acenaphthene	14.369	153	331939	19.554	ng/ul	98
53) 2,4-Dinitrophenol	14.428	184	46034	16.605	ng/ul	93
55) 4-Nitrophenol	14.534	109	80234	19.594	ng/ul	95
56) Dibenzofuran	14.710	168	501721	19.880	ng/ul	99
57) 2,4-Dinitrotoluene	14.675	165	124661	19.854	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.939	232	126905	20.067	ng/ul	99
59) Diethylphthalate	15.145	149	406741	19.338	ng/ul	99
61) Fluorene	15.369	166	401189	19.115	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.363	204	232250	19.220	ng/ul	97
63) 4-Nitroaniline	15.387	138	80727	21.382	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.463	198	85495	19.375	ng/ul	99
67) N-Nitrosodiphenylamine	15.581	169	352772	20.517	ng/ul	99
68) 4-Bromophenyl-phenylether	16.281	248	162851	20.773	ng/ul	96
69) Hexachlorobenzene	16.392	284	198596	20.863	ng/ul	97
70) Atrazine	16.563	200	153003	19.948	ng/ul	97
71) Pentachlorophenol	16.751	266	125261	19.723	ng/ul	99
72) Phenanthrene	17.151	178	680117	19.870	ng/ul	99
74) Anthracene	17.245	178	695836	19.977	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.098	216	212557	21.698	ng/uL	99
76) Pentachlorobenzene	14.622	250	222400	20.644	ng/uL	99
77) Carbazole	17.528	167	606063	19.742	ng/ul	99
78) Di-n-butylphthalate	18.110	149	675458	19.084	ng/ul	100
80) Fluoranthene	19.227	202	899176	19.586	ng/ul	99
82) Pyrene	19.610	202	959944	19.426	ng/ul	96
83) Butylbenzylphthalate	20.563	149	332033	19.280	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.439	252	376738	21.223	ng/ul	99
85) Benzo(a)anthracene	21.516	228	1064626	19.926	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.463	149	476932	18.875	ng/ul#	99
87) Chrysene	21.586	228	990355	19.750	ng/ul	99
89) Di-n-octyl phthalate	22.704	149	841913	17.740	ng/ul	100
90) Benzo(b)fluoranthene	23.786	252	1183431	19.844	ng/ul	99
91) Benzo(k)fluoranthene	23.851	252	1143340	19.236	ng/ul	99
93) Benzo(a)pyrene	24.662	252	1089273	19.822	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.533	276	1451494m	20.258	ng/ul	
95) Dibenzo(a,h)anthracene	28.598	278	1160172	20.100	ng/ul	98
96) Benzo(g,h,i)perylene	29.668	276	1125090m	20.237	ng/ul	

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

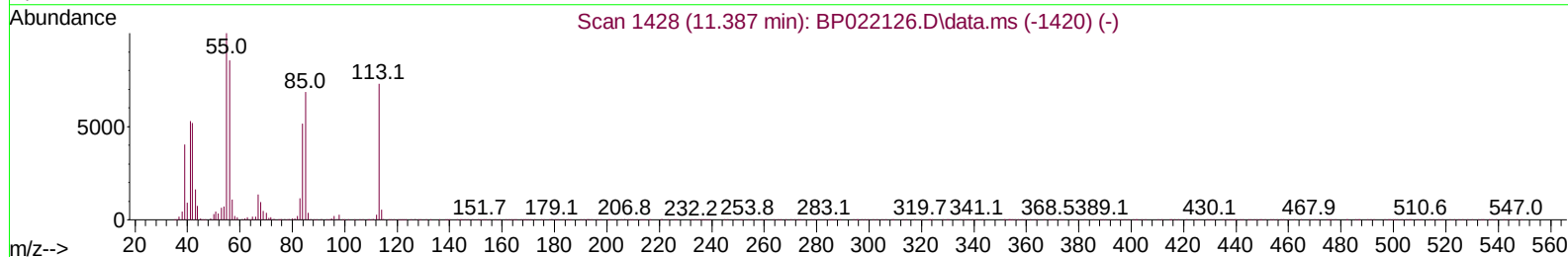
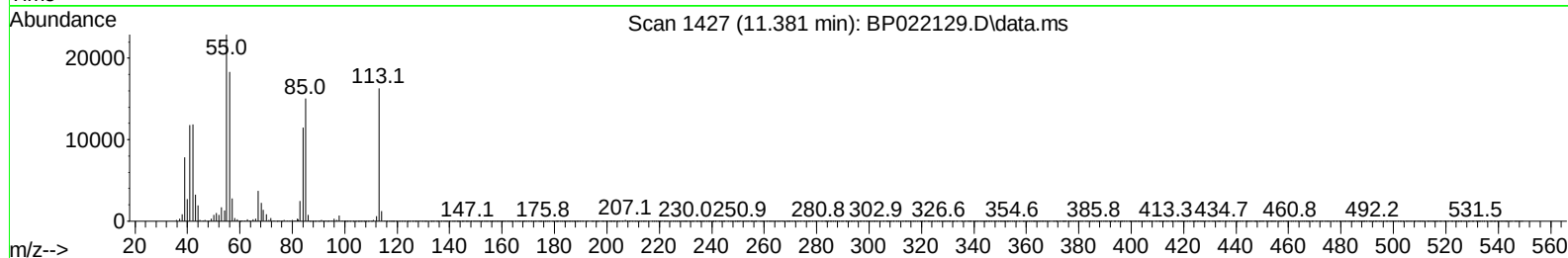
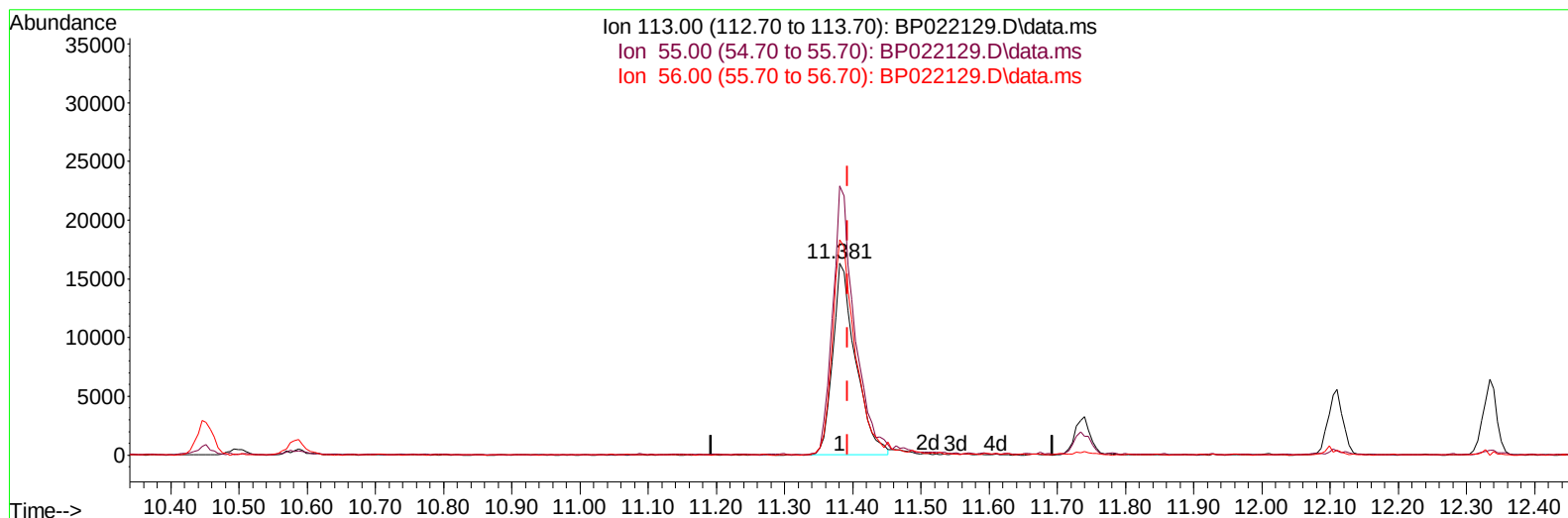
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(34) Caprolactam

11.381min (-0.012) 18.48 ng/ul

response 37933

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	136.10	140.41
56.00	127.30	112.30
0.00	0.00	0.00

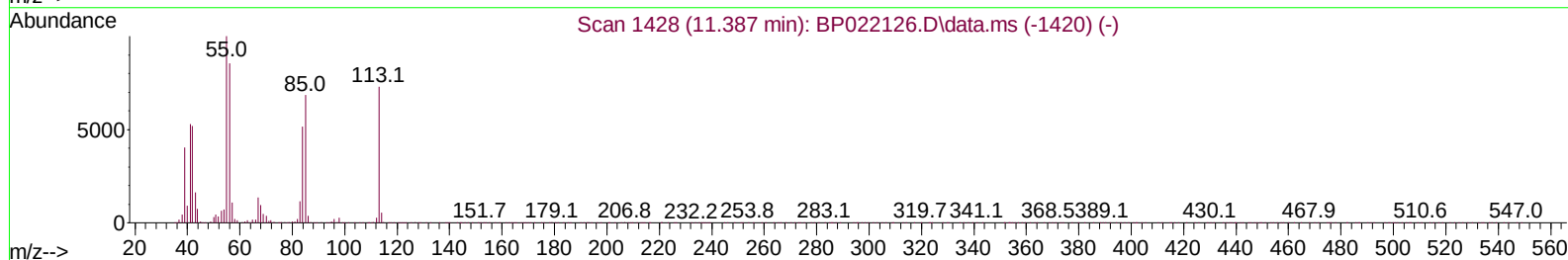
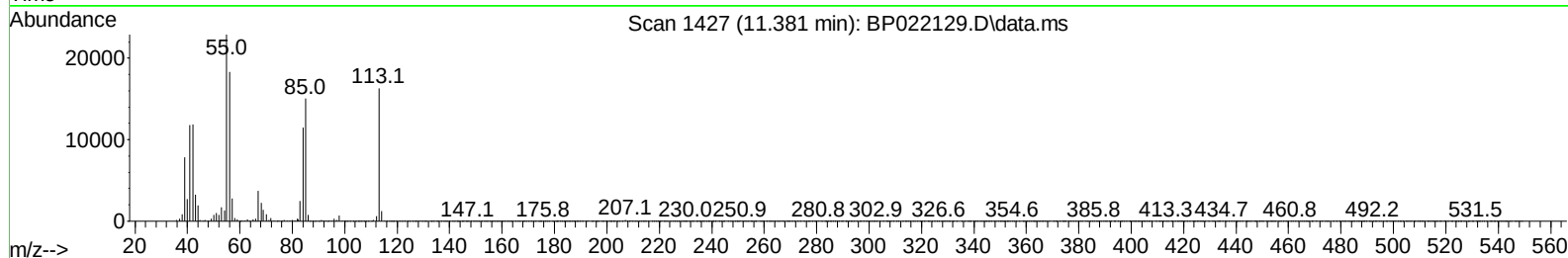
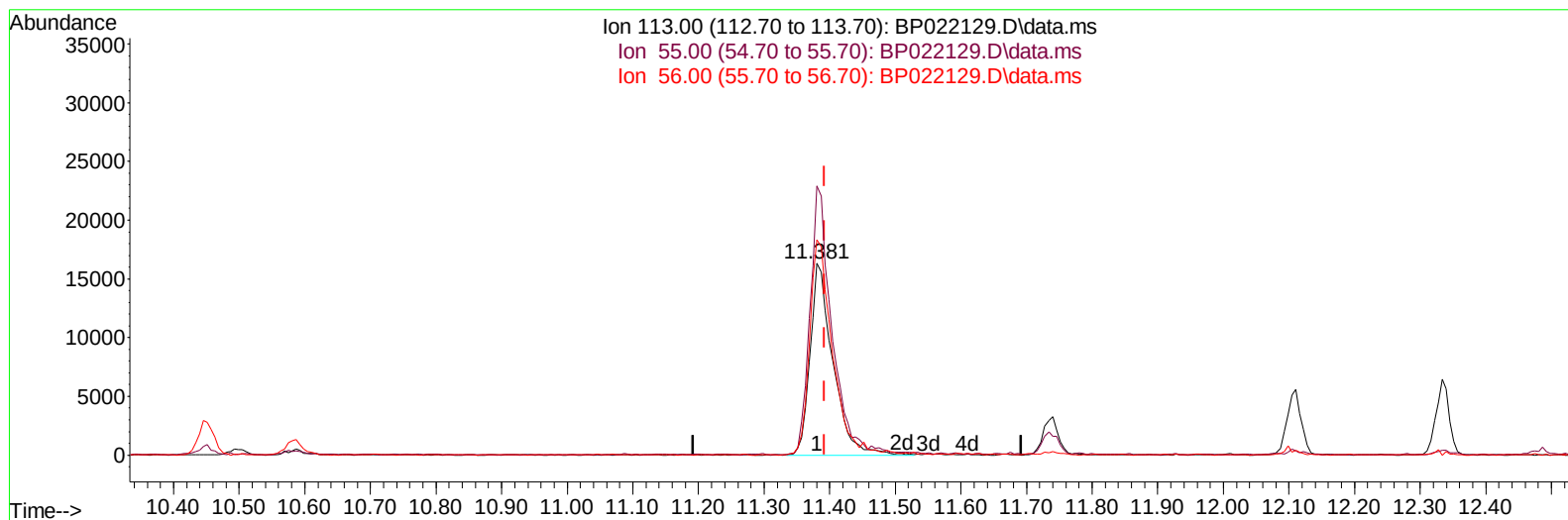
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TIC: BP022129.D\data.ms

(34) Caprolactam

11.381min (-0.012) 19.01 ng/ul m

response 39036

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	136.10	140.41
56.00	127.30	112.30
0.00	0.00	0.00

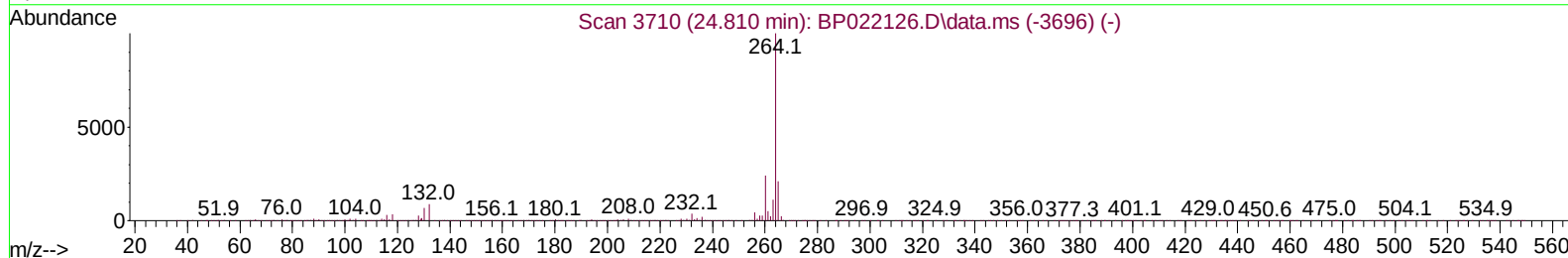
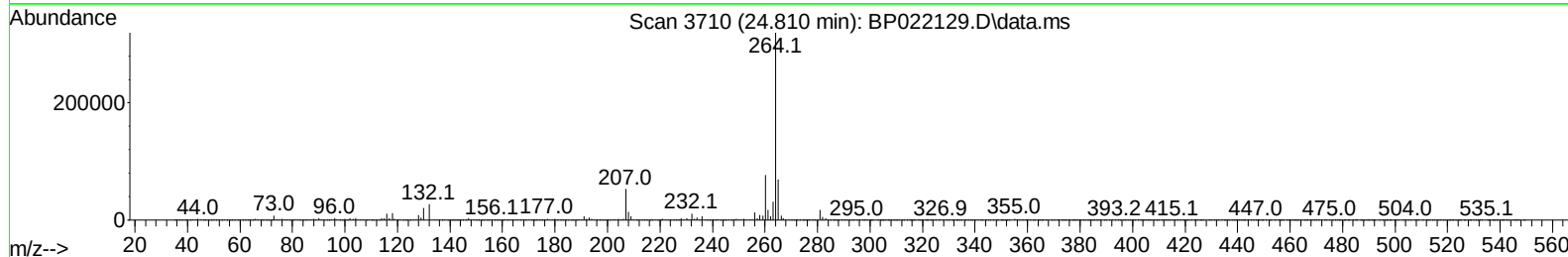
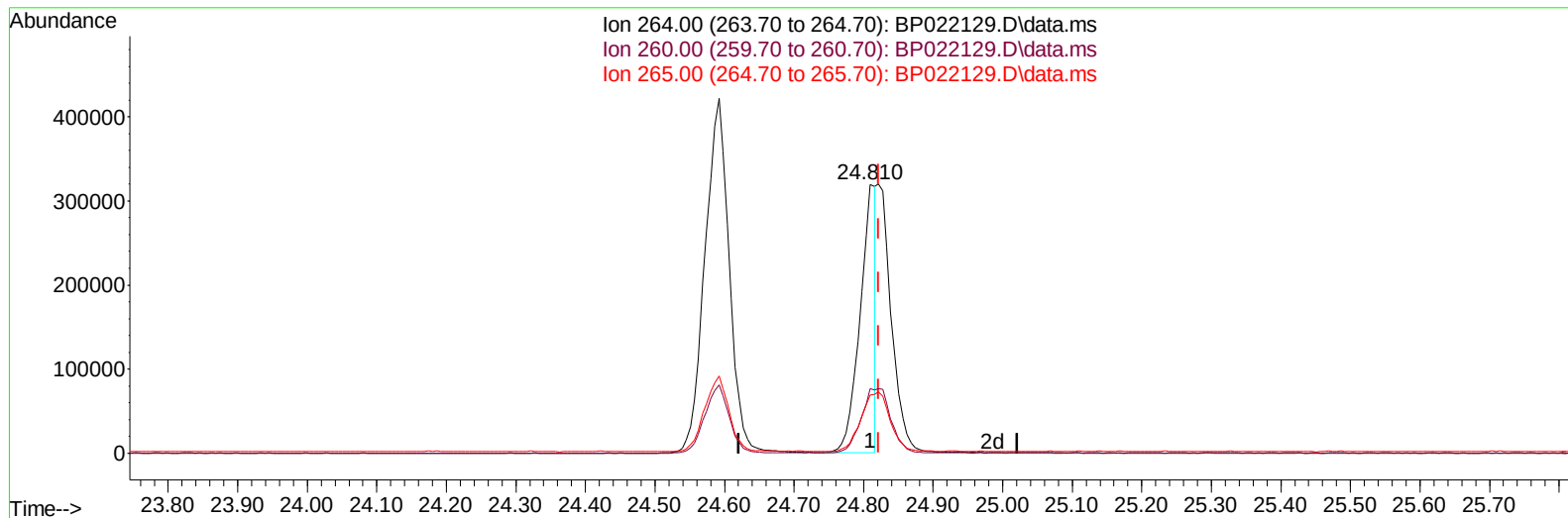
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(88) Perylene-d12 (I)

24.810min (-0.012) 20.00 ng/u1

response 491014

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.60	23.95
265.00	21.60	21.60
0.00	0.00	0.00

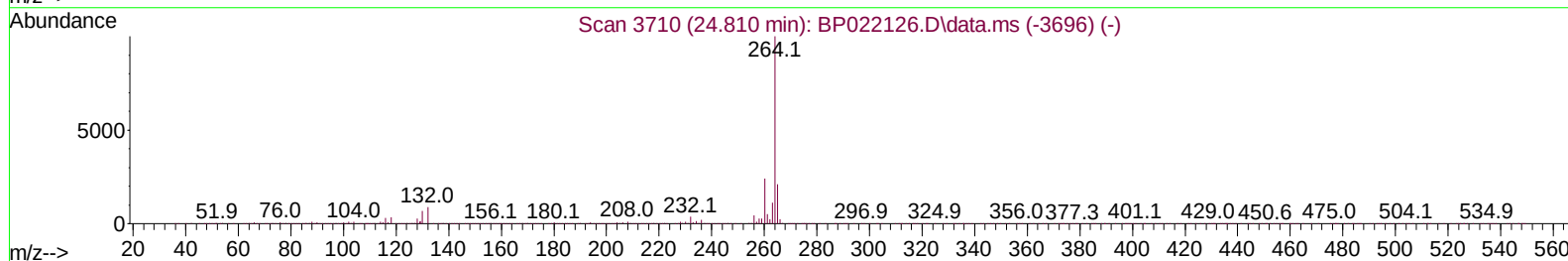
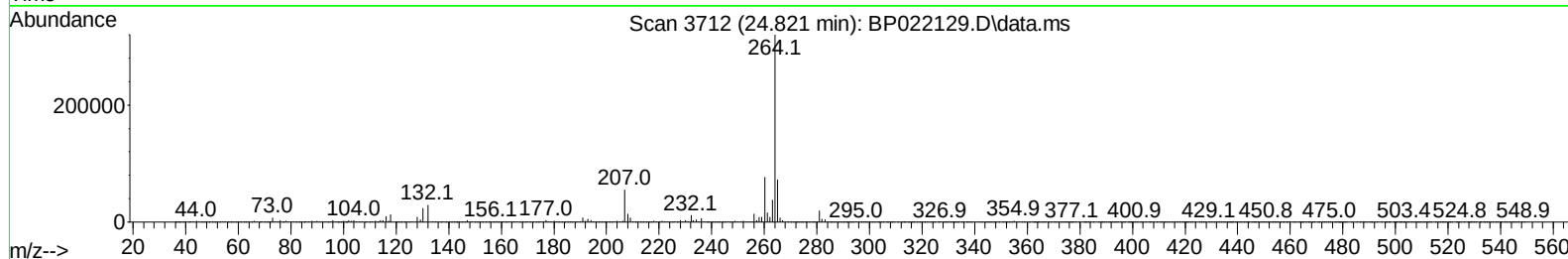
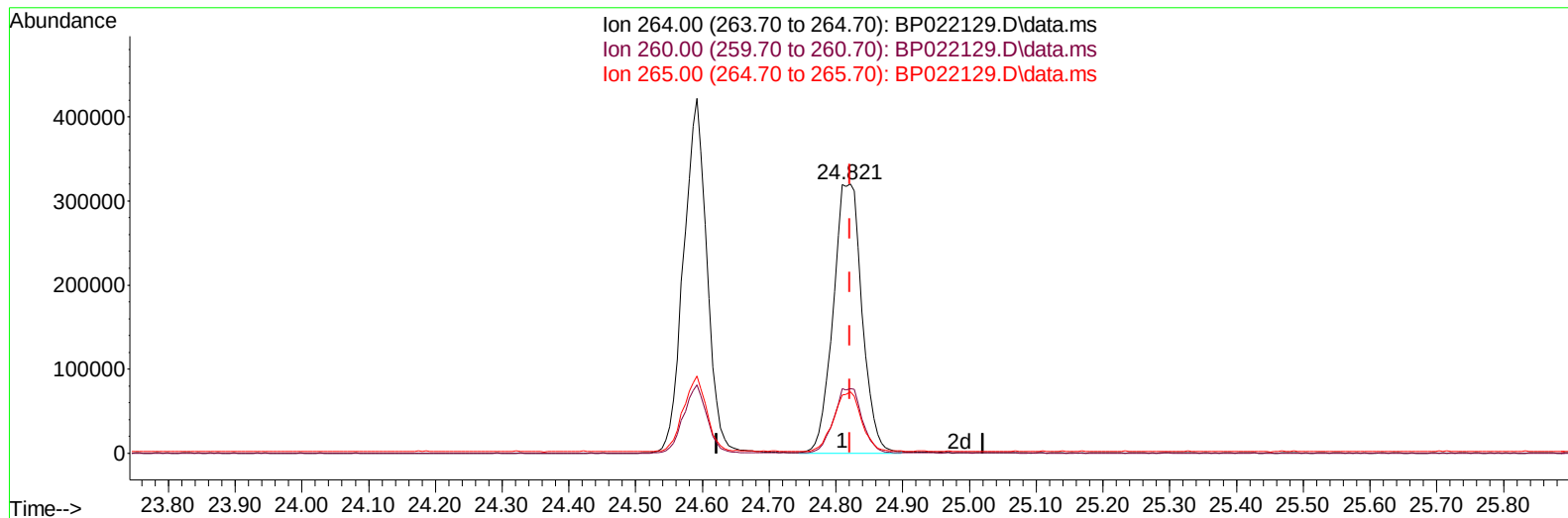
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(88) Perylene-d12 (I)

24.821min (+ 0.000) 20.00 ng/ul m

response 960697

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.60	23.92
265.00	21.60	22.66
0.00	0.00	0.00

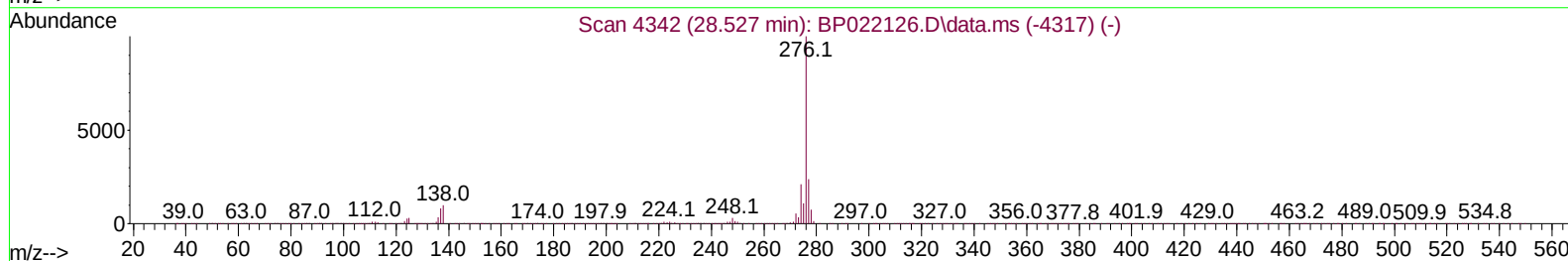
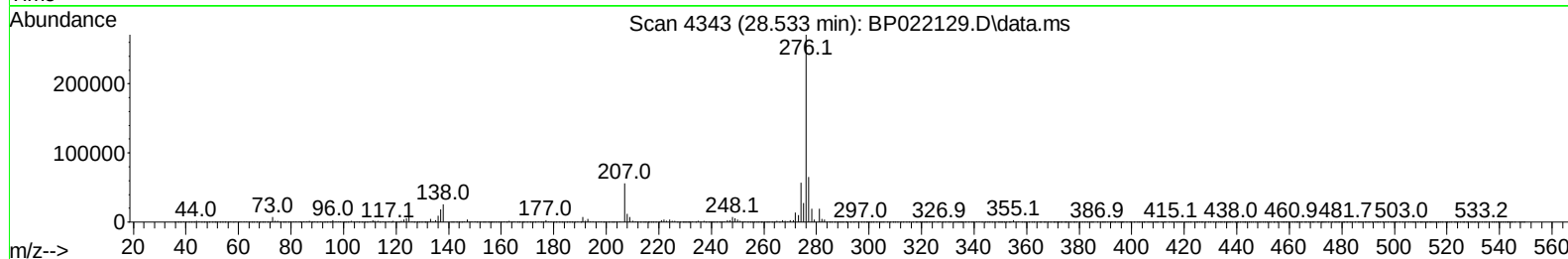
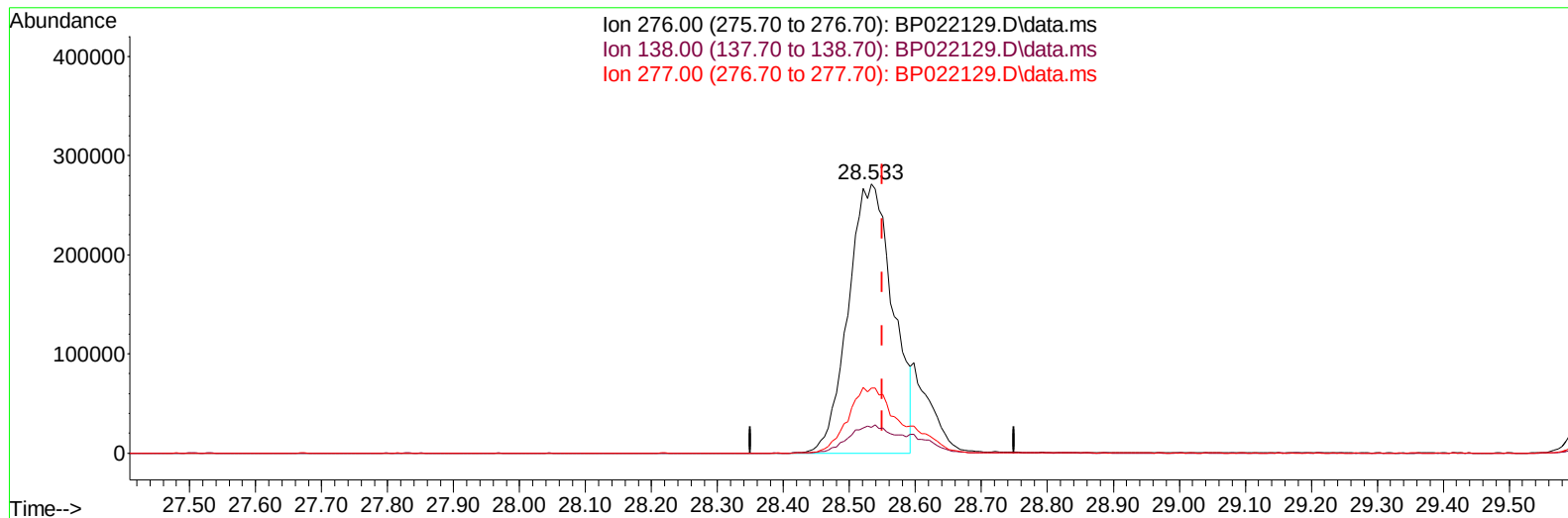
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(94) Indeno(1,2,3-cd)pyrene

28.533min (-0.018) 17.76 ng/u1

response 1272401

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.50	9.57
277.00	24.20	24.21
0.00	0.00	0.00

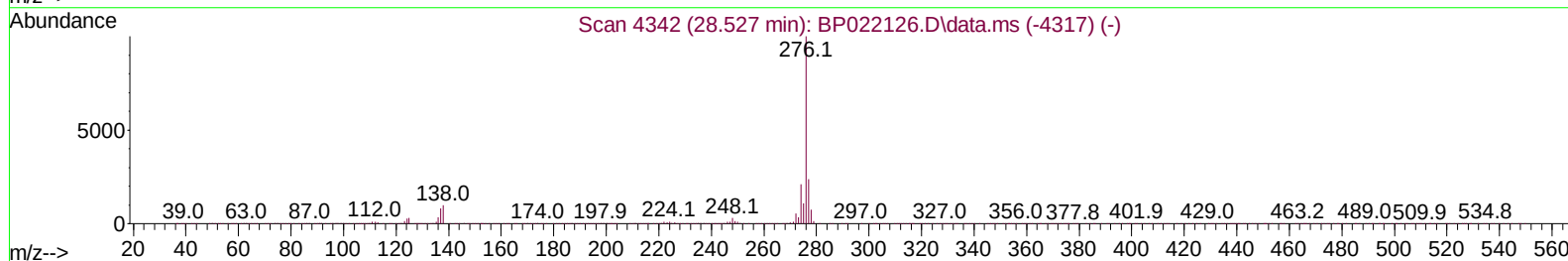
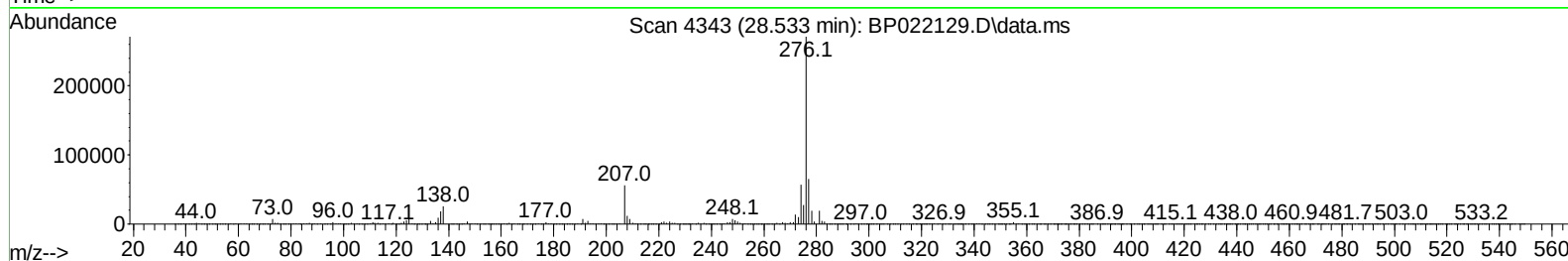
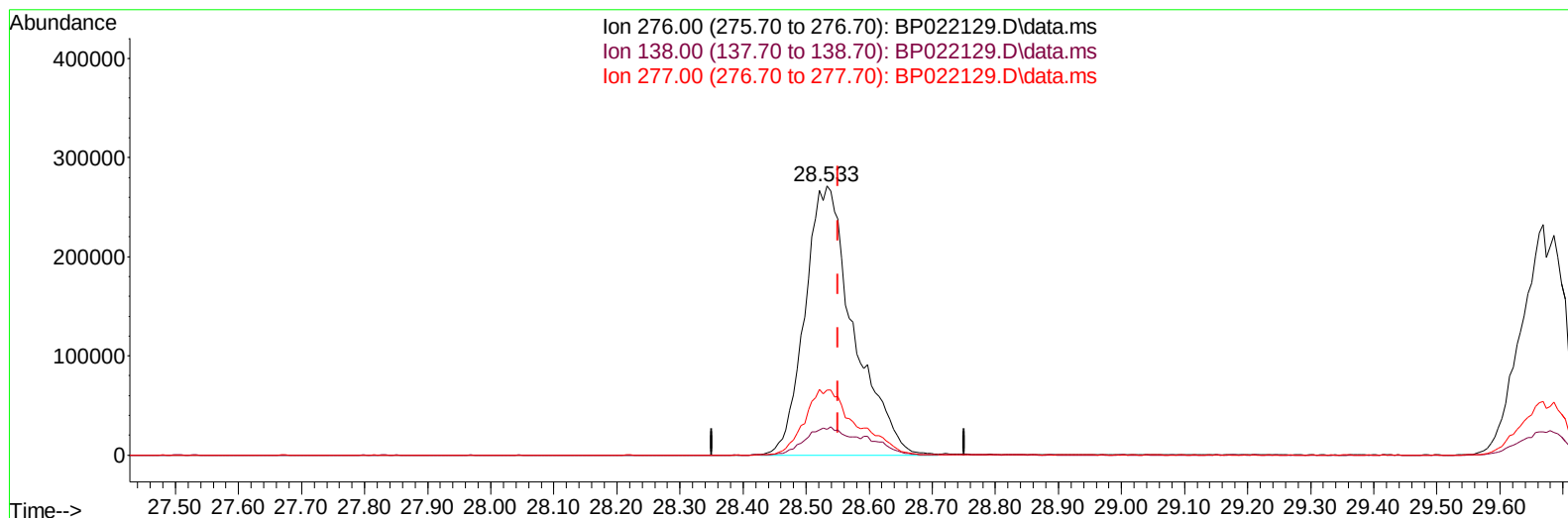
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(94) Indeno(1,2,3-cd)pyrene

28.533min (-0.018) 20.26 ng/ul m

response 1451494

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.50	9.57
277.00	24.20	24.21
0.00	0.00	0.00

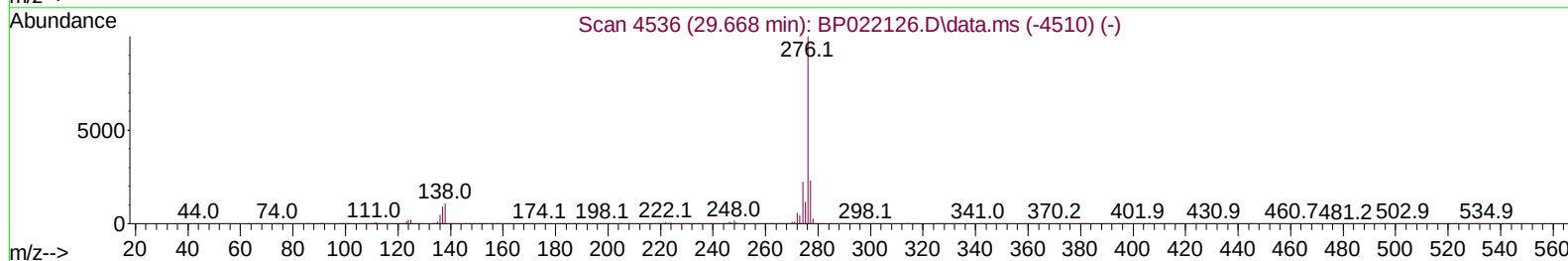
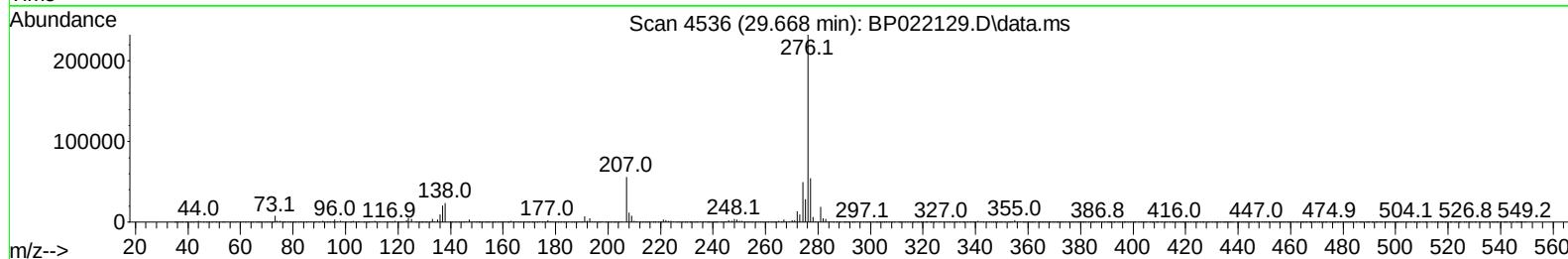
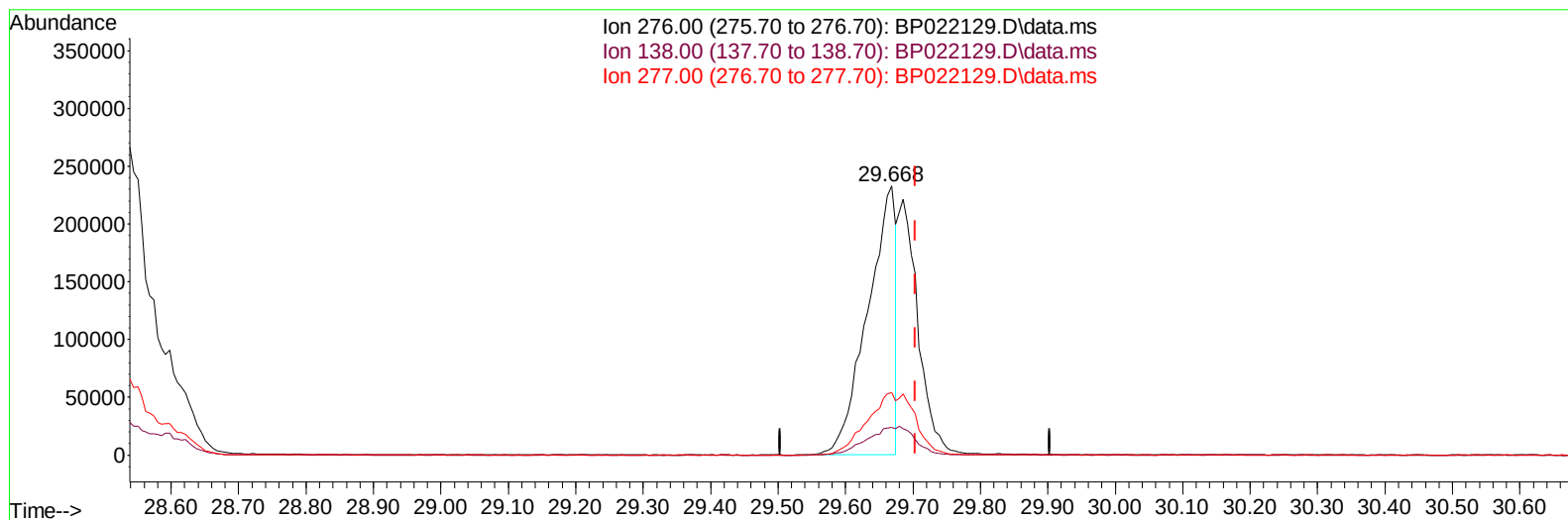
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(96) Benzo(g,h,i)perylene

29.668min (-0.035) 12.03 ng/u1

response 669092

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.30	10.19
277.00	23.90	23.30
0.00	0.00	0.00

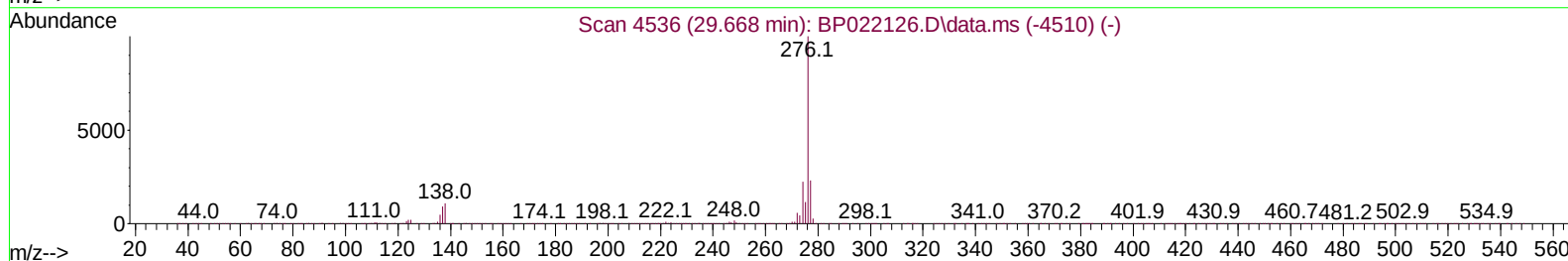
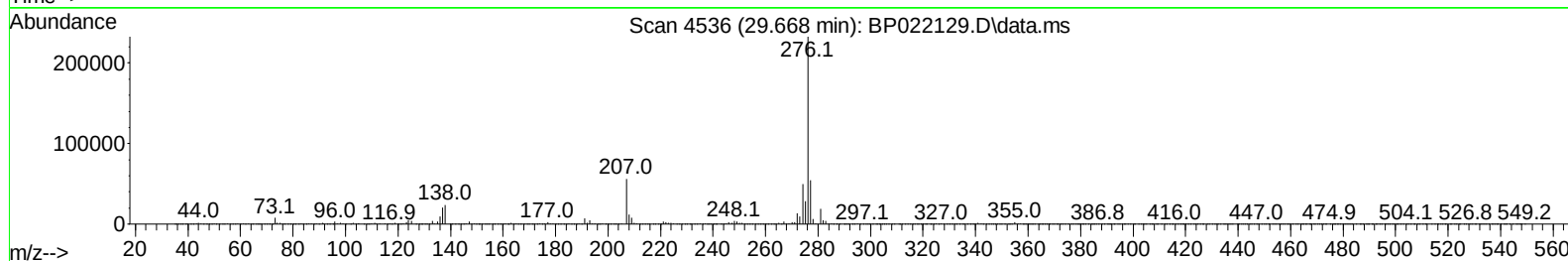
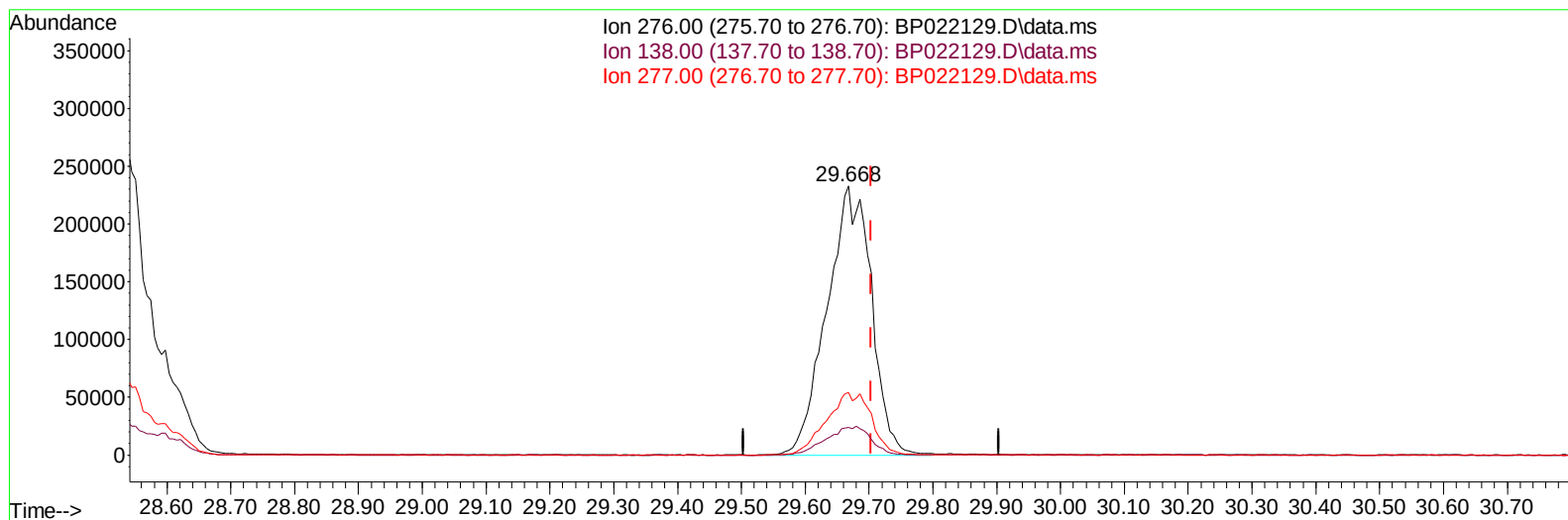
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Data File : BP022129.D
Acq On : 01 Oct 2024 10:26
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTD020779

Quant Time: Oct 01 23:17:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 24 15:23:13 2024
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Yogesh Patel 10/02/2024
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022129.D\data.ms

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

29.668min (-0.035) 20.24 ng/ul m

response 1125090

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.30	10.19
277.00	23.90	23.30
0.00	0.00	0.00

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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 24 15:23:13 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	99596	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.451	136	369608	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.304	164	273736	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.110	188	652821	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	775298	20.000	ng/ul	0.00
88) Perylene-d12	24.821	264	960697m	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	19764	7.773	ng/uL	0.00
4) Pyridine-d5	3.628	84	145752	20.054	ng/ul	0.00
7) Phenol-d5	6.875	99	159711	19.604	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	7.034	67	95845	19.105	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.234	132	124305	21.088	ng/ul	-0.01
15) 4-Methylphenol-d8	8.387	113	126011	19.519	ng/ul	-0.02
21) Nitrobenzene-d5	8.828	128	57075	20.632	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.540	143	67809	21.618	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.081	165	141928	20.836	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.581	131	155759	19.164	ng/ul	-0.02
46) Dimethylphthalate-d6	13.716	166	417862	19.748	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160	461016	20.578	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143	67545	18.662	ng/ul	0.00
60) Fluorene-d10	15.316	176	363415	19.416	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.445	200	78066	19.261	ng/ul	0.00
73) Anthracene-d10	17.210	188	615645	20.201	ng/ul	0.00
81) Pyrene-d10	19.580	212	783549	19.507	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.592	264	1025079	20.287	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	21439	7.784	ng/uL	98
5) Pyridine	3.646	79	145877	19.756	ng/ul	98
6) Benzaldehyde	6.846	77	113147	24.551	ng/ul	99
8) Phenol	6.905	94	166809	19.620	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.122	93	126224	19.397	ng/ul	99
12) 2-Chlorophenol	7.269	128	125203	20.489	ng/ul	99
13) 2-Methylphenol	8.134	108	120372	19.521	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.205	45	115688	19.164	ng/ul	98
16) Acetophenone	8.499	105	205323	19.120	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.487	70	107149	19.247	ng/ul	99
18) 4-Methylphenol	8.452	108	128905	19.170	ng/ul	98
19) Hexachloroethane	8.752	117	59532	20.638	ng/ul	88
22) Nitrobenzene	8.869	77	169749	20.070	ng/ul	98
23) Isophorone	9.393	82	290159	19.806	ng/ul	97
25) 2-Nitrophenol	9.569	139	72456	21.589	ng/ul	96
26) 2,4-Dimethylphenol	9.634	107	151721	19.956	ng/ul	96
27) Bis(2-Chloroethoxy)met...	9.863	93	163212	19.327	ng/ul	98
29) 2,4-Dichlorophenol	10.104	162	139853	20.665	ng/ul	97
30) Naphthalene	10.499	128	393424	20.230	ng/ul	99
32) 4-Chloroaniline	10.604	127	157382	19.552	ng/ul	100
33) Hexachlorobutadiene	10.787	225	121501	20.221	ng/ul	98
34) Caprolactam	11.381	113	39036m	19.015	ng/ul	
35) 4-Chloro-3-methylphenol	11.734	107	143824	19.644	ng/ul	99

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Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 01 23:18:28 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092424.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Sep 24 15:23:13 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.104	142	283880	19.642	ng/ul	99
37) 1-Methylnaphthalene	12.334	142	286368	19.647	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.481	216	213146	21.002	ng/ul#	95
40) Hexachlorocyclopentadiene	12.463	237	125550	19.667	ng/ul	97
41) 2,4,6-Trichlorophenol	12.728	196	127928	21.086	ng/ul	98
42) 2,4,5-Trichlorophenol	12.798	196	139537	21.239	ng/ul	98
43) 1,1'-Biphenyl	13.134	154	395097	20.184	ng/ul	98
44) 2-Chloronaphthalene	13.169	162	322221	20.445	ng/ul	99
45) 2-Nitroaniline	13.381	65	92623	20.324	ng/ul	95
47) Dimethylphthalate	13.769	163	420913	19.805	ng/ul	100
48) 2,6-Dinitrotoluene	13.875	165	83161	20.411	ng/ul	98
50) Acenaphthylene	14.028	152	468142	20.038	ng/ul	99
51) 3-Nitroaniline	14.210	138	74276	20.023	ng/ul	96
52) Acenaphthene	14.369	153	331939	19.554	ng/ul	98
53) 2,4-Dinitrophenol	14.428	184	46034	16.605	ng/ul	93
55) 4-Nitrophenol	14.534	109	80234	19.594	ng/ul	95
56) Dibenzofuran	14.710	168	501721	19.880	ng/ul	99
57) 2,4-Dinitrotoluene	14.675	165	124661	19.854	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.939	232	126905	20.067	ng/ul	99
59) Diethylphthalate	15.145	149	406741	19.338	ng/ul	99
61) Fluorene	15.369	166	401189	19.115	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.363	204	232250	19.220	ng/ul	97
63) 4-Nitroaniline	15.387	138	80727	21.382	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.463	198	85495	19.375	ng/ul	99
67) N-Nitrosodiphenylamine	15.581	169	352772	20.517	ng/ul	99
68) 4-Bromophenyl-phenylether	16.281	248	162851	20.773	ng/ul	96
69) Hexachlorobenzene	16.392	284	198596	20.863	ng/ul	97
70) Atrazine	16.563	200	153003	19.948	ng/ul	97
71) Pentachlorophenol	16.751	266	125261	19.723	ng/ul	99
72) Phenanthrene	17.151	178	680117	19.870	ng/ul	99
74) Anthracene	17.245	178	695836	19.977	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.098	216	212557	21.698	ng/uL	99
76) Pentachlorobenzene	14.622	250	222400	20.644	ng/uL	99
77) Carbazole	17.528	167	606063	19.742	ng/ul	99
78) Di-n-butylphthalate	18.110	149	675458	19.084	ng/ul	100
80) Fluoranthene	19.227	202	899176	19.586	ng/ul	99
82) Pyrene	19.610	202	959944	19.426	ng/ul	96
83) Butylbenzylphthalate	20.563	149	332033	19.280	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.439	252	376738	21.223	ng/ul	99
85) Benzo(a)anthracene	21.516	228	1064626	19.926	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.463	149	476932	18.875	ng/ul#	99
87) Chrysene	21.586	228	990355	19.750	ng/ul	99
89) Di-n-octyl phthalate	22.704	149	841913	17.740	ng/ul	100
90) Benzo(b)fluoranthene	23.786	252	1183431	19.844	ng/ul	99
91) Benzo(k)fluoranthene	23.851	252	1143340	19.236	ng/ul	99
93) Benzo(a)pyrene	24.662	252	1089273	19.822	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.533	276	1451494m	20.258	ng/ul	
95) Dibenzo(a,h)anthracene	28.598	278	1160172	20.100	ng/ul	98
96) Benzo(g,h,i)perylene	29.668	276	1125090m	20.237	ng/ul	

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

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